



Kevin Mooney

Senior Project Manager
Global Operations - Environment, Health & Safety

General Electric Company
1 Plastics Ave.
Pittsfield, MA 01201

T (413) 553-6610
kevin.mooney@ge.com

Via Electronic Mail

September 28, 2023

Mr. Christopher Smith
EPA Project Manager
U.S. Environmental Protection Agency
New England Region
Five Post Office Square, Suite 100
Boston, MA 02109

**Re: GE-Pittsfield/Housatonic River Site
Rest of River (GECD850)
Pre-Design Investigation Summary Report for Reach 5A Sediment and Riverbanks**

Dear Mr. Smith:

In accordance with Section 4.2.3.2 of GE's approved *Final Revised Rest of River Statement of Work*, GE is submitting for EPA's review and approval a *Pre-Design Investigation Summary Report for Reach 5A Sediment and Riverbanks*, prepared for GE by Anchor QEA and AECOM.

Please let me know if you have any questions about this report.

Very truly yours,

Kevin G. Mooney
Senior Project Manager – Environmental Remediation

Enclosure

Cc: (via electronic mail)

Dean Tagliaferro, EPA
Anni Loughlin, EPA
Tim Conway, EPA
John Kilborn, EPA
Richard Fisher, EPA
Joshua Fontaine, EPA
Alexander Carli-Dorsey, EPA
Christopher Ferry, ASRC Federal
Thomas Czelusniak, HDR Inc.



SEMS Doc ID 677552

Scott Campbell, Taconic Ridge Environmental
Izabella Zapisek, Taconic Ridge Environmental
Michael Gorski, MassDEP
John Ziegler, MassDEP
Ben Guidi, MassDEP
Michelle Craddock, MassDEP
Jeffrey Mickelson, MassDEP
Mark Tisa, MassDFW
Jonathan Regosin, MassDFW
Betsy Harper, MA AG
Traci Iott, CT DEEP
Susan Peterson, CT DEEP
Graham Stevens, CT DEEP
Carol Papp, CT DEEP
Lori DiBella, CT AG
Molly Sperduto, USFWS
Mark Barash, US DOI
Ken Finkelstein, NOAA
James McGrath, City of Pittsfield
Andrew Cambi, City of Pittsfield
Michael Coakley, PEDAC
Melissa Provencher, BRPC
Christopher Ketchen, Town of Lenox
Town Administrator, Lee
Town Manager, Great Barrington
Town Administrator, Stockbridge
Town Administrator, Sheffield
Jim Wilusz, Tri Town Health Department
Andrew Silber, GE
Andrew Thomas, GE
Matthew Calacone, GE
Michael Werth, Anchor QEA
Dennis Lowry, AECOM
James Bieke, Sidley Austin
Public Information Repository at David M. Hunt Library in Falls Village, CT
GE Internal Repository



September 2023
Housatonic River – Rest of River



Pre-Design Investigation Summary Report for Reach 5A Sediment and Riverbanks

Prepared for General Electric Company
Pittsfield, Massachusetts

September 2023
Housatonic River – Rest of River

Pre-Design Investigation Summary Report for Reach 5A Sediment and Riverbanks

Prepared for
General Electric Company
1 Plastics Avenue
Pittsfield, Massachusetts 01201

Prepared by
Anchor QEA, LLC
290 Elwood Davis Road
Liverpool, New York 13088

In Conjunction with
AECOM
500 Enterprise Drive
Rocky Hill, Connecticut 06067

TABLE OF CONTENTS

1	Introduction	1
1.1	Background.....	1
1.2	Description of Reach 5A Based on Pre-PDI Information	1
1.3	Summary of Applicable Requirements	2
1.4	Definition of Riverbanks	4
1.5	Scope of Summary Report.....	4
1.6	Organization of Summary Report.....	5
2	Summary of Pre-Design Investigations	6
2.1	Field Surveys.....	6
2.1.1	Topographic and Bathymetric Surveys	6
2.1.2	Bank Erodibility Assessment.....	7
2.1.3	Water Surface Elevation and Current Velocity Survey	12
2.1.4	Shoreline Structures and Utility Surveys.....	16
2.2	Riverbank Soil PCB Characterization.....	16
2.3	Sediment PCB Characterization	18
2.3.1	Sample Collection.....	18
2.3.2	Data Validation.....	23
2.3.3	Results.....	23
2.4	Porewater PCB Sampling.....	23
2.4.1	Bulk Sediment Sampling.....	23
2.4.2	Porewater Characterization	24
2.5	Groundwater Seepage Investigations	28
2.5.1	Continuous Recording of Hydraulic Head and Vertical Hydraulic Conductivity Testing	28
2.5.2	Seepage Meter Measurements	30
2.6	Geotechnical Characterization	32
2.6.1	Vane Shear Testing	32
2.6.2	Laboratory Testing of Soil/Sediment Index Properties.....	33
2.6.3	Seepage-Induced Consolidation Testing	35
3	Concurrent Submittals and Upcoming Activities	36
4	References	37

TABLES

Table 2-1	BEHI Score/Rating Conversion
Table 2-2	Summary of BEHI and NBS Assessment
Table 2-3	Dates of ADCP Sampling Events and Corresponding Flows at Nearby USGS Gauges
Table 2-4	Mean Discharge and Water Surface Elevation Measurements
Table 2-5	Known Structures and Utilities along Reach 5A of the Housatonic River
Table 2-6	Summary of Main Channel Sediment Sample Counts
Table 2-7	Summary of Backwater Sediment Sample Counts
Table 2-8	Summary of Other Waterbodies Sediment Sample Counts
Table 2-9	Bulk Sediment Total PCB Results, Porewater PCB Sampling Program
Table 2-10	Kv Core Collection and Piezometer Installation Summary
Table 2-11	Paired Piezometer Download Summary
Table 2-12	Summary of Seepage Meter Measurements
Table 2-13	Vane Shear Test Summary
Table 2-14	Summary of Geotechnical Index Parameter Testing Results
Table 2-15	Seepage-Induced Consolidation Testing Summary

FIGURES

Figure 1-1	Reach 5A Site Map
Figure 2-1	Topographic and Bathymetric Surveys
Figure 2-2	Riverbank Sections Based on Erodibility Field Assessment
Figure 2-3	Water Surface Elevation and Velocity Survey Locations
Figure 2-4	M9 Remote-Controlled Vehicle and Operations
Figure 2-5	Velocity Profile at Site 2 During Low-Flow Conditions
Figure 2-6	Water Level Logger at New Lenox Road Bridge
Figure 2-7	New Lenox Road Bridge Logger Hydrograph
Figure 2-8	New Lenox Road and Holmes Road Logger Comparison
Figure 2-9	Observed Shoreline Structures and Utilities along the River in Reach 5A
Figure 2-10	PDI Riverbank Soil PCB Results
Figure 2-11	In-River PDI Sediment PCB results
Figure 2-12	Backwater PDI Sediment PCB Results
Figure 2-13	Other Waterbodies PDI Sediment PCB Results
Figure 2-14	Sediment Porewater Locations
Figure 2-15	Piezometer Locations

Figure 2-16	Piezometer Pressure Record
Figure 2-17	Groundwater Seepage Meter Locations
Figure 2-18	Vane Shear Test Locations in Backwater Areas

APPENDICES

Appendix A	Erodibility/BEHI/NBS Assessment and BANCS Study
Appendix B	RiverSurveyor Results
Appendix C	Sample Collection Log Information (Riverbanks/Sediment/Supplemental)
	Table C-1: Riverbank Sampling Field Data
	Table C-2: Main Channel Sediment Sampling Field Data
	Table C-3: Supplemental Main Channel Sediment Sampling Field Data
	Table C-4: Backwater Sediment Sampling Field Data
	Table C-5: Other Waterbody Sediment Sampling Field Data
	Table C-6: Porewater/Bulk Sediment Sampling Field Data
Appendix D	Data Validation Reports
Appendix E	Analytical Data Summary Tables
	Table E-1: Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results
	Table E-2: Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results
	Table E-3: Summary of 2022 and 2023 PDI River Sediment Sampling Results
	Table E-4: Summary of 2023 PDI River Sediment Supplemental Sampling Results
	Table E-5: Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results
	Table E-6: Summary of 2022 PDI Other Waterbody Sediment Sampling Results
	Table E-7: Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results
	Table E-8: Summary of 2023 PDI River Sediment TCLP Results
	Table E-9: Summary of 2022 PDI Porewater Sampling Results via SPME
Appendix F	Vertical Hydraulic Conductivity
Appendix G	Seepage-Induced Consolidation Testing Results

ABBREVIATIONS

μL	microliter
μm	micrometer
ADCP	acoustic Doppler current profiler
ASTM	ASTM International
BANCS	Bank Assessment for Non-Point Source Consequences of Sediment
BEHI	Bank Erosion Hazard Index
CD	Consent Decree for the GE-Pittsfield/Housatonic River Site
cfs	cubic feet per second
cm	centimeter
DEM	digital elevation model
DGPS	differential global positions system
DOC	dissolved organic carbon
EGL	Environmental Geochemical Laboratory
EPA	U.S. Environmental Protection Agency
FSP/QAPP	Field Sampling Plan/Quality Assurance Project Plan
GE	General Electric Company
GPS	global positioning system
HPLC	high-performance liquid chromatography
Initial Sediment/Bank PDI Work Plan	<i>Pre-Design Investigation Work Plan for Reach 5A Sediment and Riverbanks</i>
kg	kilogram
kPa	kilopascal
L	liter
LiDAR	Light Detection and Ranging
mg	milligram
NAVD88	North American Vertical Datum of 1988
NBS	Near-Bank Stress
ng	nanogram
PCB	polychlorinated biphenyl
pcf	pound per cubic foot
PDI	pre-design investigation
PDI Summary Report	<i>Pre-Design Investigation Summary Report for Reach 5A Sediment and Riverbanks</i>
PDMS	polydimethylsiloxane
pg	picogram
PRC	Performance Reference Compound

PSA	Primary Study Area
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RD/RA	remedial design/remedial action
Revised Final Permit	Revised Final Resource Conservation and Recovery Act Permit Modification
Revised Sediment/Bank PDI Work Plan	<i>Revised Pre-Design Investigation Work Plan for Reach 5A Sediment and Riverbanks</i>
ROR	Rest of River
RTK	real-time kinematic
SGS Dayton	SGS North America Inc. located in Dayton, New Jersey
SIC	seepage-induced consolidation
SOP	standard operating procedure
SPME	solid-phase microextraction
TCLP	toxicity characteristic leaching procedure
TOC	total organic carbon
USGS	U.S. Geological Survey
VMT	Velocity Mapping Toolbox
VST	vane shear test
WARSSS	<i>Watershed Assessment of River Stability and Sediment Supply</i>
WWTP	Wastewater Treatment Plant

1 Introduction

1.1 Background

Pursuant to the Revised Final Resource Conservation and Recovery Act (RCRA) Permit Modification (Revised Final Permit), issued by the U.S. Environmental Protection Agency (EPA) to the General Electric Company (GE) on December 16, 2020, for the Rest of River (ROR) portion of the GE-Pittsfield/Housatonic River Site, GE submitted a *Pre-Design Investigation Work Plan for Reach 5A Sediment and Riverbanks* (Initial Sediment/Bank PDI Work Plan; Anchor QEA and AECOM 2021) on September 27, 2021. That work plan described GE's proposed pre-design investigation (PDI) field surveys and sampling and analysis program for sediment and riverbanks in Reach 5A, the uppermost reach of the ROR.

In a letter dated November 24, 2021, EPA conditionally approved sections of that work plan that contained time-critical, seasonal dependent work—specifically, sections relating to topographic and bathymetric surveys and sediment probing. GE then initiated some of those activities by conducting an aerial topographic survey in December 2021 and commencing additional topographic and bathymetric survey activities in late April 2022. In the meantime, EPA conditionally approved the remainder of the work plan in a letter dated March 17, 2022, requiring GE to submit a revision to that plan. On May 2, 2022, GE submitted the *Revised Pre-Design Investigation Work Plan for Reach 5A Sediment and Riverbanks* (Revised Sediment/Bank PDI Work Plan; Anchor QEA and AECOM 2022), which was conditionally approved by EPA on June 1, 2022.

Following EPA's conditional approval of the Revised Sediment/Bank PDI Work Plan, GE initiated the remaining PDI activities in August 2022 and completed most of those activities by July 2023. However, certain elements of the PDI have not been completed, as described herein. Nevertheless, GE has determined that the data collected to date are sufficient to proceed with preparation of a PDI summary report and the conceptual remedial design for Reach 5A. Accordingly, to expediate the design of the remediation for Reach 5A, GE has prepared this *Pre-Design Investigation Summary Report for Reach 5A Sediment and Riverbanks* (PDI Summary Report) and the *Conceptual Remedial Design/Remedial Action Work Plan for Reach 5A* (Conceptual RD/RA Work Plan), submitted concurrently with this report. As discussed further in this report, the remaining PDI activities and other supplemental data collection activities will be completed in time to be taken into account in the Final RD/RA Work Plan for Reach 5A.

1.2 Description of Reach 5A Based on Pre-PDI Information

Under the Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site (EPA and GE 2000), the ROR is defined as that portion of the Housatonic River and its backwaters and floodplain (excluding Actual/Potential Lawns as defined in the CD) located downstream of the confluence of the East and

West Branches of the Housatonic River (the Confluence) in Pittsfield, Massachusetts. Within Reaches 5 and 6, which constitute the portion of the ROR between the Confluence and Woods Pond Dam, also known as the Primary Study Area, the CD defines the ROR site boundary as the floodplain area extending laterally to the 1 milligram per kilogram (mg/kg) polychlorinated biphenyl (PCB) isopleth, which corresponds approximately to the 10-year floodplain.

Reach 5A (shown on Figure 1-1) comprises approximately the first five miles of the ROR, extending from the Confluence to the Pittsfield Wastewater Treatment Plant (WWTP). This section of the PDI Summary Report describes the characteristics of that reach based on information existing prior to the PDI. The river channel in this reach is free-flowing, contains numerous meanders, and has riverbanks that are subject to erosion in places. The width of the river in this reach ranges from approximately 40 to 120 feet, and bankfull water depth¹ ranges from approximately two to 10 feet (BBL and QEA 2003). Data collected historically indicate that the sediment bed in Reach 5A consists predominantly of coarse to fine sands with approximately 10% to 15% silt and clay (EPA 2005). Sediment deposit reconnaissance and probing activities conducted by GE in 1994 identified three general types of sediment deposits in Reach 5A: (1) channel deposits (deposits that typically occur in parts of the riverbed that are permanently inundated during low-to-moderate flow conditions); (2) aggrading bars (small islands or mounds that are typically composed of coarse-grained material and usually occur along the convex sides of channel curves); and (3) terrace deposits (deposits that occur in parts of the riverbed that are usually inundated during high-flow conditions, but are exposed during low to moderate flows). More than half (60%) of the sediment deposits identified in Reach 5A were characterized as terrace deposits, 30% were channel deposits, and 10% were aggrading bars. The overall probed thickness of sediment deposits within Reach 5A ranged from approximately 1.5 to 13 feet, with an average thickness of approximately 5.6 feet (BBL and QEA 2003).

The ROR contains numerous backwater areas, defined as quiescent areas adjacent and hydraulically connected to the main channel of the river. As described in GE's July 16, 2020, *Final Morphology and Accessibility Survey Report* (AECOM and Anchor QEA 2020), there are six areas defined as backwaters in Reach 5A based on field surveys conducted in 2018 and 2019, as shown on Figure 1-1.

1.3 Summary of Applicable Requirements

Section II.B.2.a of the Revised Final Permit sets forth the Performance Standards for remediation of riverbanks and sediment (including the river main channel and backwater areas) in Reach 5A.

For riverbanks, Section II.B.2.a.(1)(b) requires GE to remove contaminated soils from eroding riverbanks. A bank is to be considered "contaminated" if it contains a total PCB concentration equal

¹ The bankfull water depth is defined as the depth during conditions where the water surface elevation at a particular channel location is at the same level as the top of the riverbank but is confined to the river channel and has not spilled out into the floodplain.

to or greater than 5 mg/kg and “erodible” if the Bank Erosion Hazard Index (BEHI) and Near-Bank Stress (NBS) rating is classified in the Bank Assessment for Non-Point Source Consequences of Sediment (BANCS) model as “Moderate-High” or greater at the same transect location as the PCB samples. Further, Section II.B.2.a.(2)(b) states: “The location of contaminated eroding riverbanks shall be determined using a BANCS model calibrated for the Housatonic River and the collection of additional riverbank soil PCB data. A bank shall be considered contaminated if it contains ≥ 5 mg/kg total PCBs measured in the surficial 0 to 12 inches as the average of three 12-inch cores taken at the toe, midpoint, and top of the bank at a maximum spacing of every 25 feet of linear bank.” In addition, Section II.B.2.a.(2)(c) provides that for Reach 5A banks that do not require remediation based on the criteria described above, GE will evaluate the PCB data, erosion potential, adjacent floodplain removal (if any), constructability issues, and likelihood of future downstream transport at such concentrations should such banks erode and, based on these factors, consider supplemental riverbank removal and propose any further action consistent with its evaluation.

For sediments in the river channel, Section II.B.2.a.(1)(a) of the Revised Final Permit requires that riverbed sediment be removed throughout Reach 5A and that an engineered cap be placed over the entire riverbed. There are no specific sampling requirements in the Revised Final Permit to meet this Performance Standard; however, requirements related to characterization of sediment excavated from the ROR for the purposes of disposal are provided in Attachment E to the Revised Final Permit. That attachment states that only data collected pursuant to the Revised Final Permit can be used for disposal characterization for Reach 5A sediments. Specifically, the sampling needs to consist of collecting three vertical cores on transects (i.e., a core located to the left, center, and right of the channel at each transect) with transects spaced 250 linear feet apart along the river channel. Vertical sediment cores need to be segmented in 6-inch increments and need to be of sufficient depth to characterize sediment PCB concentrations throughout the full vertical interval to be removed prior to cap construction.

Section II.B.2.d of the Revised Final Permit sets forth the Performance Standards for backwaters. For backwaters located outside of Core Area 1 habitat,² surface (0- to 12-inch depth) and subsurface sediment need to be removed, including any surface sediment in areas with total PCB concentrations greater than or equal to 50 mg/kg, and replaced with a contiguous engineered cap (or backfill) to achieve a spatially weighted average total PCB concentration of 1 mg/kg. For backwaters within Core 1 habitat, surface sediment (0- to 12-inch depth) greater than or equal to 50 mg/kg need to be removed and replaced with an engineered cap; and in areas where surface sediment total PCB concentrations are between 1 and 50 mg/kg, an amendment (e.g., activated carbon or other comparable amendment[s]) needs to be placed to reduce bioavailability. Section II.B.2.d.(2)(a) states

² As defined in the Revised Final Permit, Core Area 1 habitat consists of areas identified by Massachusetts Division of Fisheries and Wildlife as areas with “the highest quality habitat for species that are most likely to be adversely impacted by PCB remediation activities,” most of which species are plants because they are not mobile (Attachment B to Revised Final Permit).

that, for backwater areas, GE “shall propose in a Pre-Design Work Plan...additional sampling for PCBs in sediment, and a method for averaging surface and subsurface PCB concentrations using a 50-foot grid, including proposed averaging areas and depth intervals.”

Section II.B.2.i.(1)(b) of the Revised Final Permit requires that, in both the river channel and the backwaters, installation of the engineered cap will not result in a loss of flood storage capacity and that there will be no increase in water surface elevations. The sediment removal depth will accommodate the cap thickness, including a mixing layer, a chemical isolation layer, an erosion protection layer, a geotechnical filter layer, a bioturbation layer, and a habitat layer, as required by Sections II.B.2.i.(1)(a) and (2) of the Revised Final Permit.

1.4 Definition of Riverbanks

As described in Section 1.3, the Revised Final Permit specifies different Performance Standards and sampling requirements for riverbanks and sediments in Reach 5A. As such, a critical element of the PDI was to define the extent of riverbanks (i.e., toe and top-of-bank) in this reach so the bank areas can be differentiated from the adjoining river channel areas as well as from the floodplain. For the purposes of determining riverbank soil sampling locations for this PDI, the Revised Sediment/Bank PDI Work Plan presented a definition based on the Massachusetts Wetlands Protection Act regulations (310 CMR 10.54(2)(c)), in which the toe of the bank is “the mean annual low flow level” and the top-of bank is “the first observable break in the slope or the mean annual flood level, whichever is lower.” In fact, for the Reach 5A PDI, the toe of bank was defined based on the water surface elevation observed during the April 2022 topographic survey, which was conducted during low flow conditions (with a river flow rate between 130 to 150 cfs); and the top-of-bank was the first observable break in slope based on the comprehensive topographic surveys conducted by GE in 2021/2022 (described in Section 2.1.1), but no higher than the elevation of the adjacent 1 mg/kg PCB isopleth (which corresponds approximately to the 10-year floodplain elevation).

1.5 Scope of Summary Report

The Revised Sediment/Bank PDI Work Plan stated that, following completion of all required PDI activities in Reach 5A, a PDI summary report would be prepared and submitted to EPA. As noted in Section 1.1 and discussed further in Section 2, while most of the required PDI activities in Reach 5A have been completed, a couple have not yet been completed—namely, the ongoing recording of hydraulic head at piezometers in Reach 5A and continuation of a riverbank erosion study by resurveying toe pins installed in study banks.³ As also noted, GE has determined that those

³ In addition, Phases 2 through 4 of the previously proposed geotechnical investigations, which were described in the Revised Sediment/Bank PDI Work Plan, were not and will not be conducted. Instead, GE is proposing to modify the previously proposed geotechnical sampling approach. The revised geotechnical investigation program is described in the Supplemental Data Collection Work Plan, which is Appendix I to the Conceptual RD/RA Work Plan.

remaining PDI activities are not necessary to prepare this PDI Summary Report or the Conceptual RD/RA Work Plan and that no other additional pre-design data are needed to do so. Accordingly, this PDI Summary Report presents the results of the PDI activities conducted through July 2023. In addition, the Conceptual RD/RA Work Plan has been prepared and is being submitted concurrently with this report. That work plan includes a *Supplemental Data Collection Work Plan* (as Appendix I) for the collection of additional data necessary for the final design, as discussed in Section 3. GE will proceed with the remaining PDI activities described in the Revised Sediment/Bank PDI Work Plan (as described above), and following EPA approval of the *Supplemental Data Collection Work Plan*, GE will conduct that supplemental data collection. As discussed in Section 3, the results of the remaining PDI activities and the supplemental data collection will be provided in a Supplemental Data Collection Report and will be taken into account in the Final RD/RA Work Plan for Reach 5A.

1.6 Organization of Summary Report

The remainder of this PDI Summary Report is organized as follows:

- Section 2 provides a summary of the PDI activities and results conducted through July 2023 in accordance with the Revised Sediment/Bank PDI Work Plan and subsequent coordination with EPA, including site survey activities and PCB soil and sediment sampling.
- Section 3 addresses concurrent submittals and upcoming activities. It notes that the Conceptual RD/RA Work Plan, including the *Supplemental Data Collection Work Plan*, are being submitted concurrently with this PDI Summary Report and will be followed by completion of the remaining PDI activities and the supplemental data collection, both of which will be taken into account in the Final RD/RA Work Plan for Reach 5A.
- Section 4 lists the references cited in this report.

2 Summary of Pre-Design Investigations

2.1 Field Surveys

2.1.1 *Topographic and Bathymetric Surveys*

The PDI included detailed topographic and bathymetric surveys of the river, riverbanks, and floodplain in Reach 5A to support the remedial design. All survey work was conducted by Spicer Group, Inc., between December 2021 and May 2022 using a combination of methods and technologies. These methods and technologies included the following:

- An aerial Light Detection and Ranging (LiDAR) survey was conducted in December 2021 (during low-flow, leaf-off conditions) over the entire length of Reaches 5 and 6 (i.e., from the Confluence to Woods Pond Dam), extending laterally to include the approximate 100-year floodplain and nearby infrastructure (e.g., roads). This survey was conducted for the entire length of the Primary Study Area (PSA), rather than being limited to Reach 5A, because topographic (as well as bathymetric) data were needed to develop the hydraulic model used as a design tool for Reach 5A, which extends from the Confluence to Woods Pond Dam, given that the latter serves as a hydraulic control point for much of the PSA. This aerial LiDAR survey also extended approximately one mile south of Woods Pond to include the non-floodplain property that will contain the Upland Disposal Facility. The LiDAR survey was completed using an Optec Galaxy T2000 sensor system mounted in a small airplane. Vertical and horizontal site control points were established prior to completion of the LiDAR survey. The horizontal and vertical accuracies of this survey were 0.25 and 0.16 foot, respectively.
- A focused survey of the riverbanks in Reaches 5A and 5B was conducted in late April 2022 using a mobile LiDAR system mounted to a shallow draft boat. This additional survey allowed for more precise mapping of riverbanks that would not have been captured by the aerial LiDAR survey (e.g., in areas where banks are nearly vertical or undercut by the river). This provided detailed information related to bank morphology and vegetation and included infrastructure observed from within the river. Vertical and horizontal site control points were established at several bank locations prior to completion of the LiDAR survey. Horizontal and vertical accuracies were 0.15 foot and 0.2 foot, respectively. In addition, during the course of this survey, a 360-degree camera that is part of the mobile LiDAR scanning unit was used to take 360-degree photographs every 10 feet along the river in all reaches.
- A bathymetric survey was conducted throughout the main channel and backwaters within Reaches 5 and 6 (for the same reason that the LiDAR survey covered the entire PSA). This survey was conducted in late April and early May 2022 when river flows were low enough to ensure safety and high enough to maximize boat access. Bathymetric data were collected from a boat using single-beam sonar wherever water depths were approximately three feet or

greater, as the sonar head must be at least one foot above the riverbed to obtain a reading. Collection of bathymetric data via single-beam sonar was conducted in the majority of Woods Pond, Reach 5C (river channel), and the lower portion of Reach 5B. The horizontal and vertical accuracy of the single-beam data is approximately 0.2 foot. Bathymetry data in the remaining portions of the PSA (i.e., all of Reach 5A, upper portion of Reach 5B, backwaters, and shallow portions of Woods Pond) were obtained using conventional survey methods. Specifically, within the main channel, bathymetric survey cross sections were completed every 100 feet along the centerline of the river and at every main channel sediment sampling transect spaced 250 feet apart along the centerline of the river (as described in Section 2.3.1). Additional bathymetric survey cross sections were completed upstream and downstream of hydraulic controls (such as riffles) and river crossing structures and at locations where there is significant flow into or out of the main channel, including, but not limited to, the intermittent side channels, Morewood Lake, West Pond, Sackett and Sykes Brooks, and backwaters. In areas outside the main channel (i.e., backwaters, and shallow portions of Woods Pond) bathymetric elevations were obtained on a grid pattern. Survey resolution of the manual surveys is consistent with that typically achieved with a real-time kinematic (RTK) global positioning system (GPS)—approximately 0.1 foot horizontal and vertical accuracy. There are some portions of Woods Pond where there are gaps in coverage or where additional measurements are needed to improve coverage density. Collection of additional survey data in Woods Pond will be performed as part of the PDI for Reach 6.

- Top-of-water elevations were measured on both the left and right bank at every other transect, regardless of whether single-beam sonar or a manual survey was employed in a specific area. Further, bridges, piers, and abutments were surveyed, including photographing and recording the type, size, and material of each such bridge or other structure.

Using the topography and bathymetry data sets described above, Spicer Group generated a contiguous digital elevation model (DEM) by processing those data in accordance with the DEM Generation from LiDAR Surveying SOP included as Appendix A to the Revised Sediment/Bank PDI Work Plan. The processed DEM and the raw LiDAR data (i.e., point cloud) were reviewed in profile, approximately every 15 feet along each bank, to identify the toe and top-of-bank along the length of Reach 5A. Figure 2-1a and 2-1b shows the DEM as a hillshade, along with the top-of-bank and toe of slope lines that were delineated for the purposes of specifying target riverbank soil sampling locations.

2.1.2 Bank Erodibility Assessment

In accordance with the Revised Sediment/Bank PDI Work Plan, a field assessment of BEHI and NBS was performed in 2022 to evaluate the erodibility of the riverbanks relative to the Performance Standards outlined in Section II.B.2a of the Revised Final Permit. In addition, a BANCS model will be developed and calibrated for Reach 5A following the methodology outlined in *Watershed Assessment*

of River Stability and Sediment Supply (WARSSS; Rosgen 2006). The field assessment of BEHI and NBS will be used to develop the BANCS model, in addition to erosion data that is being collected on selected banks. To meet this objective, repeat LiDAR surveys are being conducted at numerous bank locations to help assess erosion rates associated with changes in bank profiles over time. Toe pins were also installed at a subset of those banks to evaluate the suitability of using LiDAR for the erosion assessment. A summary of these field investigations is provided in the following subsections, and a detailed summary of the erodibility assessment and results is presented in Appendix A.

2.1.2.1 Bank Erosion Hazard Index

The BEHI is a method that evaluates a stream bank's susceptibility to erosion from erosional processes. This method integrates multiple variables that relate to combined erosional processes leading to annual erosion rates. Erosion risk is then established for a variety of BEHI variables and is eventually used to establish corresponding streambank erosion rates. The individual BEHI variables for the erosion prediction model are as follows:

- Study bank height/bankfull height (study bank-height ratio)
- Root depth/bank height (root depth ratio)
- Weighted root density
- Bank angle
- Surface protection
- Bank material
- Stratification of bank material

A field evaluation of bank conditions in Reach 5A was performed from July 29 to August 4, 2022. The riverbanks were visually examined and separated into 263 separate study banks depending on similar bank conditions; study bank segments are shown on Figure 2-2. Detailed measurements were performed on each of the study banks, and the measurements were recorded in a notebook for later input into an Excel spreadsheet based on the WARSSS worksheets (Worksheet 3-11) to calculate the BEHI score and subsequent rating of the bank. Measurements included the study bank height, bankfull height, bank slope, rooting depth, rooting density (visual estimate), and surface protection (visual estimate). The entire lengths of the right and left banks within Reach 5A were evaluated.

The BEHI score for each of the BEHI variables listed above is a value between 0 and 10 that is assigned based on the field measurements. The scores for the first five variables are totaled and then potentially adjusted according to the type of bank materials that are present (i.e., sand, gravel, and cobble) and stratification of the bank materials to obtain an overall BEHI risk score (Total Score) that

can vary from 5 to 50. The BEHI Total Score is converted to a qualitative rating descriptive of the bank erosion risk. Table 2-1 provides the BEHI ratings associated with ranges of BEHI scores.

Table 2-1
BEHI Score/Rating Conversion

BEHI Total Score	BEHI Rating
5 – 9.5	Very Low
10 – 19.5	Low
20 – 29.5	Moderate
30 – 39.5	High
40 – 45	Very High
46 – 50	Extreme

A summary of the field investigations (including individual scores for each variable, Total Score, and the corresponding BEHI rating for each study bank segment) is provided in Appendix A.

2.1.2.2 Near-Bank Stress

NBS is the evaluation of potential disproportionate energy distribution in the near-bank region (one-third of channel cross-section) associated with the bank being evaluated. Increases in NBS can accelerate stream bank erosion. Three methods were used to determine NBS ratings for each study bank segment in Reach 5A, based on the WARSSS (Rosgen 2006):

- **Method 1:** Reconnaissance-level assessment, including observation of transverse or central bars, chute cutoffs, or converging channels
- **Method 2:** Measurement of the ratio of radius of curvature to bankfull width
- **Method 5:** Measurement of the ratio of near-bank maximum depth to bankfull depth

A reconnaissance-level assessment of NBS was performed in the field on August 4, 2022. This assessment was qualitative and was made by observation of transverse or central bars, extensive deposition in the channel (i.e., side bars), chute cutoffs, or converging channels. These features indicate changes in slope and velocity that may cause accelerated erosion at the study bank. Transverse and central bars are classified as High/Very High NBS, while extensive deposition, chute cutoffs, and converging channels are classified as Extreme NBS.

Following the reconnaissance-level assessment, the remainder of the riverbanks were evaluated for NBS as a desktop exercise using available GIS data. The measurement of the ratio of radius of curvature to bankfull width was accomplished using aerial photography of Reach 5A and CAD software. This method only evaluates the near-bank stress on outer meander bends. To determine the ratio of near-bank maximum depth to bankfull mean depth, channel cross-sections were

developed from the LiDAR topography and bathymetric data collected by Spicer Group (described in Section 2.1.1). Cross sections were cut, and the elevations were input into a fluvial geomorphology program *RIVERMorph* (RIVERMorph 2021). A detailed summary of the field investigations and the resulting NBS rating for each study bank segment is provided in Appendix A.

2.1.2.3 BEHI/NBS Summary

A total of 50,033 linear feet of riverbank in Reach 5A was assessed for BEHI and NBS. The lengths of riverbank for each combination of BEHI and NBS are summarized in Table 2-2.

Table 2-2
Summary of BEHI and NBS Assessment

NBS	BEHI (Length of Bank in Feet)						Total
	Low	Moderate	High	Very High	Extreme	Not Rated	
Low	7,544	20,666	6,657	376	0	96	35,339 (71%)
Moderate	477	2,231	1,131	0	175	0	4,014 (8%)
High	0	448	949	325	0	0	1,722 (3%)
Very High	323	2,093	1,377	0	0	75	3,868 (8%)
Extreme	1,236	1,761	1,485	408	0	200	5,090 (10%)
Total	9,580 (19%)	27,199 (54%)	11,599 (23%)	1,109 (2%)	175 (0.3%)	371 (0.7%)	50,033

The predominant BEHI ratings on the Reach 5A banks were Low or Moderate (covering 73% of the total length). Banks with a Low BEHI rating were well vegetated with a dense root mat that extended to the water line, a finer grained (non-sandy silt/clay) substrate, and a low bank height. Banks with a Moderate BEHI rating were generally similar to a Low BEHI bank but were typically more vertical and had a less dense root mat or rooting depth.

Nearly 25% of the banks in Reach 5A had a High BEHI rating. Several factors resulted in banks being assigned a High BEHI rating. These banks typically lacked woody vegetation and the associated root mass that goes along with that vegetation. These banks also often had sandy substrate, although steeper banks with more of a silt/clay substrate were also assigned a High BEHI rating. Banks that received a BEHI rating of Very High or Extreme were characterized by being as vertical and typically sandy. The differentiating factor between these two categories was the presence or absence of vegetation; a vertical sandy bank was rated Very High if it had some herbaceous vegetation and Extreme if it lacked significant vegetation.

NBS ratings in Reach 5A ranged from Low to Extreme. The predominant NBS rating was Low (71% of the riverbank's length). The remaining banks were distributed among ratings of Moderate (8%), High (3%), Very High (8%) and Extreme (10%).

As noted in Section 1.3, the Revised Final Permit specifies that banks are considered erodible if they have BEHI and NBS ratings of "Moderate-High" or greater. However, in Rosgen (2006), there is no such rating for BEHI or NBS; ratings are either Moderate or High. The BEHI Total Score for the Moderate category ranges from 20 to 30 (see Table 2-1). For present purposes, GE is considering a BEHI score of 27 to be the lower bound for the Moderate-High range. This is consistent with EPA's prior (2009) analysis of the banks, in which the six conventional adjective BEHI ratings were subdivided into 16 adjective ratings, and BEHI scores of 27 to 29 were indicated to be "Moderate-High" (EPA 2009). This increased subdivision of BEHI ratings was also used by Weston Solutions (2014) in its estimates of bank removal volumes. With respect to the NBS, given that the NBS range for Moderate can vary depending upon the method, GE is conservatively considering all banks with an NBS score of Moderate or greater to meet the definition of erodible. Based on this definition, a total of 9,471 feet of riverbank in Reach 5A (19% of the total length of riverbanks) is classified as erodible. Additional information on the bank erodibility assessment is provided in Appendix A.

2.1.2.4 BANCS Model Calibration Surveys

EPA's March 17, 2022 conditional approval letter for GE's September 27, 2021, Initial Sediment/Bank PDI Work Plan directed GE to calibrate the BANCS model based on erosion surveys to be conducted for each combination of BEHI and NBS and following the methodology outlined in WARSSS (Rosgen 2006). This model uses the BEHI and NBS results along with an empirically derived stream bank erosion rate curve to predict erosion rates and the total annual quantity of sediment contributed by bank erosion. On October 21, 2022, GE submitted a standard operating procedure (SOP) for these surveys, which EPA approved on October 31, 2022. This SOP specified the use of LiDAR to develop bank profiles at all selected study banks and a traditional survey using toe pins at a subset of those study banks. A separate email with proposed LiDAR study banks and toe pin locations was sent to EPA on November 7, 2022.

The bank erosion study is being performed in accordance with the Bank Erosion SOP approved by EPA. Prior to the LiDAR survey, GE installed LiDAR survey monuments on 44 study banks on November 14, 2022 (see Figure 2-2 for benchmark locations). These monuments provide a fixed point in space at each study bank that allows for precise survey of the bank profile over time using LiDAR. GE performed a baseline LiDAR survey at all 44 locations on November 29, 2022, and a second survey per the protocol in EPA's conditional approval letter (i.e., following a 70% bankfull flow event) in May 2023. Ten banks were also surveyed using a more traditional survey technique of installing a toe pin and using a survey rod and tape measure to develop a bank profile for comparison to the profile developed during the LiDAR survey. The locations of the 10 banks where toe pins are installed are shown on Figure 2-2. A baseline survey of the toe pin locations was

performed on November 29 and 30, 2022, and a second survey was performed in May 2023 following the 70% bankfull flow event. The study banks will be resurveyed again after one year (i.e., in November 2023) to evaluate annual erosion rates, which will be used to develop a bank erosion curve. Because evaluation of erosion rates requires resurvey after an entire year, the data have not been fully evaluated at this time; as such, the results have not been provided in this report. The results of the one-year re-survey and a full evaluation of the data will be presented in the Supplemental Data Collection Report discussed in Section 3.

2.1.3 Water Surface Elevation and Current Velocity Survey

Water surface elevations and river current velocities were measured at various locations throughout Reach 5 to support development of a hydraulic model. This included collection of current velocity data at six locations during three separate events (low, moderate, and high flow) and deployment of water level loggers at two locations to continuously monitor water surface elevation.

2.1.3.1 Current Velocity Survey

Current velocities were measured at six cross-sectional sites within Reach 5 using an acoustic Doppler current profiler (ADCP). These six sites consisted of three locations in Reach 5A (Holmes Road bridge, adjacent to Joseph Drive, and near the Pittsfield WWTP), one location in Reach 5B (New Lenox Road bridge), and two locations in Reach 5C (south of Roaring Brook and Woods Pond Headwaters near Woodland Road), as shown on Figure 2-3. Consistent with the Revised Sediment/Bank PDI Work Plan, three rounds of water surface elevation and current velocity measurements were collected at all sites under different flow conditions—low, moderate, and high flow. For the purposes of this survey, low, moderate, and high flows were defined as <100 cubic feet per second (cfs), 100 to 300 cfs, and >300 cfs, respectively, as measured at the U.S. Geological Survey (USGS) gauge in the East Branch of the Housatonic River at Coltsville, Massachusetts (Gauge No. 01197000). Table 2-3 provides a summary of the selected survey dates corresponding to each of the target flow ranges, and the average daily flow observed during each event at Coltsville, and at the USGS gauge in the Housatonic River at Lenoxdale, Massachusetts (Gauge No. 01197145).

Table 2-3
Dates of ADCP Sampling Events and Corresponding Flows at Nearby USGS Gauges

Event	Target Flow Range at Coltsville (cfs)	Survey Start Date	Survey End Date	Daily Average Flow (cfs) ¹	
				Coltsville Gauge (01197000)	Lenoxdale Gauge (01197145)
Low	<100	10/25/2022	10/27/2022	63	232
Moderate	100 to 300	4/11/2023	4/12/2023	169	504
High	>300	5/1/2023	5/2/2023	420	759

Note:

1. Values represent averages over survey dates. USGS flow values are provisional.

2.1.3.1.1 Data Collection

ADCPs are commonly used to measure flow velocities. ADCPs measure three-dimensional flow velocities by sending sound pulses into the water column toward the streambed. Reflected sonic pulses are returned to a receiver on the unit. Based on the timing and frequency of the return signals, the ADCP calculates flow velocities and directions and also returns water depth. The specific ADCP used for this survey was a SonTek RiverSurveyor M9.⁴ Geospatial location information collected along each cross section was provided through differential global positioning system (DGPS) equipment.

The M9 was mounted to a remote-controlled survey vessel that was used to navigate the M9 along each cross section. Figure 2-4 includes photographs of the assembled survey vessel and the survey vessel in use during one of the PDI sampling events.

At each location, transects were run with the survey vessel a minimum of four times, consistent with USGS guidance for ADCP measurements. If the computed discharge of any individual measurement varied more than 5% from the mean, additional transects were run. These transects were then averaged to create a representative velocity profile at each location. Velocity profiles were recorded at all six transect locations during each of the three events except for Site 5, which was not sampled during the high flow event due to safety concerns.

During each of the three surveys, the water surface elevation at each transect location was also recorded.⁵ A water surface elevation was not obtained at Site 6 during the low-flow event due to difficulty in acquiring a GPS signal at that location.

2.1.3.1.2 Data Processing

SonTek River Surveyor Live software was used to compute the average discharge (flow) for each transect. A summary of the calculated average discharge and surveyed water surface elevation at each transect is provided in Table 2-4.

⁴ The SonTek RiverSurveyor M9 transducer configuration is a "Dual 4-Beam 3.0 MHz/1.0MHz Janus at 25° Slant Angle" and "0.5 MHz Vertical Beam Echosounder." Depth measurements have a range of 0.20 to 80 meters, an accuracy of 1%, and a resolution of 0.001 meter.

⁵ Water surface elevations were obtained by Anchor QEA at each location during the low flow event using RTK GPS. Water surface elevations obtained during the subsequent moderate and high flow events were surveyed by Foresight Land Services, Inc.

Table 2-4
Mean Discharge and Water Surface Elevation Measurements

Site	Mean Discharge (cfs)	Water Surface Elevation (feet NAVD88)
Low Discharge—October 25 to 27, 2022		
1	198	955.38
2	207	951.82
3	194	949.80
4	224	949.05
5	218	948.45
6	247	N/A
Medium Discharge—April 11 to 12, 2023		
1	366	956.80
2	412	953.16
3	424	950.99
4	431	949.87
5	449	949.33
6	516	948.96
High Discharge—May 1 to 2, 2023		
1	670	958.41
2	689	954.54
3	854	952.76
4	751	951.53
5	N/A	N/A
6	843	949.62

In addition, the Velocity Mapping Toolbox (VMT) for MATLAB (software developed by the USGS for processing ADCP data) was used to generate average current profiles from the ADCP transect measurements. Specifically, the VMT was used to compute an average velocity distribution at each site. Figure 2-5 shows an example velocity profile taken at Site 2 during low-flow conditions. (Velocity profiles at all locations for all three events are included in Appendix B.) Velocity magnitude is shown in feet per second, increasing from blue to red. SonTek River Surveyor Live uses a velocity profile extrapolation technique to determine discharge in areas not measured by the ADCP. This includes the shallow water near the banks, approximately one foot under the sensor (blanking distance), and areas along the substrate that interfere with velocity measurement.

2.1.3.2 Water Level Logger

2.1.3.2.1 Data Collection

Two HOBO water level loggers were deployed in the Housatonic River, one at the Holmes Road bridge and one at the New Lenox Road bridge, to provide hydraulic data for use in calibrating and validating the hydraulic model. HOBO loggers contain a pressure transducer that responds to the weight of overlying water and atmospheric pressure, a thermometer, and an internal data logger that stores over a year of data. Data was collected over a six-month period, with initial deployment of both loggers on October 25, 2022, and final data downloads on April 11, 2023 (New Lenox Road Bridge), and May 26, 2023 (Holmes Road Bridge). Figure 2-6 displays the logger housing and deployment setup at the New Lenox Road Bridge.

2.1.3.2.2 Data Processing

Raw logger data contain absolute pressure readings, which must be converted to a water depth or water surface elevation. To convert pressure data to a water depth, a reference elevation of the logger and atmospheric pressure must be known. A RTK GPS was used at logger installation and during subsequent data downloads and servicing to measure the water surface elevation, as well as temporary and established benchmarks. A measuring stick was also used to measure the water depth to the logger, establishing the reference elevation of the logger. Pressure data were post-processed by subtracting atmospheric pressure data recorded at the nearby Pittsfield airport from the recorded data, and then converting the hydrostatic pressure to a water depth. Water surface elevations computed from the HOBO sensors were compared to the actual elevations collected using the GPS and adjusted to remove any drift and bias in the measurement.

Figure 2-7 shows a time series of water surface elevations recorded by the logger at the New Lenox Road Bridge. The quality of the data at this location was determined to be good given that the time series correlates well with observed flows at the nearby USGS gauges at Coltsville and Lenoxdale. However, during retrieval of the logger at the Holmes Road Bridge it was noted that the logger housing had been impacted at some point during deployment (possibly by ice or debris). The data from both loggers were compared to determine the date of the disturbance because it is expected that both loggers would show similar patterns in the hydrograph (see Figure 2-8). On February 4, 2023, the logger at Holmes Road showed a “spike” in water surface elevation that was not observed at the New Lenox Road logger (circled in green on Figure 2-8). Moreover, there is an apparent shift in the baseline relative to data collected prior to February 4, suggesting that this is the date that the Holmes Road logger was disturbed. As a result, water level data collected subsequent to February 4, 2023 at the Holmes Road Bridge have been disregarded.

2.1.4 Shoreline Structures and Utility Surveys

The presence of aboveground and underground utilities and shoreline structures will need to be considered during remedial design as they could affect the remedial construction work. Therefore, shoreline structures and utilities along the Reach 5A river channel were identified during PDI activities conducted in this reach.

As part of the PDI, Massachusetts Dig Safe Inc. (i.e., 811) was contacted to coordinate utility identification and mark-outs within Reach 5A so as to verify clearance for the subsurface sampling program. Utilities identified during the utility clearance process and their approximate locations were documented. In addition, during the PDI, field reconnaissance observations were conducted to identify and document the locations for shoreline structures and utilities within Reach 5A.

Based on the information gathered during the PDI, several structures and utilities were identified within Reach 5A, as summarized in Table 2-5. The locations of these structures and utilities are shown on Figure 2-9. During remedial design, it may be necessary to conduct additional outreach to owners of these structures and utilities to evaluate if and how the structures and utilities could impact the remedy implementation.

2.2 Riverbank Soil PCB Characterization

Riverbank soil samples were collected for PCB analysis to characterize the extent of riverbank soils having PCB concentrations greater than 5 mg/kg in the top one foot of soil and to support assessment of on-site versus off-site disposal requirements for riverbank soils to be removed. As described in the Revised Sediment/Bank PDI Work Plan, surficial (0- to 12-inch) riverbank soil samples were collected at the toe, midpoint, and top-of-bank along transects spaced no more than 25 feet apart. Target locations for the discrete sampling locations along each transect could not be specified until after completion of the riverbank LiDAR survey described in Section 2.1.1. Because the LiDAR survey results were not available until after the Revised Sediment/Bank PDI Work Plan was submitted to EPA (and approved), target riverbank soil sampling locations were subsequently provided to EPA for review and approval via email on June 28, 2022. Supplemental information was provided EPA to facilitate its review in an email dated July 1, 2022. The proposed riverbank sampling locations were approved by EPA on July 12, 2022.

Riverbank soil sampling activities were performed in accordance with the Revised Sediment/Bank PDI Work Plan. Surficial (0- to 12-inch) riverbank soil PCB samples were obtained at each discrete location using a hand auger. Samples were obtained by advancing the selected sampling device at an angle approximately perpendicular to the slope of the riverbank at each sampling location. The sampling crew located the target riverbank soil sampling locations using GPS. A total of 1,996 transects

were sampled.⁶ Riverbank soil samples were collected at all target sampling locations, except for 42 transects (approximately 2% of the 1,996 total transects sampled) where it was not possible to collect sample increments at all three discrete locations (toe, mid, top) on the transect needed to form the composite sample. Specifically, field crews were unable to collect a sample at the top-of-bank location at 32 transects due to limited accessibility; and the remaining 10 transects could not be sampled at the toe of the slope due to obstructions (e.g., presence of riprap). GE discussed these locations with an EPA field representative and received approval to form a two-sample composite when the third discrete location could not be obtained. In addition, there were 34 transects where relatively small adjustments were made to the sampling location due to obstructions (e.g., rocks and trees). Adjustments to target sampling locations were discussed with and approved by the EPA field representative, and coordinates of the actual sampling locations were recorded. Sample collection log information (e.g., collection date, recovery length, and sample description), including any notes documenting conditions that warranted movement or abandonment of a sample location, are provided in Table C-1 in Appendix C.

A total of 2,100 composite samples (including 2,001 environmental samples⁷ and 99 field duplicate quality assurance [QA]/quality control [QC] samples) were collected along the Reach 5A riverbanks between August 30, 2022, and May 23, 2023. All samples were submitted to SGS North America Inc., located in Dayton, New Jersey (SGS Dayton), for analysis of PCBs as Aroclors using EPA Method 8082. A subset of the riverbank soil samples (201) was selected and also submitted to SGS Dayton for analysis of geotechnical index parameters (see Section 2.6). EPA also collected 97 split samples for separate analysis. The split samples collected by EPA through September 28, 2022 were analyzed for PCB Aroclors by Chemtech Consulting in Mountainside, New Jersey. Split samples collected by EPA after September 28, 2022 were analyzed by Eurofins in Pittsburgh, Pennsylvania.

Following receipt of the analytical results, the PCB data collected by GE underwent data review and validation in accordance with the pertinent procedures specified in GE's 2013 Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP).⁸ This included validation of all such data to a Tier I level and validation of a minimum of 25% of the data to a Tier II level. The data validation results are

⁶ Nine of the 1,996 transects sampled are located downstream of the downstream limit of Reach 5A being used for remedial design (Station 245+00).

⁷ This sample count includes five locations that were sampled twice (RB-E-011-16, RB-W-120-24, RB-E-151-35, RB-E-174-84, and RB-E-181-07). Sample coordinates were missing at these five locations following collection in fall 2022. In spring 2023, field crews attempted but were unable to relocate the sampling locations and elected to recollect samples at these transects.

⁸ GE submitted an updated FSP/QAPP to EPA for review and approval on July 17, 2023. That document has not yet been approved, so the data validation described in this report was performed in accordance with the prior (2013) FSP/QAPP.

presented in reports provided in Appendix D. As summarized in that appendix, more than 99% of the riverbank soil PDI data are considered usable.

The validated riverbank soil PDI PCB data collected by GE are summarized in Table E-1 in Appendix E. These data are also shown on Figures 2-10a through 2-10i. PCB analytical results from split samples collected by EPA (and the corresponding GE sample results) are summarized in Table E-2 in Appendix E.

2.3 Sediment PCB Characterization

Sediment sampling was conducted in the main channel and six backwater areas within Reach 5A between August 30, 2022, and May 19, 2023. Sampling was also conducted during this period in certain other hydrographic features within Reach 5A that do not have specific sampling requirements under the Revised Final Permit, but where EPA has directed GE to conduct sampling (designated as “Other Waterbodies in Reach 5A Containing Sediment” in the Revised Sediment/Bank PDI Work Plan and shown on Figure 1-1).

2.3.1 Sample Collection

2.3.1.1 Main Channel Sediments

Sampling in the main channel of Reach 5A was conducted in accordance with the Revised Sediment/Bank PDI Work Plan along transects spaced 250 linear feet apart in the river channel, with three sediment cores per transect (i.e., a core located on the east, center, and west side of the channel denoted by E, C, and W in the sample location ID). GPS was used to locate each target sample location. At each location, water depth was measured, and a 0.5-inch-diameter (or less) steel probe was used to determine the sediment composition and to determine if advancement of a sediment sampler to a depth of three feet was possible. If the probe was unable to penetrate to a depth of three feet, a minor adjustment to the sampling location was made (as close as possible to the original location). The new coordinates, water depth, and probing depth were recorded.

Sediment samples were collected by wading or from a shallow draft vessel, as appropriate given field conditions. At each location, an AMS, Inc., sediment sampler (two-inch interior diameter) containing an acetate liner was advanced with a slide hammer to a depth of three feet and then extracted. The acetate liner was removed from the sampler after being withdrawn from the riverbed then capped for transport to the sediment sample processing area at GE Building 59. If the liner did not contain a full three feet of recovery, a new liner was placed in the sampler and additional attempts (up to three) were made to achieve full recovery. Sample collection log information (e.g., collection date, recovery length, and sample description), including any notes documenting conditions that warranted movement or abandonment of a sample location, are provided in Appendix C.

A total of 1,066 samples (including 1,017 environmental samples and 49 field duplicates) were collected in the Reach 5A main channel from 284 locations. Ten locations were abandoned generally due to a lack of sediment at those locations. Total recovery depths generally ranged from 1.5 to 2.0 feet. All samples were submitted to SGS Dayton for analysis of PCBs as Aroclors using EPA Method 8082 and total organic carbon (TOC) by the Lloyd Kahn Method. A subset of these samples was also selected and submitted to SGS Dayton for analysis of geotechnical index parameters (see Section 2.6). Table 2-6 provides a summary of the number of samples submitted for each analysis by depth interval.

Table 2-6
Summary of Main Channel Sediment Sample Counts

Sample Depth Interval (feet below mudline)	Sample Counts		
	PCBs	TOC	Geotechnical Index Parameters
0 – 0.5 foot	301	301	1
0.5 – 1.0 foot	301	301	3
1.0 – 1.5 feet	271	271	10
1.5 – 2.0 feet	174	174	30
2.0 – 2.5 feet	17	17	6
2.5 – 3.0 feet	2	2	0
Total	1,066	1,066	50

Note:

Counts presented in this table do not include the supplemental main channel sediment samples discussed in Section 2.3.1.2.

2.3.1.2 Supplemental Main Channel Sediments

During the main channel sediment sampling conducted by GE in 2022 pursuant to the Revised Sediment/Bank PDI Work Plan, EPA raised a concern that sediment recovery was less than the penetration depth of three feet (as noted in Section 2.3.1.1, main channel sediment core recovery was generally in the range of 1.5 to 2.0 feet). EPA requested that GE consider modifying the sampling approach/methodology to obtain cores with a consistent recovery of at least three feet to better characterize PCB concentrations in the 2.0- to 3.0-foot interval. As a result, GE proposed to resample sediments at a subset of 30 core locations (i.e., 10 transects, with 3 locations per transect) distributed throughout Reach 5A using a modified sampling approach. The locations were selected such that they represented a range of PCB concentrations and vertical PCB profiles.⁹ Ocean Surveys, Inc., performed this sediment sampling between April 19 and 22, 2023. To improve sediment recovery, three-inch diameter aluminum core tubes were driven with a gas-powered hammer to a depth of four feet (i.e., one foot deeper than the penetration depth specified in the approved work plan).

⁹ Transects selected for resampling were SE-000+00, SE-025+59, SE-043+16, SE-068+20, SE-078+22, SE-091+28, SE-114+39, SE-134+45, SE-149+52, and SE-182+31.

Using this revised sampling method, a minimum of three feet of sediment was recovered at all but four of the resampled locations; sampling at the three locations at transect SE-068-20 resulted in approximately two feet of recovery, and sampling at location SE-134+45-W resulted in 2.8 feet of recovery. Sample collection log information is provided in Appendix C. A total of 183 samples (including 174 environmental samples and nine field duplicates) were submitted to SGS Dayton for analysis of PCBs as Aroclors using EPA Method 8082 and TOC by the Lloyd Kahn Method.

In addition to the sampling described above, EPA requested that GE consider advancing non-PCB disposal characterization sampling of sediments in Reach 5A during the spring 2023 PDI.¹⁰ As a result, GE submitted a proposal to EPA via email dated April 3, 2023 (approved by EPA on April 10, 2023), to submit a portion of the resampled sediments described above for non-PCB disposal characterization. For this analysis, one composite sample was generated for each of the 10 transects by homogenizing sediments from the three cores collected along each transect. The composite sample was a full-depth (0- to 3-feet) composite of all three cores along the transect. Those 10 samples were submitted to SGS Dayton for analysis, via the toxicity characteristic leaching procedure (TCLP), of metals, semi-volatile organic compounds, pesticides, volatile organic compounds, and herbicides.

2.3.1.3 Backwater Sediments

Sampling of the six backwaters in Reach 5A (BW5A-1 through BW5A-6) was conducted on a 50-foot grid as prescribed in the Revised Sediment/Bank PDI Work Plan. GPS was used to locate each target sample location. At each location, water depth was measured, and a 0.5-inch-diameter (or less) steel probe was used to determine the sediment composition and to determine if advancement of a sediment sampler to the target depth of five feet in the backwaters was possible (with the exception of backwater BW5A-1, where the target sampling depth was limited to one foot based on the specific requirements for backwaters located within Core Area 1 habitat under the Revised Final Permit). If the probe was unable to penetrate to a depth of five feet, a minor adjustment to the sampling location was made (as close as possible to the original location). The new coordinates, water depth, and probing depth were recorded.

At each location, an AMS sediment sampler containing an acetate liner was advanced with a slide hammer to a depth of five feet (except for locations in BW5A-1 where the sediment samples were advanced to a depth of one foot) and then extracted. The acetate liner was removed from the sampler after it was withdrawn from the backwater bed and then capped for transport to the sediment sample processing area at GE's Building 59. If the liner did not contain a full five feet of

¹⁰ During a meeting on March 15, 2023, GE and EPA agreed that non-PCB disposal characterization sampling would be conducted mainly following submittal of the Conceptual RD/RA Work Plan once delineation of sediments and soils to be removed has been completed. Nonetheless, EPA requested that GE consider advancing some of that characterization for Reach 5A sediments during the 2023 PDI.

recovery, a new liner was placed in the sampler and up to three additional attempts were made to achieve full recovery. Sample collection log information (e.g., collection date, recovery length, and sample description), including any notes documenting conditions that warranted movement of a sample location, is provided in Appendix C.

For sampling locations in backwaters BW5A-5 and BW5A-6, a modification was made to the sample collection procedure at locations that did not contain surface water at the time of sampling due to low flow conditions. At these locations, the AMS sampler was advanced to a depth of two feet and then extracted, the liner was removed and capped, and then a fresh liner was installed. After the sampler had been removed from the initial two feet, a hand auger was used to remove any remaining material down to a depth of two feet. The AMS sampler was then placed back in the same boring and advanced to collect sediment from the 2- to 4-foot depth interval and then extracted, after which the liner was removed and capped, and a new liner was placed in the sampler. The same process was repeated to collect sediment from the remaining 4- to 5-foot depth interval. These modifications were made in the field given the difficulty in consistently recovering more than three feet of sediment on a five-foot penetration. Although this methodology was successful in yielding recovery from greater depths, it did create gaps in the sample intervals in some instances since full recovery was not always achieved in the 0- to 2-foot and 2- to 4-foot collection intervals. All sediment cores were segmented for analysis according to the Revised Sediment/Bank PDI Work Plan (i.e., a 0- to 1-foot interval and 6-inch intervals between one and five feet).

A total of 484 samples (including 461 environmental samples and 23 field duplicates) were collected from all 127 target backwater locations specified in the Revised Sediment/Bank PDI Work Plan (i.e., no locations were abandoned). All samples were submitted to SGS Dayton for analysis of PCBs as Aroclors using EPA Method 8082 and TOC by the Lloyd Kahn Method. A subset of these samples was also selected and submitted to SGS Dayton for analysis of geotechnical index parameters (see Section 2.6). Table 2-7 provides a summary of the number of samples submitted for each analysis by depth interval.

Table 2-7
Summary of Backwater Sediment Sample Counts

Sample Depth Interval (feet below mudline)	Sample Counts		
	PCBs	TOC	Geotechnical Index Parameters
0 – 1.0 foot	143	143	7
1.0 – 1.5 feet	67	67	2
1.5 – 2.0 feet	63	63	2
2.0 – 2.5 feet	68	68	0
2.5 – 3.0 feet	55	55	4
3.0 – 3.5 feet	37	37	4

Sample Depth Interval (feet below mudline)	Sample Counts		
	PCBs	TOC	Geotechnical Index Parameters
3.5 – 4.0 feet	16	16	0
4.0 – 4.5 feet	19	19	0
4.5 – 5.0 feet	16	16	0
Total	484	484	19

2.3.1.4 Other Waterbodies

Sediment sampling conducted in the five Other Waterbodies defined in the Revised Sediment/Bank PDI Work Plan—i.e., the outlet from Morewood Lake (Wampenum Brook); portions of Sackett Brook and Sykes Brook; West Pond; and the intermittently flowing side channel located east of the Confluence—was conducted using the same methodology used in the main channel sediments and backwaters, as appropriate. The outlet from Morewood Lake (designated W-OWB1), the intermittently flowing side channel (designated E-OWB1), portions of Sackett Brook (designated E-OWB2), and Sykes Brook (designated E-OWB3) were sampled to a depth of two feet. West Pond (designated OWB-WP) was sampled to a depth of three feet.

A total of 283 samples (including 268 environmental samples and 15 field duplicates) were collected from all 75 target locations specified for the Other Waterbodies in the Revised Sediment/Bank PDI Work Plan (i.e., no locations were abandoned). All samples were submitted to SGS Dayton for analysis of PCBs as Aroclors using EPA Method 8082 and TOC by the Lloyd Kahn Method. No samples from the Other Waterbodies were submitted for analysis of geotechnical index parameters. Table 2-8 provides a summary of the number of samples submitted for each analysis by depth interval.

Table 2-8
Summary of Other Waterbodies Sediment Sample Counts

Sample Depth Interval (feet below mudline)	Sample Counts		
	PCBs	TOC	Geotechnical Index Parameters
0 – 0.5 foot	76	76	0
0.5 – 1.0 foot	82	82	0
1.0 – 1.5 feet	68	68	0
1.5 – 2.0 feet	44	44	0
2.0 – 2.5 feet (West Pond only)	13	13	0
2.5 – 3.0 feet (West Pond only)	0	0	0
Total	283	283	0

2.3.2 Data Validation

Following receipt of the sediment analytical results (main channel, backwaters, and Other Waterbodies), the PCB data collected by GE underwent data review and validation in accordance with the pertinent procedures specified in GE's 2013 FSP/QAPP. This included validation of all such data to a Tier I level and validation of a minimum of 25% of the data to a Tier II level. The data validation results are presented in reports provided in Appendix D. As summarized in that appendix, more than 99% of the sediment PDI data are considered usable.

2.3.3 Results

The validated sediment PCB data collected by GE are summarized in Tables E-3 through E-6 in Appendix E. These data are also shown by location and depth interval for the main channel on Figures 2-11a through 2-11bbb, the backwater areas on Figures 2-12a through 2-12f, and the Other Waterbodies on Figure 2-13a through 2-13e. EPA also collected 104 split samples for separate analysis, including 57 main channel sediment samples, 31 backwater sediment samples, and 16 samples from Other Waterbodies. Like the split riverbank soil samples, the split sediment samples collected by EPA through September 28, 2022, were analyzed for PCB Aroclors by Chemtech Consulting in Mountainside, New Jersey, and those collected after September 28, 2022, were analyzed by Eurofins in Pittsburgh, Pennsylvania. PCB analytical results from split samples collected by EPA (and the corresponding GE sample results) are summarized in Table E-7 in Appendix E. Finally, the results of the non-PCB TCLP analysis of selected sediment samples for disposal characterization (as described in Section 2.3.1.2) are provided in Table E-8 in Appendix E.

The sediment PCB data from the main channel, backwaters, and Other Waterbodies are discussed in the Conceptual RD/RA Work Plan. The TCLP results showed no TCLP parameters above the RCRA hazardous waste toxicity characteristic regulatory levels.

2.4 Porewater PCB Sampling

Porewater PCB concentrations were measured at 20 locations in the main channel and backwaters of Reach 5A in accordance with the Revised Sediment/Bank PDI Work Plan. For this evaluation, concentrations of freely dissolved PCBs in sediment porewater were measured ex situ using solid-phase microextraction (SPME) passive samplers deployed in each of 20 bulk sediment samples collected from Reach 5A. This section describes the bulk sediment collection process and analytical results and the methods and results of the ex situ porewater analyses.

2.4.1 Bulk Sediment Sampling

Additional bulk sediment samples (in addition to those described in Section 2.3) were collected between August 3 and August 9, 2022, to characterize the relationship between PCB concentrations in sediment and those in porewater (i.e., to support evaluations of site-specific partitioning

relationships). These additional samples were collected at the 20 locations in the main channel and backwaters shown on Figure 2-14.

Sediment for bulk sediment and ex situ porewater analysis was collected by one of two methods: use of a standard three-inch or 2.5-inch (outside diameter) push core or use of an AMS gas-powered two-inch (outside diameter) sampler. The differences between the two methods are in the diameter of sampler (and resulting sediment volume retained) and the methods of driving into the sediment. The gas-powered sampler was brought to the field for use in those locations with abundant gravel/cobble or buried woody debris that made driving standard push core difficult.

Sample collection log information is provided in Table C-2 in Appendix C. As shown in that table, 75% of the stations required multiple attempts to retain sufficient sediment volume for required testing. Once collected in the field, sediment cores were capped and labeled, and the total recovery was measured. If a core had insufficient recovery, additional collection attempts were made until sufficient volume was collected for homogenization and analyses. Following core collection, capped sediment cores were transported to GE's Building 59 for processing. For each sediment core, the target interval of one to three feet below the sediment surface (specified in the Revised Sediment/Bank PDI Work Plan) was identified, and the upper one foot of sediment was separated and discarded. The sediment from the 1- to 3-foot depth interval was placed into a large aluminum tray and thoroughly homogenized. A portion of the homogenized bulk sediment sample was sent to Anchor QEA's Environmental Geochemical Laboratory (EGL) in Portland, Oregon, for the ex situ passive sampler analysis. The remaining portion of the homogenized bulk sediment samples was submitted to SGS Dayton for analysis of PCBs as Aroclors using EPA Method 8082, PCBs as congeners using EPA Method 1668C, and TOC and dissolved organic carbon (DOC).

Following receipt of the bulk sediment analytical results, the PCB data underwent data review and validation in accordance with the pertinent procedures specified in GE's 2013 FSP/QAPP. This included validation of all such data to a Tier I level and validation of a minimum of 25% of the data to a Tier II level. The data validation results are presented in reports provided in Appendix D.

Table 2-9 includes a summary of the bulk sediment total PCB (Aroclor and congener) and organic carbon (TOC and DOC) results. All data, including individual PCB Aroclor and congener results, are presented in Table E-9 in Appendix E. Total PCB Aroclor results ranged from 0.045 to 7.6 mg/kg, and TOC ranged from 0.06% to 1.87%.

2.4.2 Porewater Characterization

2.4.2.1 Solid-Phase Microextraction Fiber Preparation

SPME fibers were obtained from Polymicro Technologies Inc. (Phoenix, Arizona; Part No. 1068020127). These SPME fibers consist of a 500-micrometer (μm)-diameter inert glass core coated with 35 μm of

polydimethylsiloxane (PDMS). Prior to use, SPME fibers were sequentially soaked in high-performance liquid chromatography (HPLC)-grade hexane, methanol, and water in a glass tube on a shaker table at 60 rounds per minute to remove any potential contaminants that may interfere with subsequent analysis. Clean SPME fibers were then soaked in a Performance Reference Compound (PRC) solution, which is a methanol/water (80:20 v/v) mixture spiked with six ^{13}C -labeled PCB congeners (i.e., ^{13}C -PCB-8, ^{13}C -PCB-31, ^{13}C -PCB-60, ^{13}C -PCB-85, ^{13}C -PCB-128, and ^{13}C -PCB-182) purchased from Cambridge Isotope Inc. (Tewksbury, Massachusetts) and allowed to equilibrate for 14 days on a shaker table. Subsequently, all SPME fibers were removed from the PRC solution and rinsed with deionized water to remove residual methanol. Five of the prepared SPME fiber samples (200 centimeters [cm] each) were immediately sent to the analytical laboratory to measure the initial PRC concentrations for QA/QC.

2.4.2.2 Ex Situ Solid-Phase Microextraction Test

As described in Section 2.4.1, 20 homogenized bulk sediment samples (plus one field duplicate) were collected from Reach 5A and were shipped to EGL for ex situ SPME analysis. Upon arrival at EGL, large rocks and debris were removed from the samples with gloved hands, and a small amount of sodium azide was added to prevent biodegradation of the target analytes (van der Heijden and Jonker 2009; Fagervold et al. 2010). PRC-spiked SPME fibers (approximately 200 cm in total length) were then cut to approximately 10 cm long and vertically inserted into each of the sediment samples with gloved hands. The sediment jars were placed on a shaker table and gently agitated at 60 rotations per minute. The SPME fibers were deployed in the jars for 63 days from August 24 to October 26, 2022. After the deployment period, the SPME fibers were gently retrieved from the sediment jars with gloved hands, rinsed with HPLC-grade water, and wiped with laboratory tissue to remove water and adhering particles. After their masses were recorded, the SPME fibers were stored in EPA pre-cleaned volatile organic analysis vials and immediately shipped on ice to SGS North America in Wilmington, North Carolina, for PCB congener analysis using EPA Method 1668C.

2.4.2.3 Calculation of Freely Dissolved PCB Concentrations in Sediment Porewater

This section discusses the steps to calculate freely dissolved PCB concentrations in sediment porewater. These concentrations are estimated using the PCB concentrations measured on the SPME fibers after deployment (reported by SGS), divided by the PDMS-water partitioning coefficient and the fraction of equilibrium achieved within the SPME fiber, as shown in Equation 1.

Equation 1

$$C_w = \frac{C_{PDMS}}{K_{PDMS-W} \times f_e}$$

where:

C_w	=	freely dissolved concentration in sediment porewater (pg/L)
C_{PDMS}	=	concentration in PDMS polymer (pg/kg)
K_{PDMS-W}	=	PDMS-water partitioning coefficient (L/kg)
f_e	=	fraction of equilibrium (-)

A regression was developed between measured PDMS-water partitioning coefficient (K_{PDMS-W}) values and published octanol-water partitioning coefficient (K_{OW}) values for PCBs and other hydrophobic organic chemicals (Equation 2). Carefully selected log K_{PDMS-W} -log K_{OW} data of all chemicals line up consistently. Using this regression equation, the K_{PDMS-W} value for each PCB congener was calculated based on the K_{OW} value of the compound. Log K_{OW} values of PCBs were taken from Hawker and Connell (1988) and were adjusted based on the K_{OW} values measured by De Bruijn et al. (1989) with a slow-stirring method, which is generally considered a more reliable method for K_{OW} values (OECD 2006). Log $K_{PDMS-water}$ values for PCBs measured by Smedes et al. (2009) were used in the regression because they were recommended by the passive sampling workshop sponsored by the Society of Environmental Toxicology and Chemistry (Ghosh et al. 2014).

Equation 2

$$\log K_{PDMS-water} = 0.903 \times \log K_{ow} - 0.159 \quad (r^2 = 0.937)$$

where:

$K_{PDMS-water}$	=	PDMS-water partitioning coefficient
K_{ow}	=	octanol-water partitioning coefficient

The fraction of equilibrium was calculated using the ratio of the final concentrations of PRCs (i.e., following deployment) to the initial concentrations, as follows:

Equation 3

$$f_e = 1 - \frac{C_{PRC,final}}{C_{PRC,init}}$$

where:

f_e	=	fraction of equilibrium
$C_{PRC,final}$	=	final PRC concentration in SPME fiber
$C_{PRC,init}$	=	initial PRC concentration in SPME fiber

This calculation was performed for each of the six PRCs. Subsequently, the calculated f_e values were adjusted to represent each of the target PCB compounds, using the approach of Lampert et al. (2015).

2.4.2.4 Quality Assurance/Quality Control

A method blank was prepared to assess SPME data quality. A SPME fiber (200 cm total length) was cut and cleaned with other SPME fibers, wrapped with aluminum foil, and stored in an air-tight Mylar bag in a refrigerator at 4°C until SPME fibers for ex situ deployment were retrieved from the sediment jars. The method blank is used to evaluate interference and contamination incurred from the preparation of the SPME sampler assemblies. No notable PCB mass was detected in the method blank; the total PCB mass in the method blank was 0.10 nanograms (ng). This was much less than 1% of the lowest mass detected in the deployed SPME samples and did not warrant adjustments to the analyses or conclusions. The background total PCB masses detected in the PRC-loaded SPME reproducibility standards were also very low (0.12 to 0.15 ng).

As stated above, all deployed SPME fibers were spiked with six different ^{13}C -labeled PCB congeners (i.e., ^{13}C -PCB-8, ^{13}C -PCB-31, ^{13}C -PCB-60, ^{13}C -PCB-85, ^{13}C -PCB-128, and ^{13}C -PCB-182); five of those fibers were analyzed initially (prior to deployment) to measure the initial PRC concentrations for QA/QC purposes. Low variability in initial PRC concentrations is a key step in accurately determining the fraction of equilibrium of target PCB congeners. Initial concentrations of the PRCs in the QC samples ranged from 149 to 313 pg/ μL PDMS and showed low variability, which indicates adequate QC in the laboratories. The coefficients of variation of the concentrations of the six PRCs ranged from 1.2% to 5.3% and were less than 20%, which is recommended by recent studies (Joyce et al. 2020; Michalsen et al. 2021).

2.4.2.5 Data Validation and PCB Results

Following receipt of the SPME analytical results, the PCB data underwent data review and validation in accordance with the pertinent procedures specified in GE's 2013 FSP/QAPP. This included validation of all such data to a Tier I level and validation of a minimum of 25% of the data to a Tier II level. The data validation results are presented in Appendix D.

The estimated concentrations of freely dissolved total PCBs in porewater corresponding to the 20 sediment samples collected from Reach 5A are presented in the last column in Table 2-9. Porewater total PCB concentrations in these samples ranged from approximately 1.6 to 5,250 ng per liter (L). These porewater PCB concentrations will be used in conjunction with the bulk sediment PCB and TOC results to calculate site-specific partition coefficients for PCBs that will be used to support cap design.

2.5 Groundwater Seepage Investigations

Groundwater seepage rates in Reach 5A were quantified using two different methods, as described in the Revised Sediment/Bank PDI Work Plan. One method was to calculate seepage rate via Darcy's Law using recorded hydraulic gradient and vertical hydraulic conductivity data. The second method was direct measurement of seepage rates using seepage meters. The following subsections describe the field activities performed to collect these data sets.

2.5.1 *Continuous Recording of Hydraulic Head and Vertical Hydraulic Conductivity Testing*

In accordance with the Revised Sediment/Bank PDI Work Plan, seepage rates have been calculated based on the recorded hydraulic gradient and measured vertical hydraulic conductivity in Reach 5A. Piezometers were installed at 10 locations throughout Reach 5A in August 2022—nine in the main channel and one in backwater BW5A-1, as shown on Figure 2-15.

Continuous Recording of Hydraulic Head

As described in the Revised Sediment/Bank PDI Work Plan, continuous measurements of hydraulic head within the river channel and backwaters have been used to calculate the vertical hydraulic gradient. That gradient has been combined with separate estimates of vertical hydraulic conductivity (described in the next subsection) to calculate seepage rates using Darcy's Law at each location. The hydraulic head was measured in the river by installing piezometers at various locations.

At each of the 10 locations shown on Figure 2-15, a pair of piezometers was installed according to the procedures described in the SOP for Vertical Hydraulic Gradient and Hydraulic Conductivity Data Collection (provided as Appendix F to the Revised Sediment/Bank PDI Work Plan). One piezometer in each pair is a deep piezometer that was installed to a depth of approximately six feet below the sediment surface. The second piezometer in each pair is a shallow piezometer that was installed such that the screen is half within the sediment and half above the sediment surface (i.e., within the overlying water column). Each piezometer was constructed of one-inch diameter, schedule 80, PVC flush-joint threaded pipe and 0.010-slot well screen. Piezometers were assembled and then manually driven to the target depth of six feet. After installation, the riser of each new piezometer was cut off above the sediment surface. Details associated with the installation of the piezometers are included in Table 2-10.

Following installation of the risers, each piezometer was instrumented with a sealed pressure transducer with an internal data logger that continuously monitors and records pressure. The recorded pressure is expressed as an equivalent water level above the transducer sensor at approximate five-minute intervals. Each pressure transducer is connected via a cable to a water-tight cap that is inserted/tightened into each piezometer. This protects the transducer and holds the transducer at the same depth within the piezometer. For the deep piezometer, the water-tight cap hydraulically isolates it from the river, allowing the deep pressure transducer to record the head within the formation adjacent to the piezometer screen. Pressure transducers were installed and programmed with the goal of collecting between four and 12 months of data to assess potential seasonal changes on seepage rate.

As noted above, the piezometer pairs were installed at all 10 locations in August 2022 and instrumented with pressure transducers immediately after installation. Piezometers were then serviced at regular intervals (approximately monthly) between September and December 2022 until weather conditions precluded safe access to the piezometers.¹¹ Servicing resumed in May 2023; however, it was determined at that time that several of the piezometers were damaged during the winter months and/or did not properly record data over the period between December 2022 and May 2023. Transducers were serviced and reinstalled in May 2023, and data were downloaded in May and June 2023.¹² This recording of hydraulic head at the 10 piezometer pair locations is ongoing. Table 2-11 provides a summary of the data downloads through June 20, 2023, and Figures 2-16a through 2-16j show the raw pressure transducer data for each of 10 installed piezometer pairs through that date.¹³ Each servicing of the piezometers takes up to three hours while performing necessary quality control checks, which results in the spikes in pressure data observed on the figures at the time of the download.

Vertical Hydraulic Conductivity

At each of the 10 locations where the piezometer pairs were installed, a sediment core was collected in August 2022 to measure vertical hydraulic conductivity (K_v) according to the SOP provided in Appendix F to the Revised Sediment/Bank PDI Work Plan. To measure sediment K_v in the field, continuous sediment cores were collected in rigid-wall, plastic core liners from the existing sediment

¹¹ During the first round of servicing conducted in early September, it was determined that the deep transducer at location PZ-4 was not functioning. As a result, pressure data did not begin recording at this location until early September. Also, during the servicing event conducted in late November 2022, higher river flows precluded safe access to two of the piezometers (PZ-3 and PZ-9). Servicing at these locations was reattempted in mid-December but was successful only at PZ-3.

¹² During the servicing in early June 2023, only two transducers could be serviced due to weather conditions.

¹³ An additional download was conducted in early September 2023, but the resulting data were not received in time to be included in this PDI Report. The additional hydraulic head data will be provided in the Supplemental Data Collection Report described in Section 3.

surface to the targeted bottom elevation of the deep piezometer (i.e., six feet). Table 2-10 includes a summary of the sediment cores collected for use in measuring vertical hydraulic conductivity, including penetration depth and the amount of sediment recovered. As shown in Table 2-10, sediment cores collected for vertical hydraulic conductivity analysis generally had poor recovery and may not be completely representative of the full sediment column down to the depth of the deep piezometers (six feet); however, it was determined that they provide reasonable initial estimates of K_v in Reach 5A. Additional attempts to recover complete six-foot sediment cores may be conducted during future geotechnical investigations in this reach.

The recovered sediment cores at each of these 10 locations were used to estimate the vertical hydraulic conductivity at each location via the gravity drainage method described in the above-referenced SOP. Data recorded during the testing procedure for each sediment core are provided in Appendix F.

Interpretation of these data to estimate vertical hydraulic conductivity at each location is provided in GE's Engineered Cap Modeling and Design Evaluations report, which is Appendix A to the Conceptual RD/RA Work Plan. In addition, the pressure transducer data to date (described above) have been combined with these estimates of vertical hydraulic conductivity to calculate groundwater seepage rates using Darcy's Law. Those calculations are presented in Attachment 2 to GE's Engineered Cap Modeling and Design Evaluations appendix.

2.5.2 Seepage Meter Measurements

The approved Revised Sediment/Bank PDI Work Plan stated that direct seepage measurements would be made using seepage meters at three of the 10 locations selected for monitoring of hydraulic head. GE conducted an analysis of hydraulic gradient data collected during fall 2022; that analysis was presented to EPA during a meeting on February 24, 2023. At that time, GE recommended (and EPA approved) installation of seepage meters at four locations in Reach 5A that showed a range of seepage conditions based on piezometer data (locations PZ-2, PZ-5, PZ-9, and PZ-10; see Figure 2-17).

Prior to mobilization, seepage meters and seepage bag shelters were constructed according to the SOP for Seepage Data Collection Via Seepage Meters, provided as Appendix G to the Revised Sediment/Bank PDI Work Plan. Specifically, seepage domes were constructed from the rounded ends of small polyethylene water tanks. Each dome measured 54 cm in diameter, and the total surface area of each dome was 2,290 cm². Seepage meters were deployed between June 19 and 23, 2023, when flows measured at the USGS Coltsville gauge were less than 50 cfs (consistent with the river flow criterion specified in the Revised Sediment/Bank PDI Work Plan). Seepage domes and bag shelters were placed near the corresponding piezometers at each location and were specifically placed in an area where the sediment surface was relatively flat and free of debris (i.e., large rocks,

wood and/or any miscellaneous anthropogenic material). Seepage meter measurements were taken at each of the four locations with the goal of measuring seepage at each location between three and six times. Seepage was measured four times at locations PZ-2 and PZ-5 and three times at locations PZ-9 and PZ-10. Table 2-12 presents a summary of the seepage measurements obtained during this period.

Table 2-12
Summary of Seepage Meter Measurements

Station No.	Measurement Number	T ₁	T ₂	Elapsed Time (hours)	Seepage (cm/day)
Seepage 2 (PZ-2)	1	6/19/2023 14:00	6/20/2023 9:33	19.55	0.06
Seepage 2 (PZ-2)	2	6/20/2023 10:10	6/21/2023 13:26	15.27	0.35
Seepage 2 (PZ-2)	3	6/21/2023 13:50	6/22/2023 8:01	18.18	0.09
Seepage 2 (PZ-2)	4	6/22/2023 8:15	6/23/2023 8:11	23.93	0.06
Seepage 5 (PZ-5)	1	6/19/2023 15:47	6/20/2023 10:38	18.85	-0.20
Seepage 5 (PZ-5)	2	6/20/2023 11:10	6/21/2023 14:34	15.4	-0.04
Seepage 5 (PZ-5)	3	6/21/2023 14:59	6/22/2023 9:54	18.92	-0.30
Seepage 5 (PZ-5)	4	6/22/2023 10:15	6/23/2023 9:06	22.85	-0.43
Seepage 9 (PZ-9)	1	6/20/2023 14:43	6/21/2023 9:47	19.07	0.00
Seepage 9 (PZ-9)	2	6/21/2023 10:21	6/22/2023 11:33	25.20	0.00
Seepage 9 (PZ-9)	3	6/22/2023 12:30	6/23/2023 11:23	22.95	-0.01
Seepage 10 (PZ-10)	1	6/20/2023 16:54	6/21/2023 8:25	13.52	-0.11
Seepage 10 (PZ-10)	2	6/21/2023 9:11	6/22/2023 12:54	15.7	0.01
Seepage 10 (PZ-10)	3	6/22/2023 13:51	6/23/2023 10:32	20.68	0.31

Notes:

T₁: Start date and time for seepage measurement

T₂: End date and time for seepage measurement

While the seepage meter deployment activities were generally performed in accordance with the Revised Sediment/Bank PDI Work Plan and SOP, some adjustments were made in the field:

- Seepage measurements at location PZ-5 used seepage bags that were pre-filled with a volume greater than the 15% pre-fill volume prescribed in the SOP (approximately 75% on average). This modification was made because the hydraulic gradient (i.e., piezometer) data indicated negative seepage in this area.
- The seepage meters at locations PZ-9 and PZ-10 were initially installed on June 20, 2023. Initial measurements at these locations showed little correlation to hydraulic gradient data collected previously. Specifically, the seepage meters showed no or negative seepage even though the prior piezometer measurements showed positive seepage rates. Therefore, slight

adjustments were made to the installed locations of the dome and shelter bag on June 22, 2023, to ensure there were no localized impacts to seepage measurements.

It should be noted that flows in the Housatonic River increased substantially (well above 50 cfs) following the seepage measurement collected on June 23, 2023. Seepage domes were left in place, and GE had intended to make additional measurements; however, no additional measurements were made through July 2023 due to ongoing elevated river flows.

2.6 Geotechnical Characterization

This section describes field activities and results of the Phase 1 geotechnical investigation program conducted pursuant to Section 3.3.5.1 of the Revised Sediment/Bank PDI Work Plan. Specifically, this section provides a description of sampling methods, summaries of geotechnical materials/conditions encountered, results of in situ vane shear testing, and results of laboratory geotechnical testing. Note that Phases 2 through 4 of the previously proposed geotechnical investigations, described in the Revised Sediment/Bank PDI Work Plan, have not been and will not be conducted. Instead, GE is proposing to modify the geotechnical investigation program. That modified program is described in the *Supplemental Data Collection Work Plan*, which is Appendix I to the Conceptual RD/RA Work Plan and is discussed further in Section 3.

2.6.1 Vane Shear Testing

Vane shear testing is a test performed in areas comprising fine-grained materials to measure the in situ undrained shear strength of those sediments. Vane shear testing (VST) was performed in the six backwaters in Reach 5A (concurrently with the sediment sample collection in the backwaters) using a hand-held VST apparatus in accordance with the procedures described in the SOP for Vane Shear Testing provided in Appendix H to the Revised Sediment/Bank PDI Work Plan. At each location, the vane was advanced into the subsurface to the desired testing depth, and torque was slowly and incrementally applied manually until the soil failed in shear. The torque applied during the VST was recorded throughout the test to determine peak and residual shear strength of the soil. A one-inch (25.4 millimeter)-diameter vane was used for all tests at all locations.

VST was performed at a total of 68 locations across the six backwaters in Reach 5A; VST locations are shown on Figures 2-18a through 2-18e. Tests were attempted only at depths where sediments were expected to be cohesive and of a relative consistency to be within the limits of the testing device and equipment. Because VST results are highly influenced by the presence of granular material (e.g., sand and gravel) or vegetation (e.g., roots and plant matter), field VSTs were not performed in areas that appeared to contain significant granular components or were observed to have significant amounts of vegetation.

The peak and residual shear strengths were recorded at each testing depth interval. Tests were conducted at depths ranging from one to five feet below ground surface. The undrained peak and residual shear strengths, location ID, and test depths are summarized in Table 2-13. The peak strength of sediment samples ranged from 0 to 13 kilopascals (kPa), with an average of 3.5 kPa. The residual strength of samples ranged from 0 to 10.4 kPa, with an average of 1.6 kPa.

2.6.2 Laboratory Testing of Soil/Sediment Index Properties

As described in Sections 2.2 and 2.3.1, a subset of riverbank soil and sediment samples were selected for analysis of geotechnical index parameters. This included 201 riverbank soil samples and 69 sediment samples (50 from the riverbed and 19 from backwater areas) for a total of 270 samples. Those samples were submitted to SGS Dayton for analysis of geotechnical index parameters, including moisture content (ASTM International [ASTM] D2216), specific gravity (ASTM D854), Atterberg limits (ASTM D4318),¹⁴ particle size (ASTM D6913), and dry bulk density (ASTM D7263). Results of all tests are summarized in Tables E-1, E-3, and E-5 in Appendix E, and the minimum, maximum, and average for each parameter are presented in Table 2-14. A narrative discussion of the tests and results is provided in the following subsections.

Table 2-14
Summary of Geotechnical Index Parameter Testing Results

Geotechnical Analyses		Dry Bulk Density (lb/ft ³)	Moisture Content (%)	Specific Gravity	Grain Size (% by weight)		
					Gravel	Sand	Total Fines
Riverbank Soil	Number of Samples	20	191	20	201		
	Minimum	14	7.3	1.5	0	23	2.9
	Average	53	45	1.8	1.8	68	31
	Maximum	87	117	2.2	47	95	77
Main Channel Sediment	Number of Samples	7	45	-	50		
	Minimum	57	13	-	0.0	1.6	1.1
	Average	87	26	-	8.7	84	6.5
	Maximum	110	49	-	49	99	98
Backwater Sediment	Number of Samples	1	14	-	19		
	Minimum	35	28	-	0.0	22	3.0
	Average	35	87	-	3.0	54	43
	Maximum	35	237	-	23	96	78

¹⁴ SGS subcontracted WSP USA to perform analysis of Atterberg limits.

2.6.2.1 Moisture Content

Moisture content (ASTM D2216) is a measure of how much water is contained in a sediment or soil matrix, and it is defined as the ratio of the weight of water to the weight of solids, reported as a percentage. In total, 191 riverbank soil samples and 61 sediment samples (47 from the riverbed and 14 from backwater areas) were analyzed for moisture content. The average moisture contents were 45% (ranging from 7.3% to 117%) for riverbank soils, 26% (ranging from 13% to 49%) for riverbed sediments, and 87% (ranging from 28% to 237%) for backwater area sediments.

2.6.2.2 Particle Size

Sieve analysis (ASTM D6913) measures the particle size distribution of a sample by passing it through a series of increasingly finer sieves and recording the amount of material retained on each respective sieve. Sieve analysis was conducted on 201 soil samples and 69 sediment samples (50 from the riverbed and 19 from backwater areas). Soil samples had an average particle size distribution (reported as percent by weight) of 31% fines, 68% sand, and 1.8% gravel, with only 18 of 201 samples including 5% or greater gravel content. Riverbed sediment samples had an average particle size distribution of 6.5% fines, 84% sand, and 8.7% gravel. Backwater area sediment samples had an average particle size distribution of 43% fines, 54% sand, and 3% gravel.

2.6.2.3 Atterberg Limits

Atterberg limit testing (ASTM 4318) is used to evaluate the relationship between moisture content and behavior type (state) for a given fine-grained soil. This testing consists of determining the liquid limit and plastic limit of the material passing a No. 40 sieve (0.42 millimeter), with the liquid limit corresponding to the moisture content at which the soil state transitions from plastic to liquid, and the plastic limit corresponding to the moisture content at which the soil state transitions from a semi-solid to plastic. The difference between the liquid and plastic limits is defined as the plasticity index and is a measure of the range of moisture contents within which a soil behaves plastically. Granular materials (e.g., sands and gravels) do not exhibit the same state characteristics and are considered non-plastic. Atterberg Limit testing was conducted on 201 soil and 69 sediment samples (50 from the riverbed and 19 from backwater areas), all of which were found to be non-plastic.

2.6.2.4 Specific Gravity

Specific gravity testing was conducted on 20 riverbank soil samples in accordance with ASTM D854 standards. The specific gravity of a material is the ratio of its unit weight to that of water and is dependent on the minerals that make up the soil matrix. Results ranged from 1.5 to 2.2 with an average of 1.8.

2.6.2.5 Dry Bulk Density

The dry bulk density (ASTM D7263/D2974) of a soil or sediment sample is defined as the weight of solids, such as soil particles or organics, in a unit volume of material. Dry bulk density testing was

also conducted on the 20 riverbank soil samples and eight sediment samples (seven from the riverbed and one from backwater areas). Soil samples had an average dry bulk density of 53 pounds per cubic foot (pcf) and ranged from 14 to 87 pcf. Riverbed sediment samples had an average dry bulk density of 87 pcf and ranged from 57 to 110 pcf. The backwater area sediment sample had a dry bulk density of 35 pcf.

2.6.3 Seepage-Induced Consolidation Testing

The seepage-induced consolidation (SIC) test is a measure of compressibility and provides a relationship between the void ratio of the sample and the load applied, as well as the relationship between the permeability and the void ratio. The SIC test is well suited to very soft, highly compressible sediments, soils, or slurries and allows for measurements in the low effective stress range. The SIC test was chosen for the PDI due to the very soft nature of the sediments in the six backwaters in Reach 5A.

The required sample size for this test is one to two liters of sediment (containing at least one kilogram of dry mass). The required sediment volume was obtained from each backwater using a hand auger, and the collected sediment was placed into a high-density polyethylene container for shipment. One sediment sample was collected from each of the six backwaters between November 8 and December 5, 2022. The six individual containers were held and shipped collectively to the laboratory performing the test (ZG-Geo, Ltd., located in Broomfield, Colorado) on December 15, 2022. The shipment also included approximately four to five liters of river water to be used for the SIC testing.

The test is performed by homogenizing a sample and initially consolidating it under its own weight. After initial consolidation, the sample is loaded using a seepage force at a controlled rate until a steady state is reached. Lastly, the sample is consolidated under the maximum desired stress level. The void ratios are measured initially at approximately 0.1 kPa (two pounds per square foot) and then at approximately 1.0, 10, and 100 kPa (20, 200, and 2,000 pounds per square foot) during the test, and a nonlinear relationship is determined between void ratio and effective stress, which can be plotted on an x-y graph.

Results of the testing are summarized in Table 2-15 and provided in a report prepared by ZG-Geo in Appendix G. In summary, four of the samples were identified to be silty sand, one was sandy silt, and one was well-graded sand with silt. The initial water contents of the six samples ranged from 40% to 108%, the specific gravity of the samples ranged from 2.49 to 2.61, and the initial void ratios ranged from 1.04 to 2.69. Graphical representations of the reduction of both void ratio and permeability with increasing effective stress are provided in the ZG-Geo report. The results of the SIC testing will be used to develop estimates of consolidation settlement that may occur in the backwater areas if subject to new loads.

3 Concurrent Submittals and Upcoming Activities

As described in Sections 1.1 and 1.5, GE has completed most of the PDI activities in Reach 5A as of July 2023. While certain elements of the PDI have not been completed (i.e., continued recording of hydraulic head and completion of the bank erosion rate assessment), GE determined that the data collected through July 2023 were sufficient to proceed with preparation of this PDI Summary Report and the Conceptual RD/RA Work Plan (which are being submitted concurrently). The *Supplemental Data Collection Work Plan* (included as Appendix I to the Conceptual RD/RA Work Plan) describes the additional data sets to be collected to support preparation of the Final RD/RA Work Plan for Reach 5A, and it also includes a brief description of the PDI activities that remain to be completed (identified above).¹⁵ GE will proceed with the remaining PDI activities described in the Revised Sediment/Bank PDI Work Plan, and following EPA approval of the *Supplemental Data Collection Work Plan*, GE will conduct that supplemental data collection. The results of those additional investigative activities will be provided in a Supplemental Data Collection Report and will be taken into account in the Final RD/RA Work Plan for Reach 5A.

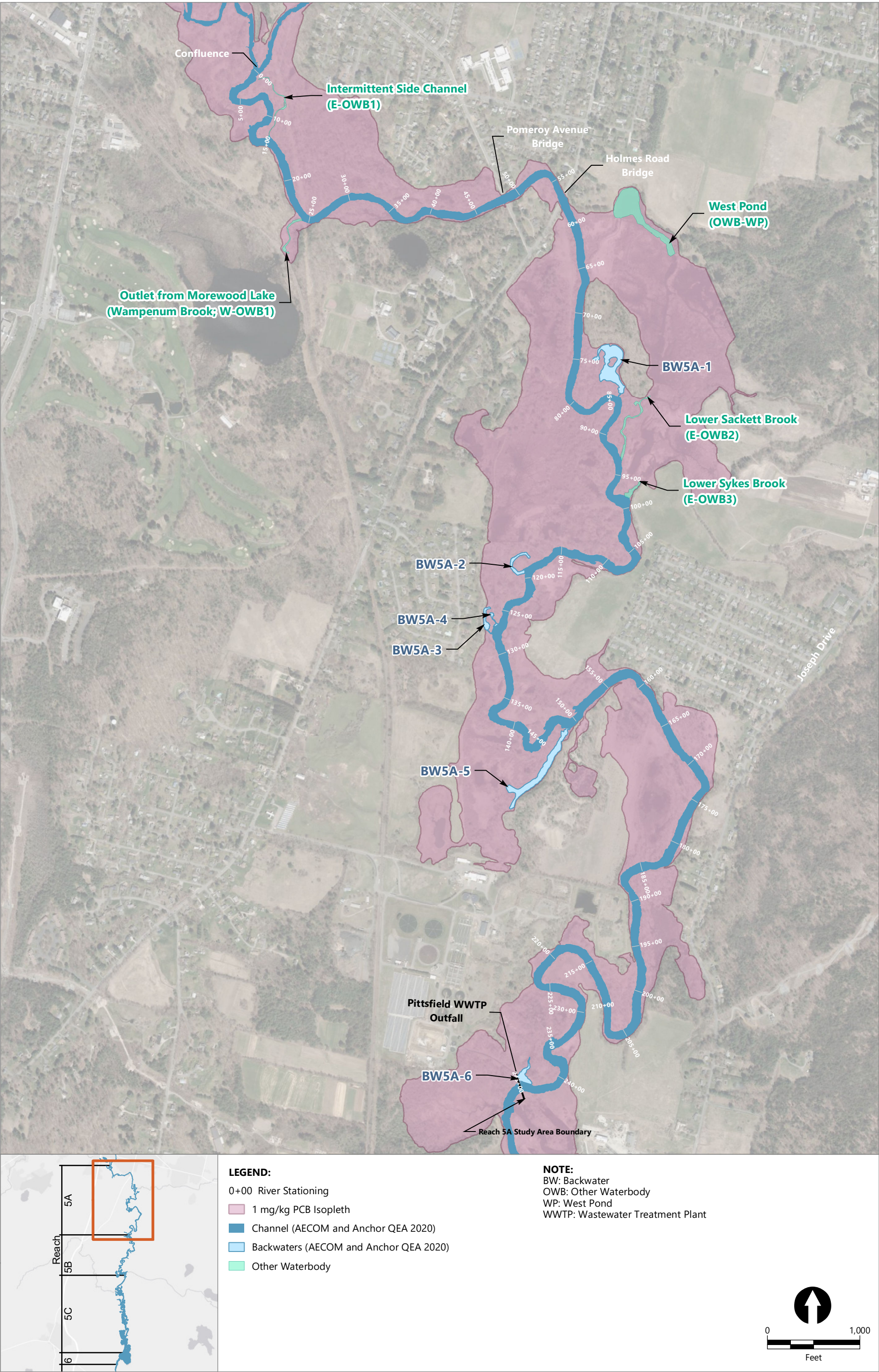
¹⁵ As noted above, the previously proposed Phases 2 through 4 of the geotechnical investigation will not be conducted as they have been superseded by a modified geotechnical program, described in the *Supplemental Data Collection Work Plan*.

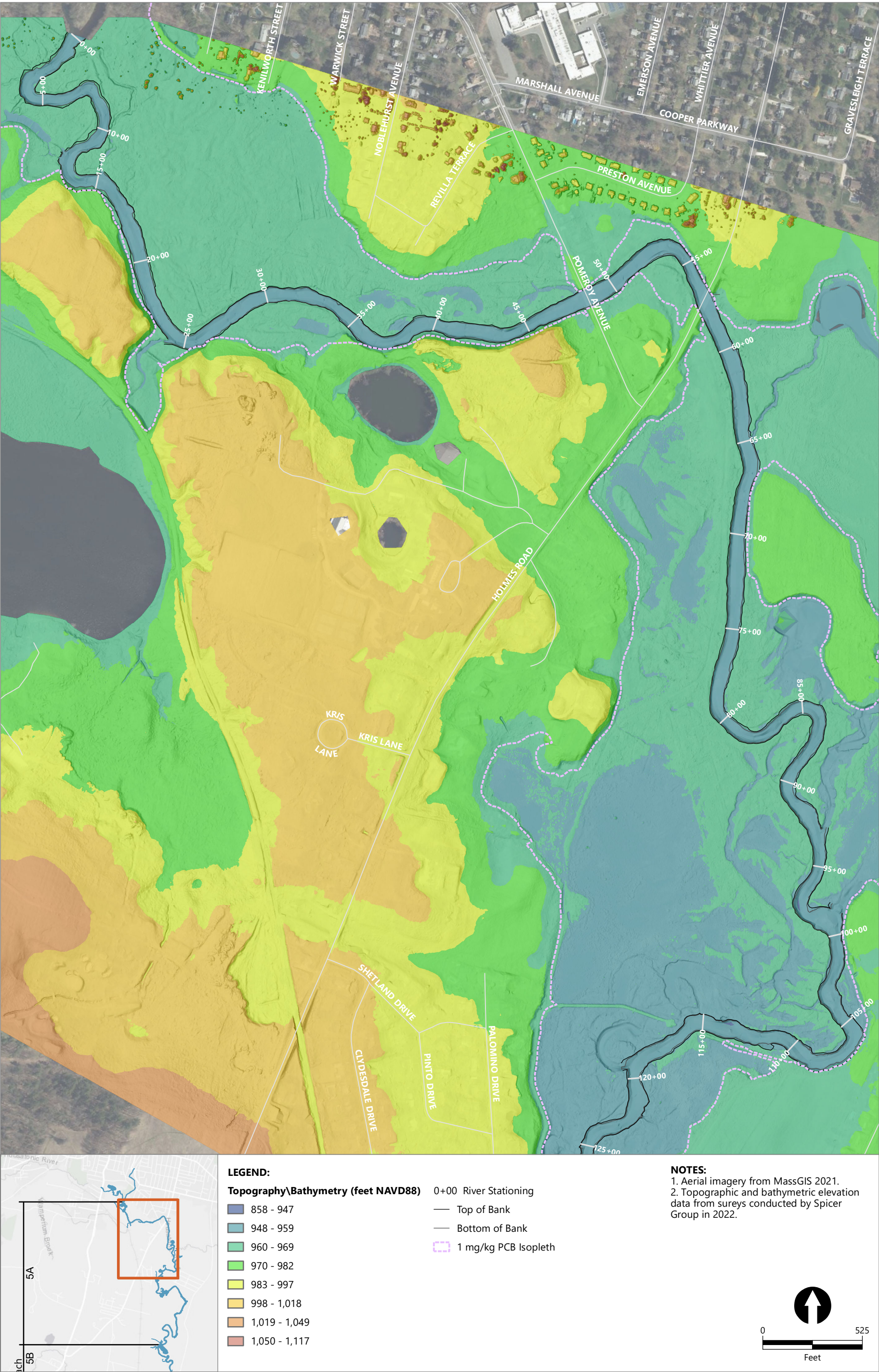
4 References

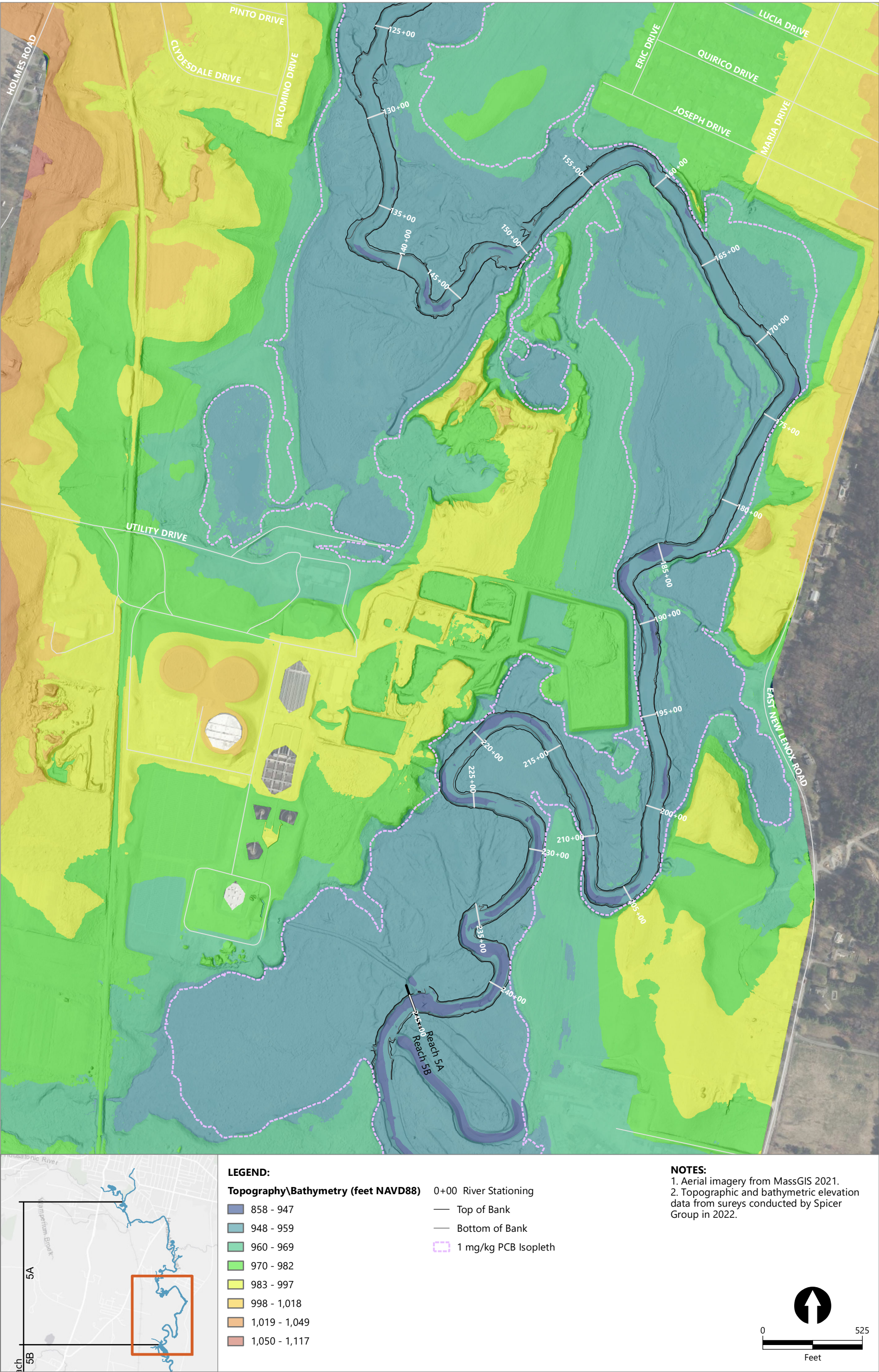
- AECOM and Anchor QEA, 2020. *Housatonic River – Rest of River, Reach 5A Floodplain Pre-Design Investigations: Final Morphology and Accessibility Survey Report*. Revised July 16, 2020.
- Anchor QEA and AECOM, 2021. *Pre-Design Investigation Work Plan for Reach 5A Sediment and Riverbanks*. Housatonic River – Rest of River. Prepared for General Electric Company. September 27, 2021.
- Anchor QEA and AECOM, 2022. *Revised Pre-Design Investigation Work Plan for Reach 5A Sediment and Riverbanks*. Housatonic River – Rest of River. Prepared for General Electric Company. May 2, 2022.
- BBL and QEA, 2003. *Housatonic River – Rest of River, RCRA Facility Investigation Report*. Prepared for General Electric Company, Pittsfield, Massachusetts. September 2003.
- De Bruijn, J., F. Busser, W. Seinen, and J. Hermens, 1989. "Determination of Octanol/water Partition Coefficients for Hydrophobic Organic Chemicals with the 'Slow-Stirring' Method." *Environmental Science and Technology* 8(6):499–512.
- EPA (U.S. Environmental Protection Agency), 2005. *Human Health Risk Assessment, GE/Housatonic River Site, Rest of River*. Prepared by Weston Solutions, West Chester, Pennsylvania. February 2005.
- EPA, 2009. May 2009 BEHI Photographic Log. Housatonic River – Rest of River. SDMS Document ID 522382. May 2009.
- EPA and GE (General Electric Company), 2000. Consent Decree (CD) in *United States of America, State of Connecticut, and Commonwealth of Massachusetts v. General Electric Company*, Civil Action Nos. 99-30225, 99-30226, 99-30227-MAP, entered by the United States District Court for the District of Massachusetts. October 27, 2000.
- Fagervold, S.K., Y. Chai, J.W. Davis, M. Wilken, G. Cornelissen, and U. Ghosh. 2010. "Bioaccumulation of polychlorinated dibenzo-p-dioxins/dibenzofurans in *E. fetida* from floodplain soils and the effect of activated carbon amendment." *Environmental Science and Technology* 44:5546–5552.
- Ghosh, U., S.K. Driscoll, R.M. Burgess, M.T.O. Jonker, D.D. Reible, F. Gobas, Y. Choi, S.E. Apitz, K.A. Maruya, W.R. Gala, M. Mortimer, and C. Beegan, 2014. "Passive Sampling Methods for Contaminated Sediments: Practical Guidance for Selection, Calibration, and Implementation." *Integrated Environmental Assessment and Management* 10(2):210–223.

- Hawker, D.W., and D.W. Connell, 1988. "Octanol-Water Partition Coefficients of Polychlorinated Biphenyl Congeners." *Environmental Science and Technology* 22:382–387.
- Joyce, A.S., L.A. Fernandez, and R. M. Burgess, 2020. "In Situ Investigation of Performance Reference Compound-Based Estimates of PCB Equilibrated Passive Sampler Concentrations and C_{free} in the Marine Water Column." *Environmental Toxicology and Chemistry* 39(6):1165–73.
- Lampert, D.J., C. Thomas, and D.D. Reible, 2015. "Internal and External Transport Significance for Predicting Contaminant Uptake Rates in Passive Samplers." *Chemosphere* 119:910–916.
- OECD, 2006. *Test No. 123: Partition Coefficient (1-Octanol/Water): Slow-Stirring Method*. OECD Guidelines for the Testing of Chemicals.
- Michalsen, M.M., A.J. Kennedy, G.R. Lotufo, K. Kerns, A. Suess, M. Lin, M. Mill, M. Lambert, D.D. Reible, M. Rakowska, A. Odetayo, U. Ghosh, M. Bokare, P.M. Gschwend, and J.K. MacFarlane, 2021. *Standardizing Polymeric Sampling Method for Measuring Freely-Dissolved Organic Contaminants in Sediment Porewater*. Final technical report to the Department of Defense Environmental Security Technology Certification Program, project ER-201735.
- RIVERMorph, 2021. "RIVERMorph: Stream Restoration Software." Last modified: 2021. Accessed: September 2021. Available at: www.rivermorph.com.
- Rosgen, D., 2006. *Watershed Assessment of River Stability and Sediment Supply*. Wildland Hydrology, Fort Collins, Colorado.
- Smedes, F., R.W. Geertmas, T. van der Zande, and K. Booij, 2009. "Polymer–Water Partition Coefficients of Hydrophobic Compounds for Passive Sampling: Application of Cosolvent Models for Validation." *Environmental Science and Technology* 43(18):7047–7054.
- van der Heijden, S.A., M.T.O. Jonker, 2009. "PAH Bioavailability in Field Sediments: Comparing Different Methods for Predicting In Situ Bioaccumulation." *Environmental Science and Technology* 43(10):3757–3763.
- Weston Solutions, Inc., 2014. GE-Pittsfield/Housatonic River Project, Task Order 2. W.O. No. 20502.169.095.0270. Derivation of Removal Volumes and Removal Acreages for SED 9/FP 4 MOD. Memorandum to EPA. May 15, 2014.

Figures









0 150 300 600
Feet

INDEX MAP

Legend

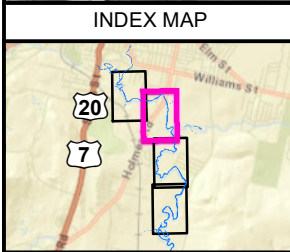
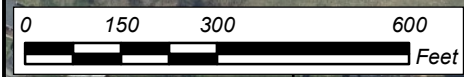
- Riverbank Field Evaluation Location
- Riverbank Field Evaluation and Toe Pin Location
- Thalweg
- River Station
- Erodibility Line Break
- R017 NBS Bank Segment Label

Reach 5A
Riverbank Sections Based
On Erodibility Field Assessment
Housatonic River - Pittsfield, MA

SCALE	DATE	PROJECT NO.
1:3,600	9/26/2023	60670015

AECOM

Figure 2-2a
Map Sheet 1 of 4



Legend

Riverbank Field Evaluation Location

Riverbank Field Evaluation and Toe Pin Location

Thalweg

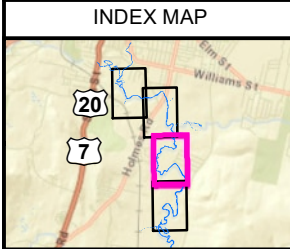
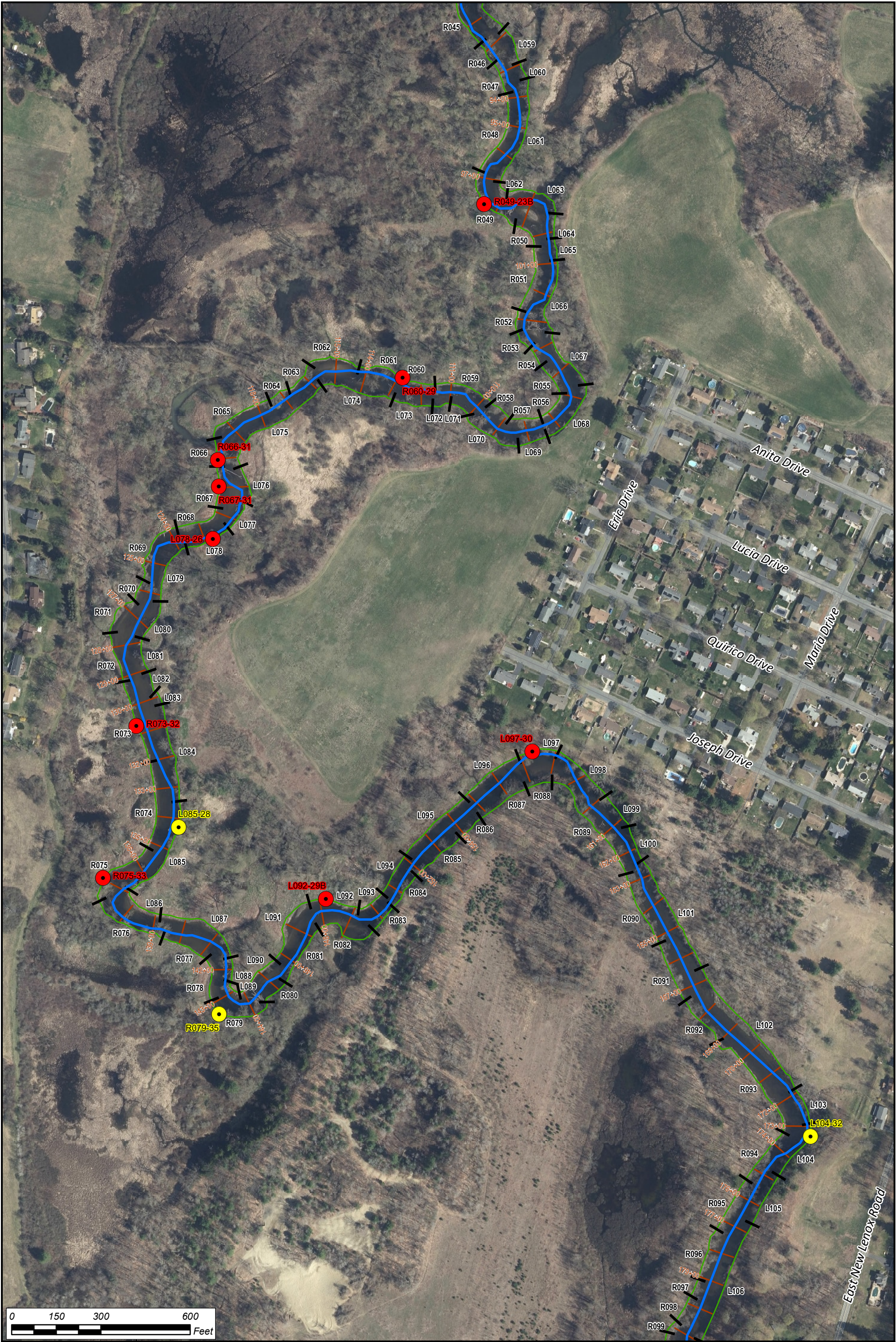
River Station

Erodibility Line Break

R017 NBS Bank Segment Label

Reach 5A Riverbank Sections Based On Erodibility Field Assessment Housatonic River - Pittsfield, MA		
SCALE	DATE	PROJECT NO.
1:3,600	9/26/2023	60670015

Figure 2-2b
Map Sheet 2 of 4



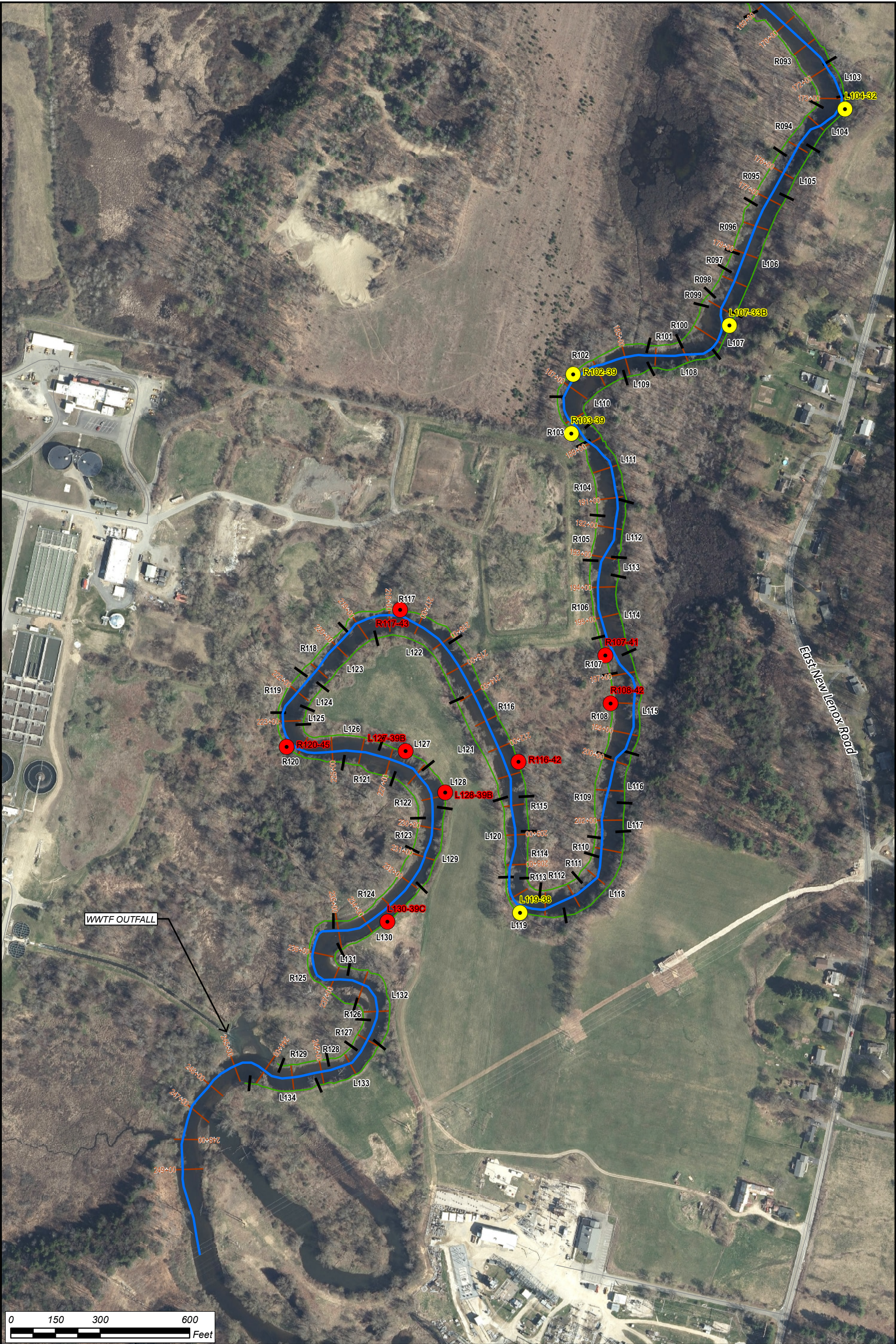
Legend

- Riverbank Field Evaluation Location
- Riverbank Field Evaluation and Toe Pin Location
- Thalweg
- River Station
- Erodibility Line Break
- R017 NBS Bank Segment Label

Reach 5A Riverbank Sections Based On Erodibility Field Assessment Housatonic River - Pittsfield, MA		
SCALE	DATE	PROJECT NO.
1:3,600	9/26/2023	60670015

AECOM

Figure 2-2c
Map Sheet 3 of 4



INDEX MAP

Legend

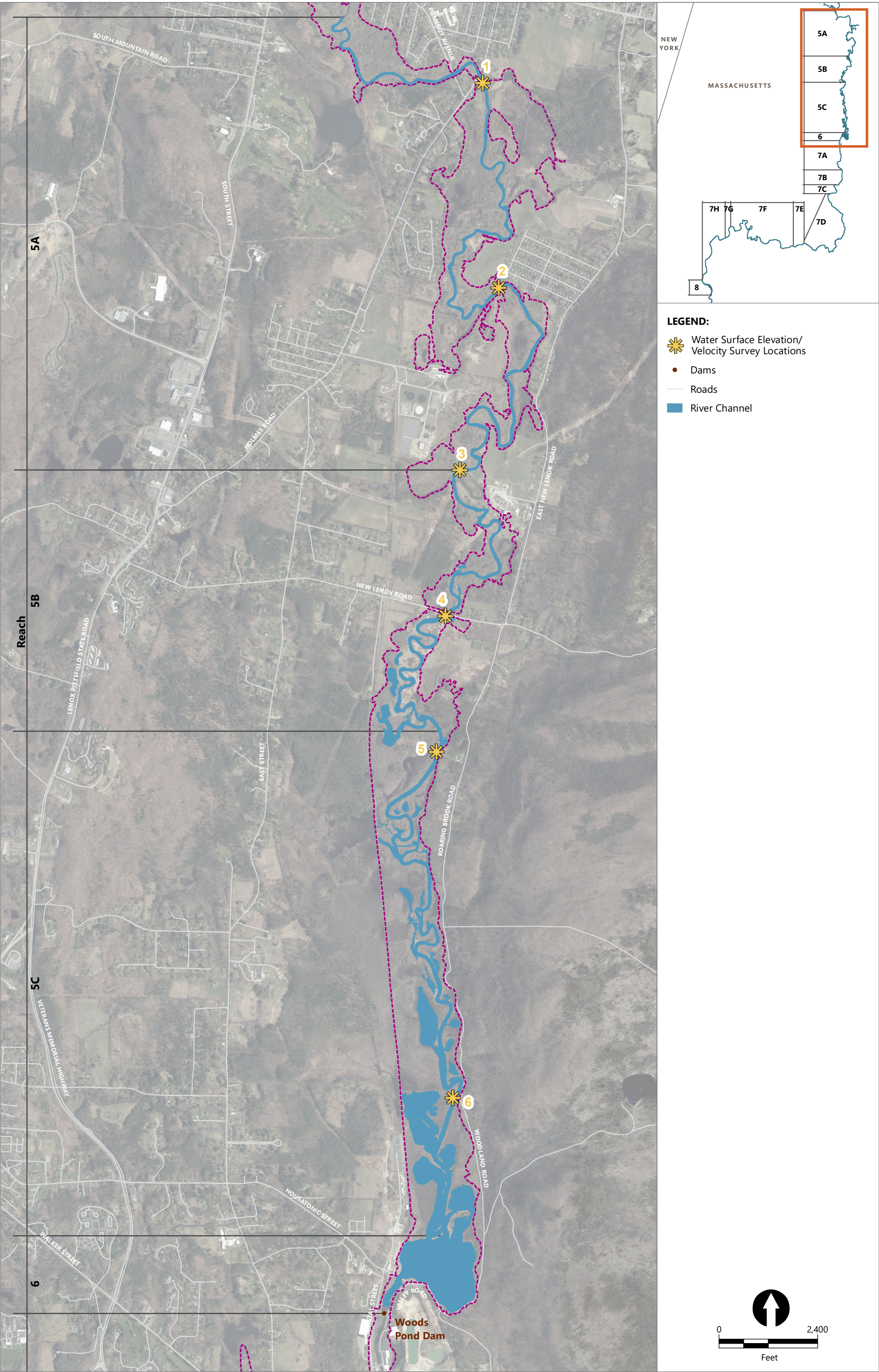
- Riverbank Field Evaluation Location
- Riverbank Field Evaluation and Toe Pin Location
- Thalweg
- River Station
- | Erodibility Line Break

Reach 5A
Riverbank Sections Based
On Erodibility Field Assessment
Housatonic River - Pittsfield, MA

SCALE	DATE	PROJECT NO.
1:3,600	9/26/2023	60670015

AECOM

Figure 2-2d
Map Sheet 4 of 4



Publish Date: 2023/09/22, 12:59 PM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-3_WSE.mxd



Figure 2-3
Water Surface Elevation and Velocity Survey Locations
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River

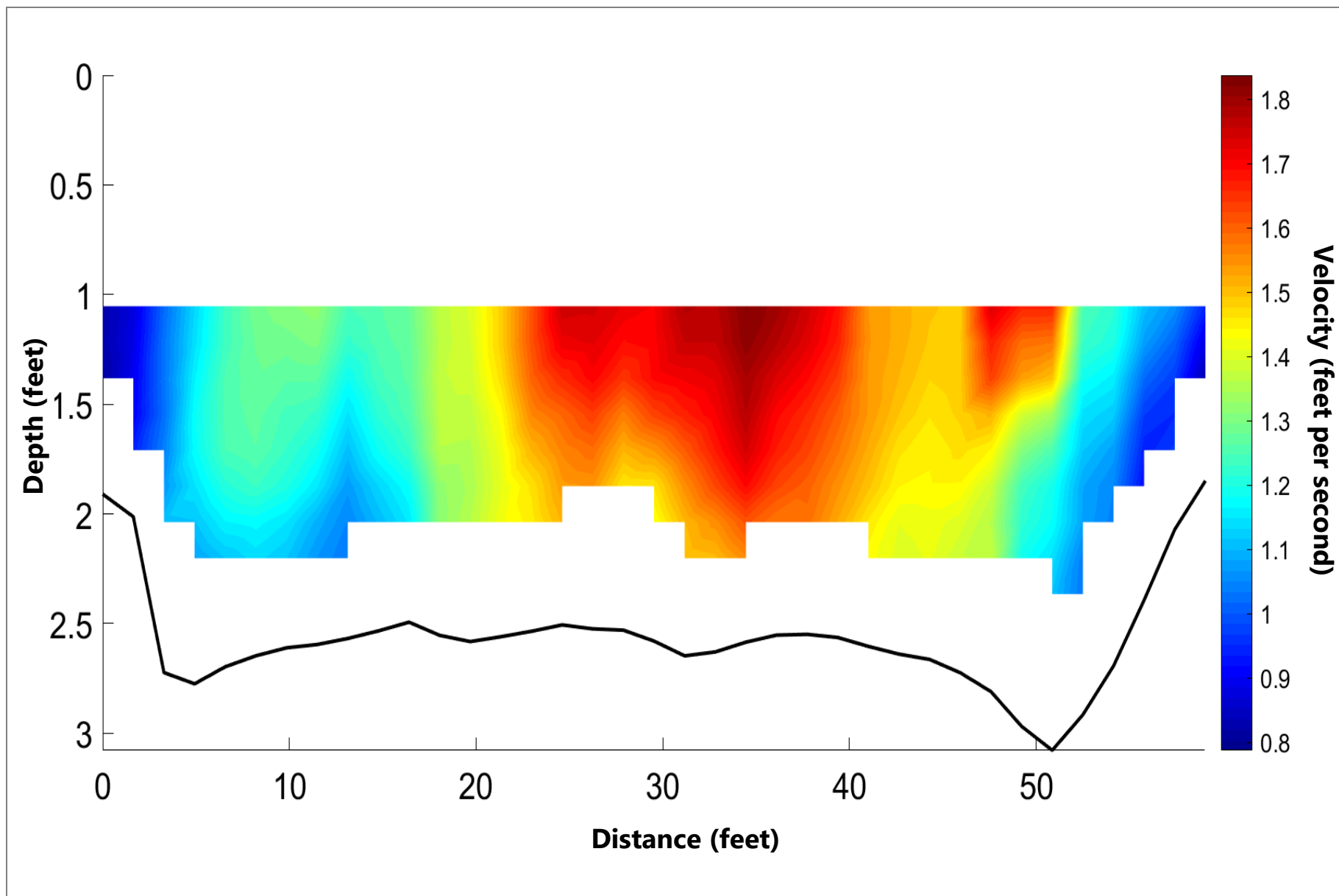
Assembled Survey Vessel



Survey Vessel During PDI Sampling



Note: Survey conducted using a SonTek RiverSurveyor M9 mounted to a remote-controlled survey vessel.



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-5_Velocity Profile at Site 2 During Low-Flow Conditions.docx

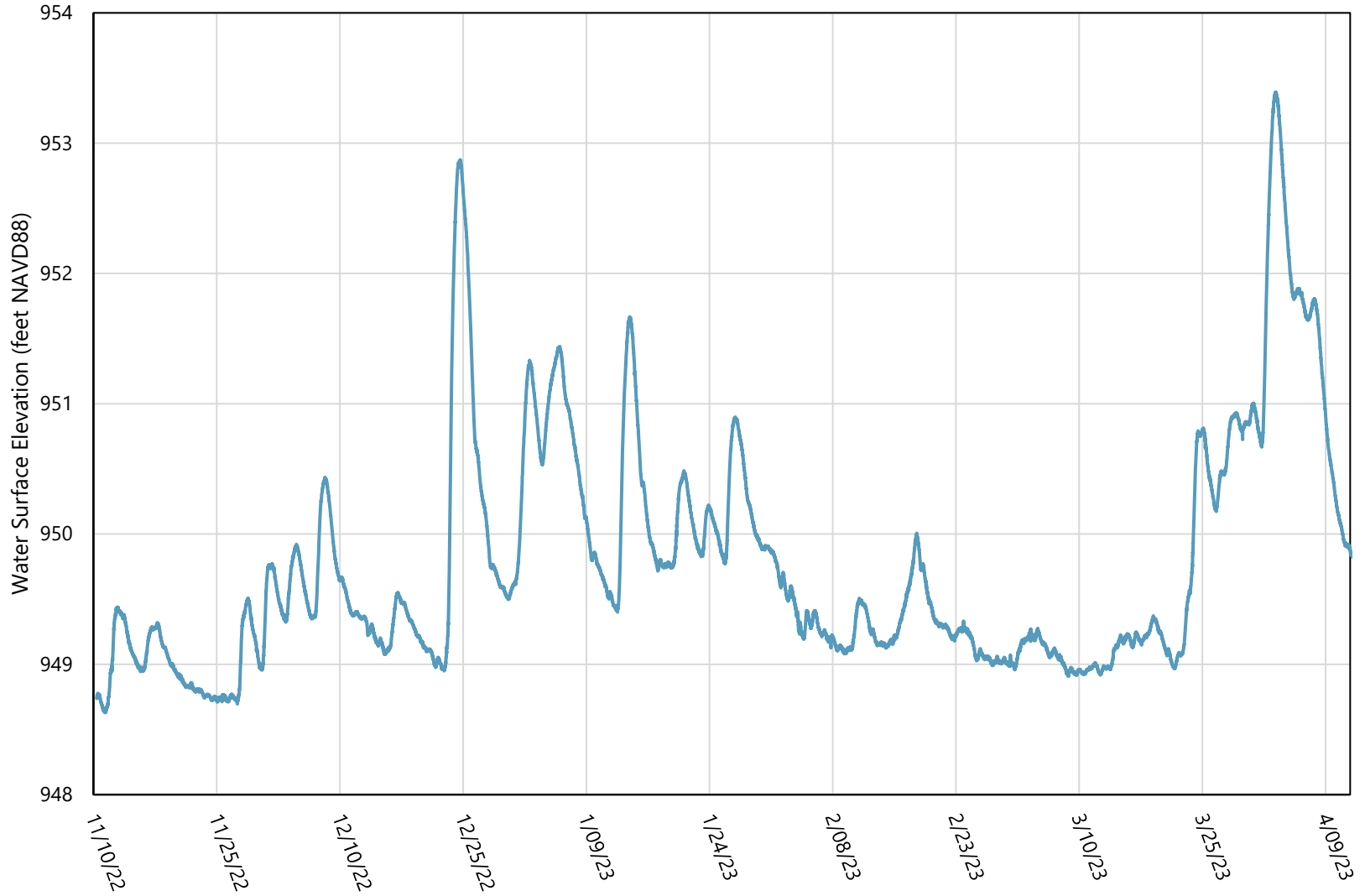


Figure 2-5
Velocity Profile at Site 2 During Low-Flow Conditions
 PDI Summary Report for Reach 5A Sediment and Riverbanks
 Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-6_Water Level Logger Deployment.docx

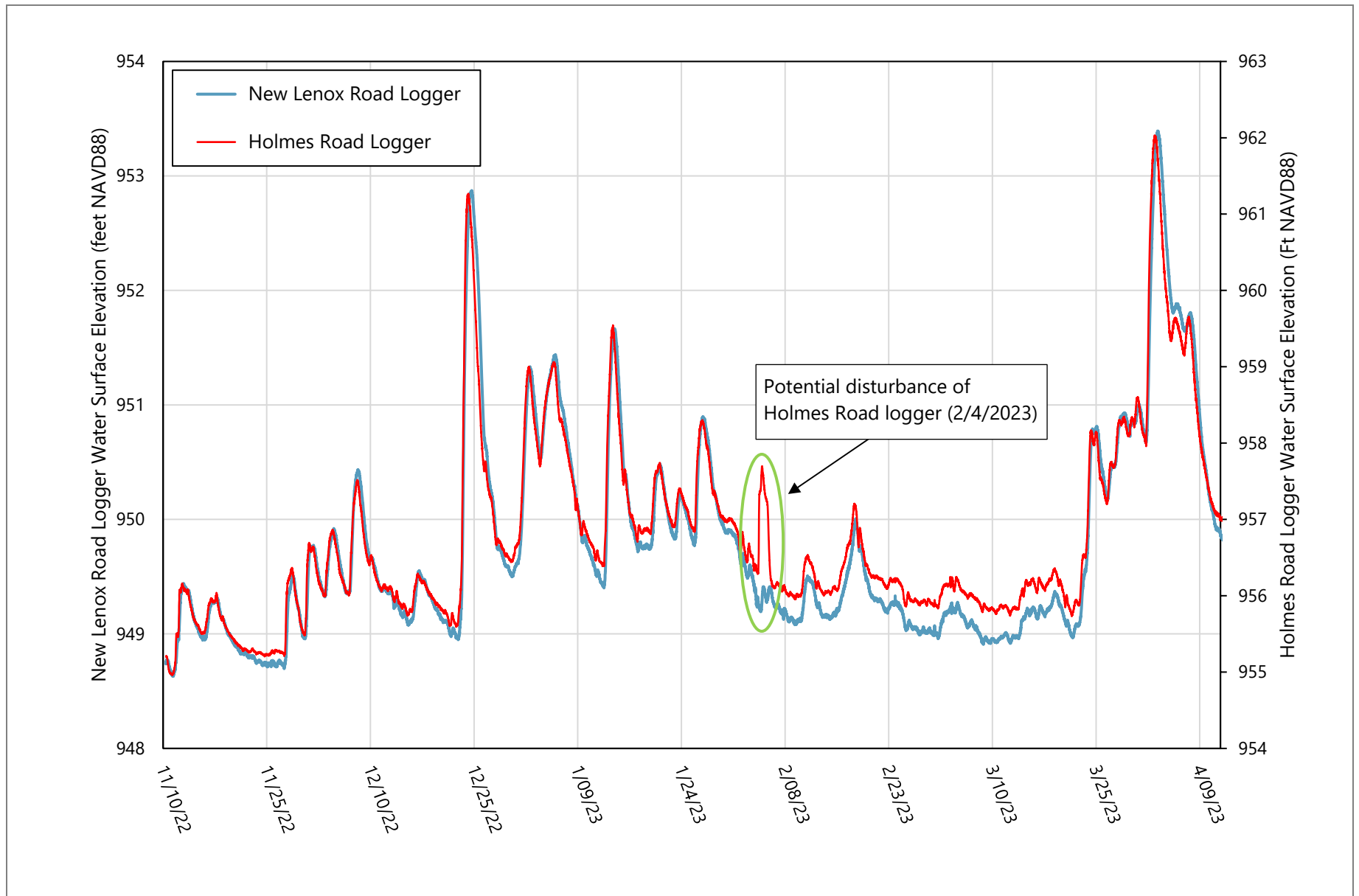
Figure 2-6
Water Level Logger at New Lenox Road Bridge
 PDI Summary Report for Reach 5A Sediment and Riverbanks
 Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-7_New Lenox Bridge Logger Hydrograph.docx



Figure 2-7
New Lenox Road Bridge Logger Hydrograph
 PDI Summary Report for Reach 5A Sediment and Riverbanks
 Housatonic River – Rest of River

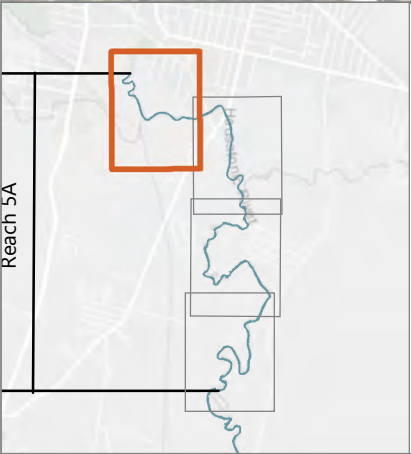
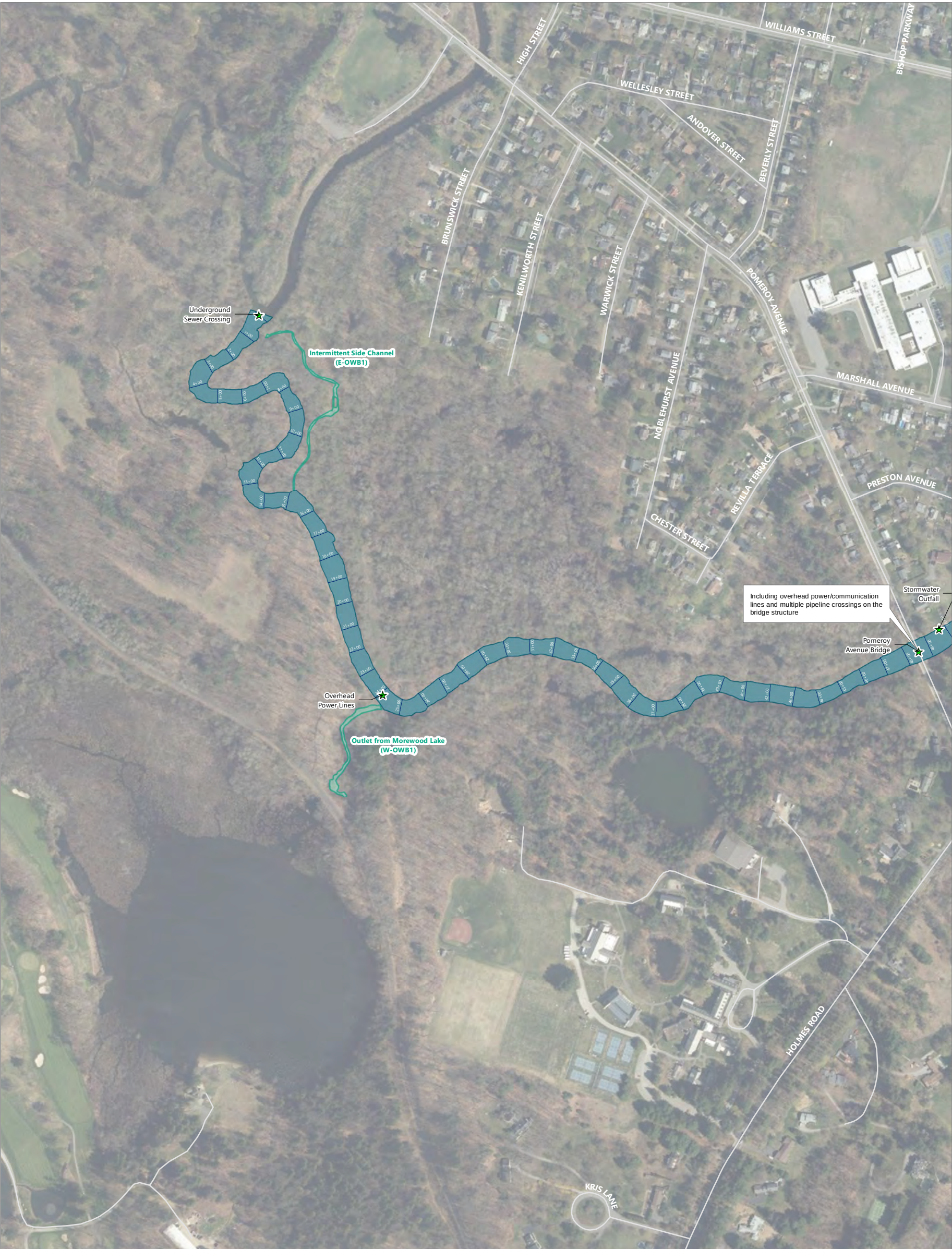


Filepath: https://anchorqea-my.sharepoint.com/personal/cquest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-8_New Lenox and Holmes Logger Comparison.docx



Figure 2-8
New Lenox Road and Holmes Road Logger Comparison

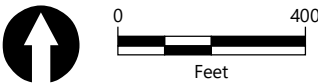
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River

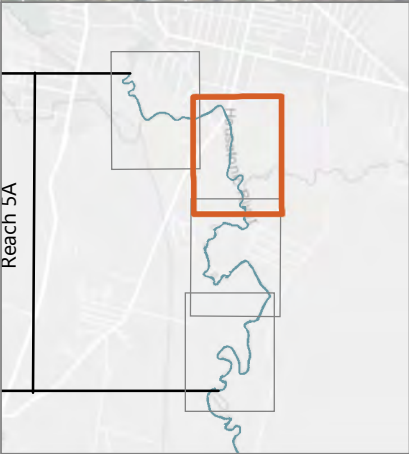


- LEGEND:**
- ★ Observed Structure or Utility
 - Roads
 - 0+00 River Stationing
 - Backwaters (AECOM & Anchor QEA 2020)
 - Other Waterbody
 - River Channel

NOTE:

1. Aerial Imagery from MassGIS, 2021
2. Structures and utilities shown were identified along Reach 5A of the Housatonic River based on observations during 2022 and 2023 pre-design investigation activities. This information should not be construed as wholly complete or a line of evidence.
3. Structure and utility locations are approximate and shall be field verified.
4. Any excavation (including pre-marking and notifications) shall be conducted in accordance with 220 CMR 99.00 and Massachusetts General Law (M.G.L.), Chapter 82, Sections 40 through 40E, also known as the "Dig Safe" law.

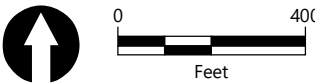


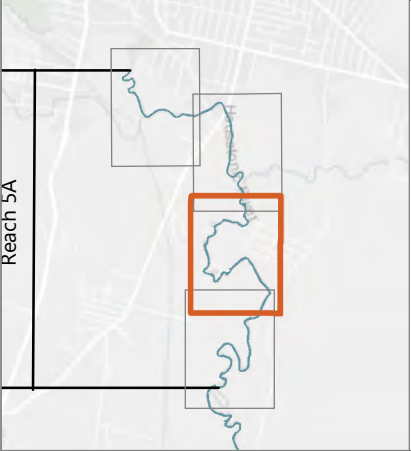
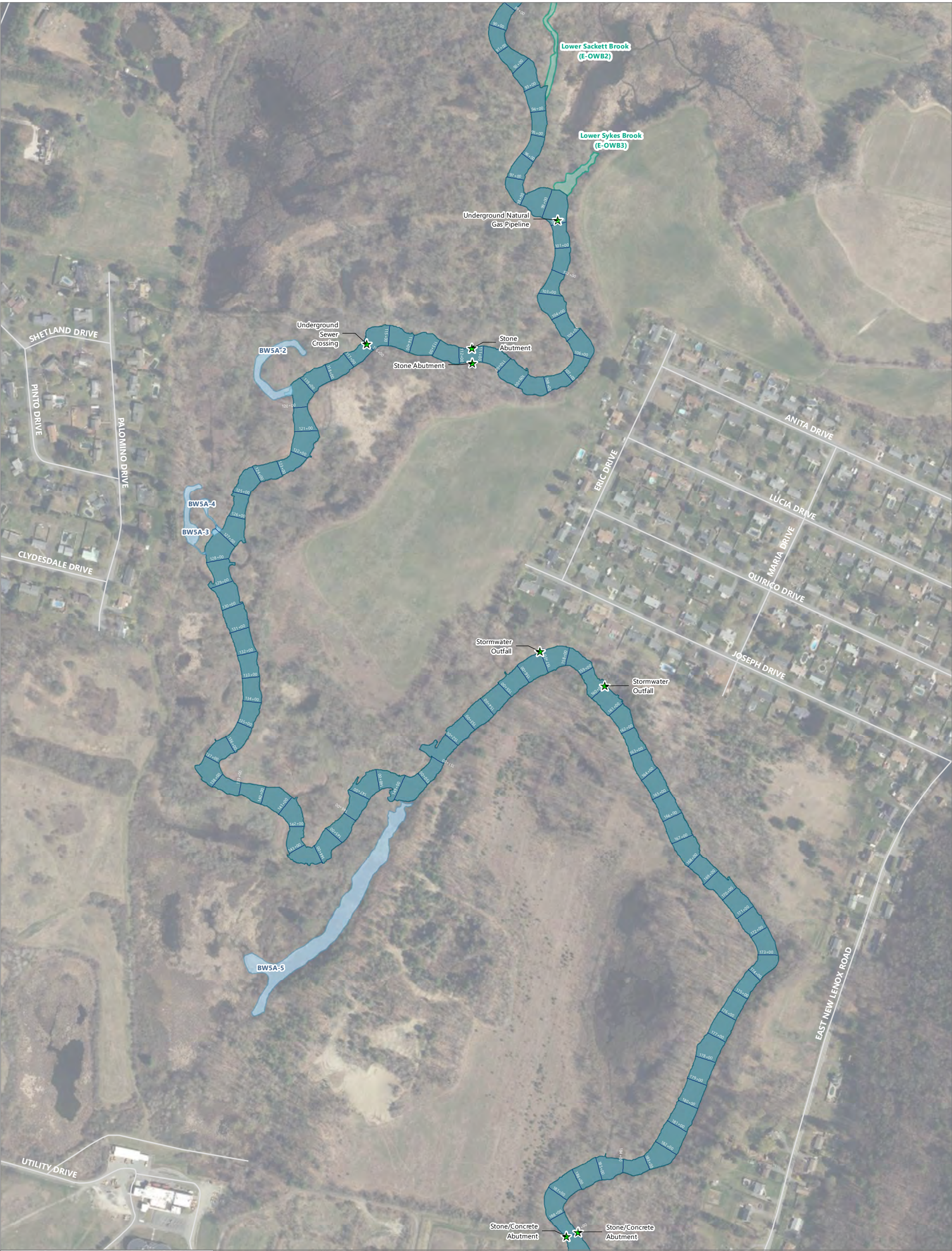


- LEGEND:**
- ★ Observed Structure or Utility
 - Roads
 - 0+00 River Stationing
 - Backwaters (AECOM & Anchor QEA 2020)
 - Other Waterbody
 - River Channel

NOTE:

1. Aerial Imagery from MassGIS, 2021
2. Structures and utilities shown were identified along Reach 5A of the Housatonic River based on observations during 2022 and 2023 pre-design investigation activities. This information should not be construed as wholly complete or a line of evidence.
3. Structure and utility locations are approximate and shall be field verified.
4. Any excavation (including pre-marking and notifications) shall be conducted in accordance with 220 CMR 99.00 and Massachusetts General Law (M.G.L.), Chapter 82, Sections 40 through 40E, also known as the "Dig Safe" law.

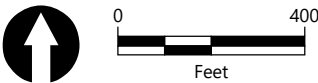


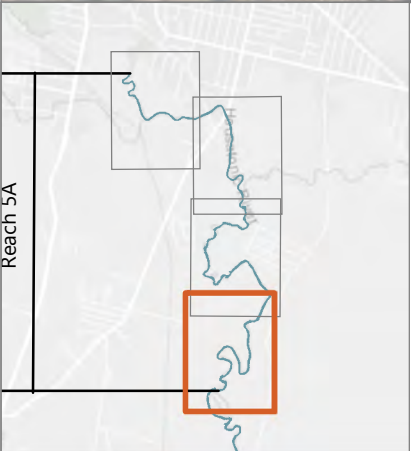
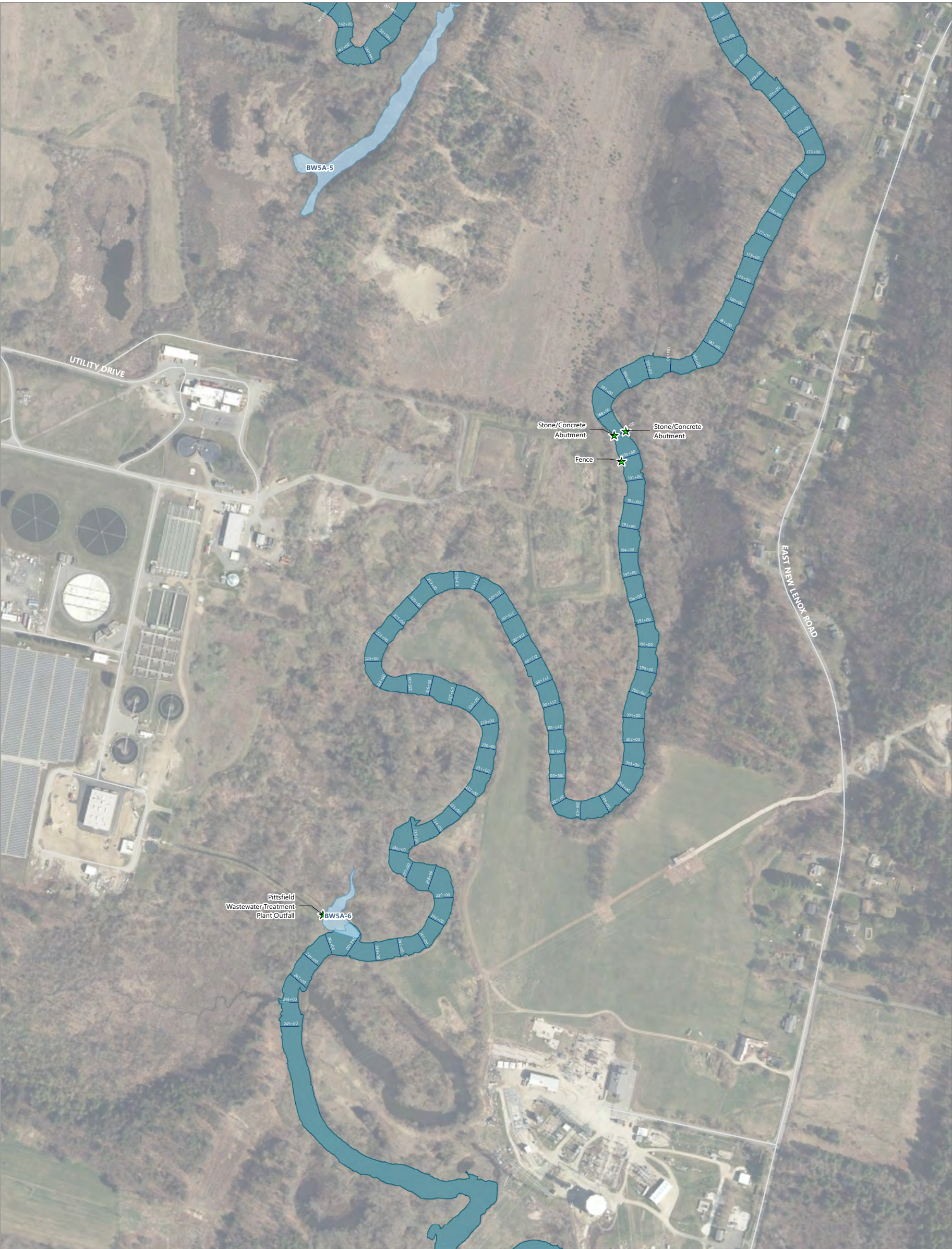


- LEGEND:**
- ★ Observed Structure or Utility
 - Roads
 - 0+00 River Stationing
 - Backwaters (AECOM & Anchor QEA 2020)
 - Other Waterbody
 - River Channel

NOTE:

1. Aerial Imagery from MassGIS, 2021
2. Structures and utilities shown were identified along Reach 5A of the Housatonic River based on observations during 2022 and 2023 pre-design investigation activities. This information should not be construed as wholly complete or a line of evidence.
3. Structure and utility locations are approximate and shall be field verified.
4. Any excavation (including pre-marking and notifications) shall be conducted in accordance with 220 CMR 99.00 and Massachusetts General Law (M.G.L.), Chapter 82, Sections 40 through 40E, also known as the "Dig Safe" law.

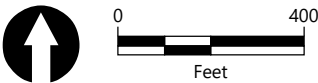


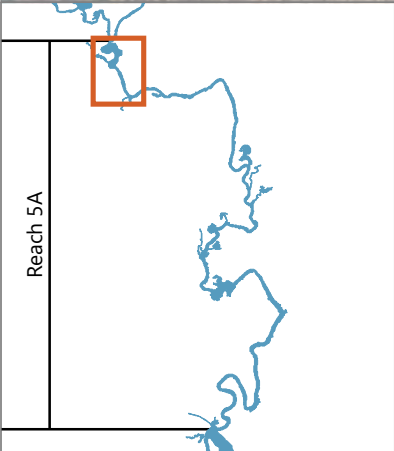
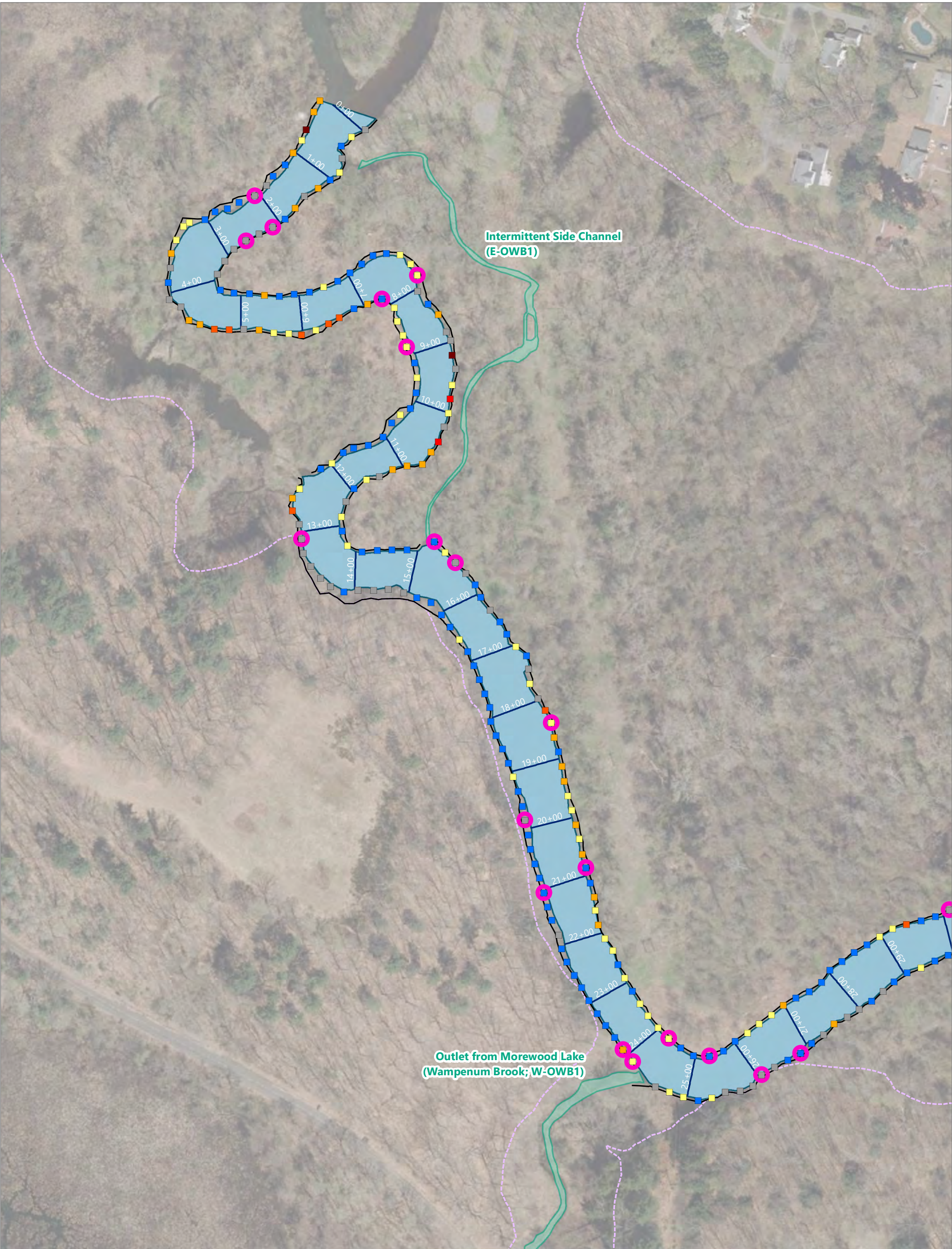


- LEGEND:**
- ★ Observed Structure or Utility
 - Roads
 - 0+00 River Stationing
 - Backwaters (AECOM & Anchor QEA 2020)
 - Other Waterbody
 - River Channel

NOTE:

1. Aerial Imagery from MassGIS, 2021
2. Structures and utilities shown were identified along Reach 5A of the Housatonic River based on observations during 2022 and 2023 pre-design investigation activities. This information should not be construed as wholly complete or a line of evidence.
3. Structure and utility locations are approximate and shall be field verified.
4. Any excavation (including pre-marking and notifications) shall be conducted in accordance with 220 CMR 99.00 and Massachusetts General Law (M.G.L.), Chapter 82, Sections 40 through 40E, also known as the "Dig Safe" law.





LEGEND:

0+00 River Stationing

— Top of Bank

■ River Channel

■ Backwaters

■ Other Waterbody

--- 1 mg/kg PCB Isopleth

● Geotechnical Sampling Location

PDI Riverbank Soil Sample¹

Average Total PCBs (mg/kg)

■ <1

■ 1 – 5

■ 5 – 10

■ 10 – 25

■ 25 – 50

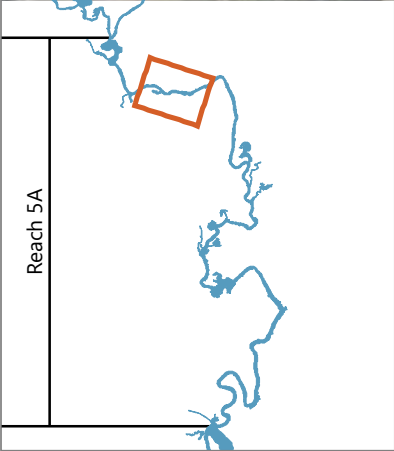
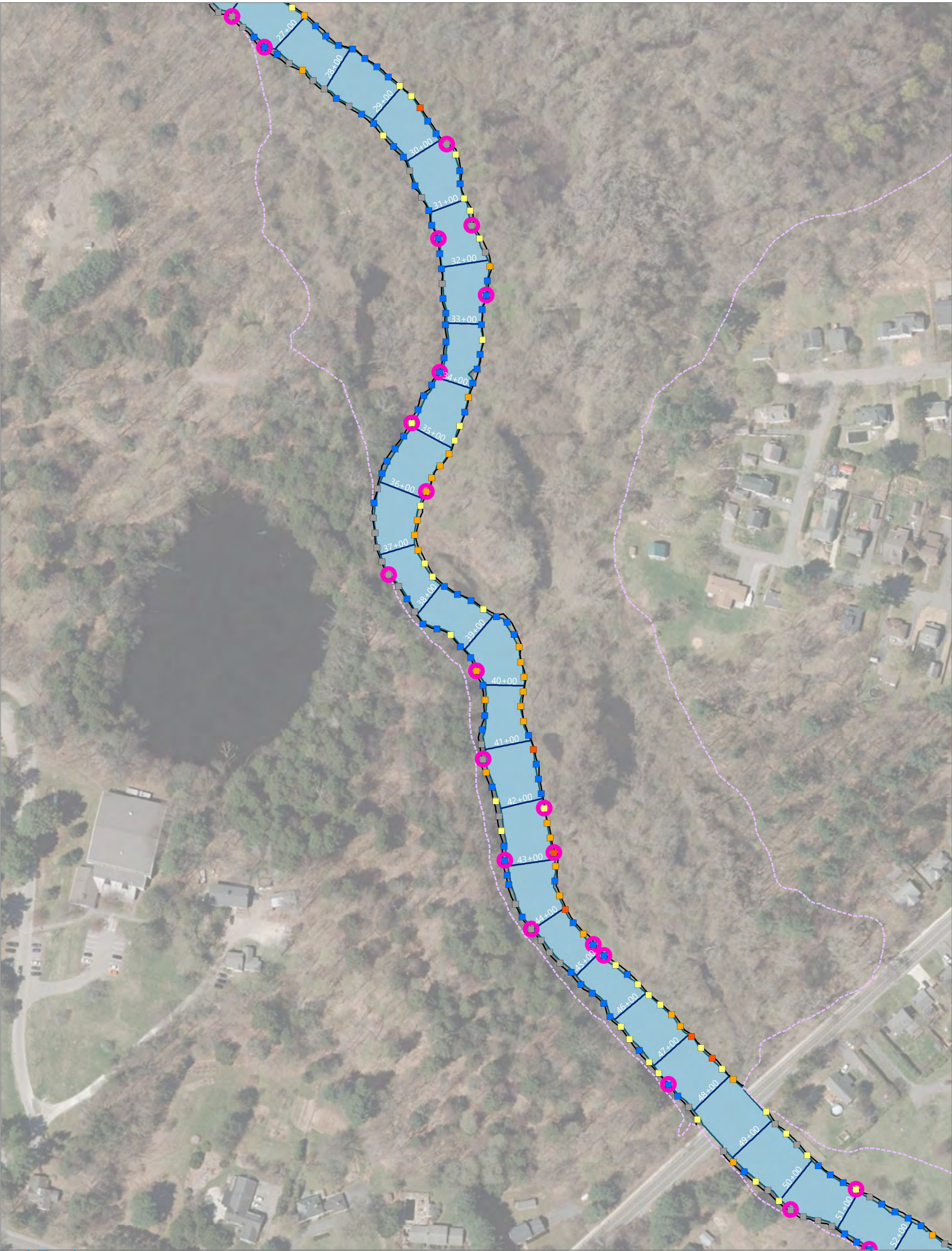
■ 50 – 100

■ > 100

NOTES:

1. The PCB riverbank soil sampling results shown are average concentrations for surficial (0- to 12-inch) samples collected from the toe, midpoint, and top of the riverbank at each location. PDI sampling conducted in 2022 and 2023.

PDI = Pre-Design Investigation



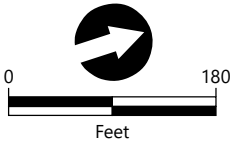
LEGEND:

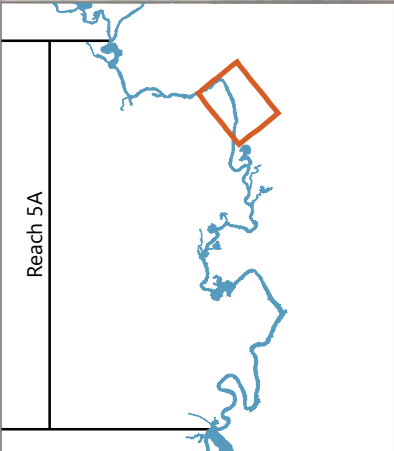
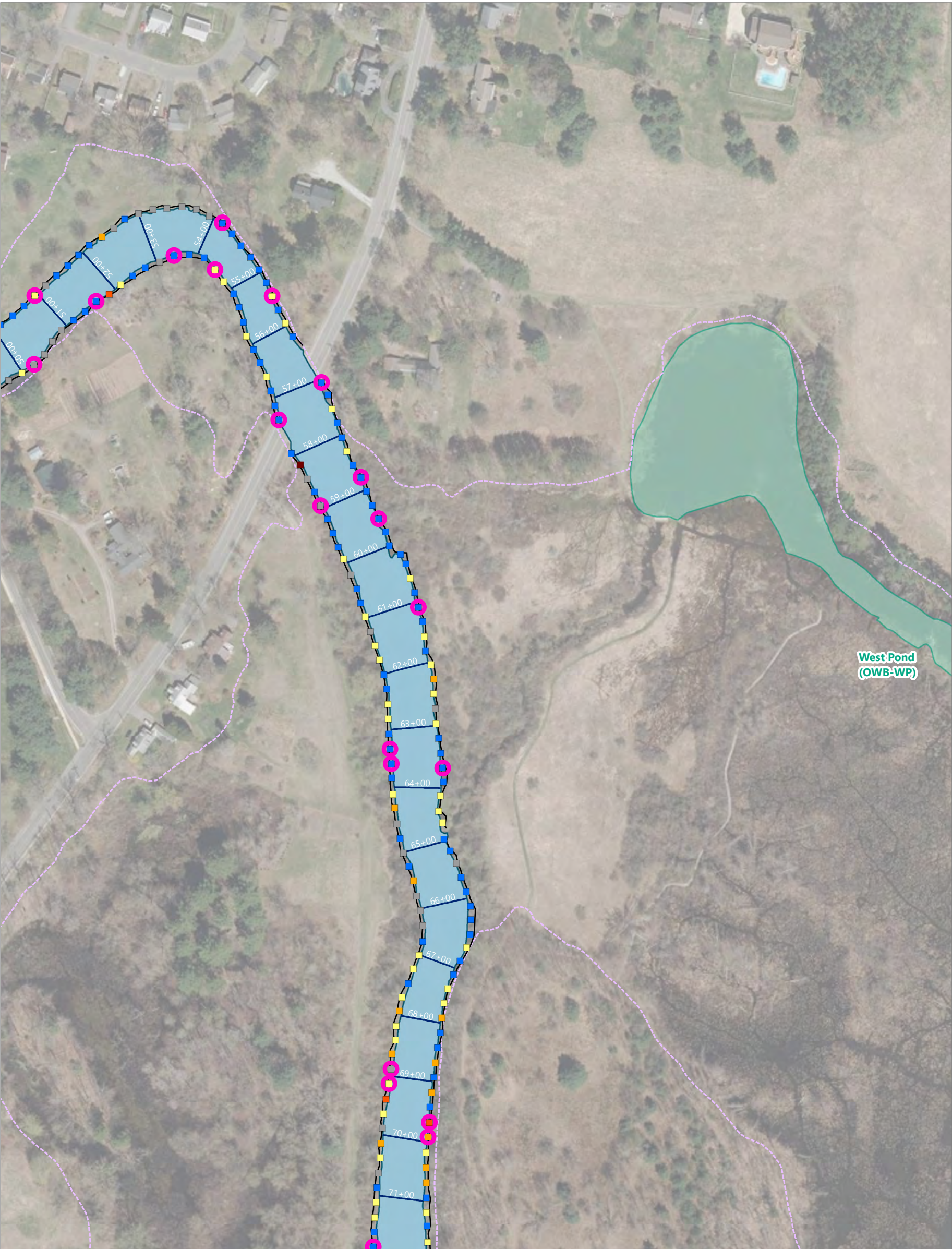
- 0+00 River Stationing
- Top of Bank
- River Channel
- Backwaters
- 1 mg/kg PCB Isopleth
- Geotechnical Sampling Location

PDI Riverbank Soil Sample¹
Average Total PCBs (mg/kg)

- <1
- 1 – 5
- 5 – 10
- 10 – 25
- 25 – 50
- 50 – 100
- > 100

NOTES:
1. The PCB riverbank soil sampling results shown are average concentrations for surficial (0- to 12-inch) samples collected from the toe, midpoint, and top of the riverbank at each location. PDI sampling conducted in 2022 and 2023.
PDI = Pre-Design Investigation





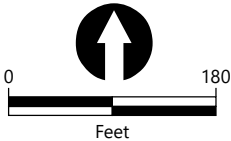
LEGEND:

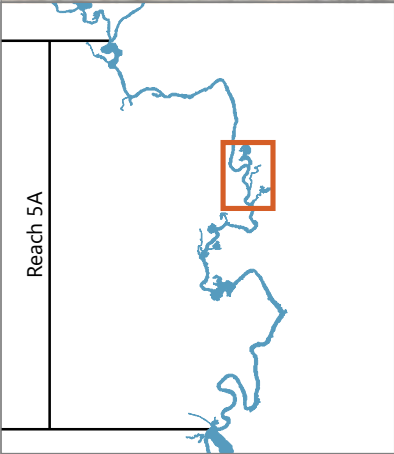
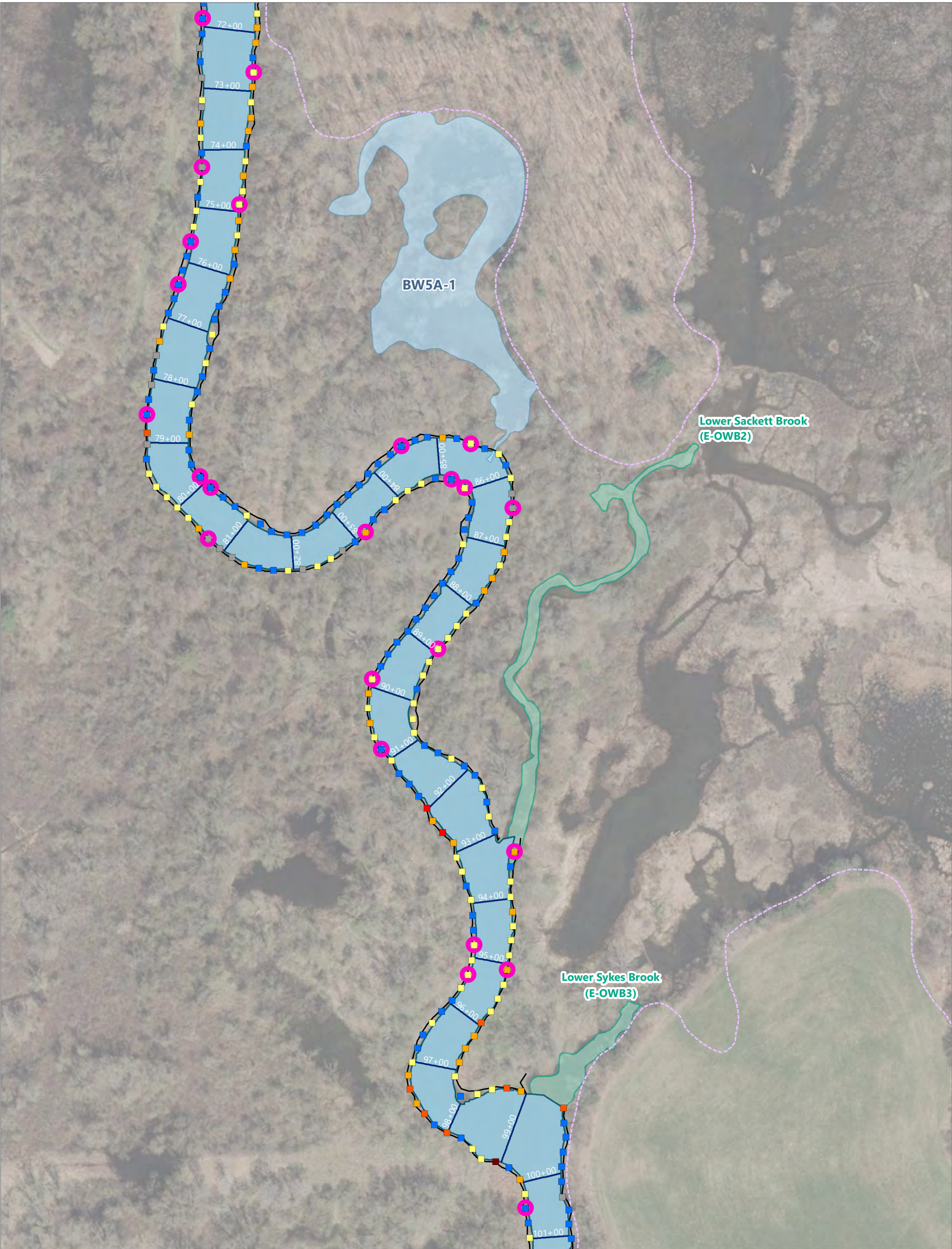
- 0+00 River Stationing
- Top of Bank
- River Channel
- Backwaters
- Other Waterbody
- - - 1 mg/kg PCB Isopleth
- Geotechnical Sampling Location

PDI Riverbank Soil Sample¹
Average Total PCBs (mg/kg)

- < 1
- 1 – 5
- 5 – 10
- 10 – 25
- 25 – 50
- 50 – 100
- > 100

NOTES:
1. The PCB riverbank soil sampling results shown are average concentrations for surficial (0- to 12-inch) samples collected from the toe, midpoint, and top of the riverbank at each location. PDI sampling conducted in 2022 and 2023.
PDI = Pre-Design Investigation





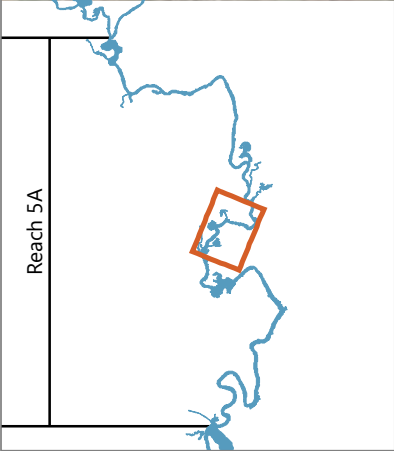
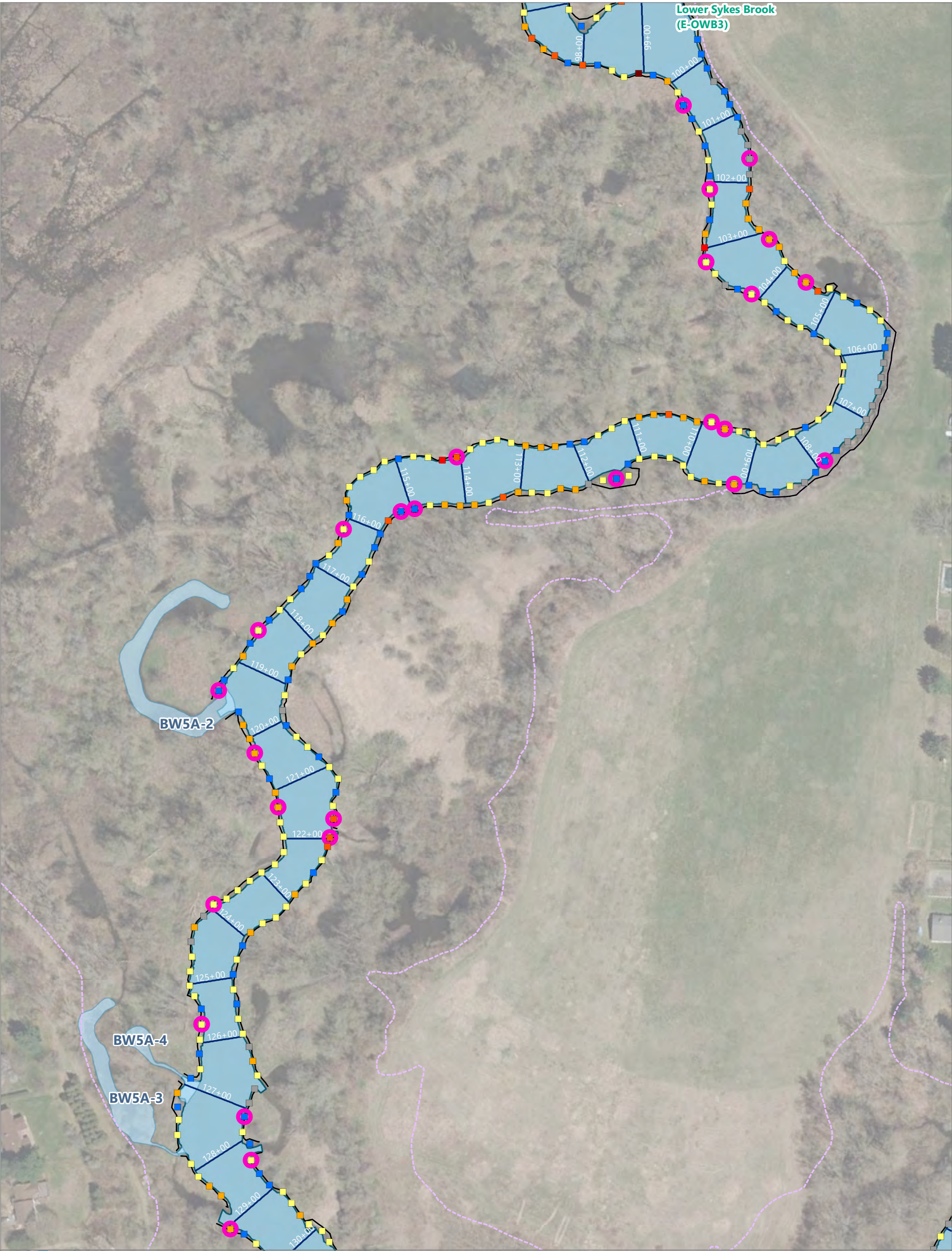
LEGEND:
0+00 River Stationing
— Top of Bank
River Channel
Backwaters
Other Waterbody
1 mg/kg PCB Isopleth
Geotechnical Sampling Location

PDI Riverbank Soil Sample¹
Average Total PCBs (mg/kg)
■ <1
■ 1 – 5
■ 5 – 10
■ 10 – 25
■ 25 – 50
■ 50 – 100
■ > 100

NOTES:
1. The PCB riverbank soil sampling results shown are average concentrations for surficial (0- to 12-inch) samples collected from the toe, midpoint, and top of the riverbank at each location. PDI sampling conducted in 2022 and 2023.

PDI = Pre-Design Investigation

0 180
Feet



LEGEND:

0+00 River Stationing

— Top of Bank

— River Channel

— Backwaters

— Other Waterbody

— 1 mg/kg PCB Isopleth

● Geotechnical Sampling Location

PDI Riverbank Soil Sample¹

Average Total PCBs (mg/kg)

■ <1

■ 1 – 5

■ 5 – 10

■ 10 – 25

■ 25 – 50

■ 50 – 100

■ > 100

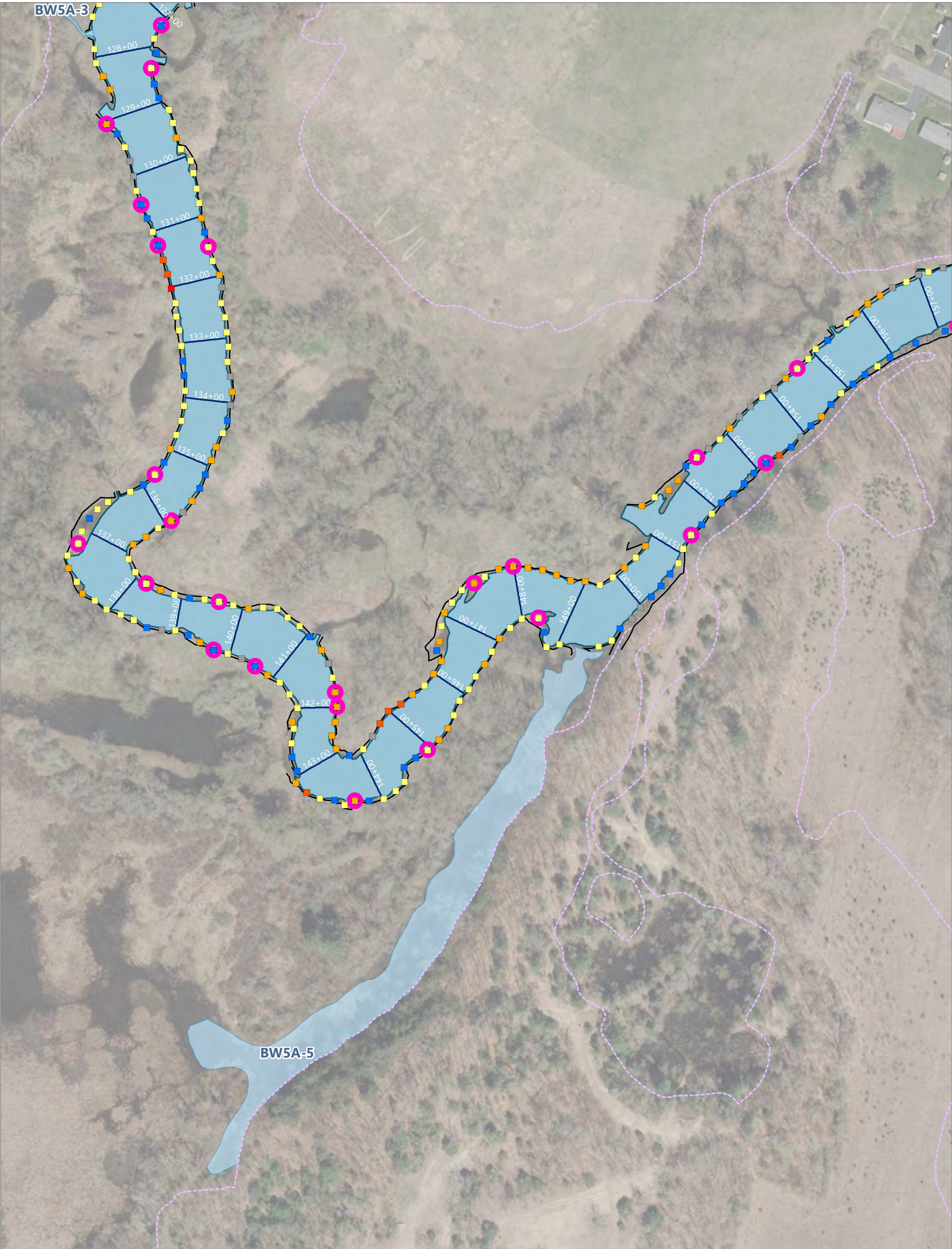
NOTES:

1. The PCB riverbank soil sampling results shown are average concentrations for surficial (0- to 12-inch) samples collected from the toe, midpoint, and top of the riverbank at each location. PDI sampling conducted in 2022 and 2023.

PDI = Pre-Design Investigation

0 180

Feet



Reach 5A

LEGEND:

0+00 River Stationing

— Top of Bank

— River Channel

— Backwaters

- - - 1 mg/kg PCB Isopleth

○ Geotechnical Sampling Location

PDI Riverbank Soil Sample¹

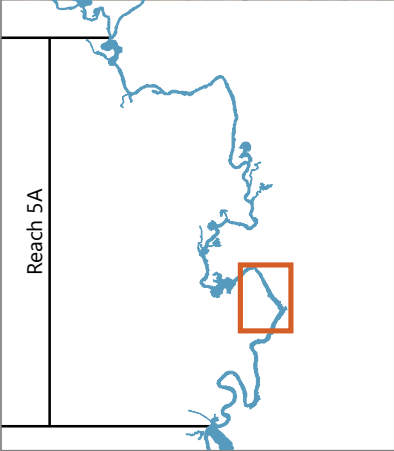
Average Total PCBs (mg/kg)

■	<1
■	1 – 5
■	5 – 10
■	10 – 25
■	25 – 50
■	50 – 100
■	> 100

NOTES:

1. The PCB riverbank soil sampling results shown are average concentrations for surficial (0- to 12-inch) samples collected from the toe, midpoint, and top of the riverbank at each location. PDI sampling conducted in 2022 and 2023.

PDI = Pre-Design Investigation



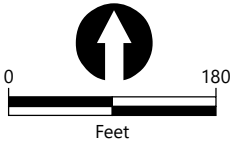
LEGEND:

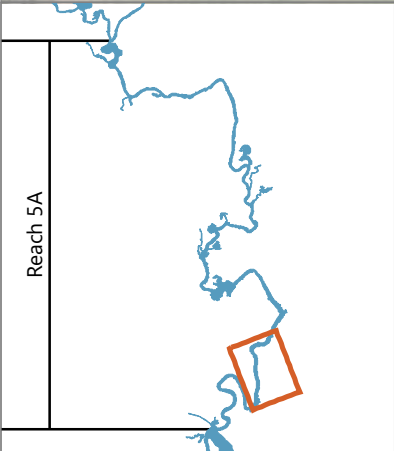
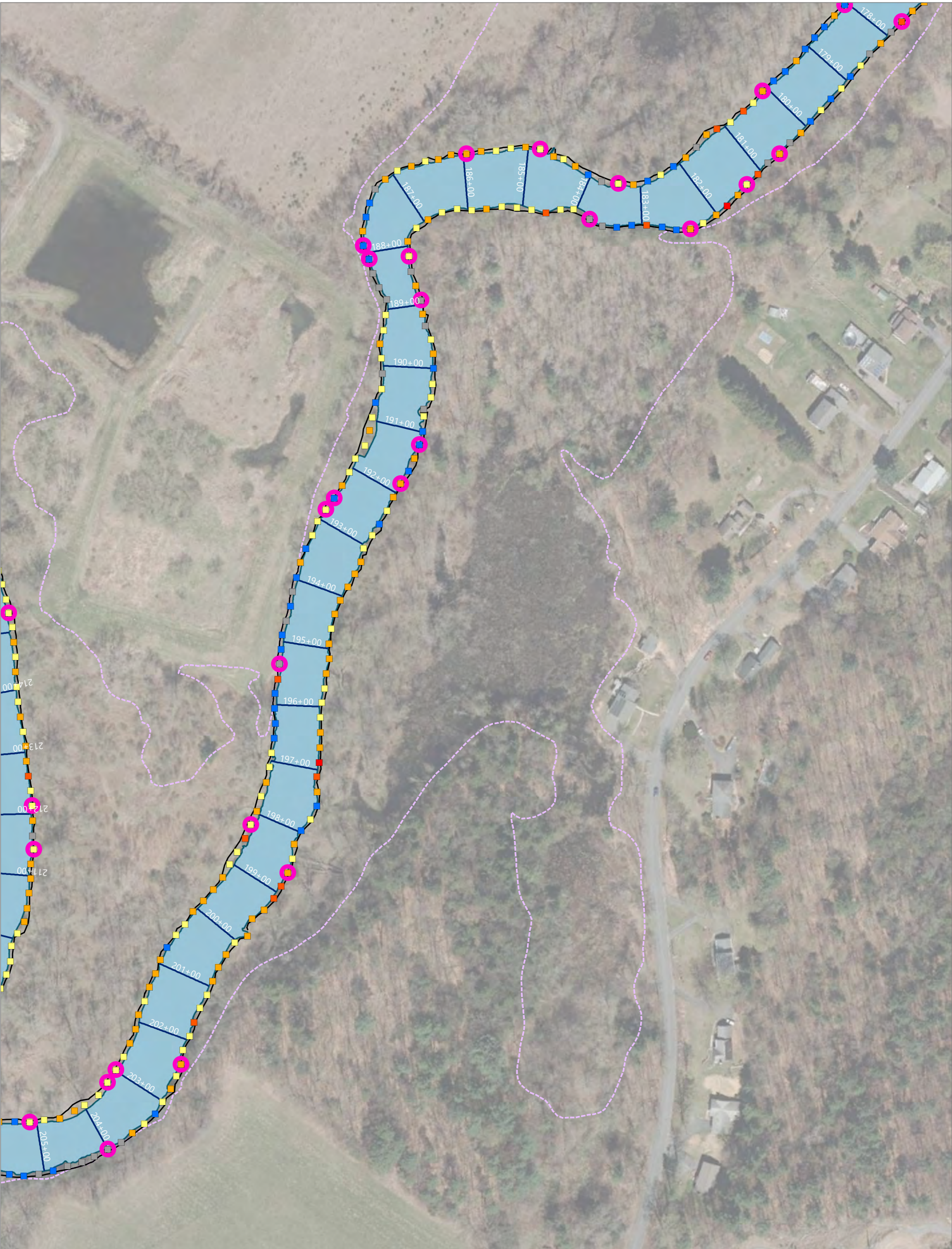
- 0+00 River Stationing
- Top of Bank
- River Channel
- Backwaters
- - - 1 mg/kg PCB Isopleth
- Geotechnical Sampling Location

PDI Riverbank Soil Sample¹
Average Total PCBs (mg/kg)

- <1
- 1 – 5
- 5 – 10
- 10 – 25
- 25 – 50
- 50 – 100
- > 100

NOTES:
1. The PCB riverbank soil sampling results shown are average concentrations for surficial (0- to 12-inch) samples collected from the toe, midpoint, and top of the riverbank at each location. PDI sampling conducted in 2022 and 2023.
PDI = Pre-Design Investigation





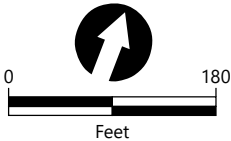
LEGEND:

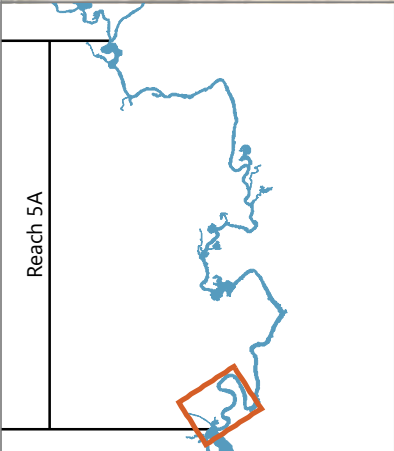
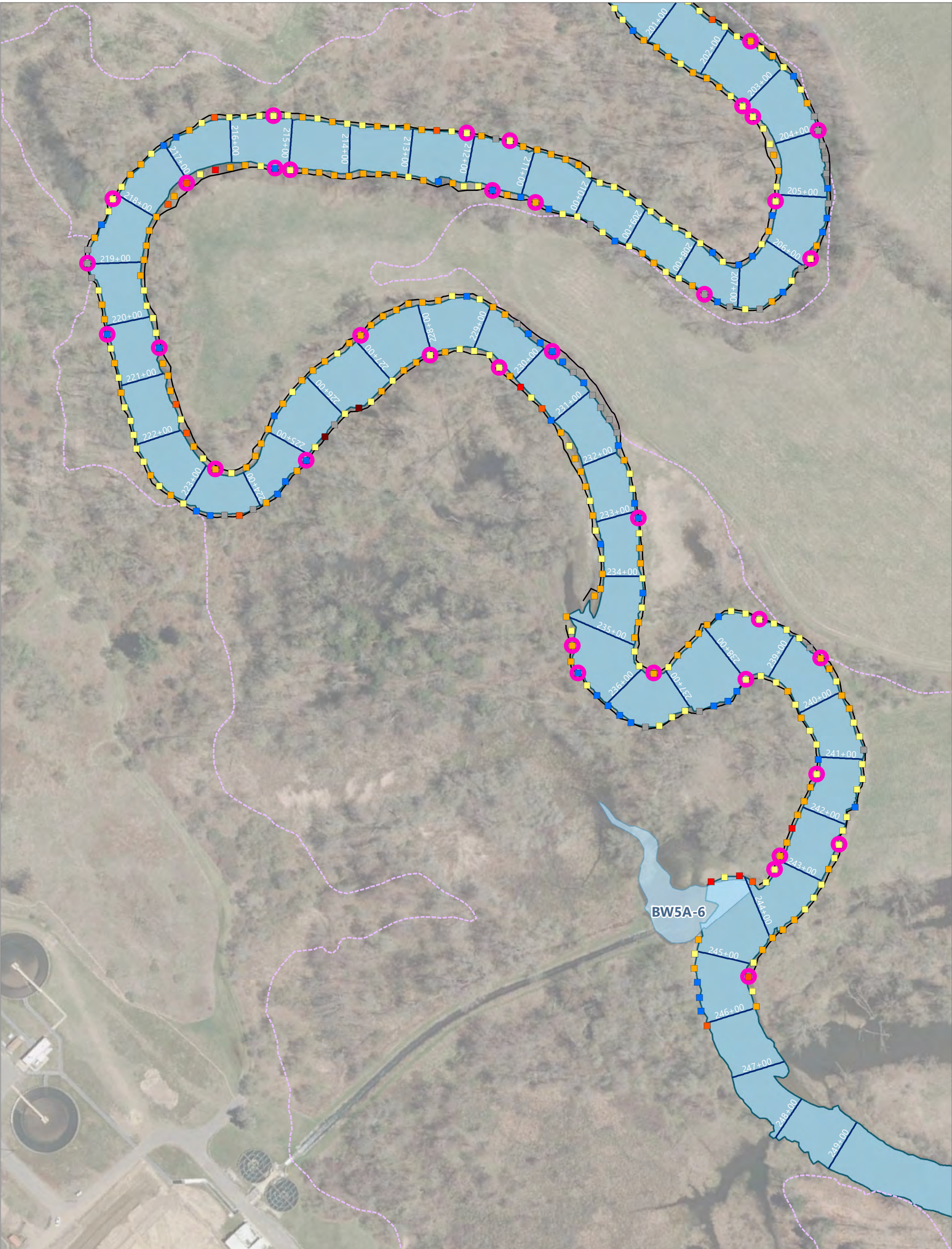
- 0+00 River Stationing
- Top of Bank
- River Channel
- Backwaters
- - - 1 mg/kg PCB Isopleth
- Geotechnical Sampling Location

PDI Riverbank Soil Sample¹
Average Total PCBs (mg/kg)

- <1
- 1 – 5
- 5 – 10
- 10 – 25
- 25 – 50
- 50 – 100
- > 100

NOTES:
1. The PCB riverbank soil sampling results shown are average concentrations for surficial (0- to 12-inch) samples collected from the toe, midpoint, and top of the riverbank at each location. PDI sampling conducted in 2022 and 2023.
PDI = Pre-Design Investigation





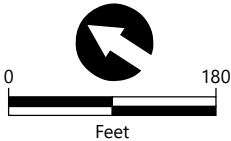
LEGEND:

- 0+00 River Stationing
- Top of Bank
- River Channel
- Backwaters
- - - 1 mg/kg PCB Isopleth
- Geotechnical Sampling Location

PDI Riverbank Soil Sample¹
Average Total PCBs (mg/kg)

- <1
- 1 – 5
- 5 – 10
- 10 – 25
- 25 – 50
- 50 – 100
- > 100

NOTES:
1. The PCB riverbank soil sampling results shown are average concentrations for surficial (0- to 12-inch) samples collected from the toe, midpoint, and top of the riverbank at each location. PDI sampling conducted in 2022 and 2023.
PDI = Pre-Design Investigation





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100
- Geotechnical Sampling Location

NOTES:

1. Aerial Imagery from Mass GIS, 2021

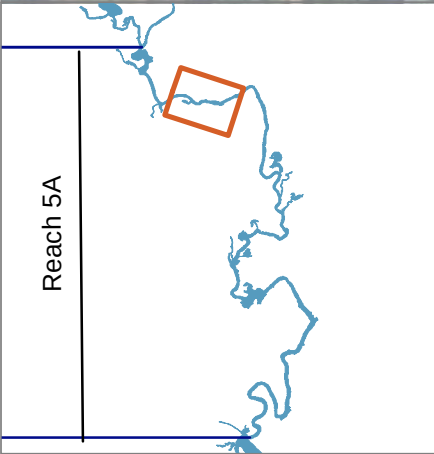
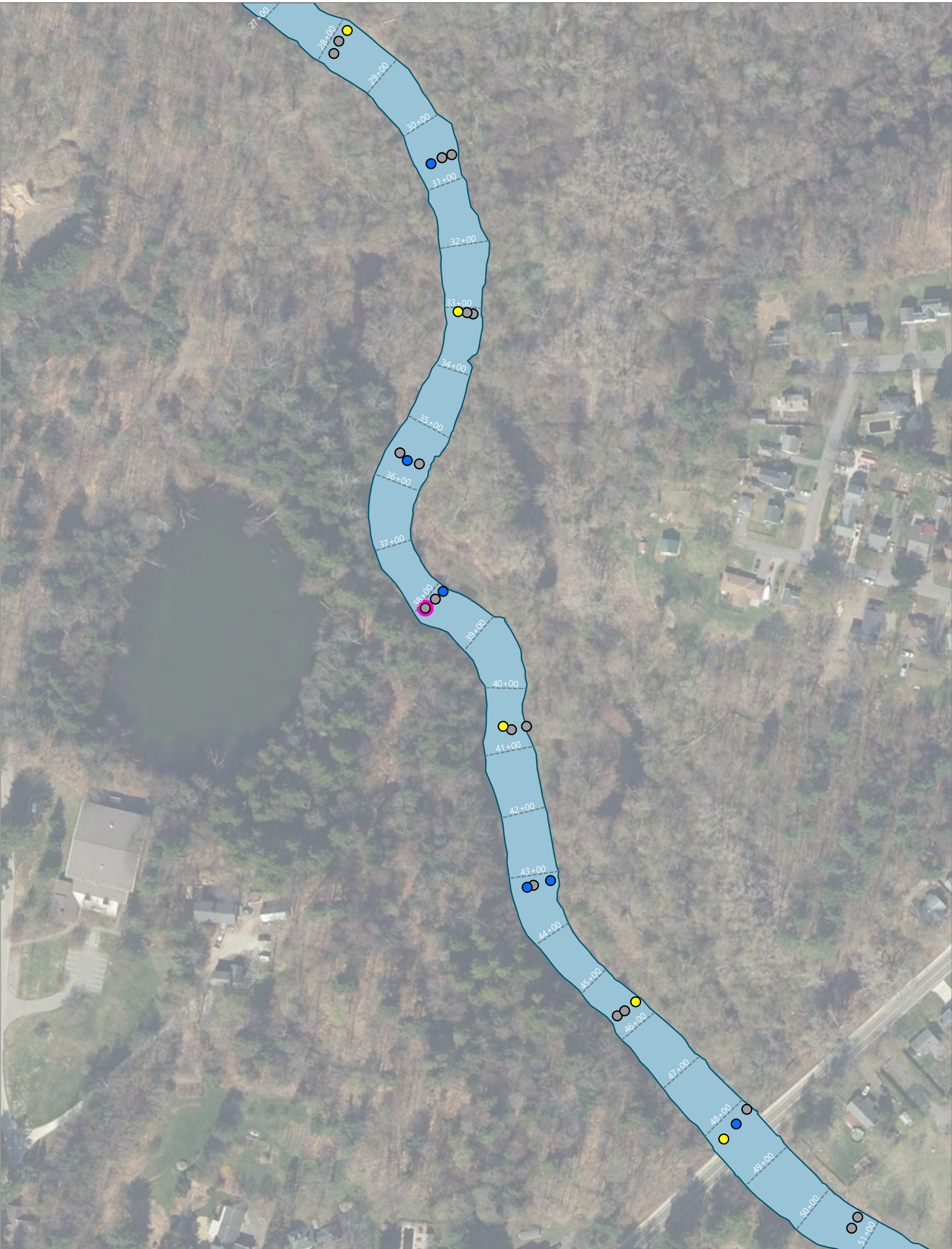
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:36 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11a
In-River PDI Sediment PCB Results (0 to 0.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

0+00 River Stationing
River Channel

In River Sediment Sampling

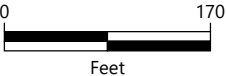
Total PCBs (mg/kg)

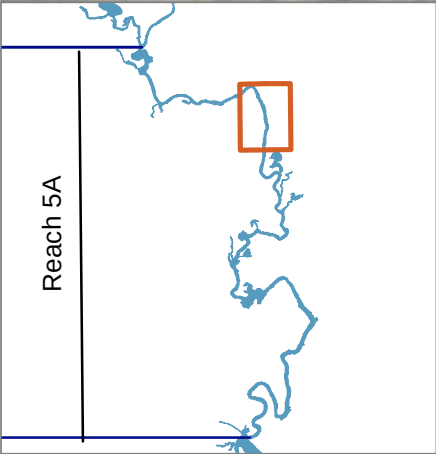
- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

Geotechnical Sampling Location

NOTES:

- Aerial Imagery from Mass GIS, 2021
- The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

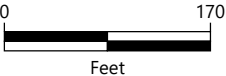
In River Sediment Sampling

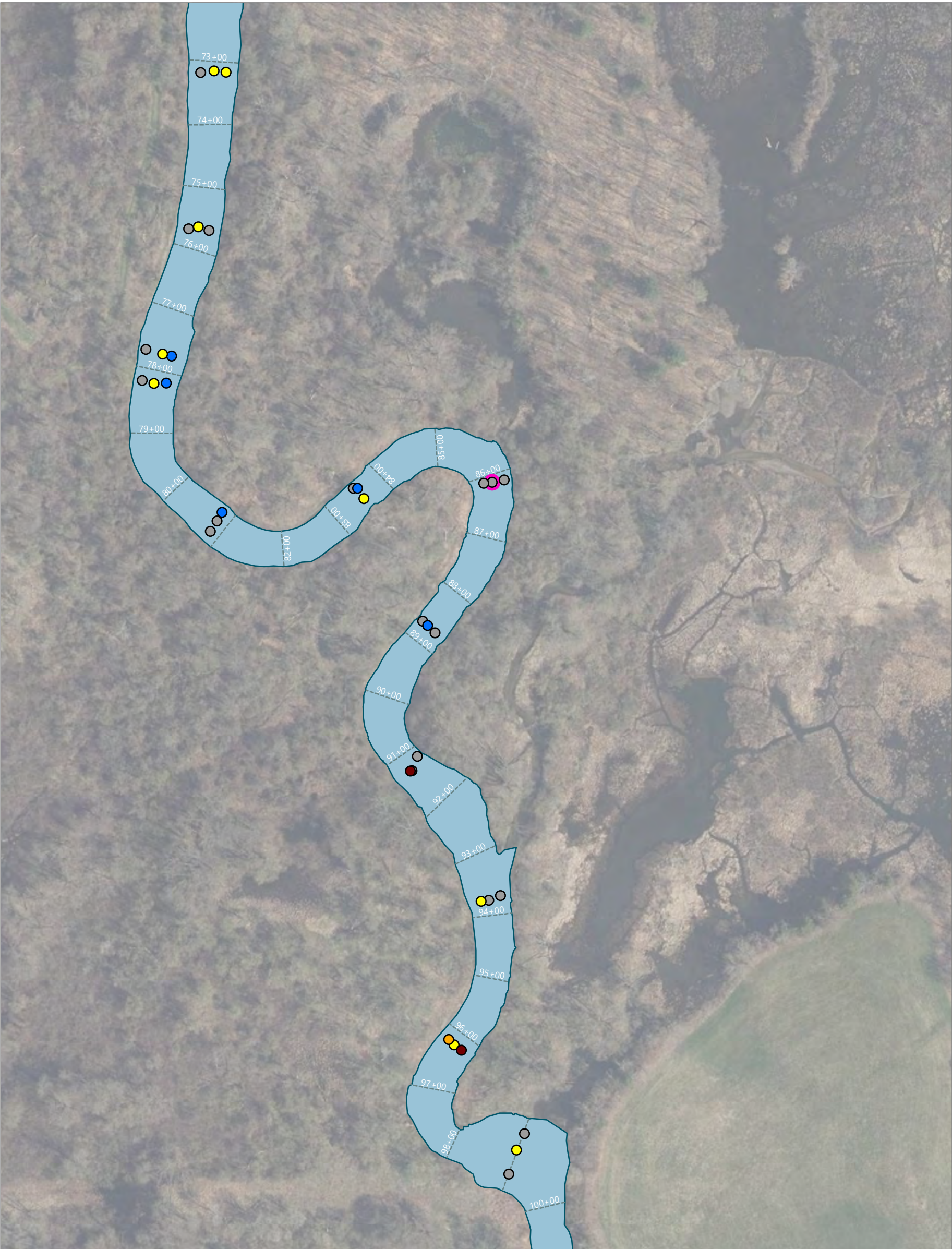
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100
- Geotechnical Sampling Location

NOTES:

- Aerial Imagery from Mass GIS, 2021
- The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100
- Geotechnical Sampling Location

NOTES:

1. Aerial Imagery from Mass GIS, 2021

2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

0
170
Feet



Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

Geotechnical Sampling Location

NOTES:

1. Aerial Imagery from Mass GIS, 2021

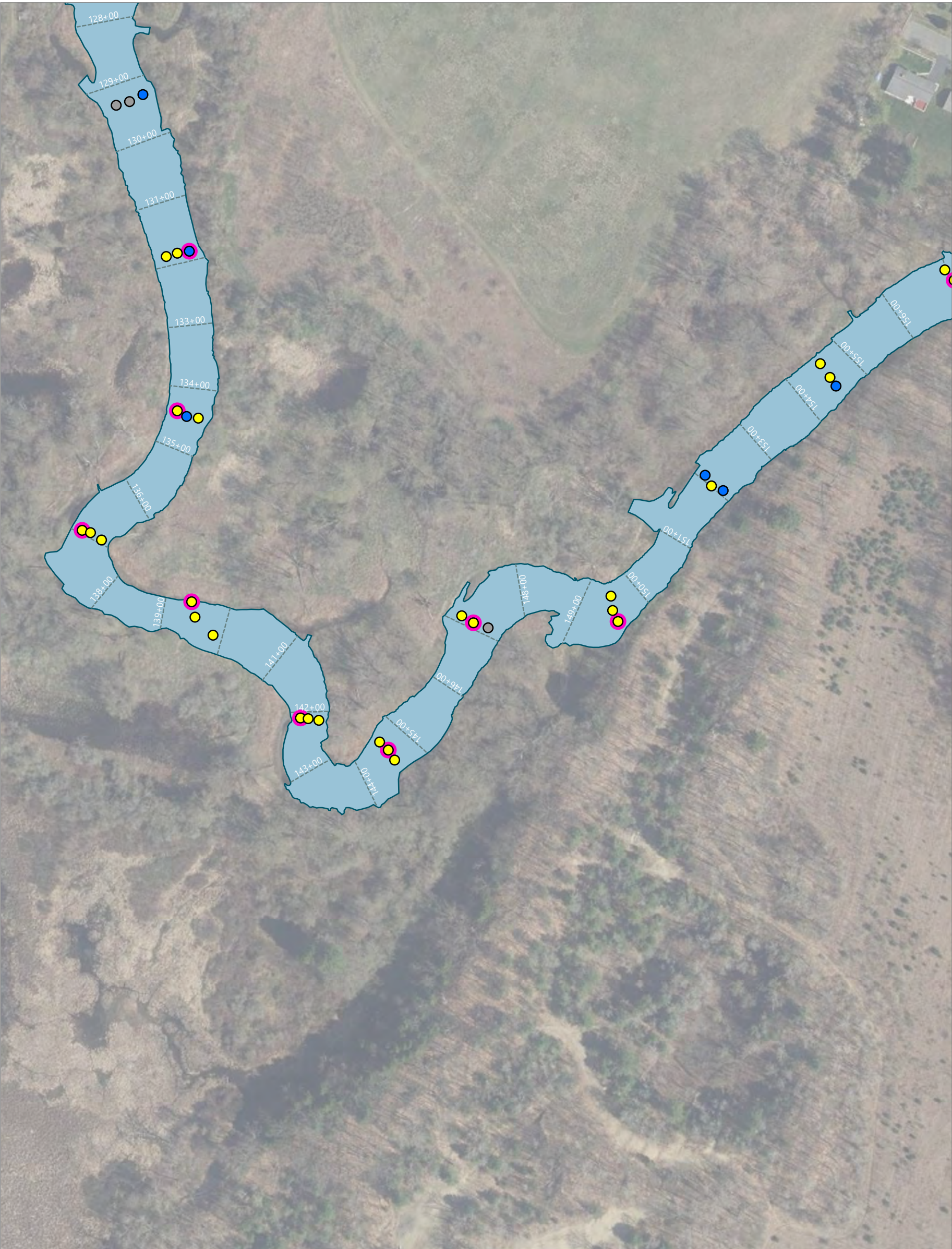
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:36 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11e
In-River PDI Sediment PCB Results (0 to 0.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

Geotechnical Sampling Location

NOTES:

1. Aerial Imagery from Mass GIS, 2021

2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:36 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11f
In-River PDI Sediment PCB Results (0 to 0.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100
- Geotechnical Sampling Location

NOTES:

1. Aerial Imagery from Mass GIS, 2021

2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.



Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100
- Geotechnical Sampling Location

NOTES:

1. Aerial Imagery from Mass GIS, 2021
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

0170

Feet



Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100
- Geotechnical Sampling Location

NOTES:

1. Aerial Imagery from Mass GIS, 2021
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

0170

Feet



Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

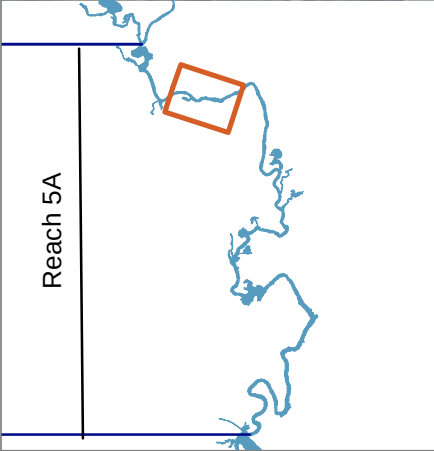
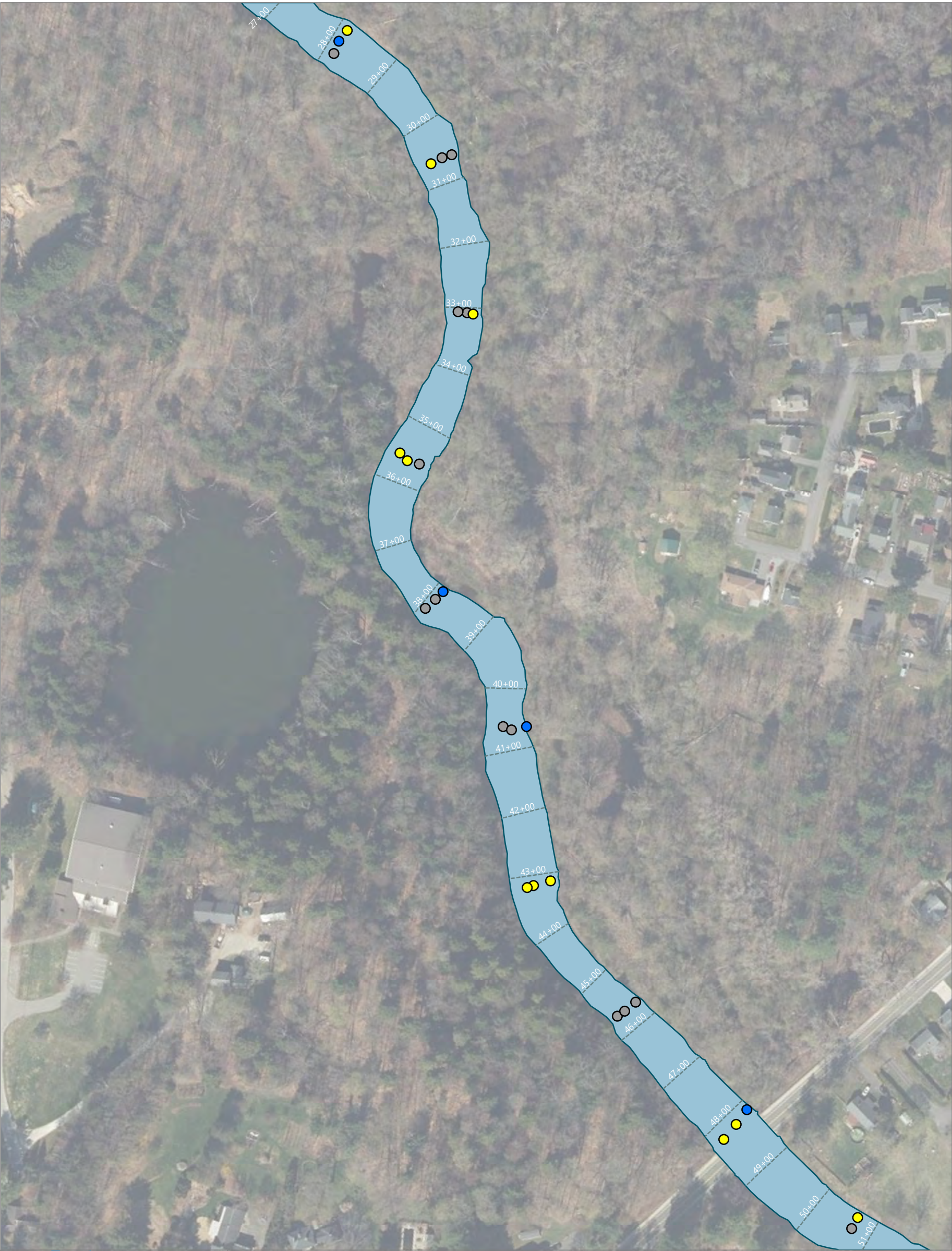
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:37 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11j
In-River PDI Sediment PCB Results (0.5 to 1 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

0+00 River Stationing
River Channel

In River Sediment Sampling
Total PCBs (mg/kg)

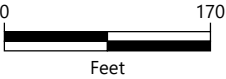
- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

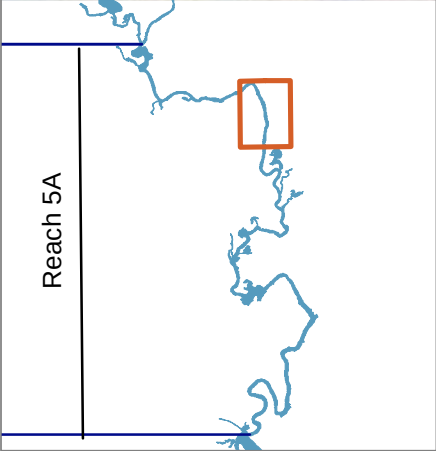
NOTES:

1. Aerial Imagery from Mass GIS, 2021

2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

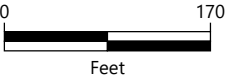
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- Aerial Imagery from Mass GIS, 2021
- The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

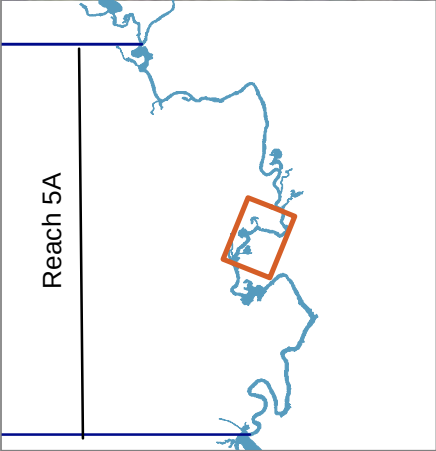
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.



LEGEND:

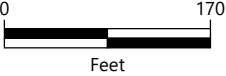
- 0+00 River Stationing
- River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

- NOTES:**
- Aerial Imagery from Mass GIS, 2021
 - The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
 - A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

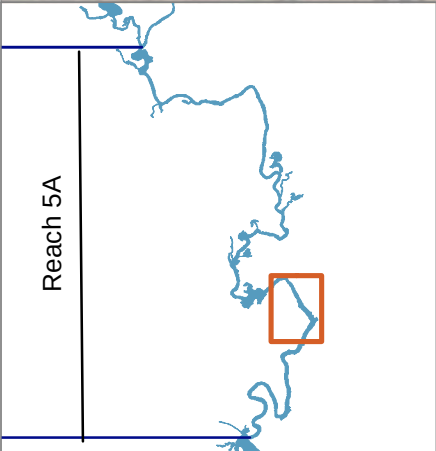
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:38 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11o
In-River PDI Sediment PCB Results (0.5 to 1 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

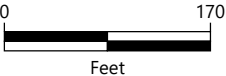
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

<1

1 – 2

2 – 25

25 – 50

50 – 100

>100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

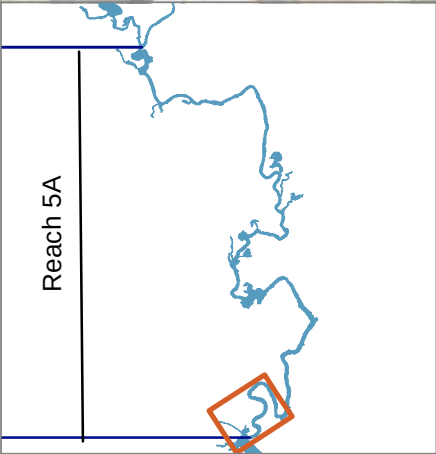
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

0

170

Feet



LEGEND:

- 0+00 River Stationing
- River Channel

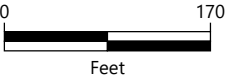
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

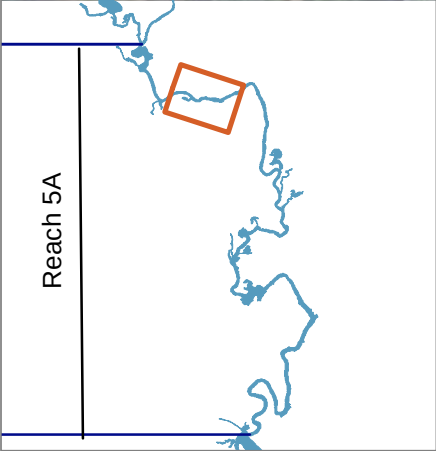
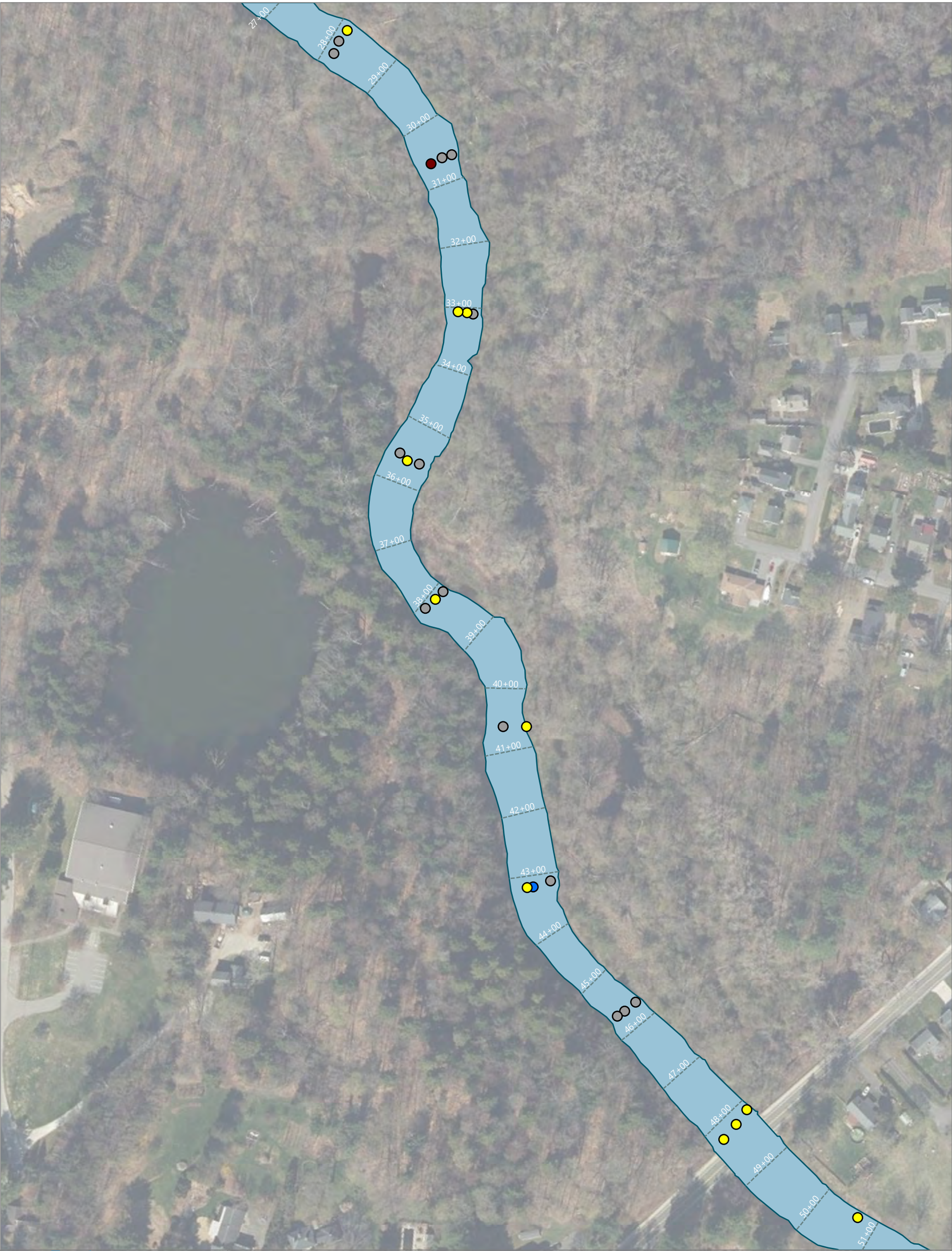
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:38 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11s
In-River PDI Sediment PCB Results (1 to 1.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

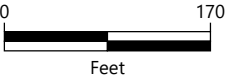
In River Sediment Sampling

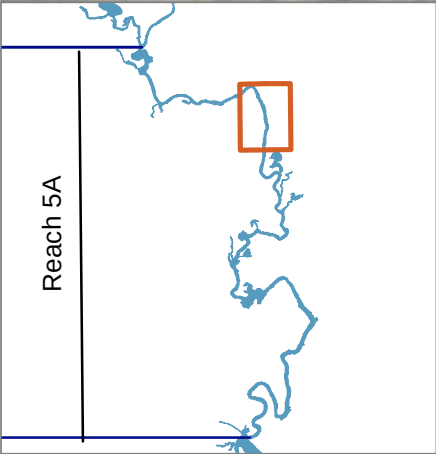
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

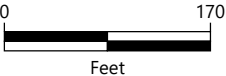
In River Sediment Sampling

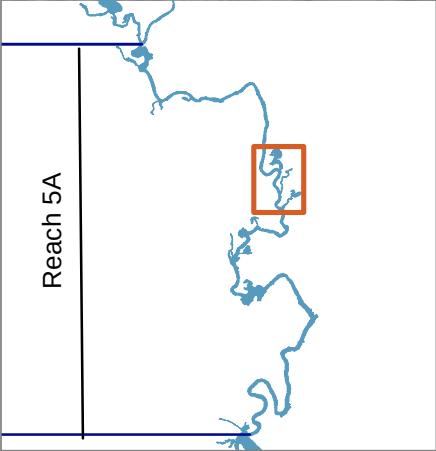
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

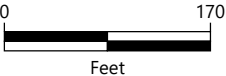
In River Sediment Sampling

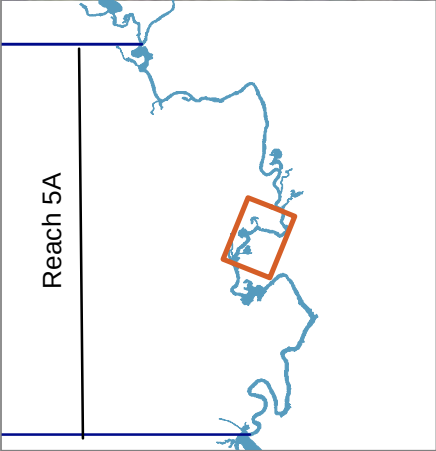
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- Aerial Imagery from Mass GIS, 2021
- The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

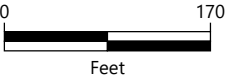
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

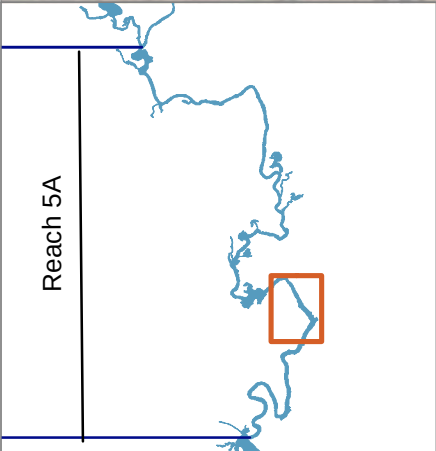
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:39 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11x
In-River PDI Sediment PCB Results (1 to 1.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

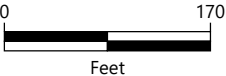
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

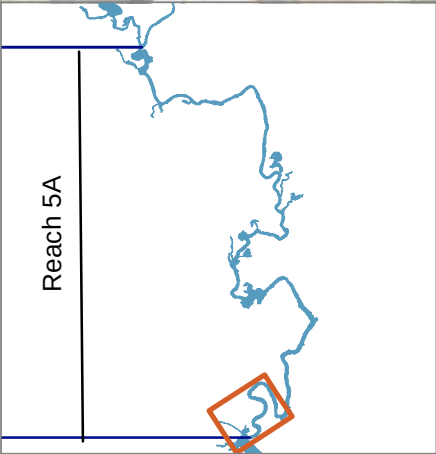
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:39 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11z
In-River PDI Sediment PCB Results (1 to 1.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

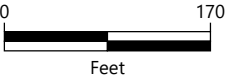
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

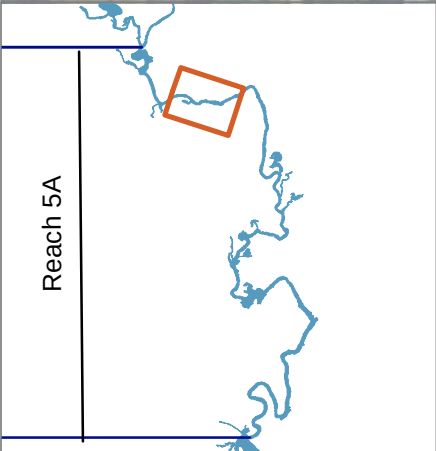
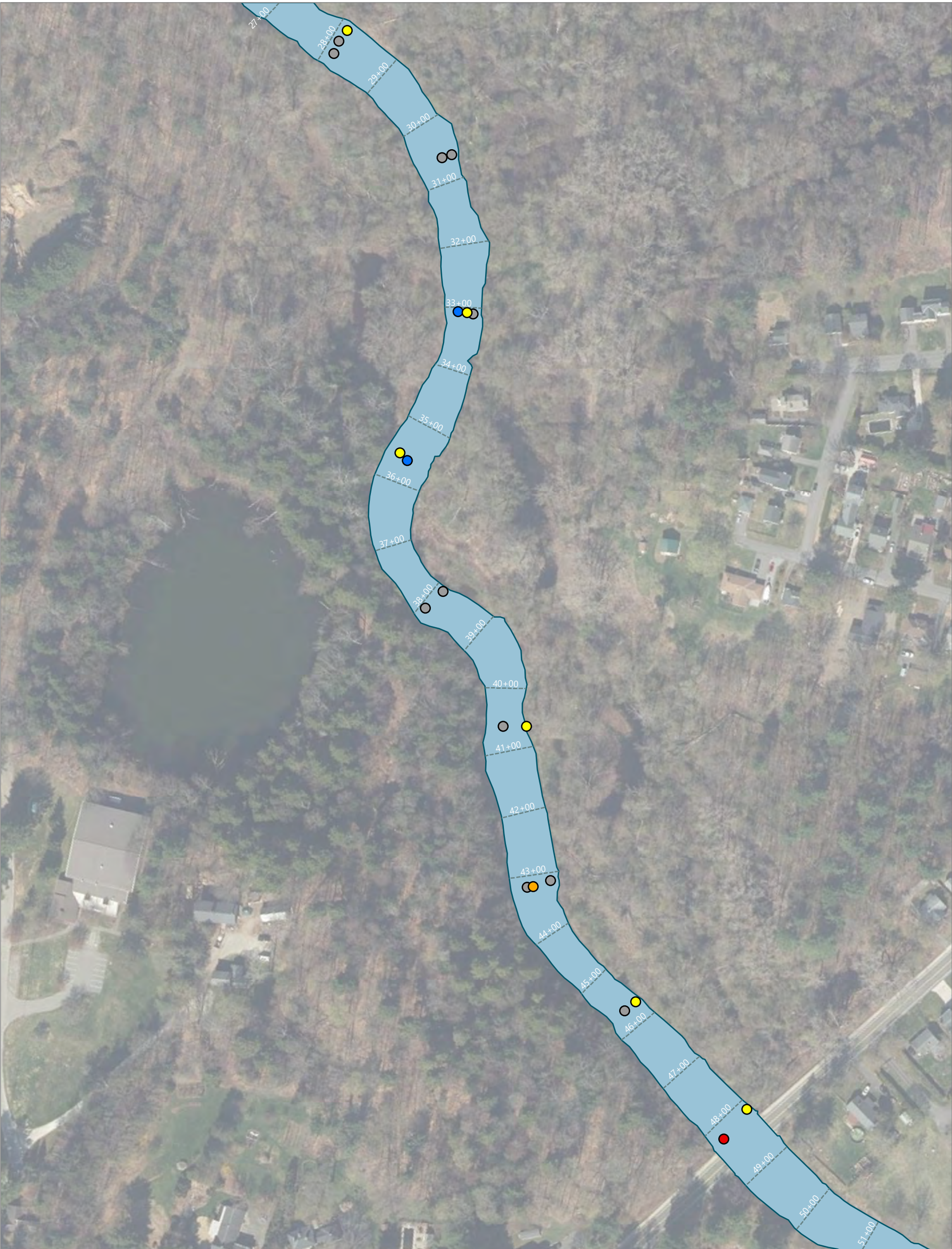
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:40 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11bb
In-River PDI Sediment PCB Results (1.5 to 2 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

0+00 River Stationing
River Channel

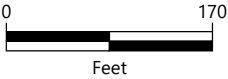
In River Sediment Sampling

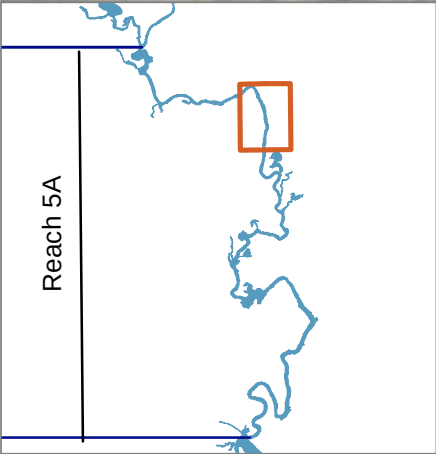
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

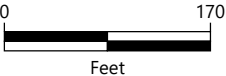
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

0
170
Feet



Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:40 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11ff
In-River PDI Sediment PCB Results (1.5 to 2 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

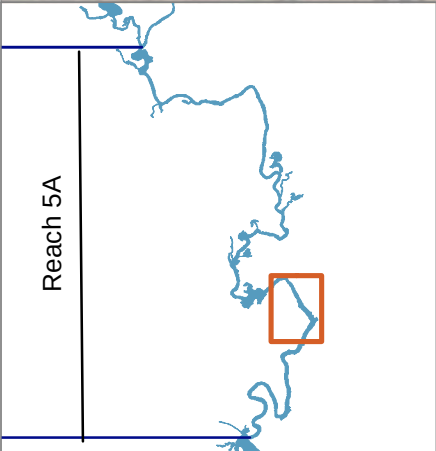
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:40 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11gg
In-River PDI Sediment PCB Results (1.5 to 2 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

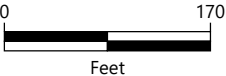
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

<1

1 – 2

2 – 25

25 – 50

50 – 100

>100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

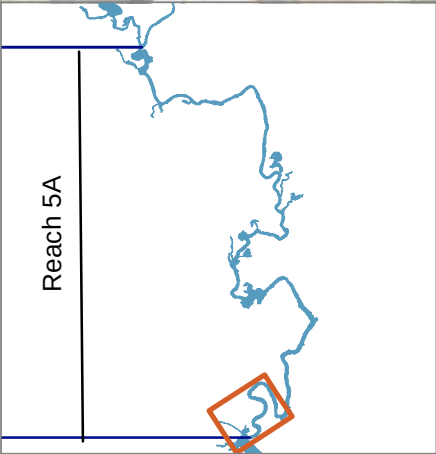
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

0

170

Feet



LEGEND:

- 0+00 River Stationing
- River Channel

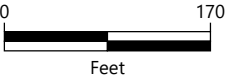
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

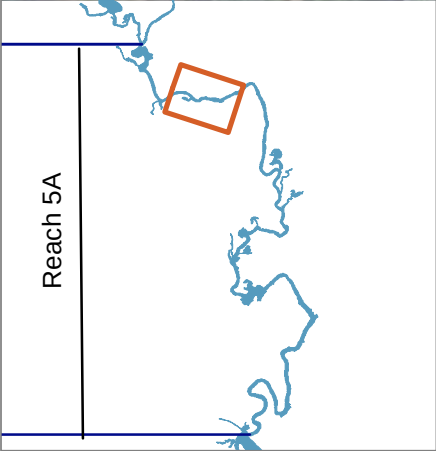
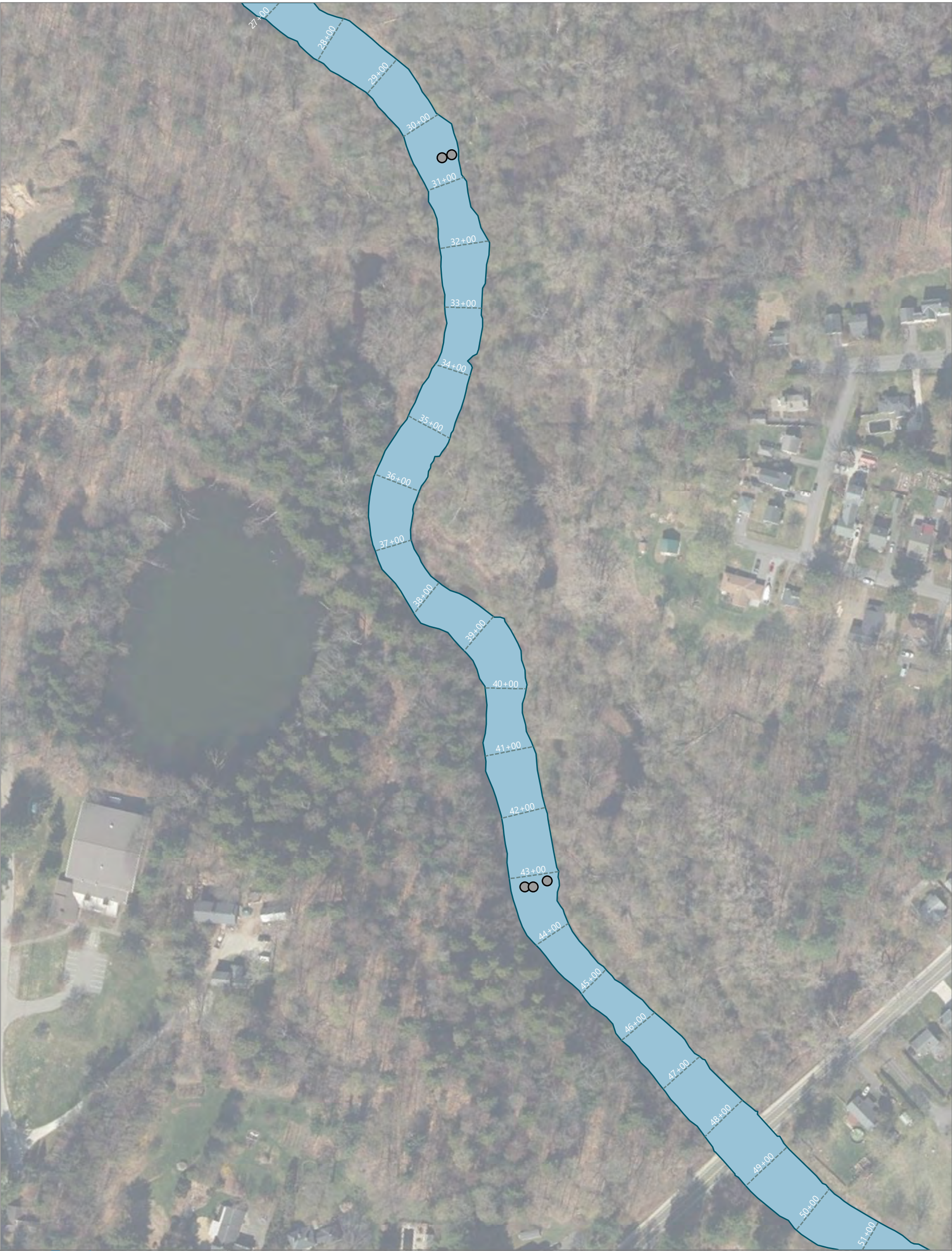
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:41 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11kk
In-River PDI Sediment PCB Results (2 to 2.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

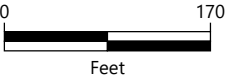
In River Sediment Sampling

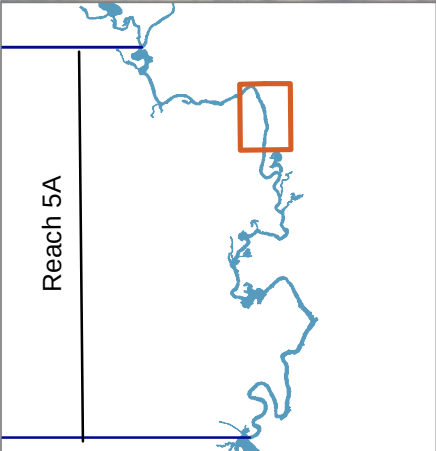
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- Aerial Imagery from Mass GIS, 2021
- The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

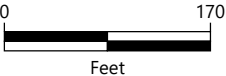
In River Sediment Sampling

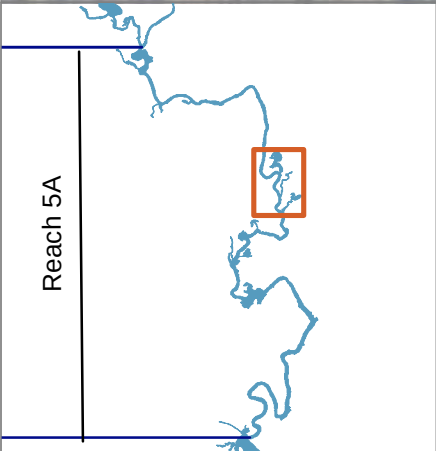
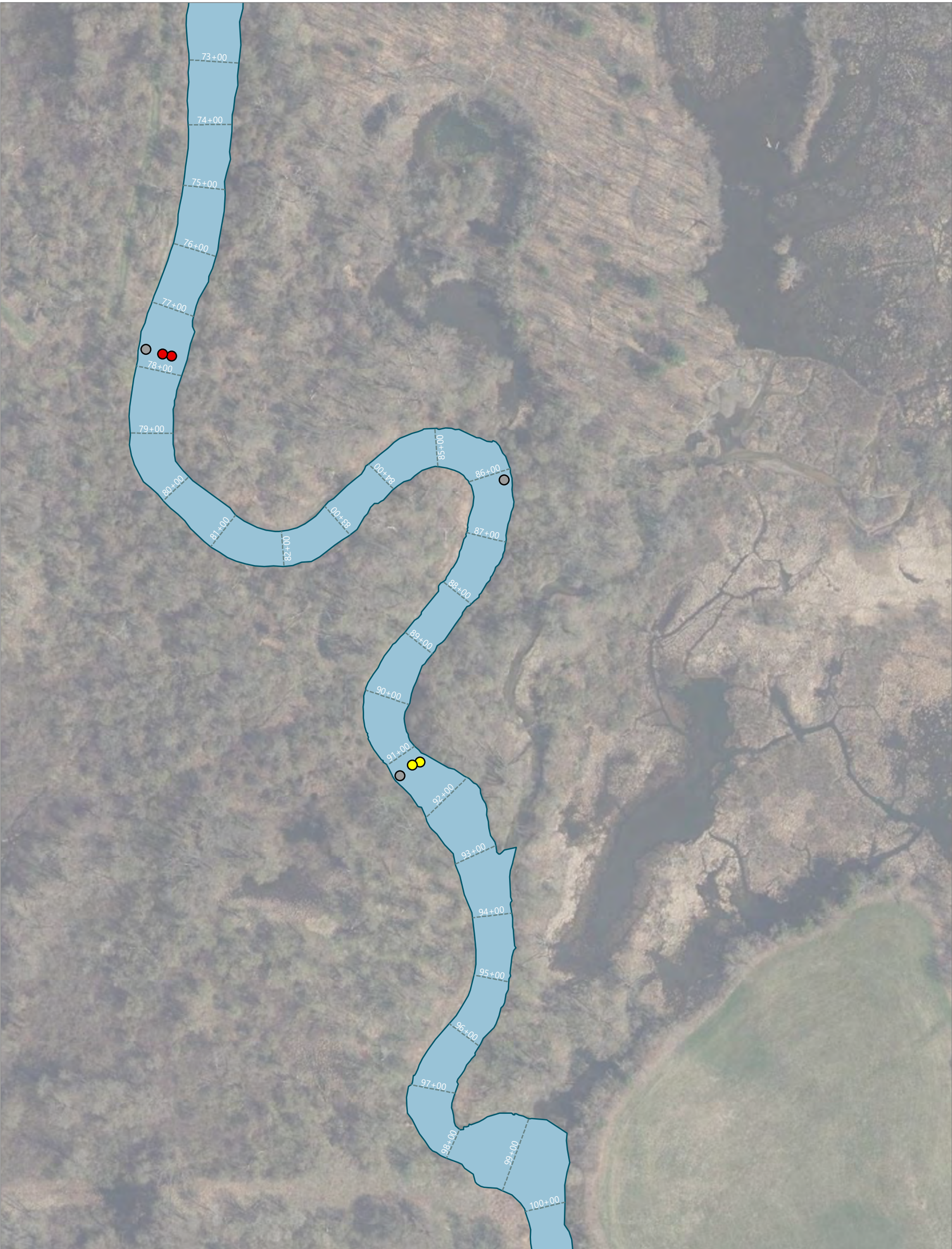
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- Aerial Imagery from Mass GIS, 2021
- The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

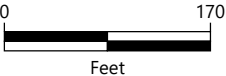
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:42 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-1100
In-River PDI Sediment PCB Results (2 to 2.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

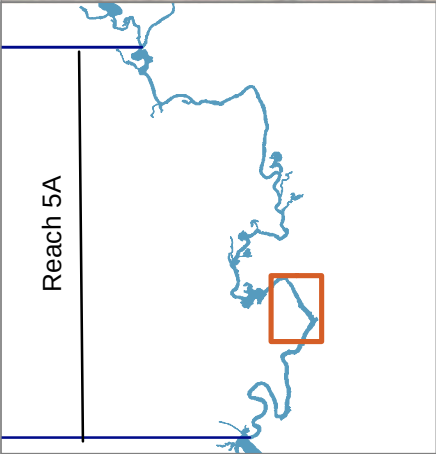
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:42 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11pp
In-River PDI Sediment PCB Results (2 to 2.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

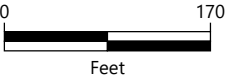
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

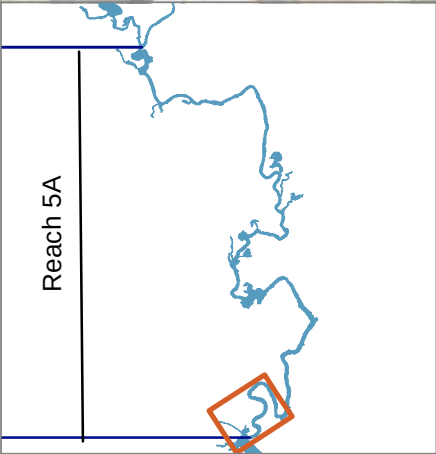
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:42 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11rr
In-River PDI Sediment PCB Results (2 to 2.5 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

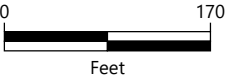
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- Aerial Imagery from Mass GIS, 2021
- The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

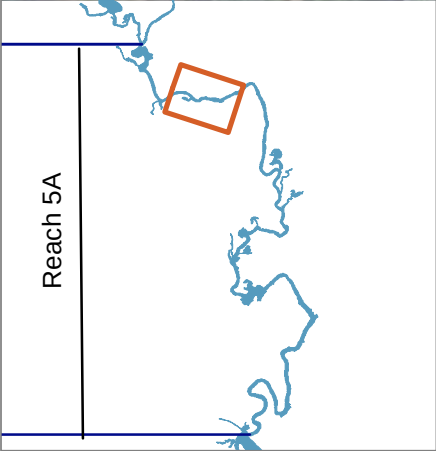
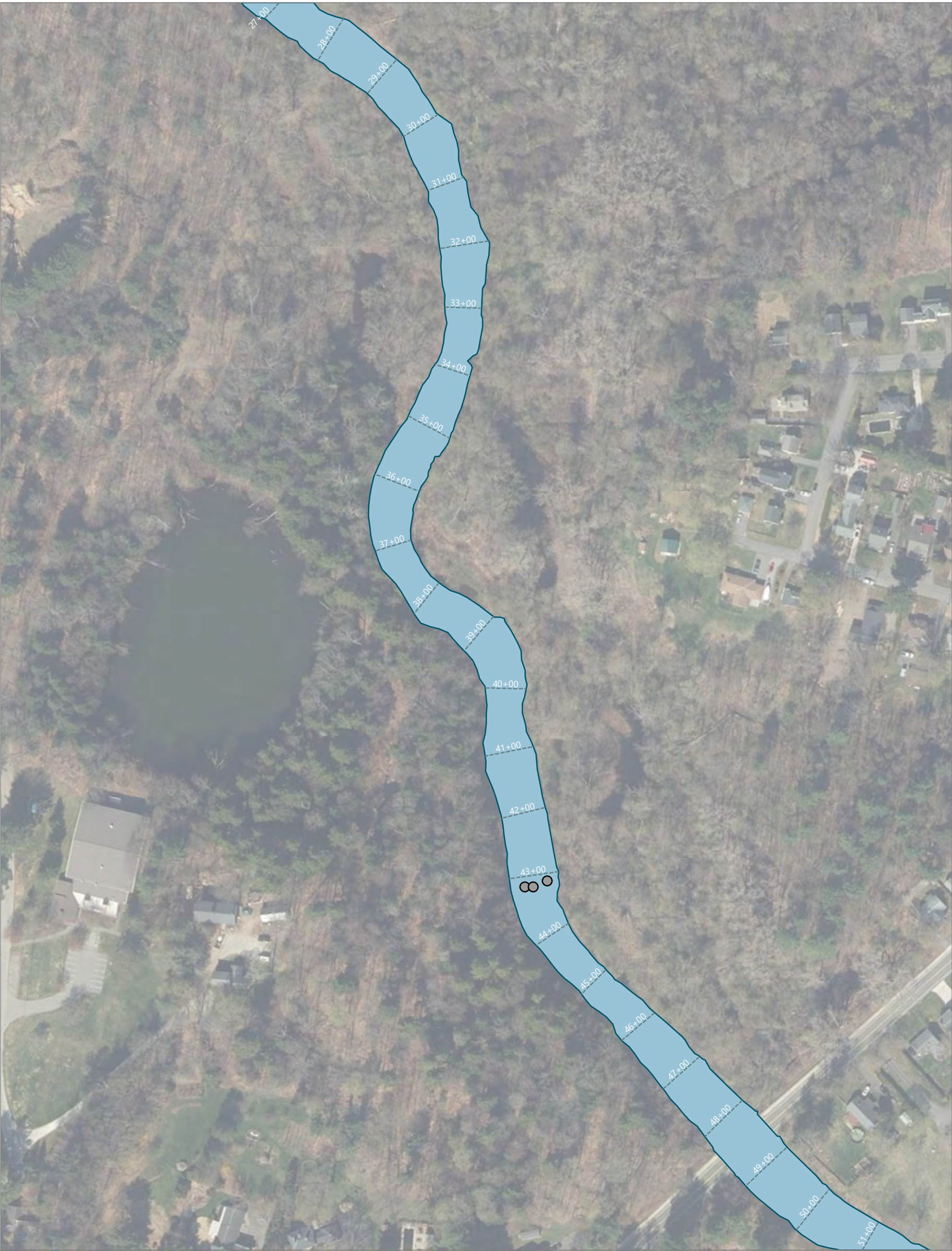
1. Aerial Imagery from Mass GIS, 2021

2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:42 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd





LEGEND:

- 0+00 River Stationing
- River Channel

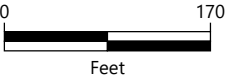
In River Sediment Sampling

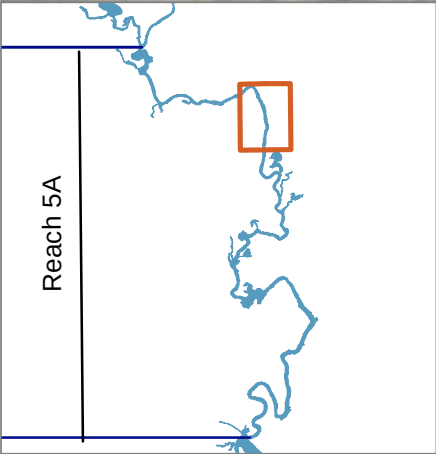
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

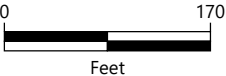
In River Sediment Sampling

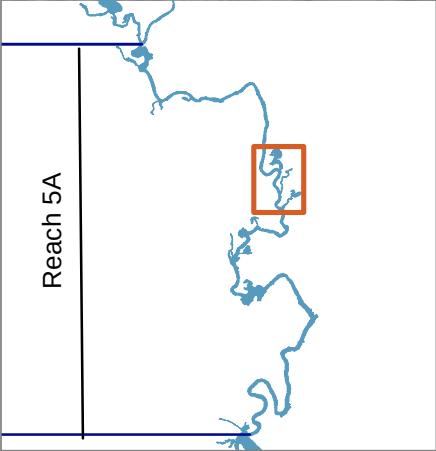
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

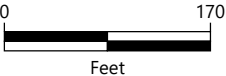
In River Sediment Sampling

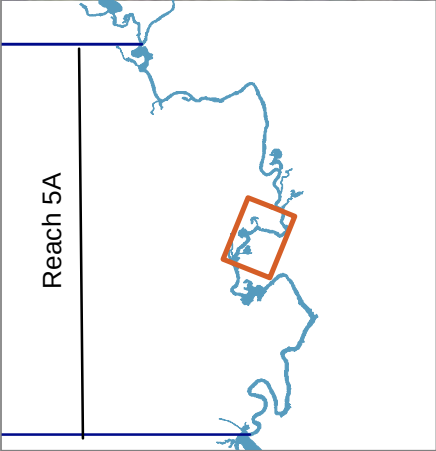
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





LEGEND:

- 0+00 River Stationing
- River Channel

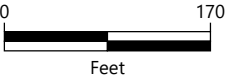
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- Aerial Imagery from Mass GIS, 2021
- The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

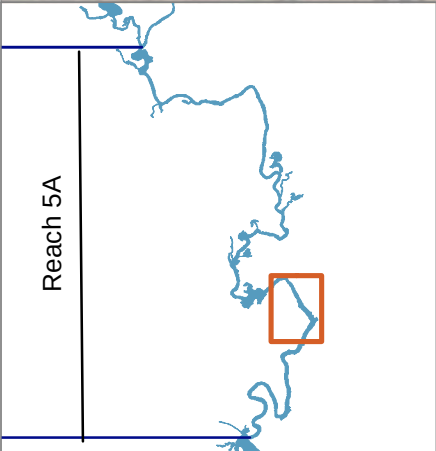
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:43 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11yy
In-River PDI Sediment PCB Results (2.5 to 3 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

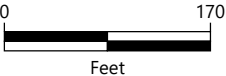
In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- 1. Aerial Imagery from Mass GIS, 2021
- 2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- 3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.





Reach 5A

LEGEND:

0+00 River Stationing

River Channel

In River Sediment Sampling

Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

1. Aerial Imagery from Mass GIS, 2021

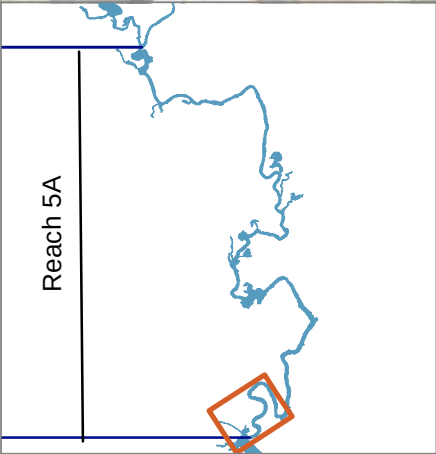
2. The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.

3. A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.

Publish Date: 2023/09/27, 10:43 AM | User: aconstant
Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-11_SedimentResults_InRiver.mxd



Figure 2-11aaa
In-River PDI Sediment PCB Results (2.5 to 3 ft)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

- 0+00 River Stationing
- River Channel

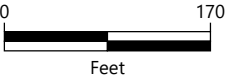
In River Sediment Sampling

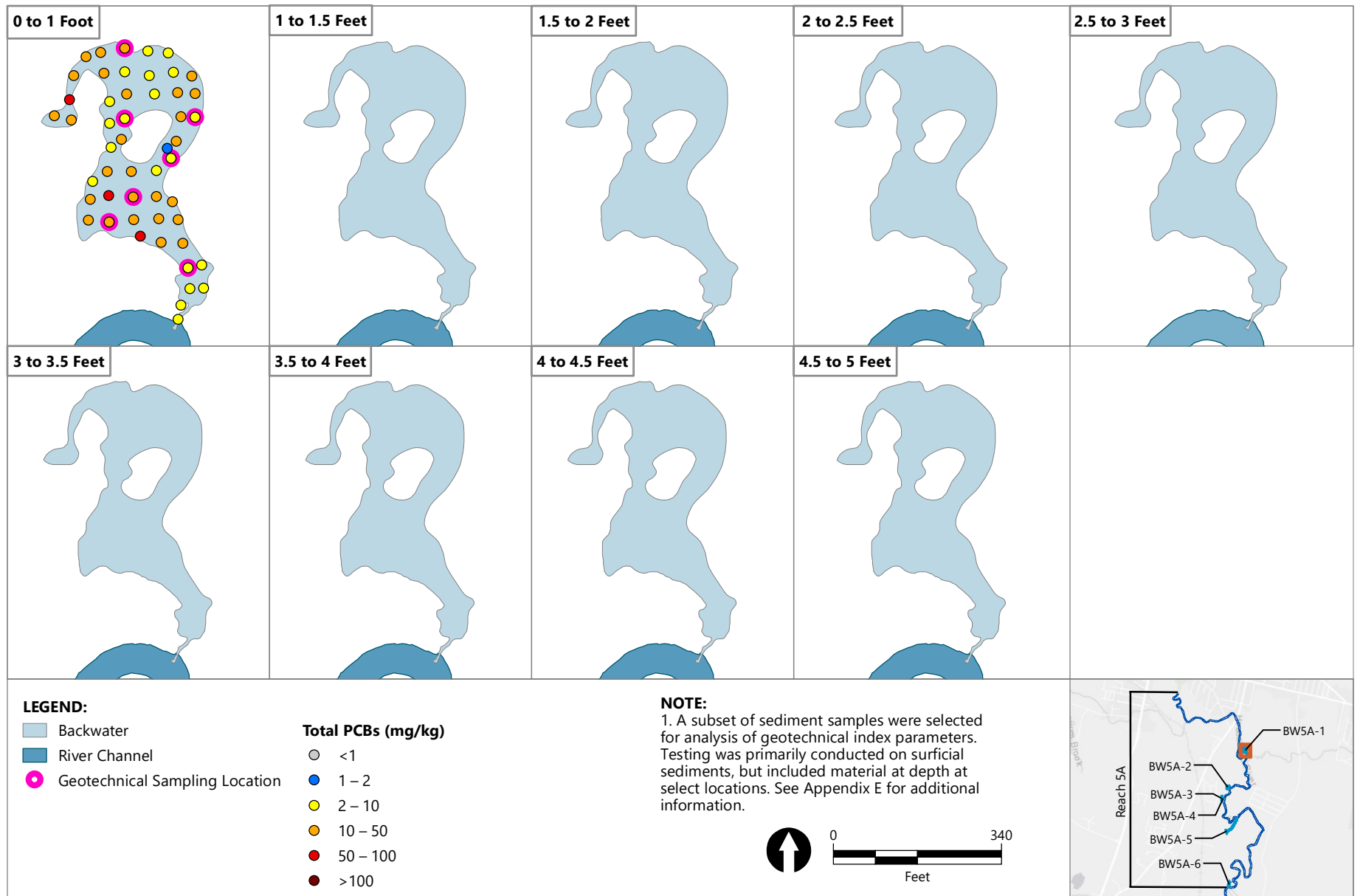
Total PCBs (mg/kg)

- <1
- 1 – 2
- 2 – 25
- 25 – 50
- 50 – 100
- >100

NOTES:

- Aerial Imagery from Mass GIS, 2021
- The maximum PCB concentrations are shown for depth intervals where multiple samples were collected as part of the 2022 and 2023 (supplemental) sediment sampling.
- A subset of sediment samples were selected for analysis of geotechnical index parameters. Testing was primarily conducted on surficial sediments, but included material at depth at select locations. See Appendix E for additional information.



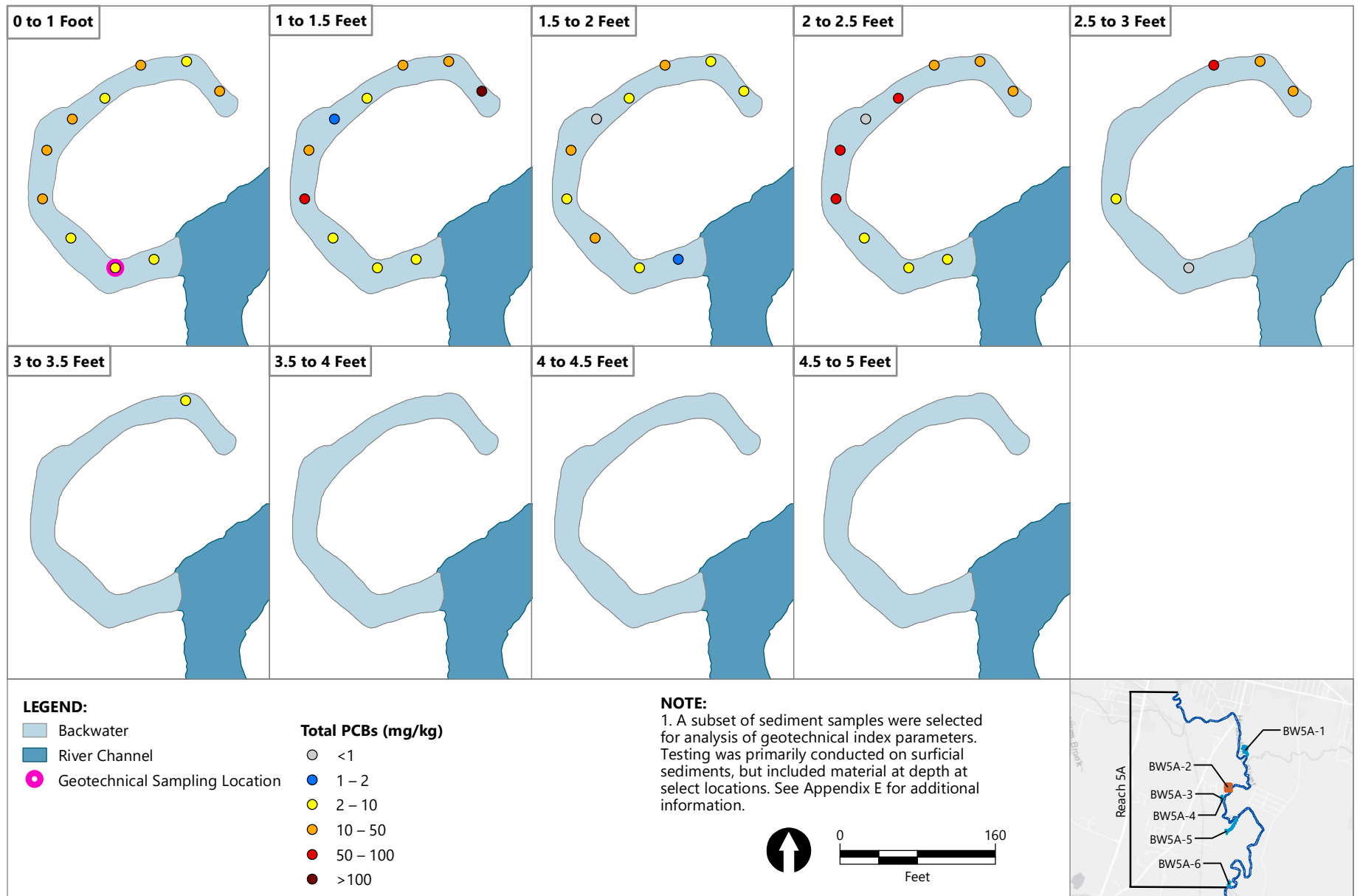


Publish Date: 2023/09/25, 3:41 PM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-12_SedimentResults_Backwater.mxd



Figure 2-12a
Backwater PDI Sediment PCB Results (BW5A-1)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River

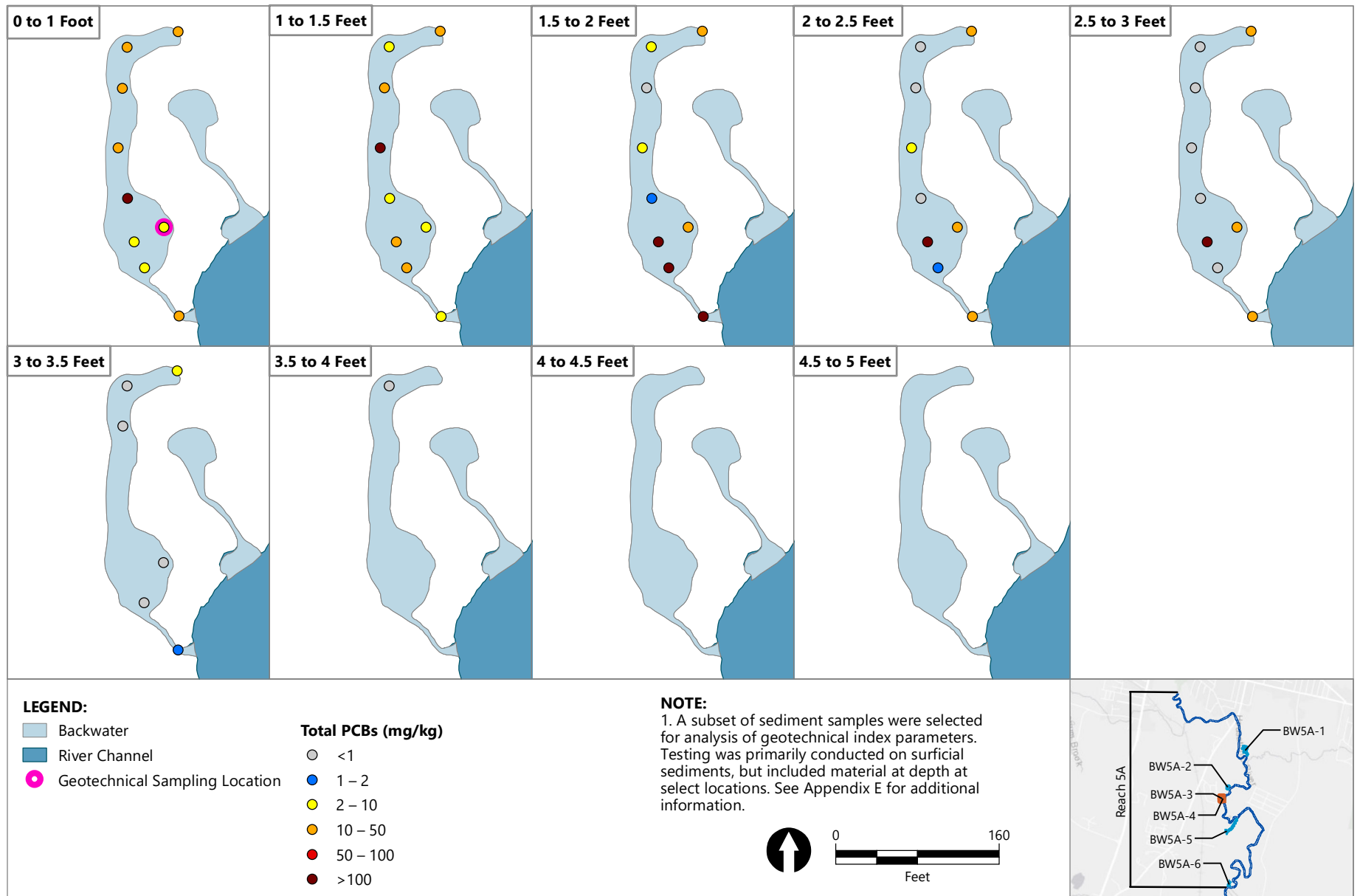


Publish Date: 2023/09/22, 11:23 AM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDI\SedimentResults_Backwater.mxd



Figure 2-12b
Backwater PDI Sediment PCB Results (BW5A-2)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River

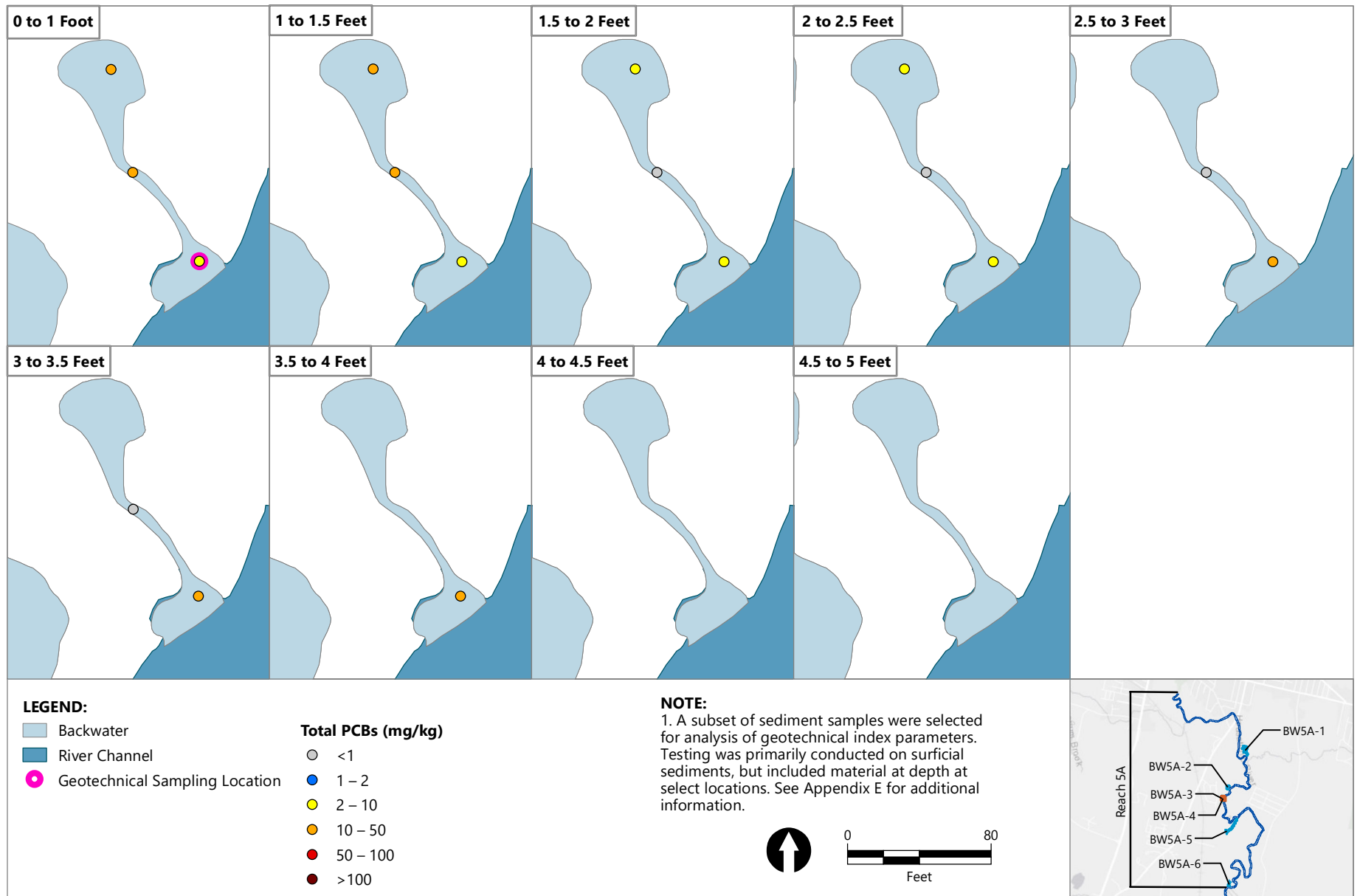


Publish Date: 2023/09/22, 11:23 AM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-12_SedimentResults_Backwater.mxd



Figure 2-12c
Backwater PDI Sediment PCB Results (BW5A-3)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River

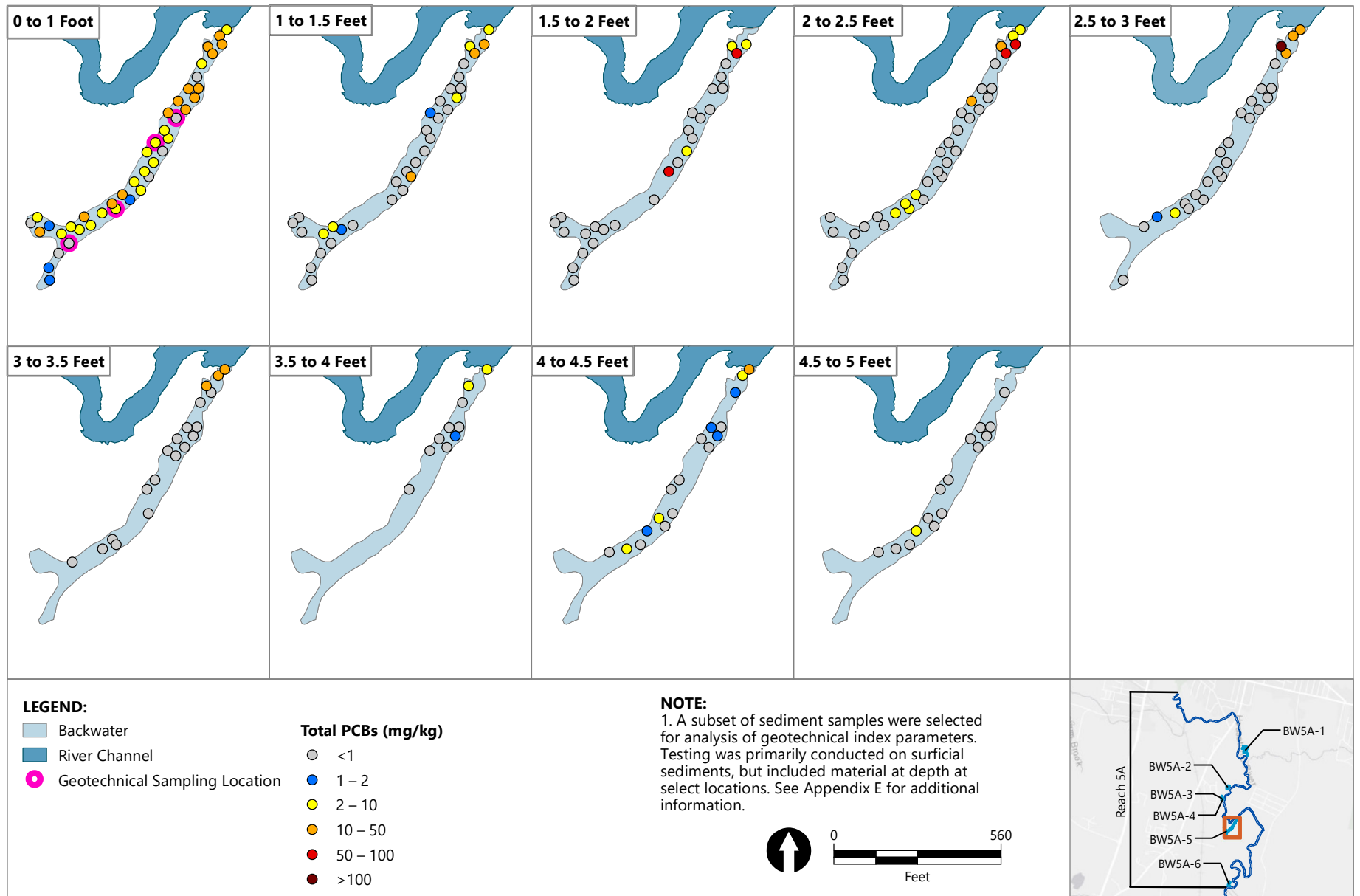


Publish Date: 2023/09/22, 11:23 AM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDI\SedimentResults_Backwater.mxd



Figure 2-12d
Backwater PDI Sediment PCB Results (BW5A-4)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



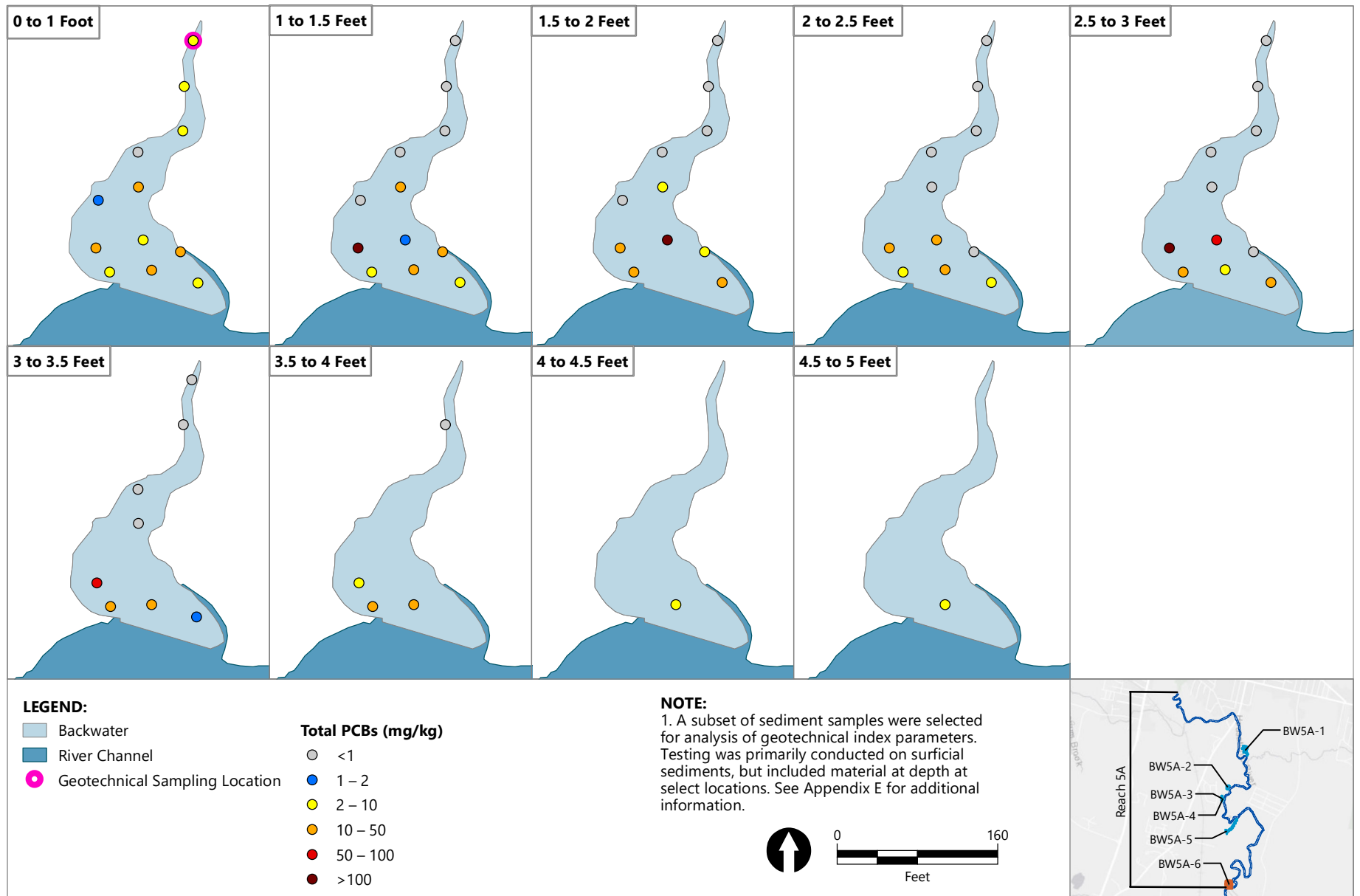
Publish Date: 2023/09/22, 11:23 AM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDI\SedimentResults_Backwater.mxd



Figure 2-12e
Backwater PDI Sediment PCB Results (BW5A-5)

PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River

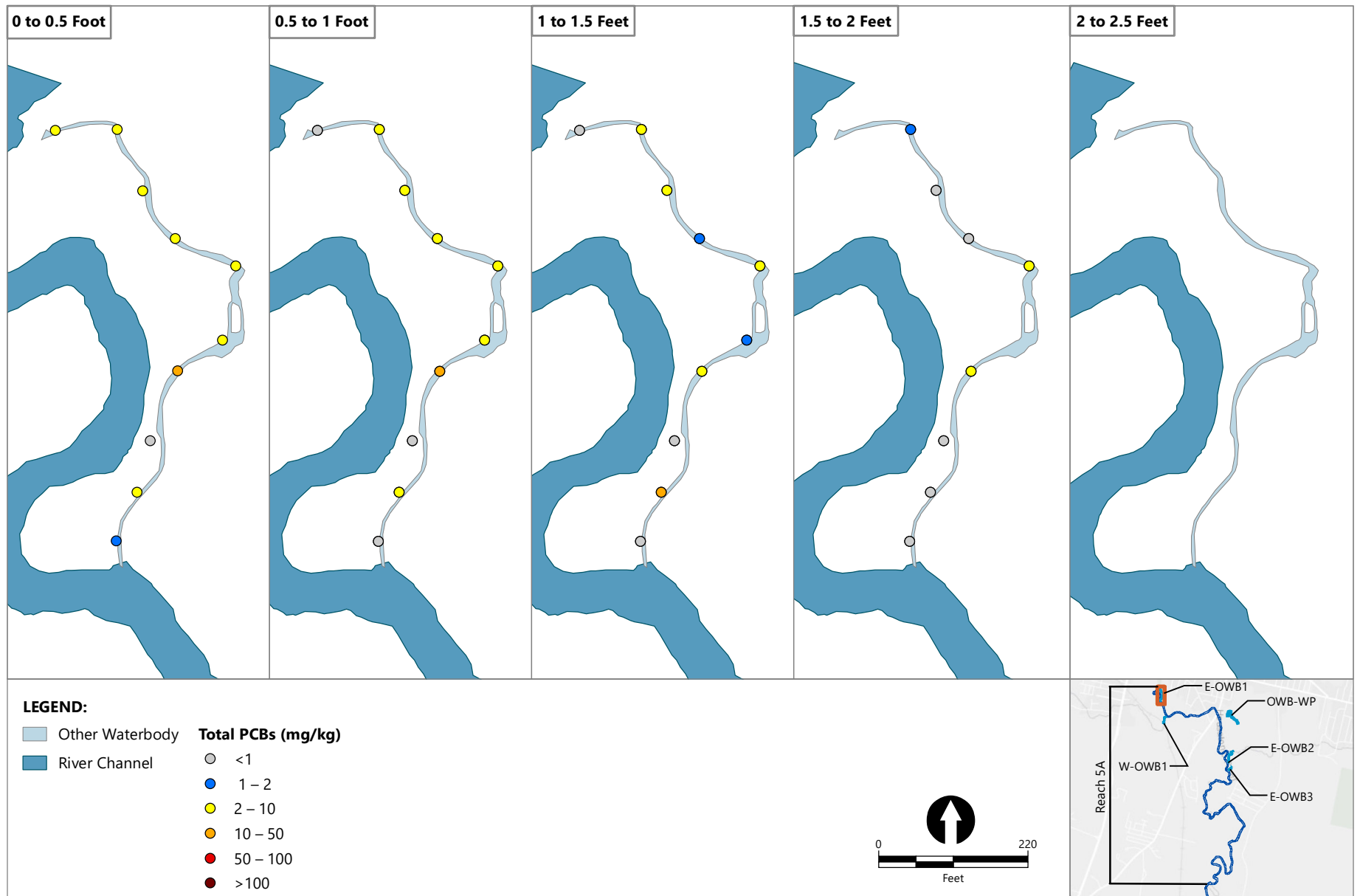


Publish Date: 2023/09/22, 11:23 AM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDI\SedimentResults_Backwater.mxd



Figure 2-12f
Backwater PDI Sediment PCB Results (BW5A-6)
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



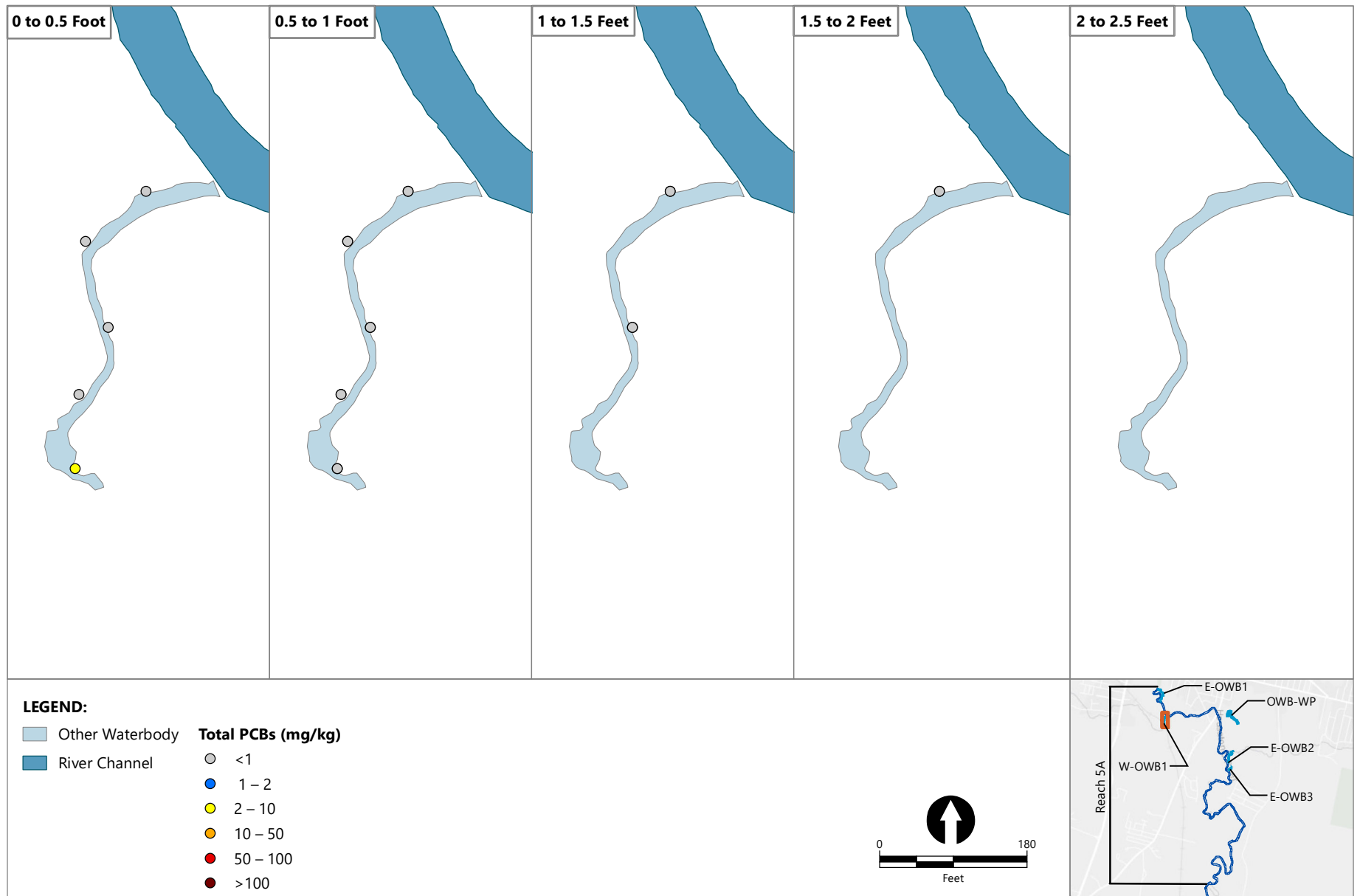
Publish Date: 2023/09/22, 2:13 PM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-13_SedimentResults_OWB.mxd



Figure 2-13a
Other Waterbodies PDI Sediment PCB Results (Intermittent Side Channel; E-OWB1)

PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



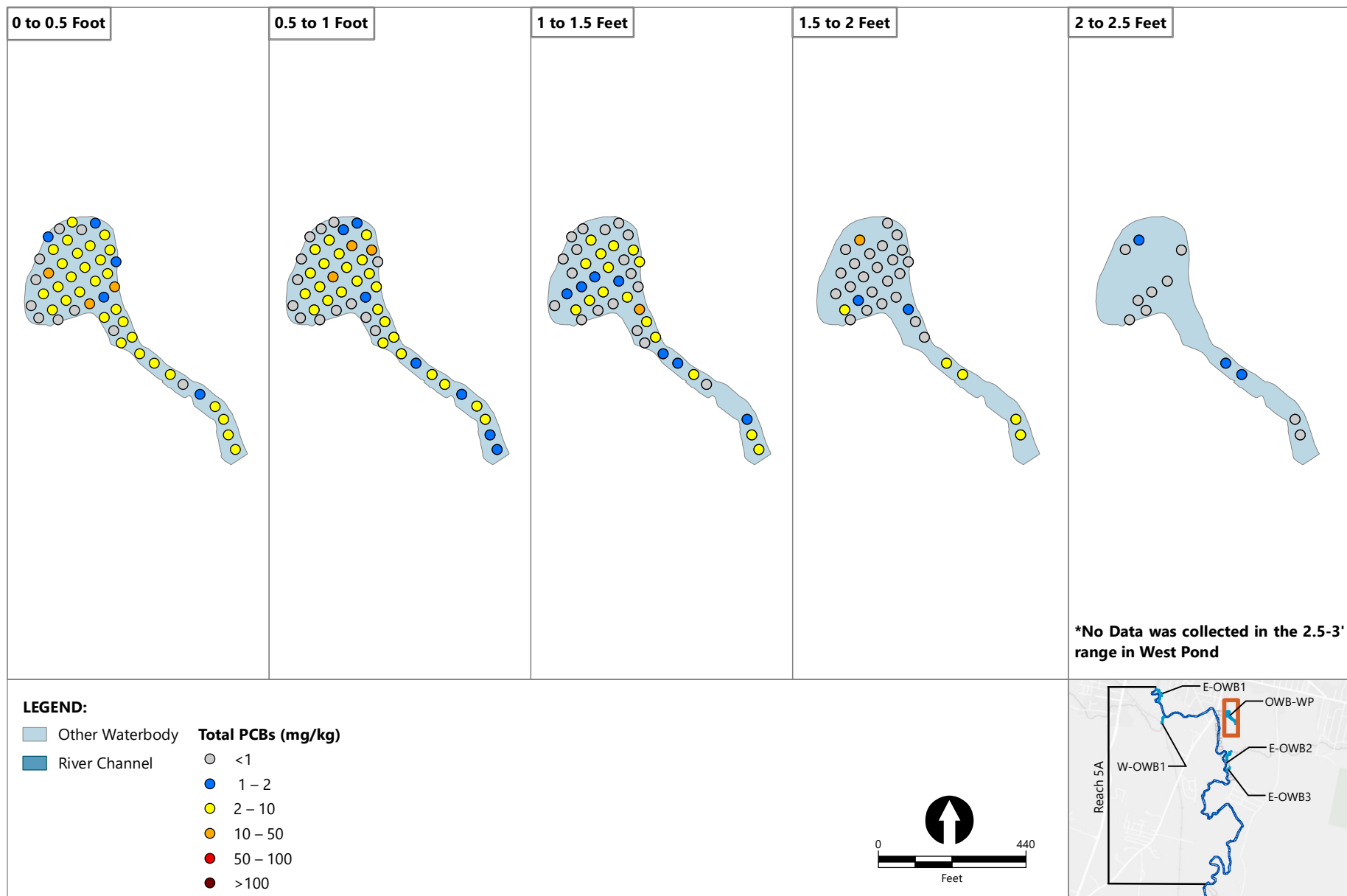
Publish Date: 2023/09/22, 2:14 PM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDI\SedimentResults\OWB.mxd



Figure 2-13b
Other Waterbodies PDI Sediment PCB Results (Outlet from Morewood Lake; W-OWB1)

PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



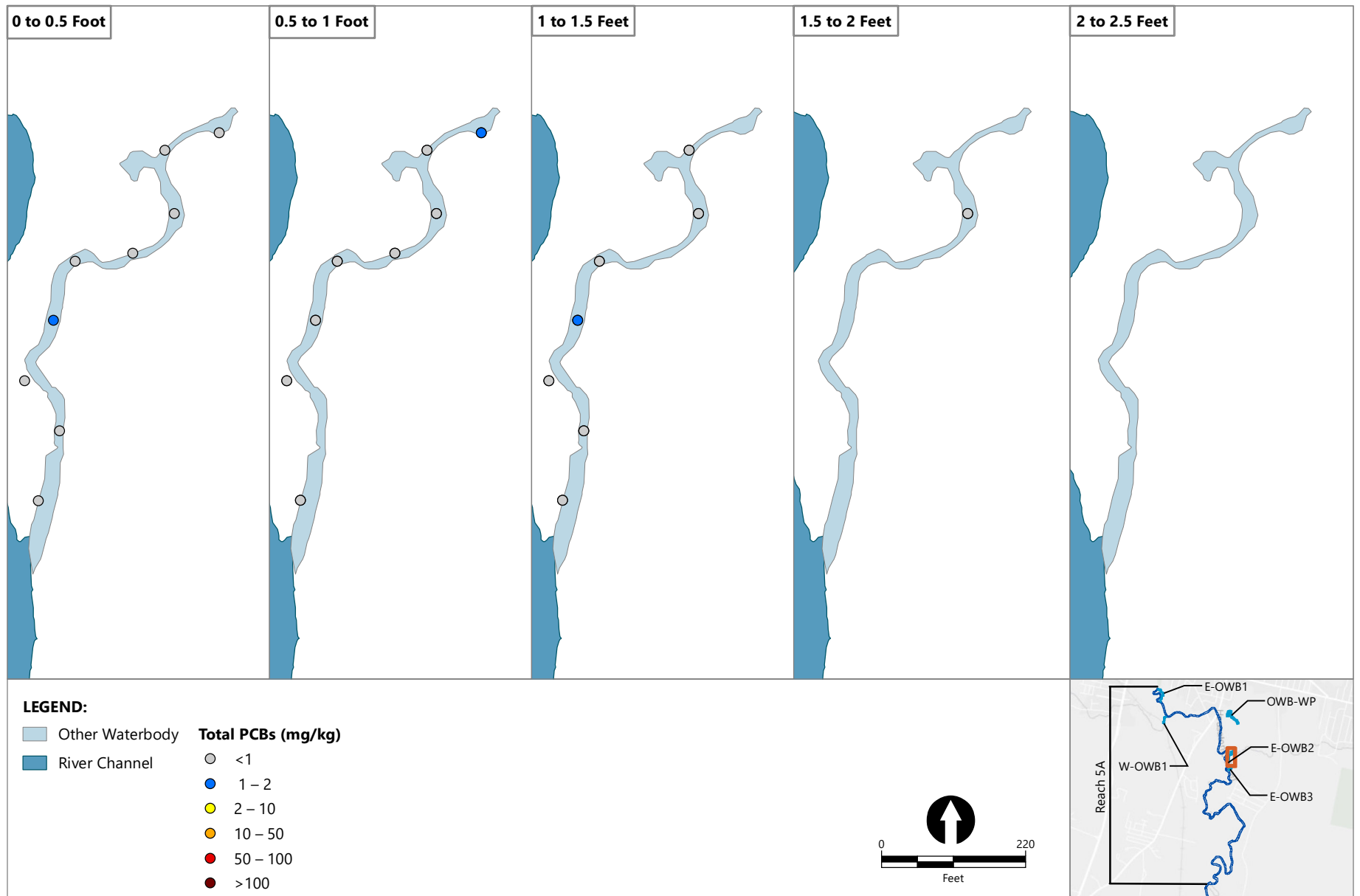
Publish Date: 2023/09/22, 2:14 PM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-13_SedimentResults_OWB.mxd



Figure 2-13c
Other Waterbodies PDI Sediment PCB Results (West Pond; OWB-WP)

PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



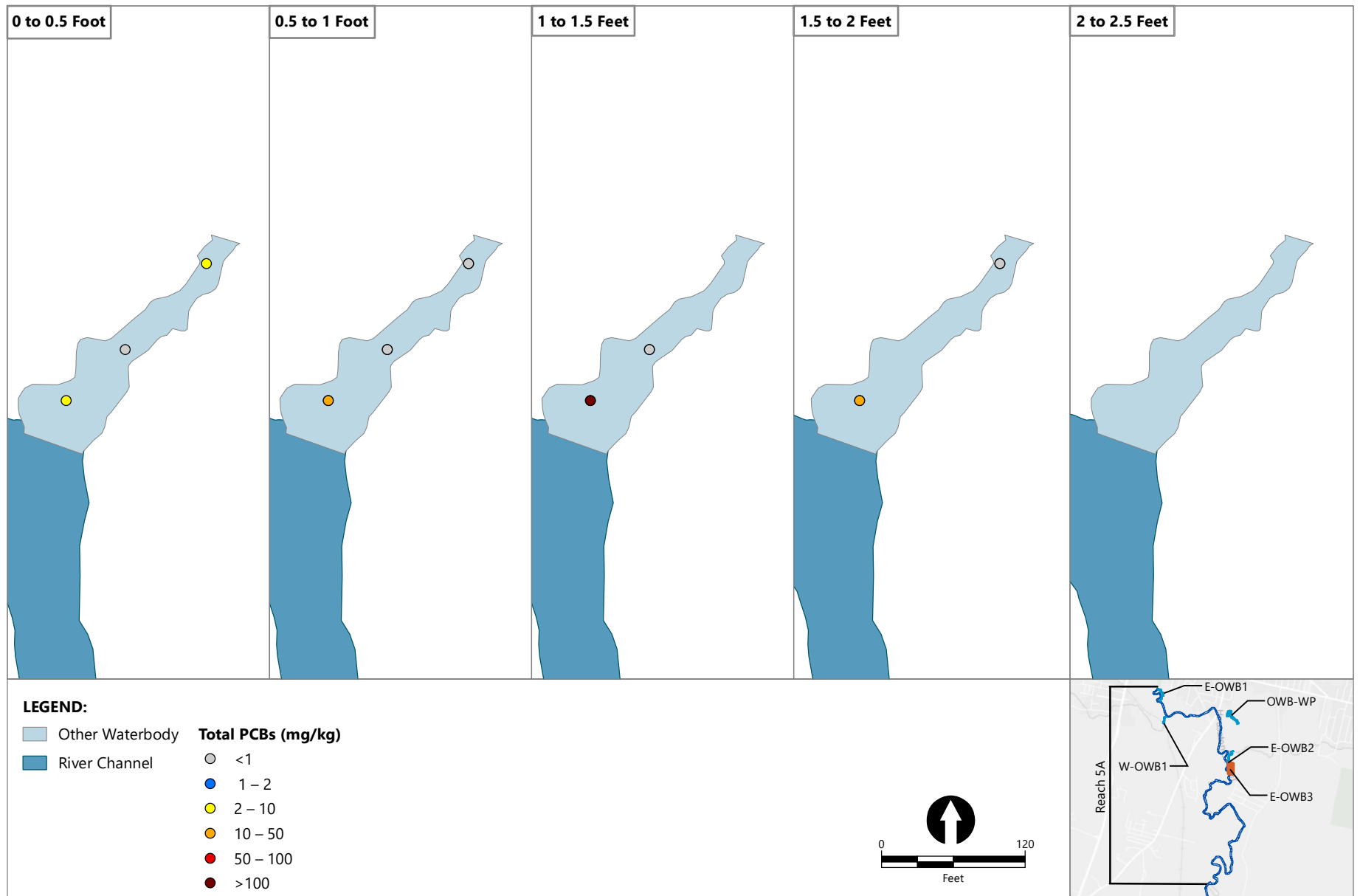
Publish Date: 2023/09/22, 2:14 PM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-13_SedimentResults_OWb.mxd



Figure 2-13d
Other Waterbodies PDI Sediment PCB Results (Lower Sackett Brook; E-OWB2)

PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



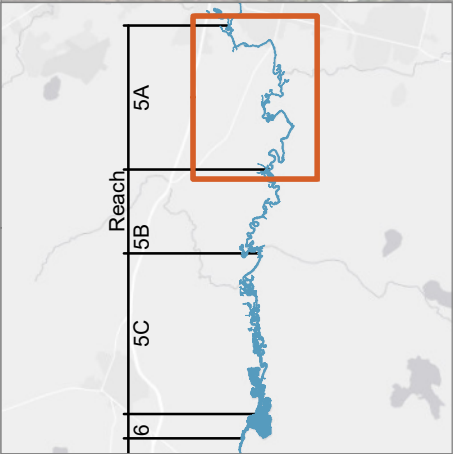
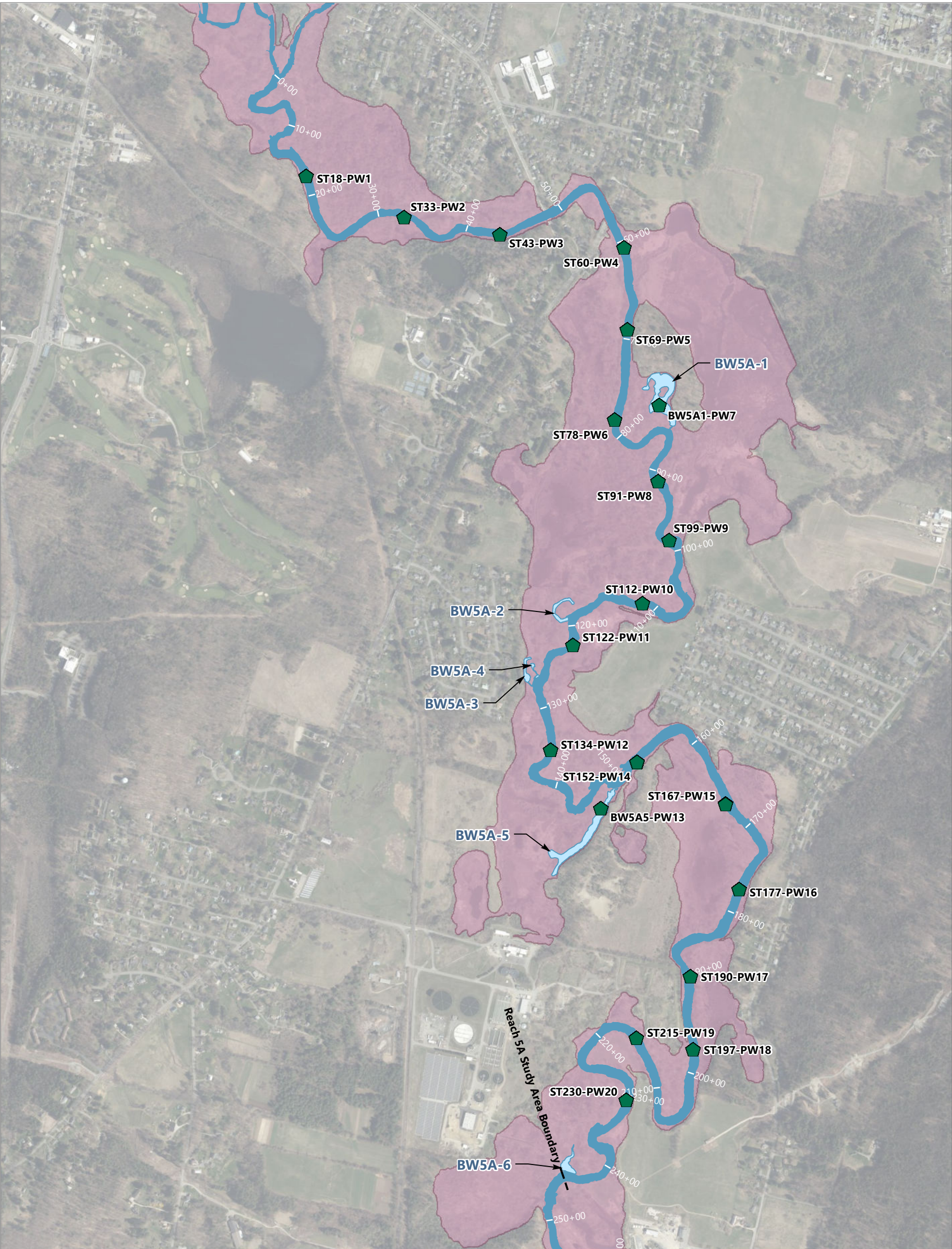
Publish Date: 2023/09/22, 2:14 PM | User: aconstant

Filepath: \\Orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-13_SedimentResults_OWb.mxd



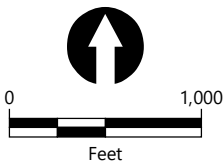
Figure 2-13e
Other Waterbodies PDI Sediment PCB Results (Lower Sykes Brook; E-OWB3)

PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



LEGEND:

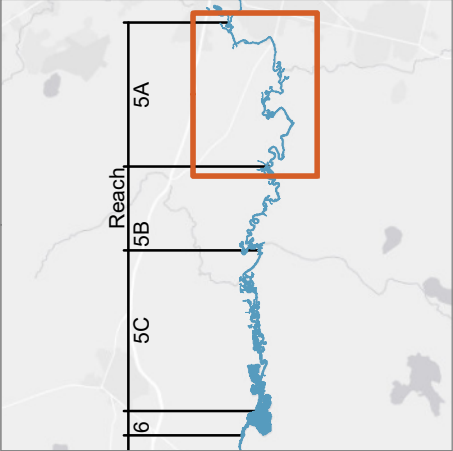
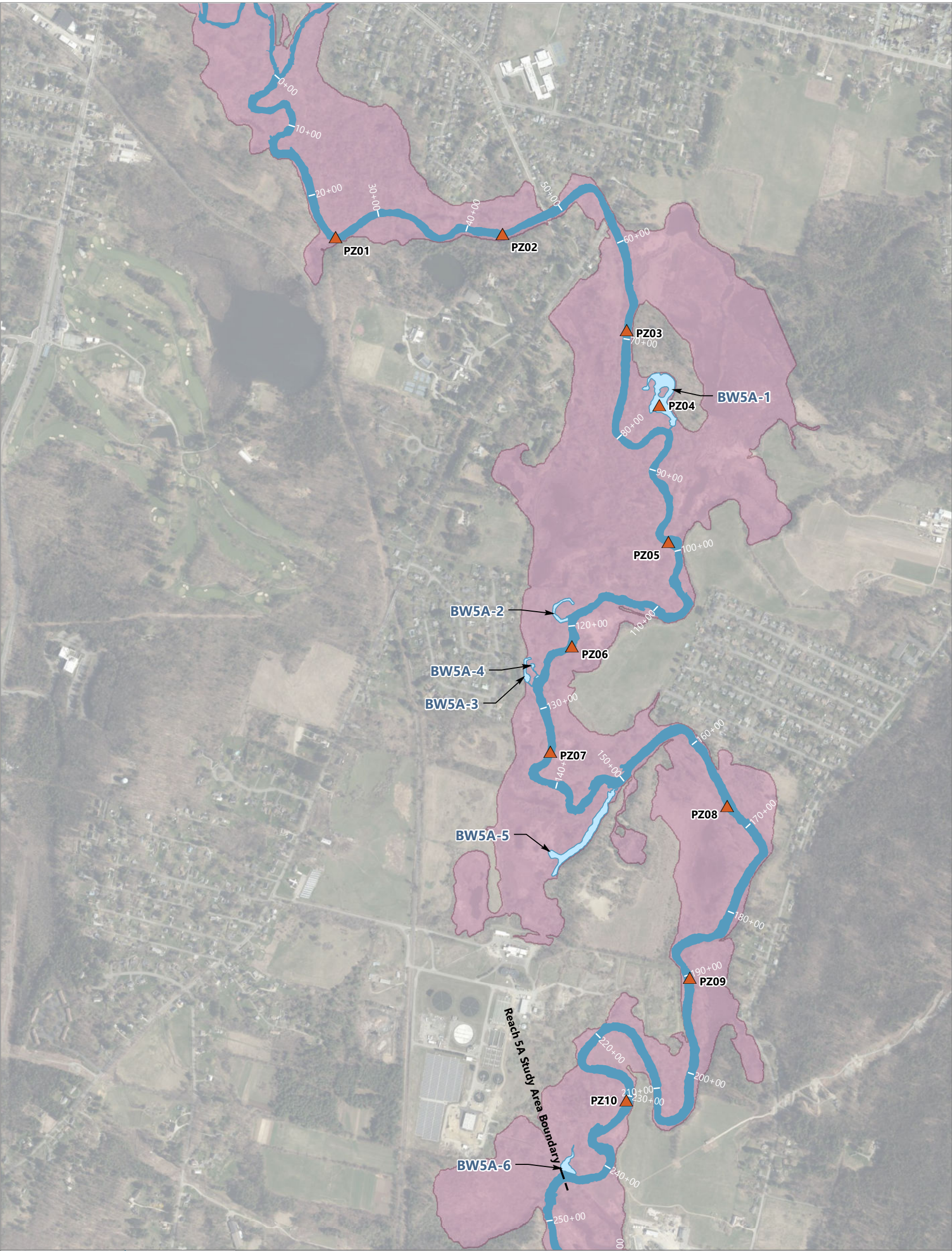
- 1 mg/kg PCB Isopleth
- Channel (AECOM and Anchor QEA 2022)
- Backwaters (AECOM and Anchor QEA 2020)
- 0+00 River Stationing
- Porewater Locations



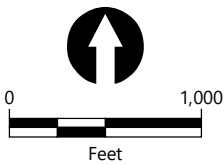
Publish Date: 2023/09/22, 4:10 PM | User: nwagner
Filepath: \\orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-14_Porewater.mxd

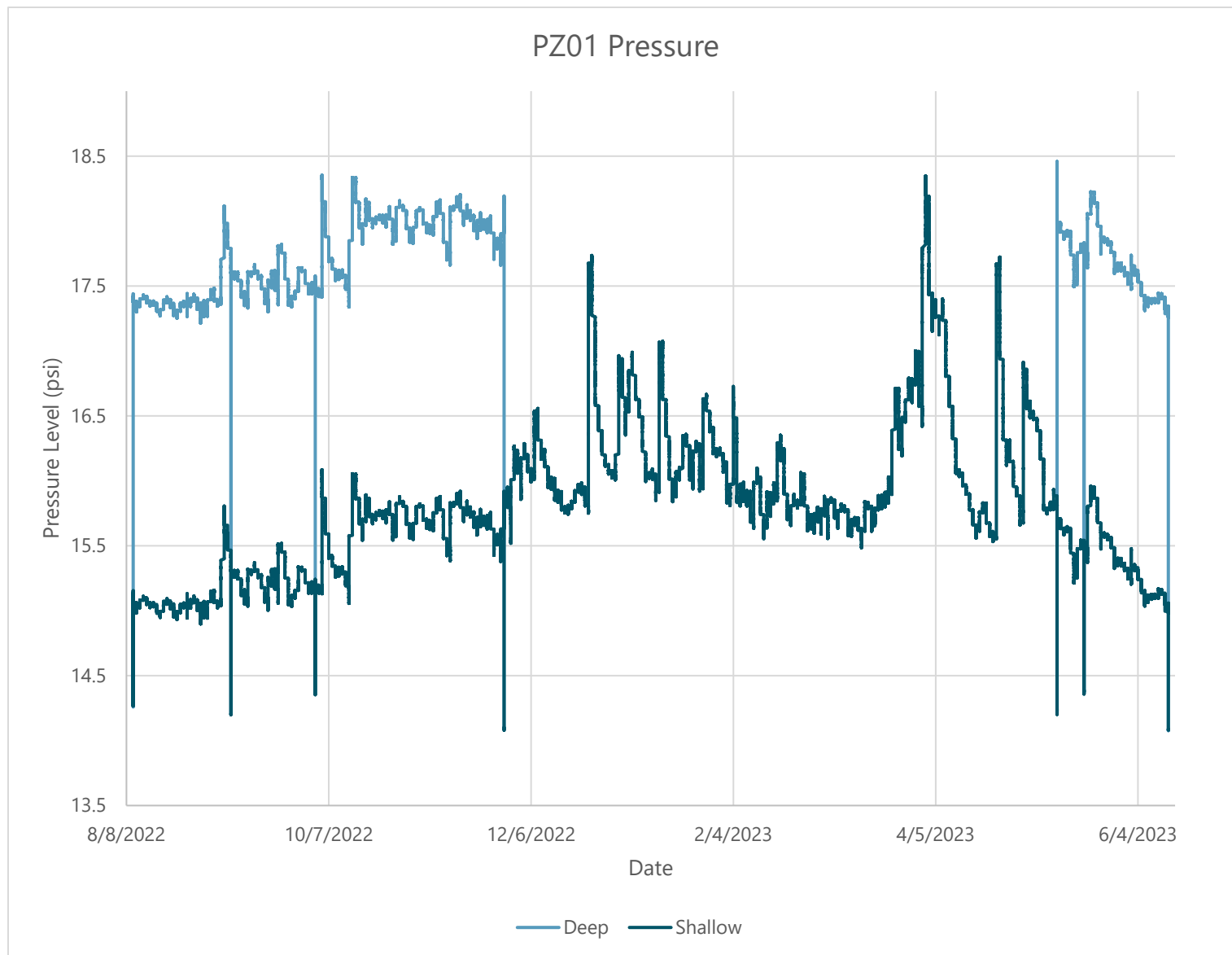


Figure 2-14
Sediment Porewater Locations
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



- LEGEND:**
- 1 mg/kg PCB Isopleth
 - Channel (AECOM and Anchor QEA 2022)
 - Backwaters (AECOM and Anchor QEA 2020)
 - 0+00 River Stationing
 - Piezometer Locations

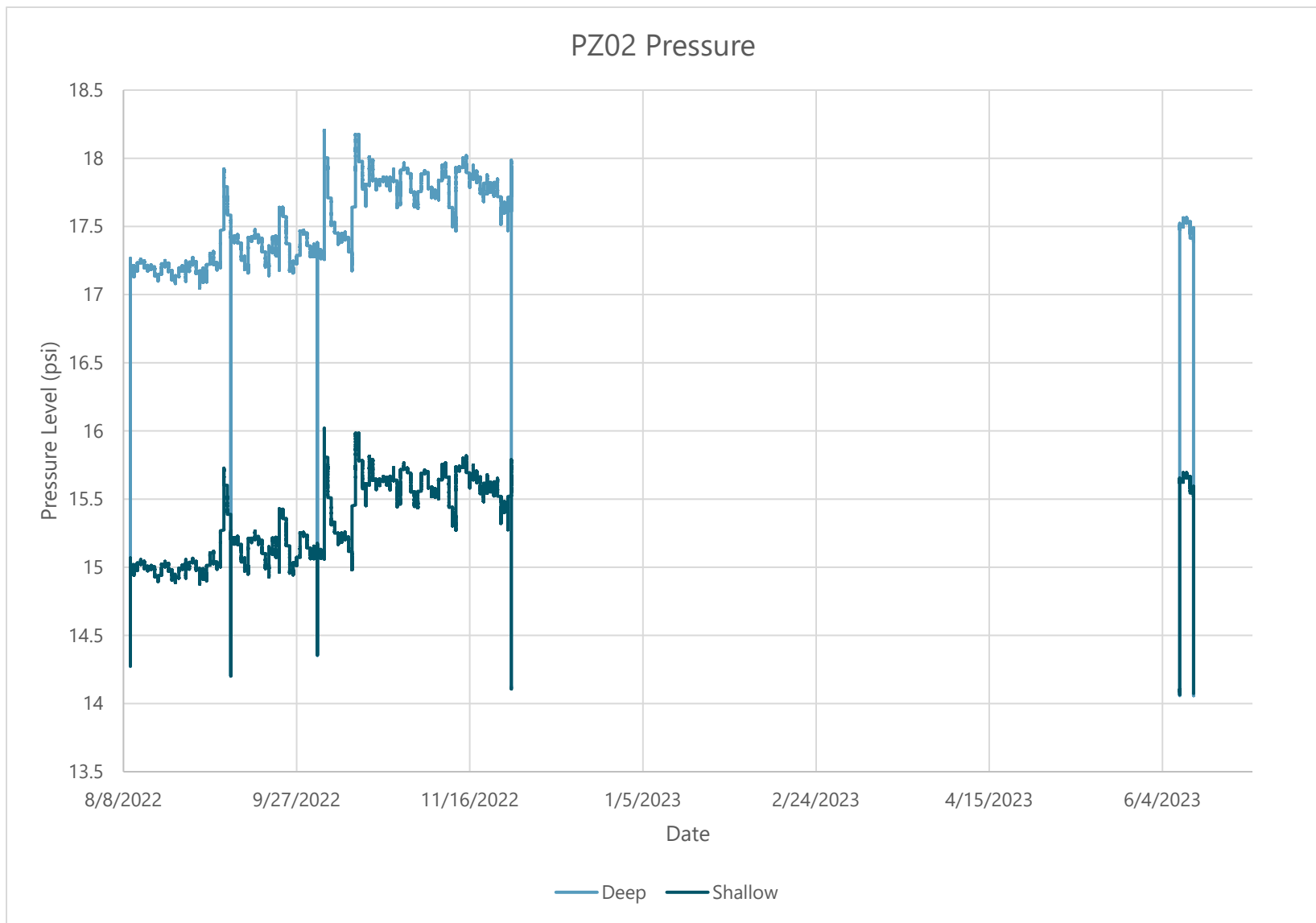




Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ01 Figure.docx



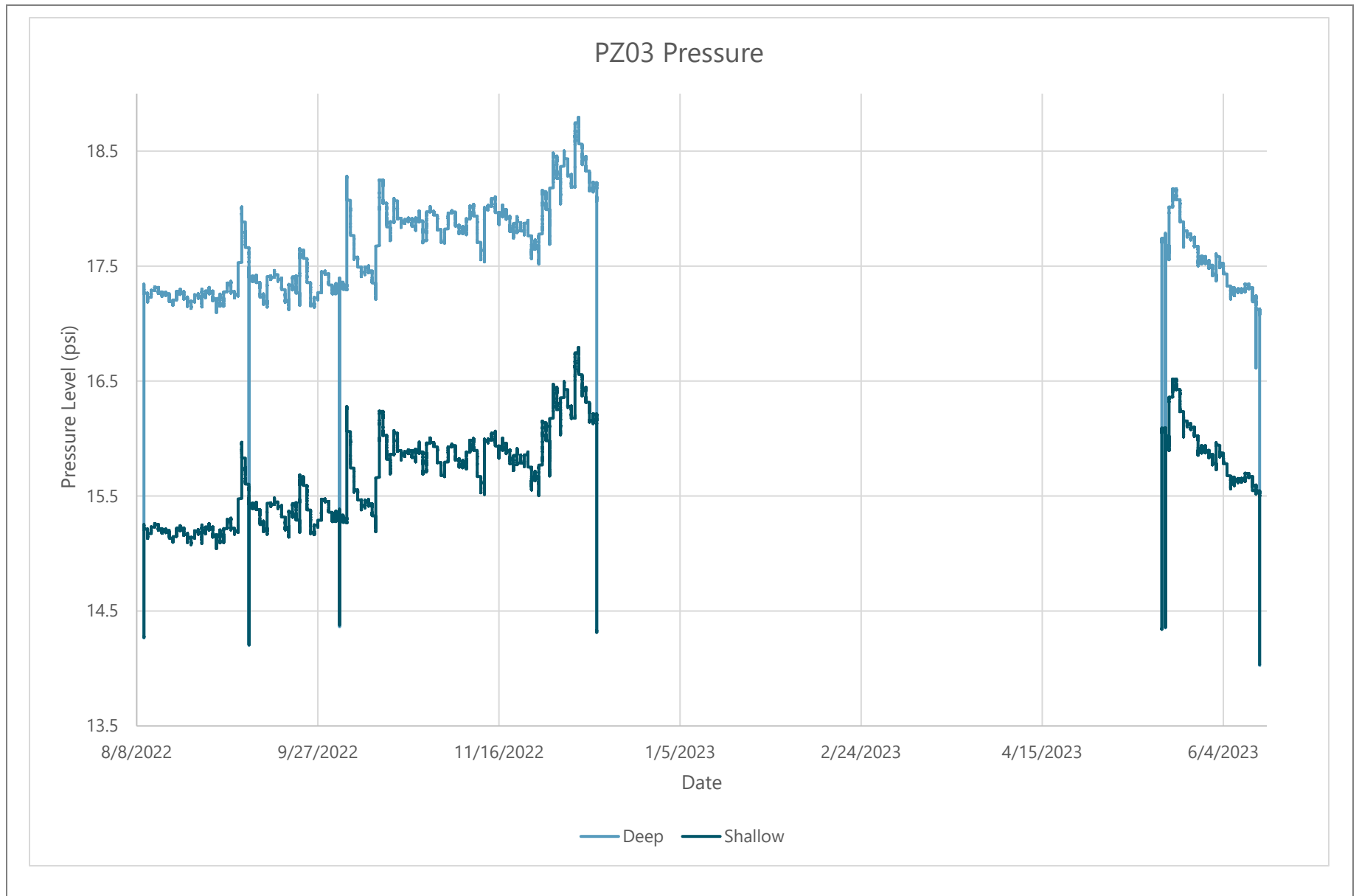
Figure 2-16a
Piezometer Pressure Record – PZ01
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ02 Figure.docx



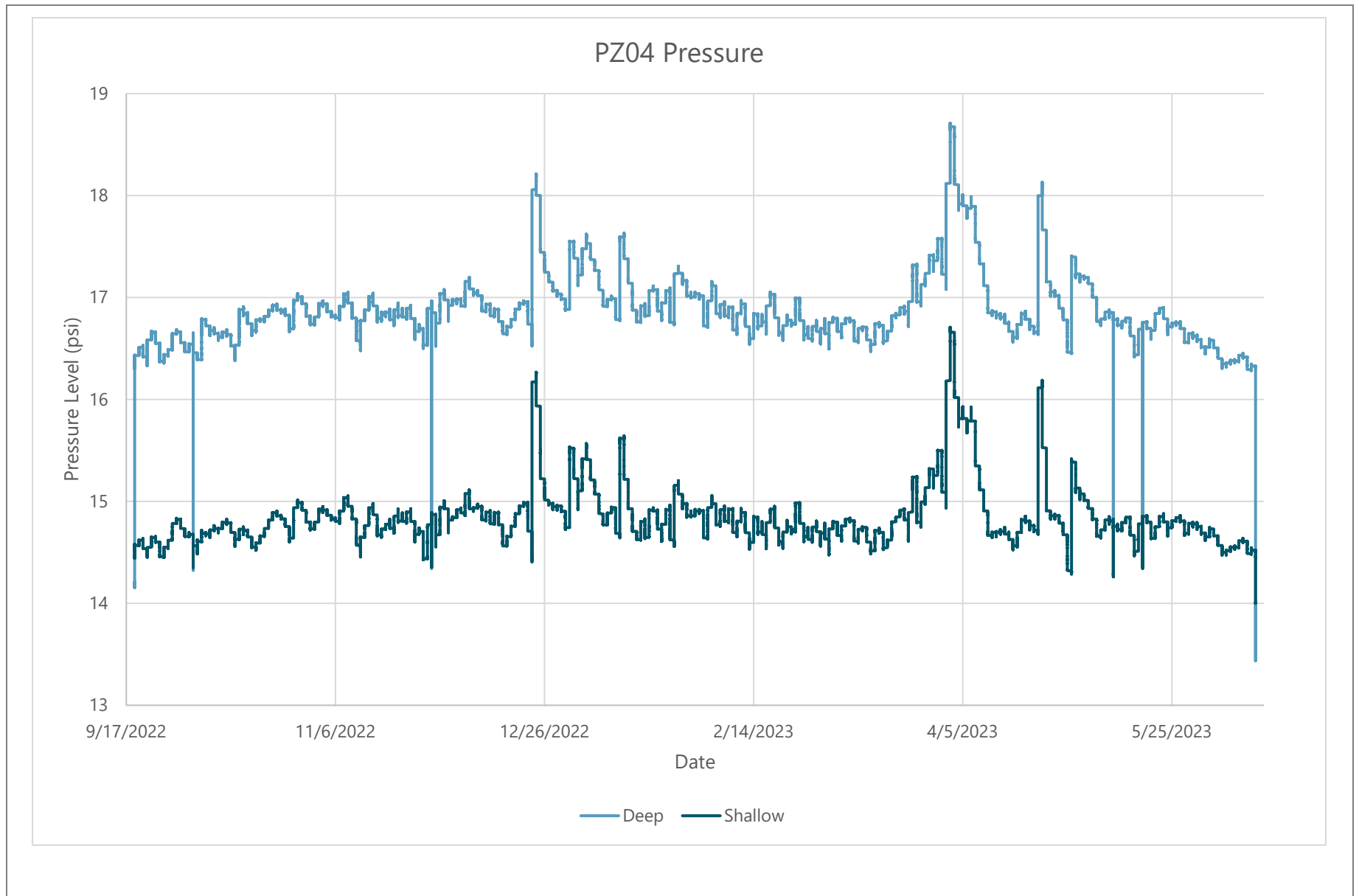
Figure 2-16b
Piezometer Pressure Record – PZ02
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ03 Figure.docx



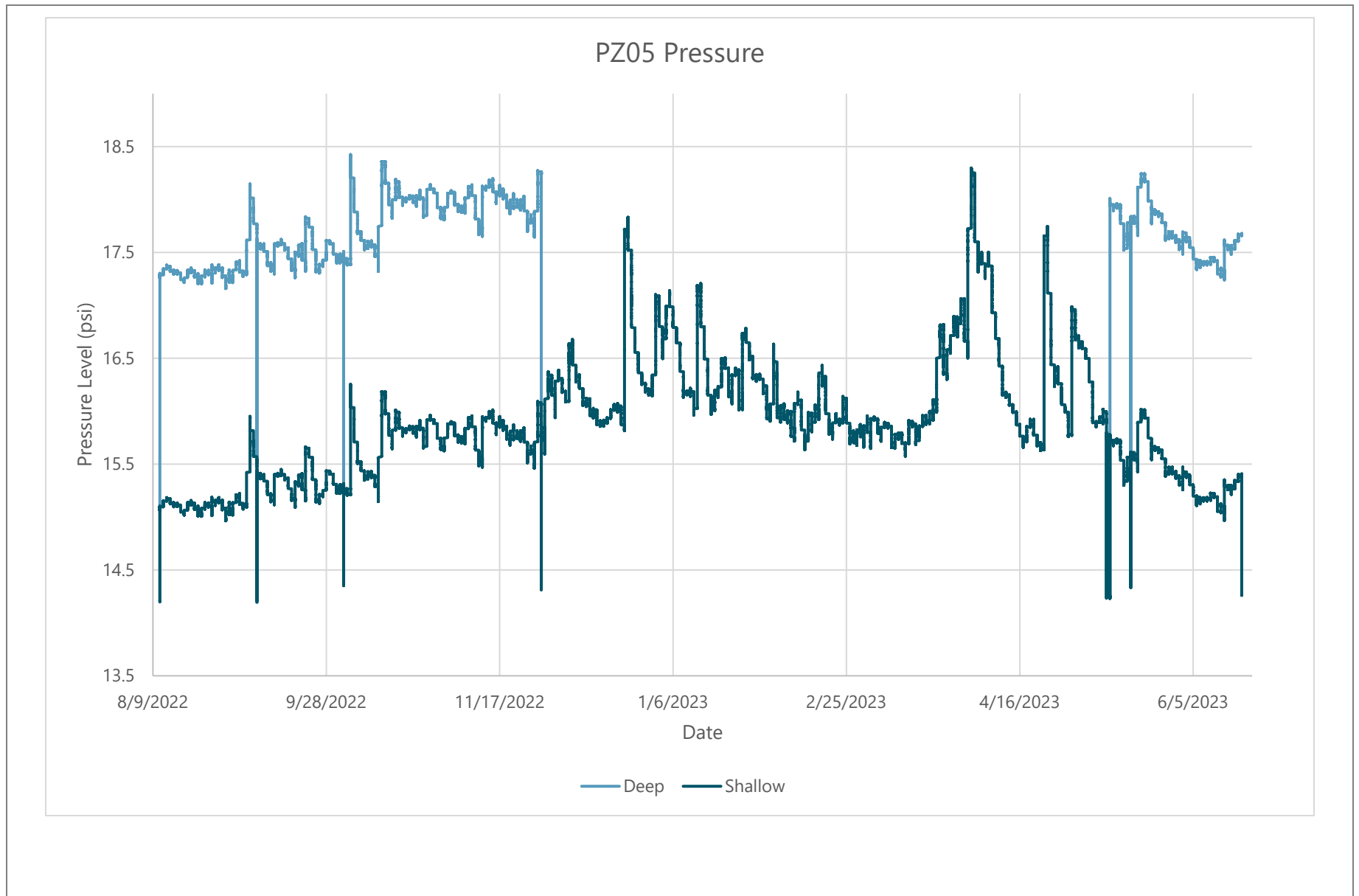
Figure 2-16c
Piezometer Pressure Record – PZ03
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ04 Figure.docx



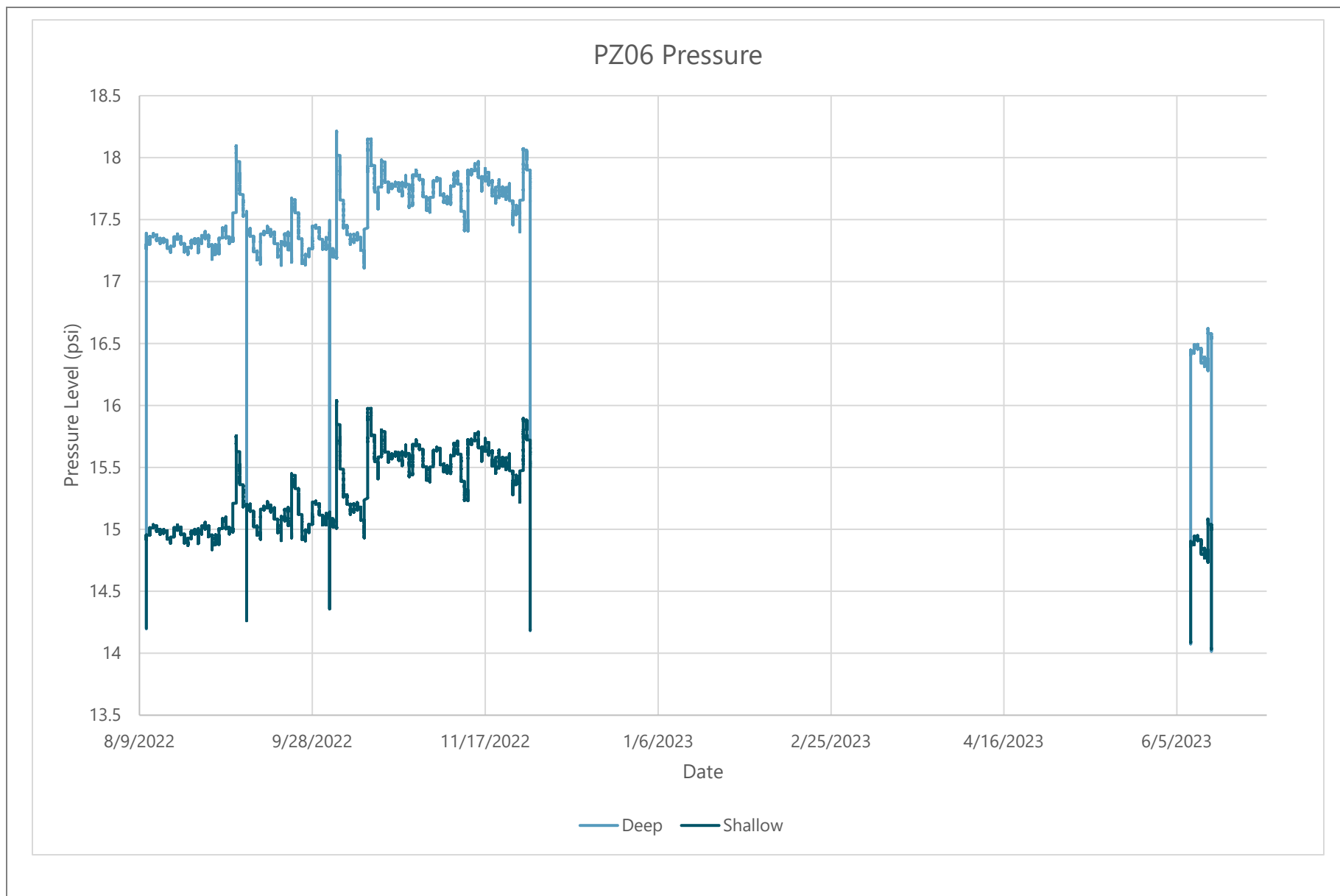
Figure 2-16d
Piezometer Pressure Record – PZ04
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ05 Figure.docx



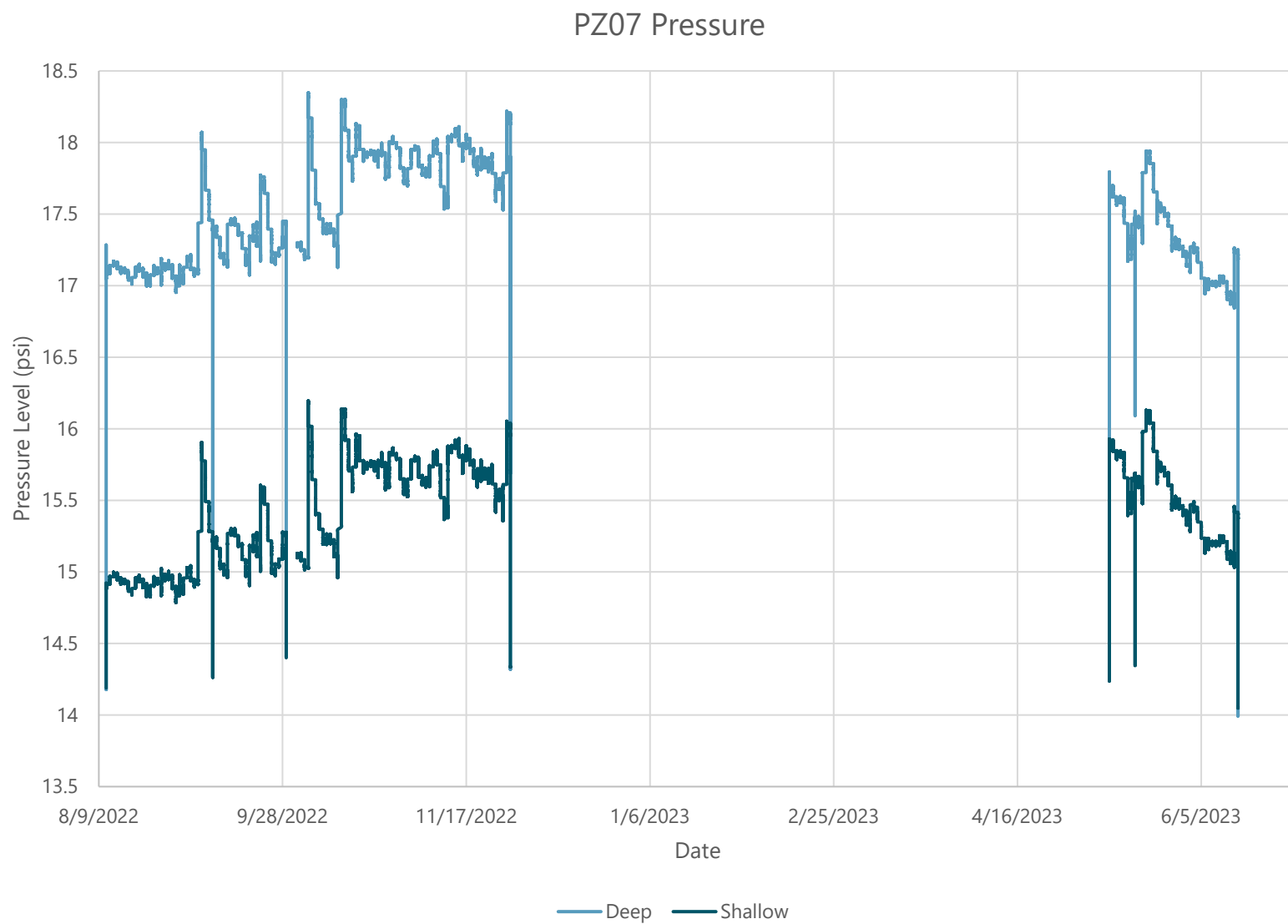
Figure 2-16e
Piezometer Pressure Record – PZ05
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ06 Figure.docx



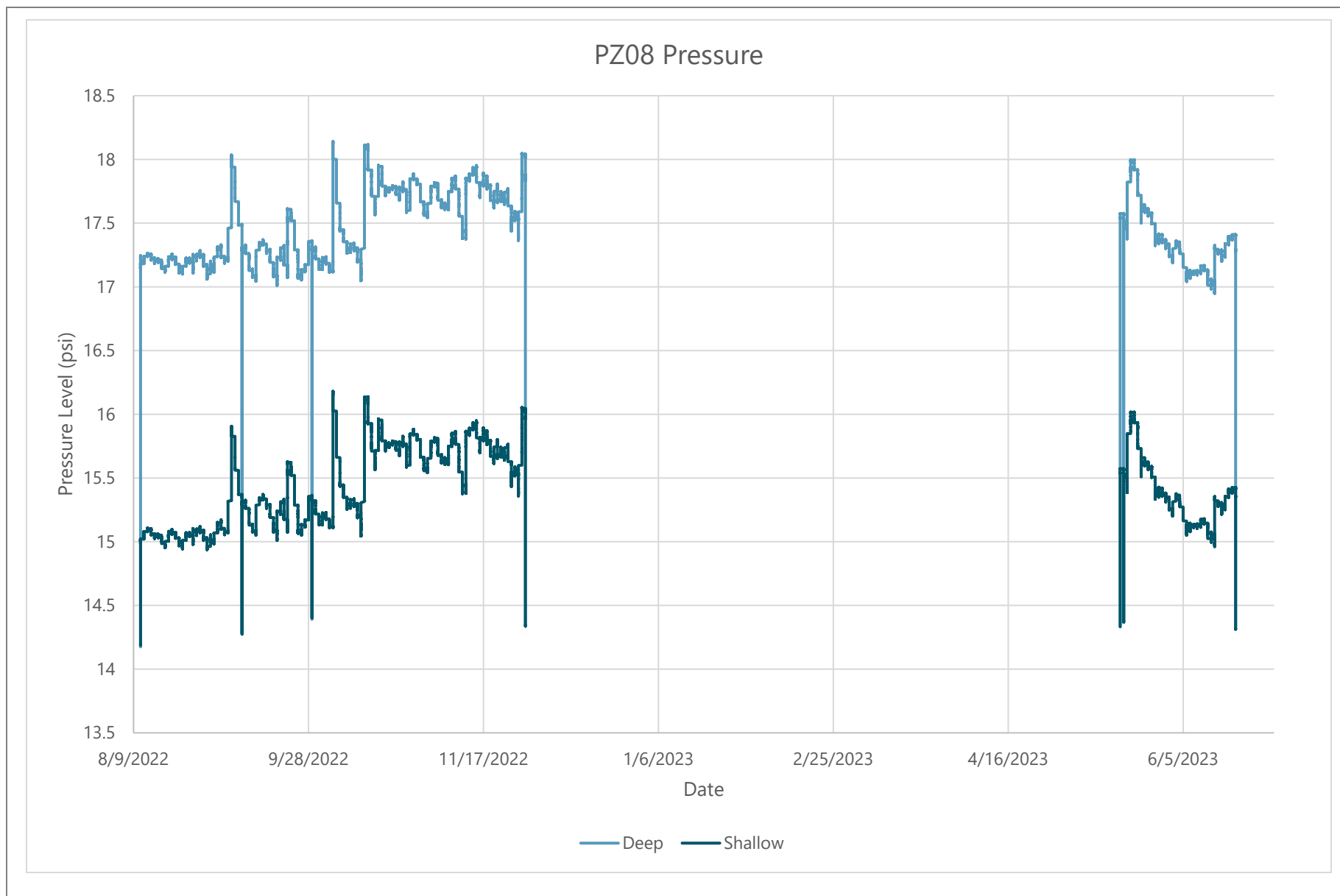
Figure 2-16f
Piezometer Pressure Record – PZ06
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ07 Figure.docx



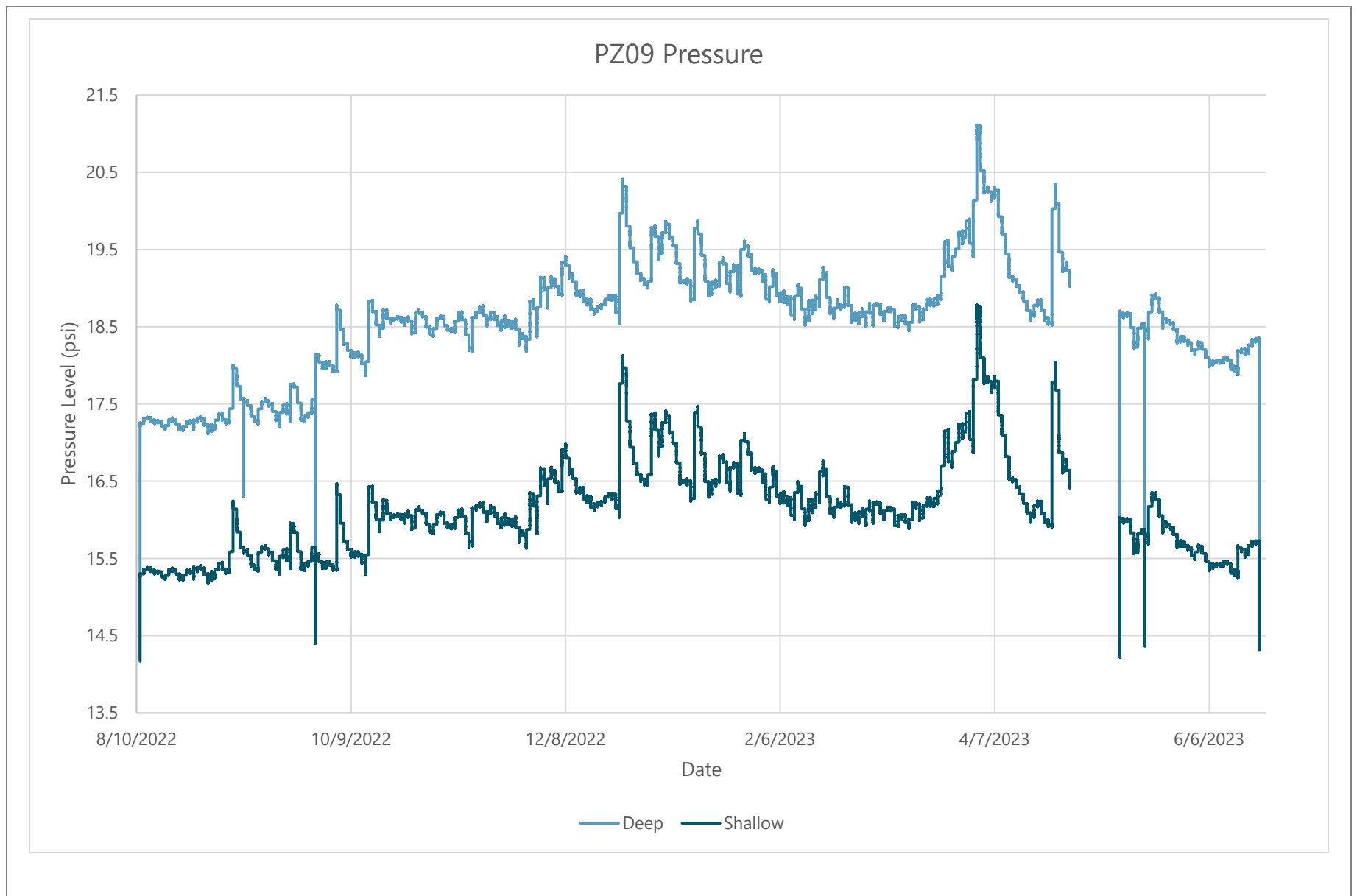
Figure 2-16g
Piezometer Pressure Record – PZ07
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ08 Figure.docx



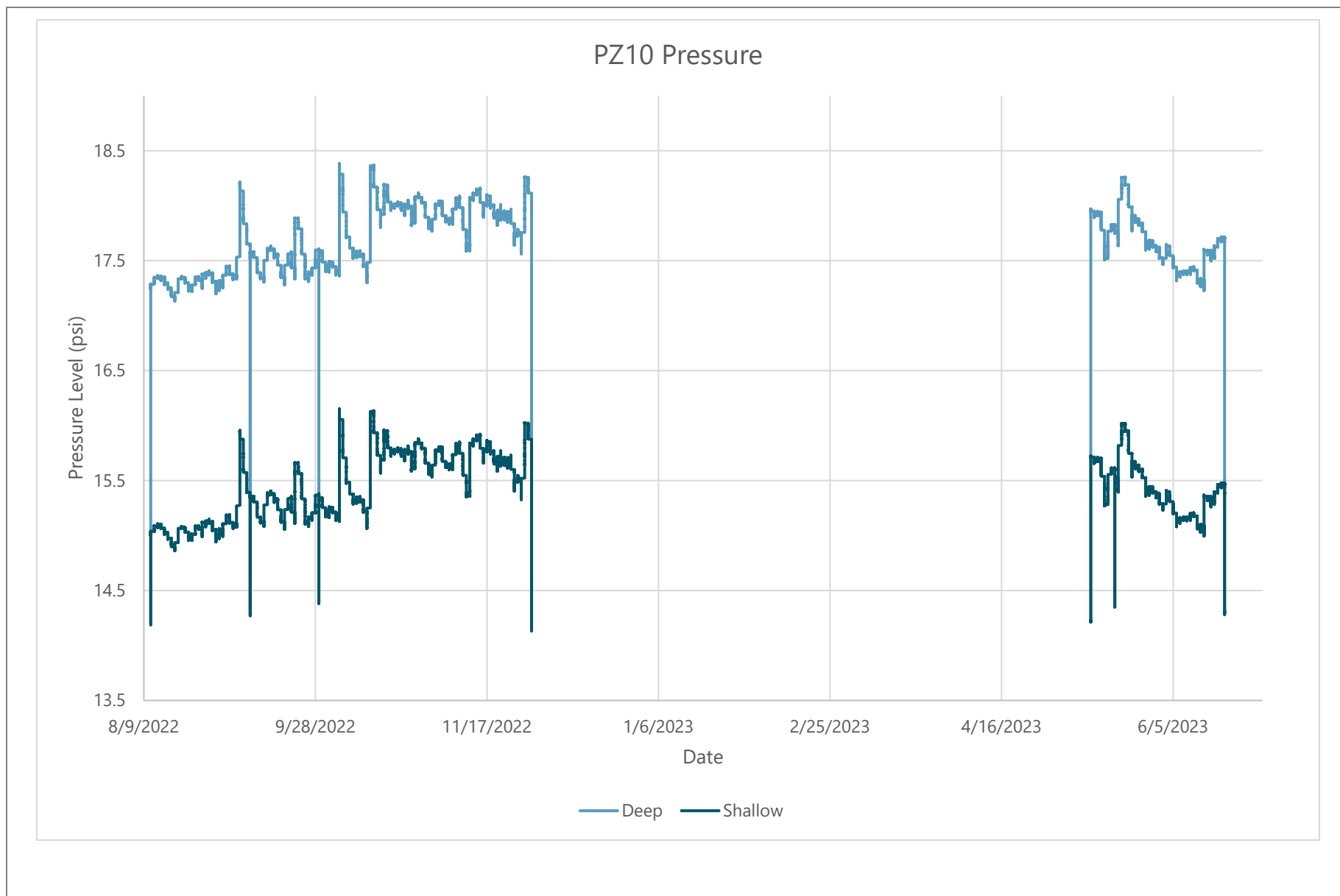
Figure 2-16h
Piezometer Pressure Record – PZ08
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ09 Figure.docx



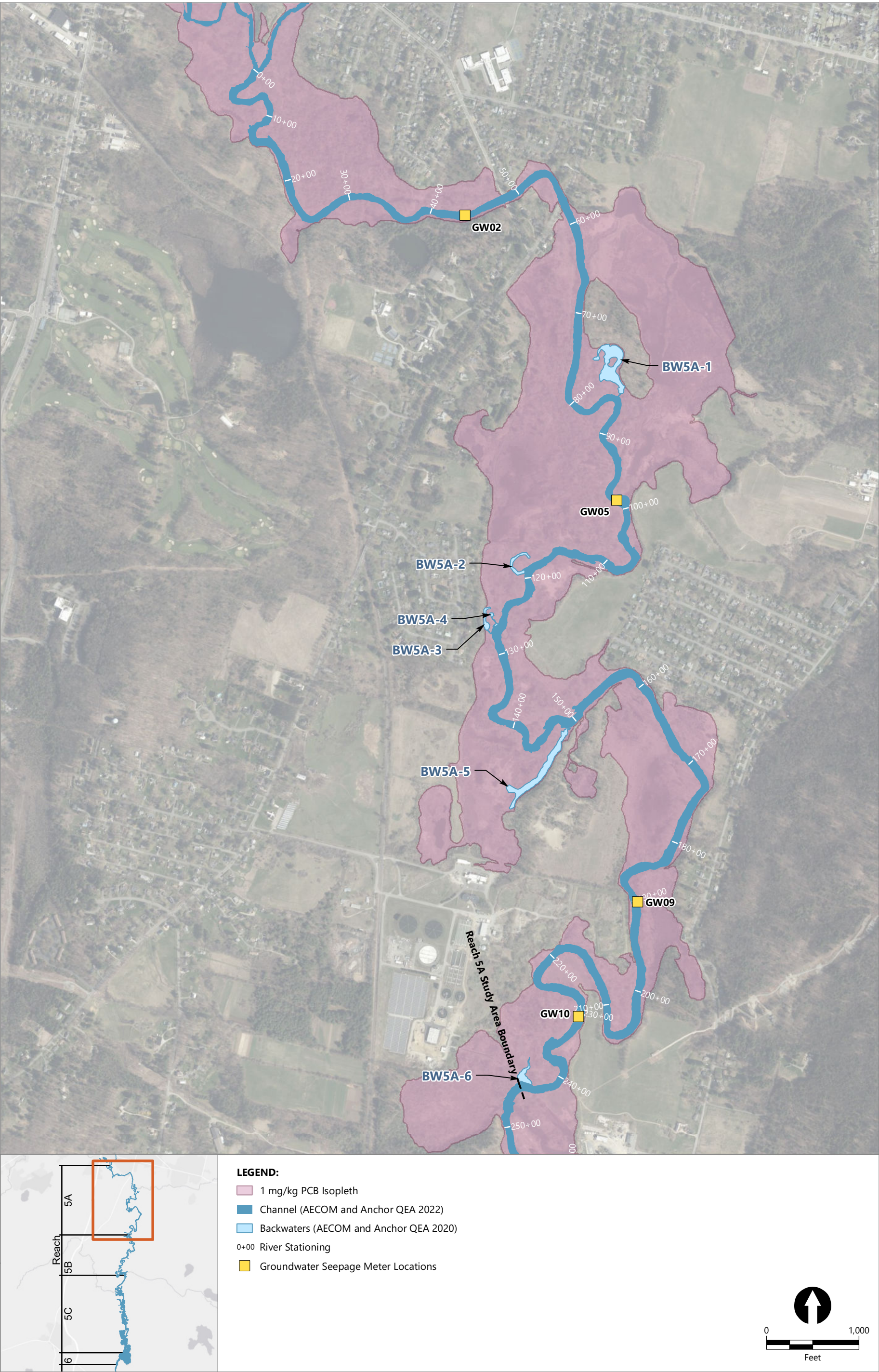
Figure 2-16i
Piezometer Pressure Record – PZ09
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Figures/Figure 2-16_Piezometer Pressure Record Figures/PZ10 Figure.docx



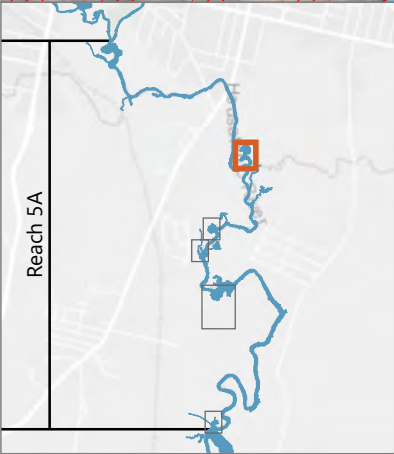
Figure 2-16j
Piezometer Pressure Record – PZ10
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Publish Date: 2023/09/22, 4:16 PM | User: nwagner
Filepath: \\orcas\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R5ASedimentandRiverbank\PDISummaryReport2023\AQ_R5A_PDISR_Fig2-17_SeepageMeters.mxd

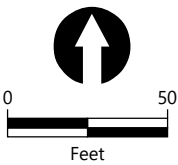


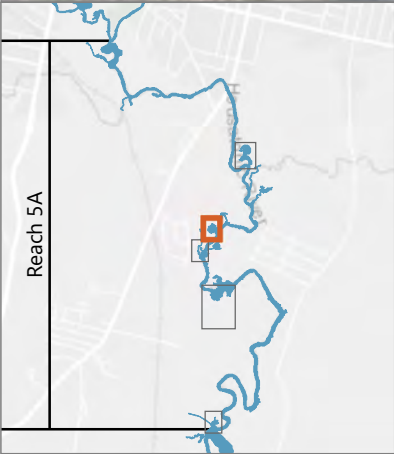
Figure 2-17
Groundwater Seepage Meter Locations
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



- LEGEND:**
- 1 mg/kg PCB Isopleth
 - Backwaters (AECOM and Anchor QEA 2020)
 - River Channel
 - Core Area 1 Habitat
 - Backwater Sampling Grid (50-feet)
 - Vane Shear Testing Location

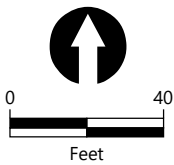
NOTE:
1. The vane shear testing results are shown in Table 2-13.

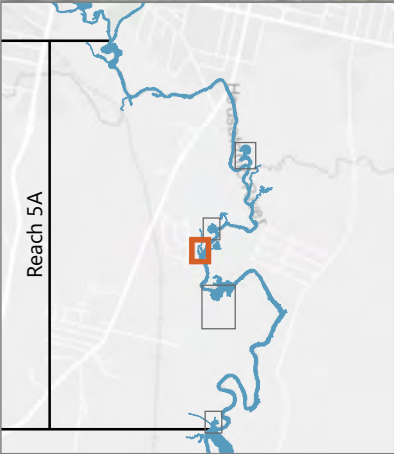
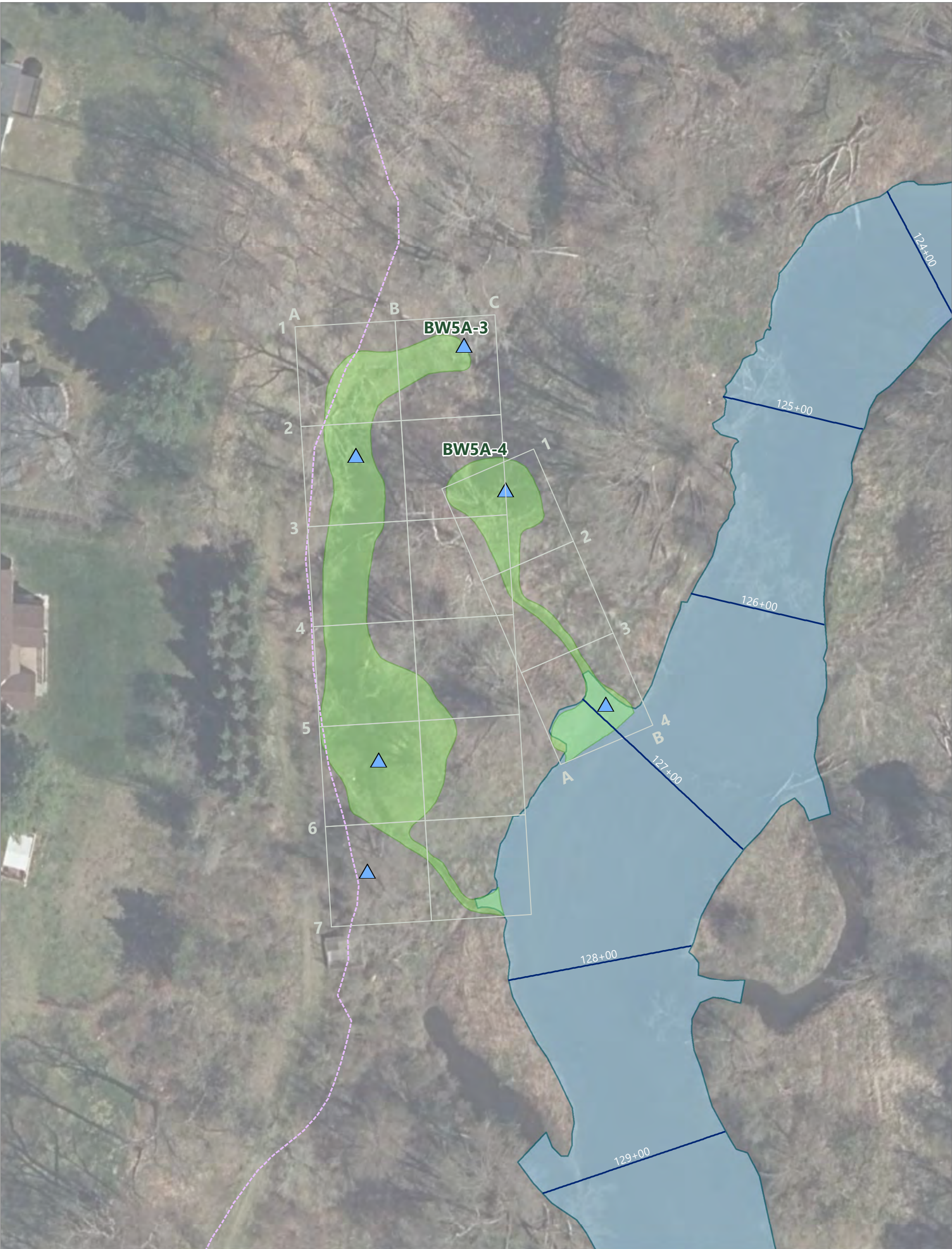




- LEGEND:**
- 1 mg/kg PCB Isopleth
 - Backwaters (AECOM and Anchor QEA 2020)
 - River Channel
 - Core Area 1 Habitat
 - Backwater Sampling Grid (50-feet)
 - Vane Shear Testing Location

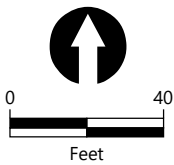
NOTE:
1. The vane shear testing results are shown in Table 2-13.

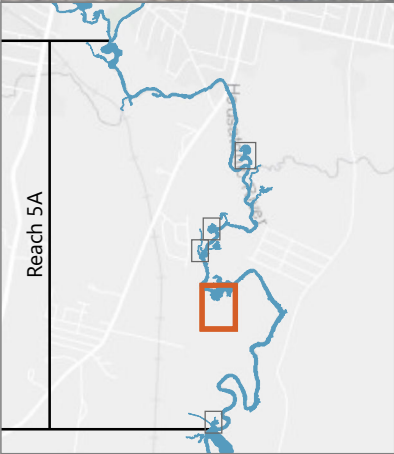
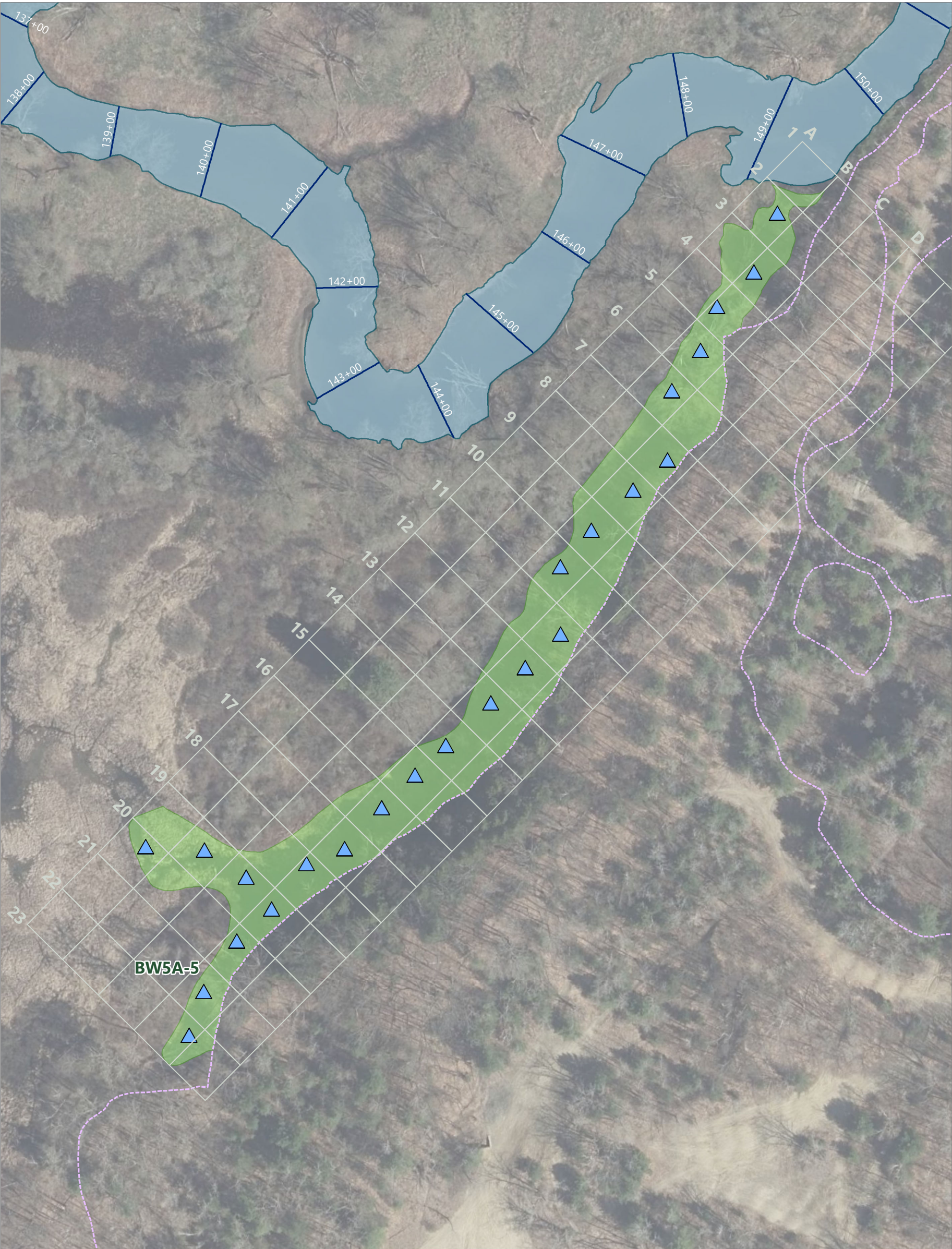




- LEGEND:**
- 1 mg/kg PCB Isopleth
 - Backwaters (AECOM and Anchor QEA 2020)
 - River Channel
 - Backwater Sampling Grid (50-feet)
 - Vane Shear Testing Location

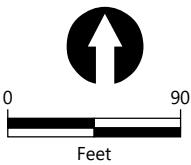
NOTE:
1. The vane shear testing results are shown in Table 2-13.

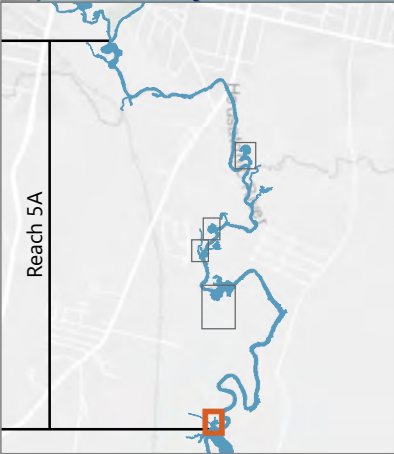
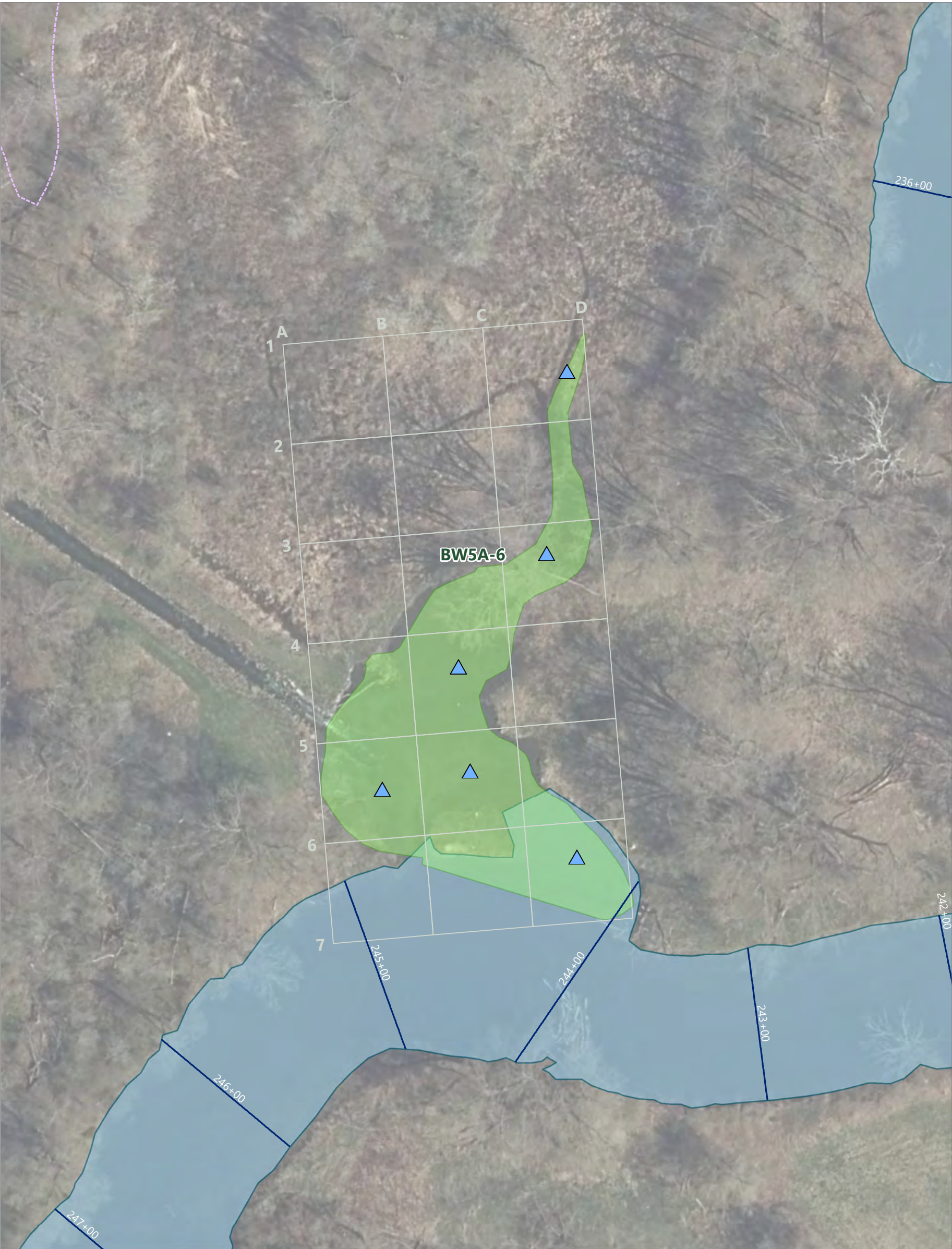




- LEGEND:**
- 1 mg/kg PCB Isopleth
 - Backwaters (AECOM and Anchor QEA 2020)
 - River Channel
 - Backwater Sampling Grid (50-feet)
 - Vane Shear Testing Location

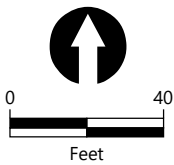
NOTE:
1. The vane shear testing results are shown in Table 2-13.





- LEGEND:**
- 1 mg/kg PCB Isopleth
 - Backwaters (AECOM and Anchor QEA 2020)
 - River Channel
 - Backwater Sampling Grid (50-feet)
 - Vane Shear Testing Location

NOTE:
1. The vane shear testing results are shown in Table 2-13.



Tables

Table 2-5
Known Structures and Utilities Along Reach 5A of the Housatonic River

River Station	Bank Location	Type	Description
0+00	River Crossing	Utility: Underground Pipe Crossing	Underground sewer crossing near confluence of East and West Branches of the Housatonic River (precise location, size, and depth unknown)
24+00	River Crossing	Utility: Overhead Power Lines	Overhead power lines crossing
48+50	River Crossing	Structure: Bridge Utilities: Overhead Power and Communications Lines, Overhead Pipeline Crossings	Pomeroy Avenue Bridge, overhead power and communications lines crossing along the west side of Pomeroy Avenue Bridge, and multiple pipelines (presumably sewer and water) on (under) the bridge structure
49+70	East Bank	Structure: Stormwater Outfall	Stormwater drain pipe (16-inch) and concrete headwall (84-inch by 26-inch)
52+00	East Bank	Structure: Stormwater Outfall	Stormwater drain pipe (16-inch) and stone headwall (6-feet by 4 feet)
53+30	East Bank	Structure: Stormwater Outfall	Stormwater drain pipe (4-inch PVC)
53+50	East Bank	Structure: Stormwater Outfall and Underdrain Discharge	Stormwater drain pipe (4-inch PVC) and HDPE underdrain piping (4-inch HDPE)
57+00	River Crossing	Structure: Bridge Utilities: Overhead Power and Communications Lines, Overhead Pipeline Crossings	Holmes Road Bridge, overhead power and communications lines crossing along the east side of Holmes Road Bridge, and multiple pipelines (presumably natural gas, sewer, and water) on (under) the bridge structure
100+00	River Crossing	Utility: Underground Natural Gas Pipeline Crossing	Natural gas crossing; utility crossing markers located on the east and west sides of the river (precise location, size, and depth unknown)
111+50	East and West Banks	Structure: Stone Abutments	Stone abutments located along the eastern and western banks
116+00	River Crossing	Utility: Underground Pipe Crossing	Underground sewer crossing (precise location, size, and depth unknown)
157+00	East Bank	Structure: Stormwater Outfall	Concrete drain pipe
160+00	East Bank	Structure: Stormwater Outfall	Stormwater drain pipe (30-inch CMP) and stone headwall (6-feet by 20-feet) with cobble stone observed in river near outfall discharge
189+00	East and West Banks	Structure: Concrete/Stone Abutments	Concrete/stone abutments located along the eastern and western banks
190+00	West Bank	Structure: Fence	Chain link fence extending perpendicular to the shoreline
245+00	West Bank	Structure: POTW Discharge	Wastewater treatment plant discharge via a riprap-lined channel; discharge enters Backwater BW5A-6

Notes:

1. The table summarizes structures and utilities identified along Reach 5A of the Housatonic River based on observations during 2022 and 2023 pre-design investigation activities. This listing should not be construed as wholly complete or a line of evidence.
2. Structure and utility locations are approximate and shall be field verified.
3. Any excavation (including pre-marking and notifications) shall be conducted in accordance with 220 CMR 99.00 and Massachusetts General Law (M.G.L.), Chapter 82, Sections 40 through 40E, also known as the "Dig Safe" law.

CMP: corrugated metal

HDPE: high-density polyethylene

POTW: publicly owned treatment works

PVC: polyvinyl chloride

Table 2-9
Bulk Sediment Total PCB Results, Porewater PCB Sampling Program

Location ID	X Coordinate ¹	Y Coordinate ¹	Collection Date	Sample Name	Depth Interval (feet)	Bulk Sediment Sampling				Porewater Sampling
						Total PCB Aroclor ² (mg/kg)	Total PCB Congener ² (mg/kg)	Total Organic Carbon (%)	Dissolved Organic Carbon (mg/L)	Dissolved Total PCB (ng/L)
ST18-PW1	-42.430928	73.249924	8/9/2022	ST18-PW1-080922	1–1.65	0.37	1.1 J	0.84 J	7.6 J	61.8
ST33-PW2	-42.429849	73.246276	8/3/2022	ST33-PW2-080322	1–2.05	1.24	1.4 J	0.47 J	2.80	99.6
ST43-PW3	-42.429422	73.242725	8/3/2022	ST43-PW3-080322	1–1.85	3.2	4.9 J	0.67 J	4.40	2180
ST60-PW4	-42.429145	73.238122	8/3/2022	ST60-PW4-080322	1–2.4	4.96	0.22 J	0.25 J	1.20	98.8
ST69-PW5	-42.426896	73.237935	8/3/2022	ST69-PW5-080322	1–2.6	0.05	3.5 J	0.20 J	--	342
ST78-PW6	-42.424412	73.23834	8/4/2022	ST78-PW6-080422	1–2.03	1.38 J	1.6 J	0.42 J	2.2 UJ	180
ST78-PW6	-42.424412	73.23834	8/4/2022	DUP-080422	1–2.03	0.82 J	1.3 J	0.50 J	1.0 UJ	311
BW5A1-PW7	-42.424849	73.236711	8/4/2022	BW5A1-PW7-080422	1–3	0.05 U	0.10 J	1.87 J	4.2 J	1.64
ST91-PW8	-42.422768	73.236693	8/4/2022	ST91-PW8-080422	1–2.35	1.00	1.9 J	0.13 J	1.3 UJ	224
ST99-PW9	-42.421156	73.236234	8/4/2022	ST99-PW9-080422	1–2.15	0.45	0.09 J	0.06 J	--	56.1
ST112-PW10	-42.419399	73.237174	8/4/2022	ST112-PW10-080422	1–2.75	1.61	3.8 J	0.23 J	6.5 J	173
ST122-PW11	-42.418215	73.239708	8/5/2022	ST122-PW11-080522	1–2.75	5.41	2.8 J	0.38 J	1.0 UJ	529
ST134-PW12	-42.415331	73.240465	8/5/2022	ST134-PW12-080522	1–2.6	0.62	0.62 J	0.45	5.0 UJ	782
BW5A5-PW13	-42.413772	73.238549	8/5/2022	BW5A5-PW13-080522	1–2.06	0.06 U	0.07 J	4.21 J	15. 1 J	226
ST152-PW14	-42.415056	73.237256	8/5/2022	ST152-PW14-080522	1–1.62	0.12	2.0 J	0.34 J	1.3 UJ	203
ST167-PW15	-42.413957	73.233955	8/8/2022	ST167-PW15-080822	1–2.2	2.44	7.2 J	0.63 J	1.3 J	588
ST177-PW16	-42.411626	73.233381	8/8/2022	ST177-PW16-080822	1–2.45	1.49	0.97 J	0.28 J	4.5 J	37.5
ST190-PW17	-42.409216	73.235122	8/8/2022	ST190-PW17-080822	1–2.6	1.71	15 J	0.28 J	--	5250
ST197-PW18	-42.407215	73.23496	8/8/2022	ST197-PW18-080822	1–2.45	0.34	0.72 J	0.11 J	1.0 UJ	161
ST215-PW19	-42.407501	73.237067	8/8/2022	ST215-PW19-080822	1–2.7	4.56	7.7 J	1.17 J	11.9 J	460
ST230-PW20	-42.405794	73.237389	8/8/2022	ST230-PW20-080822	1–2.8	7.6	8.3 J	0.54 J	58.1 J	3420

Notes:
1. Coordinate system = NAD 1983 State Plane Massachusetts Mainland (feet)
2. Total PCB result where non-detects = 0
J: Estimated value
mg/kg: milligram per kilogram
mg/L: milligram per liter
ng/L: nanogram per liter
PCB: polychlorinated biphenyl
U: Compound analyzed for, but not detected above detection limit

Table 2-10
Kv Core Collection and Piezometer Installation Summary

Station No.	Location ID	Northing ¹	Easting ¹	Core Collection ²				Piezometer Installation ²			Notes
				Target Interval (feet)	Penetration (feet)	Recovery (feet)	Percent Recovery	Method	Deep Piezometer Screen Depth (feet)	Shallow Piezometer Screen Depth (feet)	
ST25	ST25-PZ1	2986293.24	184065.31	0–3	3.0	1.27	42%	Manually driven	5 to 6	-0.4 to 0.6	Location moved downstream from original target location to a location where piezometers could be installed and had better sediment recovery.
				3–6	6.0	1.92	32%				
ST43	ST43-PZ2	2986324.07	185729.70	0–4	4.0	1.6	40%	Manually driven	5 to 6	-0.4 to 0.6	
ST69	ST69-PZ3	2985363.88	186969.98	0–4	4.0	1.26	32%	Manually driven	5 to 6	-0.4 to 0.6	
BW5A1	BW5A1-PZ4	2984616.10	187297.62	0–3	3.0	1.21	40%	Manually driven	5 to 6	-0.4 to 0.6	
				3–6	6.0	2.59	43%				
ST98	ST98-PZ5	2983254.41	187388.27	0–4	4.0	2.19	55%	Manually driven	5 to 6	-0.4 to 0.6	
ST122	ST122-PZ6	2982214.13	186427.56	0–4	4.0	2.25	56%	Manually driven	5 to 6	-0.4 to 0.6	
ST134	ST134-PZ7	2981154.92	186208.60	0–4	4.0	1.79	45%	Manually driven	5 to 6	-0.4 to 0.6	
ST167	ST167-PZ8	2980617.77	187975.45	0–4	4.0	2.14	54%	Manually driven	5 to 6	-0.4 to 0.6.	
ST190	ST190-PZ9	2978896.28	187606.54	0–4	4.0	2.13	53%	Manually driven	5 to 6	-0.4 to 0.6	
ST230	ST230-PZ10	2977675.91	186970.64	0–4	4.0	1.9	48%	Manually driven	5 to 6	-0.4 to 0.6	

Notes:

1. Coordinates shown are in Massachusetts State Plane, Mainland Zone, North American Datum of 1983 (NAD83), U.S. feet.

2. Depths are in feet below sediment surface as measured in the field at time of installation.

Kv: vertical hydraulic conductivity

Table 2-11**Paired Piezometer Download Summary**

Location ID	Piezometer	Download 1	Download 2	Download 3	Download 4	Download 5	Download 6	Download 7	Download 8	Download 9
ST25-PZ1	Shallow	9/8/2022	10/3/2022	11/28/2022	NA	5/11/2023	NA	5/19/2023	NA	6/13/2023
	Deep	9/8/2022	10/3/2022	11/28/2022		*5/11/2023		5/19/2023		6/13/2023
ST43-PZ2	Shallow	9/8/2022	10/3/2022	11/28/2022	NA	*5/11/2023	NA	NA	6/9/2023	6/13/2023
	Deep	9/8/2022	10/3/2022	11/28/2022		5/18/2023			6/9/2023	6/13/2023
ST69-PZ3	Shallow	9/8/2022	10/3/2022	See note 2	12/13/2022	See note 2	*5/18/2023	5/19/2023	NA	6/13/2023
	Deep	9/8/2022	10/3/2022	See note 2	12/13/2022	See note 2	*5/18/2023	5/19/2023		6/13/2023
BW5A1-PZ4	Shallow	9/8/2022	10/3/2022	11/28/2022	NA	5/11/2023	5/18/2023	NA	NA	6/14/2023
	Deep	See note 1	10/3/2022	11/28/2022		5/11/2023	5/18/2023			6/14/2023
ST98-PZ5	Shallow	9/8/2022	10/3/2022	11/29/2022	NA	5/11/2023	5/18/2023	NA	NA	6/14/2023
	Deep	9/8/2022	10/3/2022	11/29/2022		*5/11/2023	5/18/2023			6/14/2023
ST122-PZ6	Shallow	9/9/2022	10/3/2022	11/30/2022	NA	*5/11/2023	NA	NA	6/9/2023	6/15/2023
	Deep	9/9/2022	10/3/2022	11/30/2022		*5/11/2023			6/9/2023	6/15/2023
ST134-PZ7	Shallow	9/9/2022	9/29/2022	11/29/2022	NA	*5/11/2023	5/18/2023	NA	NA	6/15/2023
	Deep	9/9/2022	9/29/2022	11/29/2022		*5/11/2023	5/18/2023			6/15/2023
ST167-PZ8	Shallow	9/9/2022	9/29/2022	11/29/2022	NA	See note 3	*5/18/2023	5/19/2023	NA	6/20/2023
	Deep	9/9/2022	9/29/2022	11/29/2022		See note 3	*5/18/2023	5/19/2023		6/20/2023
ST190-PZ9	Shallow	9/9/2022	9/29/2022	See note 2	See note 2	5/12/2023	NA	5/19/2023	NA	6/20/2023
	Deep	9/9/2022	9/29/2022	See note 2	See note 2	5/12/2023		5/19/2023		6/20/2023
ST230-PZ10	Shallow	9/9/2022	9/29/2022	11/30/2022	NA	*5/12/2023	NA	5/19/2023	NA	6/20/2023
	Deep	9/9/2022	9/29/2022	11/30/2022		*5/12/2023		See note 4		6/20/2023

Notes:

* Transducer only logged one hour of data

1. Deep transducer malfunctioned; had to be returned to manufacturer

2. Water too deep to retrieve transducer during servicing

3. Could not locate piezometers in the sediment

4. Transducer locked in piezometer by sediment; could not be serviced

NA: not attempted

Table 2-13
Vane Shear Test Summary

Location ID	Sample ID	Easting Coordinate	Northing Coordinate	Sample Date	Time	Sample Depth (feet below mudline)	Material Type	Peak Undrained Shear Strength (kpa)	Residual Undrained Shear Stress (kpa)
BW5A-2	B/C-1/2	186345.79	2982678.15	11/10/2022	928	1	Soil	1.2	0.9
BW5A-2	B/C-1/2	186345.79	2982678.15	11/10/2022	929	2	Soil	0.95	0.6
BW5A-2	B/C-1/2	186345.79	2982678.15	11/10/2022	931	3	Soil	0.7	0.35
BW5A-2	B/C-1/2	186345.79	2982678.15	11/10/2022	933	4	Soil	0.8	0.4
BW5A-2	B/C-1/2	186345.79	2982678.15	11/10/2022	935	5	Soil	2	1.2
BW5A-2	D-1/2	186426.1	2982652.51	11/10/2022	1037	1	Soil	1.15	0.9
BW5A-2	D-1/2	186426.1	2982652.51	11/10/2022	1038	2	Soil	2.7	1
BW5A-2	D-1/2	186426.1	2982652.51	11/10/2022	1039	3	Soil	1.15	0.45
BW5A-2	D-1/2	186426.1	2982652.51	11/10/2022	1041	4	Soil	2.15	0.9
BW5A-2	D-1/2	186426.1	2982652.51	11/10/2022	1043	5	Soil	0.8	0.6
BW5A-5	D-20/21	186295.71	2980040.46	8/10/2022	1195	1	Soil	1.85	1.6
BW5A-5	D-20/21	186295.71	2980040.46	8/10/2022	1195	2	Soil	0.45	0
BW5A-5	D-20/21	186295.71	2980040.46	8/10/2022	1195	3	Soil	1.85	0.55
BW5A-5	D-20/21	186295.71	2980040.46	8/10/2022	1195	4	Soil	3.05	1.05
BW5A-5	D-20/21	186295.71	2980040.46	8/10/2022	1195	5	Soil	6.9	1.85
BW5A-5	D/E-21/22	186262.94	2979990.24	8/10/2022	1200	1	Soil	1.85	0.8
BW5A-5	D/E-21/22	186262.94	2979990.24	8/10/2022	1200	2	Soil	1.9	1
BW5A-5	D/E-21/22	186262.94	2979990.24	8/10/2022	1200	3	Soil	3.9	1.1
BW5A-5	D/E-21/22	186262.94	2979990.24	8/10/2022	1200	4	Soil	6.2	2.3
BW5A-5	D/E-21/22	186262.94	2979990.24	8/10/2022	1200	5	Soil	12.2	1.5
BW5A-5	E-22/23	1862654.65	2979949.25	8/10/2022	1220	1	Soil	0.95	0.15
BW5A-5	E-22/23	1862654.65	2979949.25	8/10/2022	1220	2	Soil	3.65	1.1
BW5A-5	E-22/23	1862654.65	2979949.25	8/10/2022	1220	3	Soil	6.8	1
BW5A-5	E-22/23	1862654.65	2979949.25	8/10/2022	1220	4	Soil	4.65	1.5
BW5A-5	E-22/23	1862654.65	2979949.25	8/10/2022	1220	5	Soil	13	1.3
BW5A-3	A/B-5/6	185970.64	2981886.11	12/10/2022	1012	1	Soil	5.8	0.95
BW5A-3	A/B-5/6	185970.64	2981886.11	12/10/2022	1014	2	Soil	5.3	1.4
BW5A-3	A/B-5/6	185970.64	2981886.11	12/10/2022	1016	3	Soil	4.05	3.6
BW5A-3	A/B-5/6	185970.64	2981886.11	12/10/2022	1018	4	Soil	1.3	0.8
BW5A-3	A/B-5/6	185970.64	2981886.11	12/10/2022	1020	5	Soil	>13	2.7
BW5A-3	A/B-4/5	185964.97	2981830.55	12/10/2022	1101	1	Soil	0.65	0.65

Table 2-13
Vane Shear Test Summary

Location ID	Sample ID	Easting Coordinate	Northing Coordinate	Sample Date	Time	Sample Depth (feet below mudline)	Material Type	Peak Undrained Shear Strength (kpa)	Residual Undrained Shear Stress (kpa)
BW5A-3	A/B-4/5	185964.97	2981830.55	12/10/2022	1103	2	Soil	6	1.75
BW5A-3	A/B-4/5	185964.97	2981830.55	12/10/2022	1105	3	Soil	Refusal	Refusal
BW5A-3	A/B-4/5	185964.97	2981830.55	12/10/2022	NA	4	Soil	Refusal	Refusal
BW5A-3	A/B-4/5	185964.97	2981830.55	12/10/2022	NA	5	Soil	Refusal	Refusal
BW5A-3	A/B-2/3	185959.32	2982038.11	12/10/2022	1141	1	Soil	1.35	0.4
BW5A-3	A/B-2/3	185959.32	2982038.11	12/10/2022	1143	2	Soil	1.65	0.6
BW5A-3	A/B-2/3	185959.32	2982038.11	12/10/2022	1144	3	Soil	2.35	1.5
BW5A-3	A/B-2/3	185959.32	2982038.11	12/10/2022	NA	4	Soil	Refusal	Refusal
BW5A-3	A/B-2/3	185959.32	2982038.11	12/10/2022	NA	5	Soil	Refusal	Refusal
BW5A-3	B-1/2	186013.31	2982093.04	12/10/2022	1204	1	Soil	2.05	0.9
BW5A-3	B-1/2	186013.31	2982093.04	12/10/2022	1207	2	Soil	3	0.9
BW5A-3	B-1/2	186013.31	2982093.04	12/10/2022	1210	3	Soil	2.6	0.8
BW5A-3	B-1/2	186013.31	2982093.04	12/10/2022	1212	4	Soil	1.9	0.35
BW5A-3	B-1/2	186013.31	2982093.04	12/10/2022	1215	5	Soil	3.95	1.05
BW5A-5	A/B-2/3	186835.41	2980767.72	12/10/2023	1131	1	Soil	2.6	0.6
BW5A-5	A/B-2/3	186835.41	2980767.72	12/10/2023	1133	2	Soil	2.1	0.5
BW5A-5	A/B-2/3	186835.41	2980767.72	12/10/2023	1135	3	Soil	1.85	0.9
BW5A-5	A/B-2/3	186835.41	2980767.72	12/10/2023	1138	4	Soil	2.1	0.55
BW5A-5	A/B-2/3	186835.41	2980767.72	12/10/2023	1141	5	Soil	2.95	0.25
BW5A-5	B-3/4	186812.09	2980708.51	12/10/2023	1200	1	Soil	2.4	0.7
BW5A-5	B-3/4	186812.09	2980708.51	12/10/2023	1203	2	Soil	4.25	1.7
BW5A-5	B-3/4	186812.09	2980708.51	12/10/2023	1205	3	Soil	4.75	1.7
BW5A-5	B-3/4	186812.09	2980708.51	12/10/2023	1208	4	Soil	4.1	1.75
BW5A-5	B-3/4	186812.09	2980708.51	12/10/2023	1210	5	Soil	5.4	3.11
BW5A-5	B/C-4/5	186775.29	2980674.37	1/10/2024	1120	1	Soil	9.8	3.3
BW5A-5	B/C-4/5	186775.29	2980674.37	1/10/2024	1124	2	Soil	9.2	4.35
BW5A-5	B/C-4/5	186775.29	2980674.37	1/10/2024	1128	3	Soil	9.45	5.1
BW5A-5	B/C-4/5	186775.29	2980674.37	1/10/2024	1133	4	Soil	10.95	6.7
BW5A-5	B/C-4/5	186775.29	2980674.37	1/10/2024	1135	5	Soil	1.2	6.9
BW5A-5	B/C-5/6	186758.96	2980630.56	1/10/2024	1238	1	Soil	6.4	2.2
BW5A-5	B/C-5/6	186758.96	2980630.56	1/10/2024	1241	2	Soil	5.45	2.4

Table 2-13
Vane Shear Test Summary

Location ID	Sample ID	Easting Coordinate	Northing Coordinate	Sample Date	Time	Sample Depth (feet below mudline)	Material Type	Peak Undrained Shear Strength (kpa)	Residual Undrained Shear Stress (kpa)
BW5A-5	B/C-5/6	186758.96	2980630.56	1/10/2024	1245	3	Soil	6.6	3.65
BW5A-5	B/C-5/6	186758.96	2980630.56	1/10/2024	1249	4	Soil	7	4
BW5A-5	B/C-5/6	186758.96	2980630.56	1/10/2024	1253	5	Soil	7.6	4.9
BW5A-5	C-6/7	186730.34	2980590.24	3/10/2024	950	1	Soil	4.9	1
BW5A-5	C-6/7	186730.34	2980590.24	3/10/2024	952	2	Soil	6.15	3
BW5A-5	C-6/7	186730.34	2980590.24	3/10/2024	954	3	Soil	8.6	4.25
BW5A-5	C-6/7	186730.34	2980590.24	3/10/2024	955	4	Soil	8.3	4.3
BW5A-5	C-6/7	186730.34	2980590.24	3/10/2024	957	5	Soil	10.45	5.9
BW5A-5	C/D-7/8	186725.7	2980521.05	3/10/2024	1150	1	Soil	4.3	1.65
BW5A-5	C/D-7/8	186725.7	2980521.05	3/10/2024	1154	2	Soil	3	1.65
BW5A-5	C/D-7/8	186725.7	2980521.05	3/10/2024	1158	3	Soil	6.95	3.4
BW5A-5	C/D-7/8	186725.7	2980521.05	3/10/2024	1201	4	Soil	7.4	5
BW5A-5	C/D-7/8	186725.7	2980521.05	3/10/2024	1205	5	Soil	11.85	10.4
BW5A-5	C/D-8/9	186691.44	2980491.01	3/10/2024	1240	1	Soil	1.8	0.45
BW5A-5	C/D-8/9	186691.44	2980491.01	3/10/2024	1242	2	Soil	4	2.85
BW5A-5	C/D-8/9	186691.44	2980491.01	3/10/2024	1245	3	Soil	5.25	2.7
BW5A-5	C/D-8/9	186691.44	2980491.01	3/10/2024	1248	4	Soil	5.75	3.3
BW5A-5	C/D-8/9	186691.44	2980491.01	3/10/2024	1250	5	Soil	8	4.6
BW5A-5	C/D-9/10	186649.76	2980450.82	4/10/2024	1040	1	Soil	2.15	0.55
BW5A-5	C/D-9/10	186649.76	2980450.82	4/10/2024	1042	2	Soil	2.25	1
BW5A-5	C/D-9/10	186649.76	2980450.82	4/10/2024	1044	3	Soil	3.7	1.7
BW5A-5	C/D-9/10	186649.76	2980450.82	4/10/2024	1047	4	Soil	3.75	2.3
BW5A-5	C/D-9/10	186649.76	2980450.82	4/10/2024	1050	5	Soil	4.35	3.05
BW5A-5	C/D-10/11	186619.01	2980414.57	4/10/2024	1315	1	Soil	2.5	0.65
BW5A-5	C/D-10/11	186619.01	2980414.57	4/10/2024	1318	2	Soil	2.5	1.5
BW5A-5	C/D-10/11	186619.01	2980414.57	4/10/2024	1321	3	Soil	2.7	1.55
BW5A-5	C/D-10/11	186619.01	2980414.57	4/10/2024	1324	4	Soil	2.9	1.6
BW5A-5	C/D-10/11	186619.01	2980414.57	4/10/2024	1328	5	Soil	3.95	2
BW5A-5	D/E-11/12	186619.1	2980347.34	4/10/2024	1404	1	Soil	2.2	0.4
BW5A-5	D/E-11/12	186619.1	2980347.34	4/10/2024	1406	2	Soil	2.85	0.6
BW5A-5	D/E-11/12	186619.1	2980347.34	4/10/2024	1407	3	Soil	2.2	0.65

Table 2-13
Vane Shear Test Summary

Location ID	Sample ID	Easting Coordinate	Northing Coordinate	Sample Date	Time	Sample Depth (feet below mudline)	Material Type	Peak Undrained Shear Strength (kpa)	Residual Undrained Shear Stress (kpa)
BW5A-5	D/E-11/12	186619.1	2980347.34	4/10/2024	1410	4	Soil	4.8	2.05
BW5A-5	D/E-11/12	186619.1	2980347.34	4/10/2024	1412	5	Soil	4	2.2
BW5A-5	D/E-12/13	186583.92	2980313.72	7/10/2024	1115	1	Soil	1.9	0.3
BW5A-5	D/E-12/13	186583.92	2980313.72	7/10/2024	1115	2	Soil	1.9	0.6
BW5A-5	D/E-12/13	186583.92	2980313.72	7/10/2024	1115	3	Soil	2.9	0.8
BW5A-5	D/E-12/13	186583.92	2980313.72	7/10/2024	1115	4	Soil	5.7	1.9
BW5A-5	D/E-12/13	186583.92	2980313.72	7/10/2024	1115	5	Soil	4.3	1.5
BW5A-5	D/E-13/14	186549.6	2980278.54	1/11/2022	1045	1	Soil	1.75	0.4
BW5A-5	D/E-13/14	186549.6	2980278.54	1/11/2022	1045	2	Soil	3.6	1.9
BW5A-5	D/E-13/14	186549.6	2980278.54	1/11/2022	1045	3	Soil	3	1.2
BW5A-5	D/E-13/14	186549.6	2980278.54	1/11/2022	1045	4	Soil	4.1	2.1
BW5A-5	D/E-13/14	186549.6	2980278.54	1/11/2022	1045	5	Soil	3.7	2.2
BW5A-5	D/E-14/15	186504.65	2980236.08	1/11/2022	1120	1	Soil	3.8	1
BW5A-5	D/E-14/15	186504.65	2980236.08	1/11/2022	1120	2	Soil	1.8	0.8
BW5A-5	D/E-14/15	186504.65	2980236.08	1/11/2022	1120	3	Soil	4.3	2.2
BW5A-5	D/E-14/15	186504.65	2980236.08	1/11/2022	1120	4	Soil	4.5	2.4
BW5A-5	D/E-14/15	186504.65	2980236.08	1/11/2022	1120	5	Soil	4.7	2.75
BW5A-5	D/E-15/16	186474.01	2980206.15	2/11/2022	1130	1	Soil	3.3	1.8
BW5A-5	D/E-15/16	186474.01	2980206.15	2/11/2022	1130	2	Soil	5.8	1.4
BW5A-5	D/E-15/16	186474.01	2980206.15	2/11/2022	1130	3	Soil	4.4	2.2
BW5A-5	D/E-15/16	186474.01	2980206.15	2/11/2022	1130	4	Soil	4.2	2.15
BW5A-5	D/E-15/16	186474.01	2980206.15	2/11/2022	1130	5	Soil	7.5	3.7
BW5A-5	D/E-16/17	186440.67	2980173.86	3/11/2022	1130	1	Soil	6.35	0
BW5A-5	D/E-16/17	186440.67	2980173.86	3/11/2022	1130	2	Soil	4.8	1.1
BW5A-5	D/E-16/17	186440.67	2980173.86	3/11/2022	1130	3	Soil	4.45	1.8
BW5A-5	D/E-16/17	186440.67	2980173.86	3/11/2022	1130	4	Soil	4.15	1.95
BW5A-5	D/E-16/17	186440.67	2980173.86	3/11/2022	1130	5	Soil	5.2	2.4
BW5A-5	D/E-17/18	186403.53	2980132.9	3/11/2022	1330	1	Soil	0.5	0.7
BW5A-5	D/E-17/18	186403.53	2980132.9	3/11/2022	1330	2	Soil	2.4	0.4
BW5A-5	D/E-17/18	186403.53	2980132.9	3/11/2022	1330	3	Soil	4.9	3
BW5A-5	D/E-17/18	186403.53	2980132.9	3/11/2022	1330	4	Soil	1.25	0.85

Table 2-13
Vane Shear Test Summary

Location ID	Sample ID	Easting Coordinate	Northing Coordinate	Sample Date	Time	Sample Depth (feet below mudline)	Material Type	Peak Undrained Shear Strength (kpa)	Residual Undrained Shear Stress (kpa)
BW5A-5	D/E-17/18	186403.53	2980132.9	3/11/2022	1330	5	Soil	5.5	2.75
SE-BW5A-5	D-18/19	186365.37	2980118.36	7/11/2022	1000	1	Soil	0.8	0.2
SE-BW5A-5	D-18/19	186365.37	2980118.36	7/11/2022	1000	2	Soil	2.35	0.65
SE-BW5A-5	D-18/19	186365.37	2980118.36	7/11/2022	1000	3	Soil	3.35	1.4
SE-BW5A-5	D-18/19	186365.37	2980118.36	7/11/2022	1000	4	Soil	4.7	2.2
SE-BW5A-5	D-18/19	186365.37	2980118.36	7/11/2022	1000	5	Soil	4.2	2.05
SE-BW5A-5	B/C-19/20	186263.6	2980131.4	7/11/2022	900	1	Soil	2.35	0.95
SE-BW5A-5	B/C-19/20	186263.6	2980131.4	7/11/2022	900	2	Soil	0.4	0.15
SE-BW5A-5	B/C-19/20	186263.6	2980131.4	7/11/2022	900	3	Soil	5.15	1.65
SE-BW5A-5	B/C-19/20	186263.6	2980131.4	7/11/2022	900	4	Soil	4.05	1.7
SE-BW5A-5	B/C-19/20	186263.6	2980131.4	7/11/2022	900	5	Soil	5.15	2.4
SE-BW5A-5	A/B-20	1862020.56	2980140.68	7/11/2022	1030	1	Soil	2.2	1.1
SE-BW5A-5	A/B-20	1862020.56	2980140.68	7/11/2022	1030	2	Soil	2.6	1.8
SE-BW5A-5	A/B-20	1862020.56	2980140.68	7/11/2022	1030	3	Soil	3.9	2.3
SE-BW5A-5	A/B-20	1862020.56	2980140.68	7/11/2022	1030	4	Soil	2.6	1.8
SE-BW5A-5	A/B-20	1862020.56	2980140.68	7/11/2022	1030	5	Soil	3.2	1.6
SE-BW5A-5	D-19/20	186330.62	2980072.86	7/11/2022	1245	1	Soil	2.2	0.6
SE-BW5A-5	D-19/20	186330.62	2980072.86	7/11/2022	1245	2	Soil	3	2.65
SE-BW5A-5	D-19/20	186330.62	2980072.86	7/11/2022	1245	3	Soil	5.7	2.4
SE-BW5A-5	D-19/20	186330.62	2980072.86	7/11/2022	1245	4	Soil	4.15	2.15
SE-BW5A-5	D-19/20	186330.62	2980072.86	7/11/2022	1245	5	Soil	3.3	0.8
SE-BW5A-5	C/D-19/20	186305.03	2980104.85	7/11/2022	1300	1	Soil	0.5	0.2
SE-BW5A-5	C/D-19/20	186305.03	2980104.85	7/11/2022	1300	2	Soil	2.3	0.75
SE-BW5A-5	C/D-19/20	186305.03	2980104.85	7/11/2022	1300	3	Soil	4.1	1.6
SE-BW5A-5	C/D-19/20	186305.03	2980104.85	7/11/2022	1300	4	Soil	7.1	3.3
SE-BW5A-5	C/D-19/20	186305.03	2980104.85	7/11/2022	1300	5	Soil	5.8	3.3
BW5A-6	C/D-6/7	186437.19	2976970.34	4/11/2024	1026	1	Soil	0.6	0.3
BW5A-6	C/D-6/7	186437.19	2976970.34	4/11/2024	1027	2	Soil	0.65	0.05
BW5A-6	C/D-6/7	186437.19	2976970.34	4/11/2024	1029	3	Soil	0.4	0.25
BW5A-6	C/D-6/7	186437.19	2976970.34	4/11/2024	1030	4	Soil	0.9	0.6
BW5A-6	C/D-6/7	186437.19	2976970.34	4/11/2024	1032	5	Soil	1.9	0.5

Table 2-13
Vane Shear Test Summary

Location ID	Sample ID	Easting Coordinate	Northing Coordinate	Sample Date	Time	Sample Depth (feet below mudline)	Material Type	Peak Undrained Shear Strength (kpa)	Residual Undrained Shear Stress (kpa)
BW5A-6	A/B-5/6	186336.01	297701.34	4/11/2024	1111	1	Soil	3.2	0.8
BW5A-6	A/B-5/6	186336.01	297701.34	4/11/2024	1113	2	Soil	4.3	1.05
BW5A-6	A/B-5/6	186336.01	297701.34	4/11/2024	1114	3	Soil	5.5	1.95
BW5A-6	A/B-5/6	186336.01	297701.34	4/11/2024	1117	4	Soil	5.1	2.3
BW5A-6	A/B-5/6	186336.01	297701.34	4/11/2024	1120	5	Soil	4.45	3.3
BW5A-6	B/C-5/6	186383.97	2977013.31	4/11/2024	1221	1	Soil	2.9	1.1
BW5A-6	B/C-5/6	186383.97	2977013.31	4/11/2024	1220	2	Soil	2.45	0.75
BW5A-6	B/C-5/6	186383.97	2977013.31	4/11/2024	1224	3	Soil	3.15	0.7
BW5A-6	B/C-5/6	186383.97	2977013.31	4/11/2024	1226	4	Soil	1.5	1.1
BW5A-6	B/C-5/6	186383.97	2977013.31	4/11/2024	1229	5	Soil	3	1.6
BW5A-6	B/C-4/5	186378.05	2977065.39	5/11/2024	1042	1	Soil	1.9	0.4
BW5A-6	B/C-4/5	186378.05	2977065.39	5/11/2024	1046	2	Soil	1	0.4
BW5A-6	B/C-4/5	186378.05	2977065.39	5/11/2024	1050	3	Soil	1.85	0.8
BW5A-6	B/C-4/5	186378.05	2977065.39	5/11/2024	1052	4	Soil	1.35	0.7
BW5A-6	B/C-4/5	186378.05	2977065.39	5/11/2024	1055	5	Soil	1.95	1.25
BW5A-6	C/D-3/4	186422.14	2977121.93	5/11/2024	1112	1	Soil	2.05	0.55
BW5A-6	C/D-3/4	186422.14	2977121.93	5/11/2024	1116	2	Soil	3.5	1
BW5A-6	C/D-3/4	186422.14	2977121.93	5/11/2024	1120	3	Soil	2.55	1.05
BW5A-6	C/D-3/4	186422.14	2977121.93	5/11/2024	1124	4	Soil	2.5	1.4
BW5A-6	C/D-3/4	186422.14	2977121.93	5/11/2024	1127	5	Soil	5.1	1.9
BW5A-6	D-1/2	186432.19	2977212.91	5/11/2024	1217	1	Soil	3.25	1.6
BW5A-6	D-1/2	186432.19	2977212.91	5/11/2024	1221	2	Soil	5.8	2.3
BW5A-6	D-1/2	186432.19	2977212.91	5/11/2024	1224	3	Soil	7.9	3.1
BW5A-6	D-1/2	186432.19	2977212.91	5/11/2024	1227	4	Soil	7	3.75
BW5A-6	D-1/2	186432.19	2977212.91	5/11/2024	1230	5	Soil	7.3	4.7
SE-BW5A-1	F/G-11/12	187421.95	2984442.54	10/31/2024	1000	1	Soil	2.1	1.5
BW5A-1	F/G-10/11	187419.11	2984487.15	10/31/2024	1030	1	Soil	1.2	0.75
BW5A-1	F/G-9/10	187409.71	2984530.48	10/31/2024	1115	1	Soil	0.7	0
BW5A-1	D/E-8/9	187310.65	2984578.39	10/31/2024	1150	1	Soil	0.4	0
BW5A-1	B/C-8/9	187217.81	2984577.04	10/31/2024	1240	1	Soil	4.6	3.8
BW5A-1	E/F-8/9	187361.5	2984580.11	10/31/2024	1300	1	Soil	0.2	0

Table 2-13
Vane Shear Test Summary

Location ID	Sample ID	Easting Coordinate	Northing Coordinate	Sample Date	Time	Sample Depth (feet below mudline)	Material Type	Peak Undrained Shear Strength (kpa)	Residual Undrained Shear Stress (kpa)
SE-BW5A-1	C-7/8	187222.98	2984619.39	5/3/2027	907	1	Soil	1.2	0.8
BW5A-1	D/E-7/8	187308.8	2984635.11	5/3/2027	920	1	Soil	1.6	1.2
BW5A-1	C/D-6/7	187256.14	2984677.1	5/3/2027	1000	1	Soil	4	2.6
BW5A-1	D/E-6/7	187305.55	2984675.23	5/3/2027	1005	1	Soil	1.6	0.8
BW5A-1	E/F-6/7	187356.51	2984678.72	5/3/2027	1015	1	Soil	5.5	4.4
BW5A-1	F/G-5/6	187296.51	298476.23	5/3/2027	1100	1	Soil	3	2.6
BW5A-1	F/G-4/5	187405.77	2984786.33	5/3/2027	1110	1	Soil	3.2	2.2
BW5A-1	C/D-5/6	187264.02	2984724.74	3/1/2028	1035	1	Soil	4	0.5
BW5A-1	D/E-4/5	187292.01	2984782.39	3/1/2028	1110	1	Soil	2.8	0
BW5A-1	D-3/4	187262.66	2984823.04	3/1/2028	1155	1	Soil	5.6	1.15
BW5A-1	A/B-4	187149.44	2984788.85	3/1/2028	1215	1	Soil	8.6	2.1
BW5A-1	B-3/4	187180.57	2984280.69	3/1/2028	1230	1	Soil	5.6	1.1
BW5A-1	B/C-2/3	187159.99	2984870.23	3/1/2028	1250	1	Soil	5	0.95
BW5A-1	C/D-1/2	187243.28	2984916.02	12/31/2028	902	1	Soil	5.2	3.8
BW5A-1	D/E-2/3	187291.71	2984879.52	12/31/2028	940	1	Soil	2	0.8
BW5A-1	E/F-2	187335.62	2984919.31	12/31/2028	950	1	Soil	2.8	0.8
BW5A-1	E/F-3/4	187352.29	2984842.13	12/31/2028	1032	1	Soil	1	0.2
BW5A-1	F/G-2/3	187390.99	2984875.11	12/31/2028	1100	1	Soil	0	0
BW5A-1	G-3/4	187434.16	2984843.22	12/31/2028	1205	1	Soil	0.5	0
BW5A-1	F-12	187405.21	2984466.19	12/31/2028	1312	1	Soil	6.2	0.8
BW5A-2	D-5	186358.1	2982478.91	10/10/2022	920	1	Soil	0.7	0.1
BW5A-2	D-5	186358.1	2982478.91	10/10/2022	921	2	Soil	2.3	0.7
BW5A-2	D-5	186358.1	2982478.91	10/10/2022	922	3	Soil	3.4	1.6
BW5A-2	D-5	186358.1	2982478.91	10/10/2022	923	4	Soil	4.8	1.5
BW5A-2	D-5	186358.1	2982478.91	10/10/2022	925	5	Soil	5.1	2
BW5A-2	B/C-5	186273.95	2982500.31	10/10/2022	1015	1	Soil	0.3	0
BW5A-2	B/C-5	186273.95	2982500.31	10/10/2022	1016	2	Soil	0.3	0
BW5A-2	B/C-5	186273.95	2982500.31	10/10/2022	1018	3	Soil	2.2	0.9
BW5A-2	B/C-5	186273.95	2982500.31	10/10/2022	1019	4	Soil	1.55	0.9
BW5A-2	B/C-5	186273.95	2982500.31	10/10/2022	1020	5	Soil	1.95	1.3
BW5A-2	A/B-5	186244.71	2982545.81	10/10/2022	1035	1	Soil	0.7	0.15

Table 2-13
Vane Shear Test Summary

Location ID	Sample ID	Easting Coordinate	Northing Coordinate	Sample Date	Time	Sample Depth (feet below mudline)	Material Type	Peak Undrained Shear Strength (kpa)	Residual Undrained Shear Stress (kpa)
BW5A-2	A/B-5	186244.71	2982545.81	10/10/2022	1036	2	Soil	2.9	0.9
BW5A-2	A/B-5	186244.71	2982545.81	10/10/2022	1027	3	Soil	1.35	0.4
BW5A-2	A/B-5	186244.71	2982545.81	10/10/2022	1028	4	Soil	1.6	0.7
BW5A-2	A/B-5	186244.71	2982545.81	10/10/2022	1040	5	Soil	1.4	0.5
BW5A-2	A/B-3	186276.04	2982632.19	10/10/2022		1	Soil	0	0
BW5A-2	A/B-3	186276.04	2982632.19	10/10/2022		2	Soil	0	0
BW5A-2	A/B-3	186276.04	2982632.19	10/10/2022		3	Soil	2.8	2.5
BW5A-2	A/B-3	186276.04	2982632.19	10/10/2022		4	Soil	Refusal	Refusal
BW5A-2	A/B-3	186276.04	2982632.19	10/10/2022		5	Soil	Refusal	Refusal
BW5A-4	A/B-3/4	186083.94	2981913.86	11/10/2022	1158	1	Soil	1.3	0.35
BW5A-4	A/B-3/4	186083.94	2981913.86	11/10/2022	1200	2	Soil	2.7	1.05
BW5A-4	A/B-3/4	186083.94	2981913.86	11/10/2022	1201	3	Soil	3.65	0.9
BW5A-4	A/B-3/4	186083.94	2981913.86	11/10/2022	1203	4	Soil	3.5	0.7
BW5A-4	A/B-3/4	186083.94	2981913.86	11/10/2022	1205	5	Soil	2.4	1.8
BW5A-4	A/B-1/2	186034.04	2982020.98	11/10/2022	1349	1	Soil	0	0
BW5A-4	A/B-1/2	186034.04	2982020.98	11/10/2022	1350	2	Soil	0.15	0
BW5A-4	A/B-1/2	186034.04	2982020.98	11/10/2022	1352	3	Soil	0.1	0
BW5A-4	A/B-1/2	186034.04	2982020.98	11/10/2022	1353	4	Soil	1.7	0.4
BW5A-4	A/B-1/2	186034.04	2982020.98	11/10/2022	1355	5	Soil	2.9	0.65

Notes:
1. Coordinate system = NAD 1983 State Plane Massachusetts Mainland (feet)
kpa: kilopascal

Table 2-15**Seepage-Induced Consolidation Testing Summary**

Sample ID	Sample Date	Water Content (%)	Specific Gravity (Unitless)	Initial Void Ratio¹	USCS
BW5A-1S	12/5/2022	98.4	2.596	2.55	SM – Silty Sand
BW5A-2S	12/5/2022	50.9	2.601	1.32	SM – Silty Sand
BW5A-3S	12/5/2022	40.1	2.601	1.04	SW-SM – Well-Graded Sand with Silt
BW5A-4S	12/5/2022	40.0	2.638	1.06	SM – Silty Sand
BW5A-5S	11/8/2022	83.4	2.61	2.18	ML – Sandy Silt
BW5A-6S	11/29/2022	108.3	2.487	2.69	SM – Silty Sand

Notes:

1. Initial void ration values were calculated assuming fully saturated samples.

ML: Silt

SM: Silty Sand

SW: Well-Graded Sand

USCS: Unified Soil Classification System

Appendix A

Erodibility/BEHI/NBS Assessment and BANCS Study

APPENDIX A

Bank Erodibility Assessment Housatonic River Reach 5A

1. Objectives and Overview

The purpose of this technical memo is to provide the initial results of the Bank Erodibility Assessment for Reach 5A of the Housatonic River. This assessment was undertaken as a step in the process of determining riverbank lengths that will be remediated pursuant to the Revised Final Resource Conservation and Recovery Act (RCRA) Corrective Action Permit (Revised Final Permit), issued by the U.S. Environmental Protection Agency (EPA) to the General Electric Company (GE) on December 16, 2020, for the Rest of River (ROR) portion of the GE-Pittsfield/Housatonic River Site.

Section II.B.2.a of the Revised Final Permit sets forth the Performance Standards for remediation of riverbanks and sediment (including the river main channel and backwater areas) in Reach 5A. For riverbanks, Section II.B.2.a.(1)(b) requires GE to remove contaminated soils from eroding riverbanks. Under Section II.B.2.a.(1)(d), a bank is to be considered erodible if the Bank Erosion Hazard Index (BEHI) and Near-Bank Stress (NBS) ratings are classified in the Bank Assessment for Non-Point Source Consequences of Sediment (BANCS) model as “Moderate-High” or greater. Further, Section II.B.2.a.(2)(b) states: “The location of contaminated eroding riverbanks shall be determined using a BANCS model calibrated for the Housatonic River and the collection of additional riverbank soil PCB data. A bank shall be considered contaminated if it contains ≥ 5 mg/kg total PCBs measured in the surficial 0 to 12 inches as the average of three 12-inch cores taken at the toe, midpoint, and top of the bank at a maximum spacing of every 25 feet of linear bank.” In addition, Section II.B.2.a.(2)(c) of the Revised Final Permit provides that for Reach 5A banks that do not require remediation based on the criteria described above, GE will evaluate the PCB data, erosion potential, adjacent floodplain removal (if any), constructability issues, and likelihood of future downstream transport at such concentrations should such banks erode, and based on these factors, consider supplemental riverbank removal and propose any further action consistent with its evaluation.

Therefore, this bank erodibility assessment was undertaken to assist in determining which banks are considered erodible and will need to be remediated per the Permit Performance Standards, as well as to assess other riverbanks which may warrant “supplemental” stabilization or restoration measures.

2. Introduction to BEHI, NBS, and the BANCS Model

The BANCS model is one component of Rosgen’s Watershed Assessment of River Stability and Sediment Supply (WARSSS) model. WARSSS is a comprehensive, quantitative, geomorphology-based method for determining effects of land use on sediment and stream channel dynamics (Rosgen 2006). WARSSS has three main phases: a reconnaissance-level assessment, rapid resource inventory for sediment and stability consequences, and a prediction-level assessment.

It has been advocated by the EPA Office of Water and has been used by numerous agencies since its inception as an accurate estimate of bank erodibility.

The WARSSS model uses two bank erosion estimation tools, the BEHI and the NBS, along with an empirically derived stream bank erosion rate curve, to predict erosion rates and total annual quantity of sediment entrained by bank erosion. The BEHI rating identifies bank characteristics that correspond to erodibility and NBS evaluates near-bank channel features within the near-bank region of the river that may lead to increased potential for bank erodibility due to increased shear stress. NBS specifically evaluates the distribution of hydraulic stress, caused by channel form, which acts as an erosive force on the study bank. In this method, annual erosion rates in feet per year are estimated based on the combination of these risk ratings and then multiplied by the bank height and by a corresponding bank length, providing an estimate of cubic yards, and tons of sediment eroded per year.

2.1 Bank Erosion Hazard Index

BEHI is a method that evaluates a riverbank's characteristics to estimate susceptibility to erosion from erosional processes. This method integrates multiple variables that relate to combined erosional processes leading to bank erosion susceptibility ratings (**Figure 1**). Erosion risk is then established for a variety of BEHI variables and is eventually used to establish corresponding streambank erosion rates once combined with NBS ratings.

The individual BEHI variables for the erosion prediction model are:

1. Study bank height/bankfull height (study bank-height ratio)
2. Root depth/bank height (root depth ratio)
3. Weighted root density
4. Bank angle
5. Surface protection
6. Bank material
7. Stratification of bank material

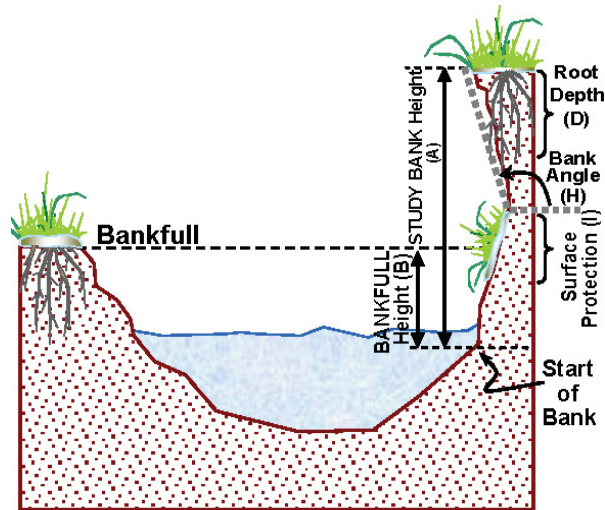


Figure 1. Multiple bank variables measured in the BEHI analysis (adapted from Rosgen 2006).

For a given study bank, each variable is quantified and recorded on a worksheet. The first five variables are converted to a BEHI rating score using previously developed natural river relationships (**Figure 2**). The BEHI scores have values between 0 and 10. The scores for the first five variables are totaled and adjusted according to the type of bank materials (i.e., sand, gravel, cobble) and stratification of the bank materials to obtain an overall BEHI score (Total Score) that could vary from 5 to 50. The BEHI Total Score is converted to a qualitative rating which is descriptive of the bank erosion risk. **Table 1** provides the BEHI score and rating.

Table 1. BEHI Score/Rating Conversion

BEHI Total Score	BEHI Rating
5 – 9.5	Very Low
10 – 19.5	Low
20 – 29.5	Moderate
30 – 39.5	High
40 – 45	Very High
46 – 50	Extreme

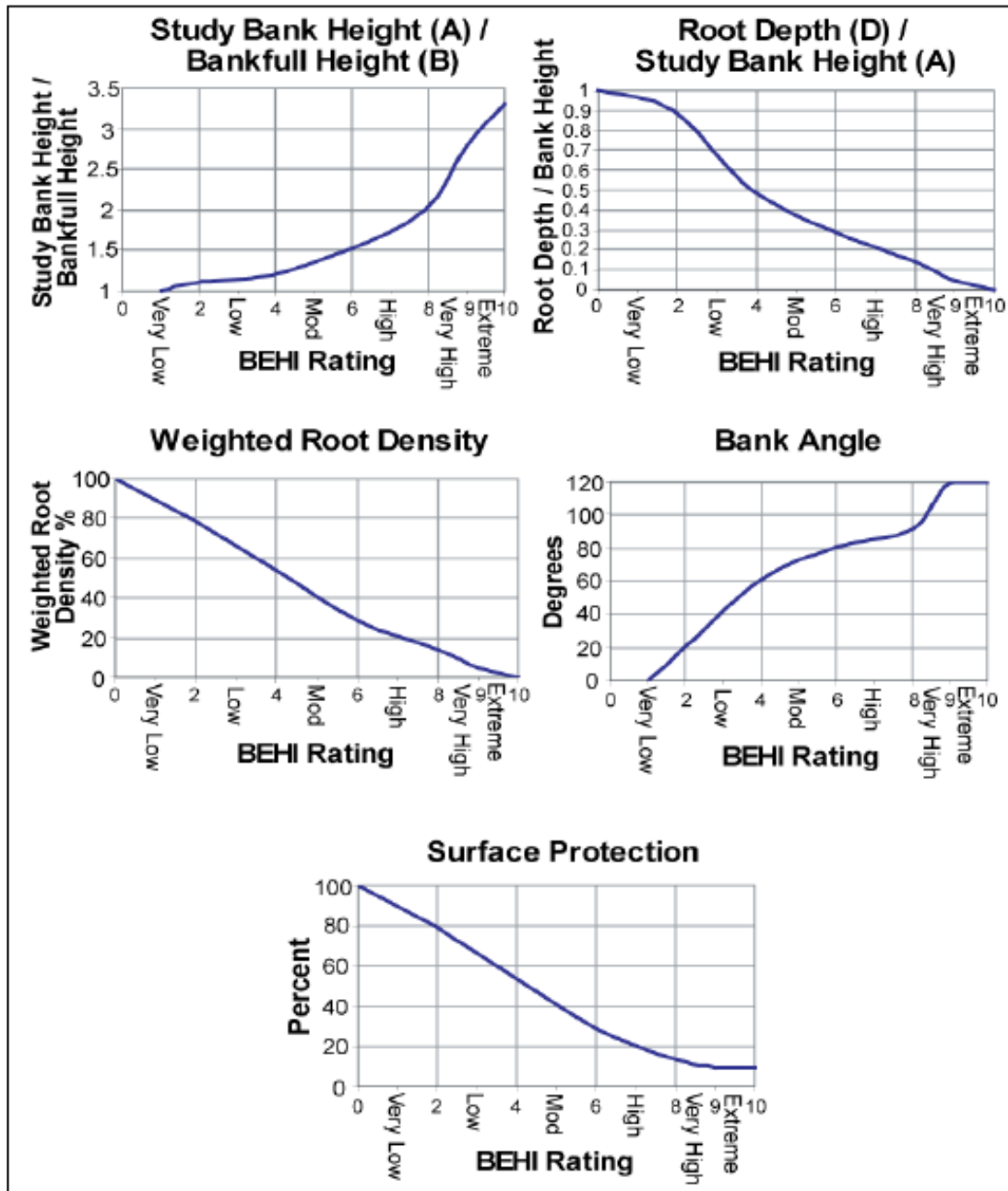


Figure 2. Streambank erodibility criteria showing conversion of measured ratios and bank variables to a BEHI rating (Rosgen 2006).

2.2 Near-Bank Stress

NBS is the evaluation of potential disproportionate energy distribution in the near-bank region (1/3 of channel cross-section) associated with the bank being evaluated. Increases in NBS can accelerate stream bank erosion. Rosgen (2006) developed seven methods for evaluating NBS in the field for a variety of inventory levels. These are:

1. Channel pattern, transverse bar or split channel/central bar creating NBS/high velocity gradient
2. Ratio of radius of curvature to bankfull width
3. Ratio of pool slope to average water surface
4. Ratio of pool slope to riffle slope
5. Ratio of near-bank maximum depth to bankfull mean depth
6. Ratio of near-bank stress to bankfull shear stress
7. Velocity profiles/isovels/velocity gradient

A combination of the methods is typically used to evaluate and determine NBS depending upon available data and channel conditions. **Table 2** provides a comparison of velocity gradients with near-bank stress and the adjective rating.

Table 2. Velocity Gradient and Near-Bank Stress Indices

Near-Bank Stress Rating	Velocity Gradient	Near-Bank Stress/Shear Stress
Very Low	< 0.5	< 0.8
Low	0.5 – 1.0	0.8 – 1.05
Moderate	1.1 – 1.6	1.06 – 1.14
High	1.61 – 2.0	1.15 – 1.19
Very High	2.1 – 2.4	1.2 – 1.6
Extreme	> 2.4	> 1.6

2.3 BANCS Model

The BANCS model combines BEHI and NBS to estimate annual streambank erosion. To estimate lateral erosion rates using BEHI and NBS, a graphical prediction model based on physical measurements of streambank erosion is developed (referred to here as an Erosion Rate Curve). The advantage of an erosion rate curve is that erosion rates of a bank can be quickly determined using the relatively rapid assessments of BEHI and NBS, rather than the time-consuming process of direct measurements, which can often take years. To develop these curves, bank erosion rates are measured on a number of different streambanks representing different combinations of BEHI and NBS, and a predictive relationship is developed between the erosion rates and corresponding BEHI/NBS values.

Erosion rates may be obtained by performing annual surveys at established cross-sections on a variety of banks representing different combinations of BEHI and NBS. Bank erosion and toe pins are installed on the surveyed bank to assist in the survey and verify predicted erosion rates are accurate for a given site. To obtain the most accurate erosion rate surveys are performed over a period of years. **Figure 3** provides an example of an Erosion Rate Curve.

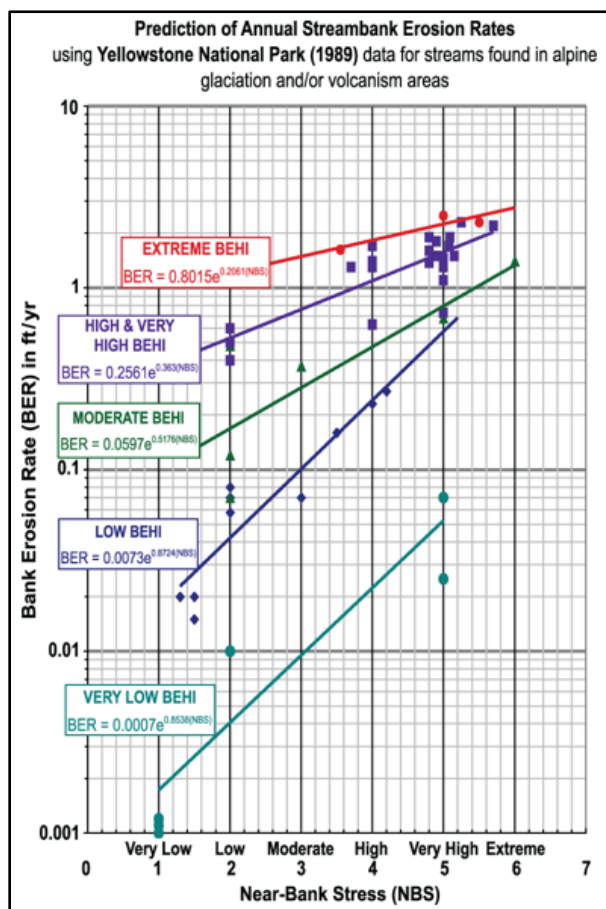


Figure 3. Example of a Bank Erosion Prediction Curve in Yellowstone National Park to plot measured bank erosion rates respective to their BEHI and NBS ratings.

3. Methods

Methods used to calculate BEHI, NBS, and installation of toe and bank pins were based on Rosgen's River Stability Field Guide (Rosgen 2014.) and in accordance with the May 2022 Revised Pre-Design Investigation Work Plan (PDIWP) for Reach 5A Sediment and Riverbanks. The procedures were described in detail in a Bank Erosion Survey Standard Operating Procedure (SOP) submitted to EPA on October 21, 2022, and approved by EPA on October 31, 2022.

3.1 BEHI

BEHI ratings on Reach 5A were determined by evaluating bank conditions in the field. The field evaluation was performed from July 29 to August 4, 2022. Both river right and left banks were

evaluated for their entire length. The riverbank was visually examined and separated into separate study bank lengths based upon similarity of bank conditions. Detailed measurements were performed on each of the study banks and recorded in a notebook for later input into an Excel spreadsheet based on the WARSSS worksheets (Worksheet 3-11) to calculate the BEHI score and subsequent rating of the bank.

During the field evaluation, bankfull elevation appeared to be at approximately three feet above the current elevation of the water surface. However, after a desktop evaluation of numerous cross-sections developed from recent Light Detection and Ranging (LiDAR) and bathymetry data, it was determined that the feature observed in the field was most likely an inner berm and that bankfull elevation was approximately four feet above the water surface during normal baseflow conditions. Based on the desktop analysis, the field data for bankfull height were adjusted to more accurately reflect bankfull elevation.

3.2 NBS

Three methods for evaluating NBS were used to determine NBS ratings for Reach 5A:

1. Reconnaissance level assessment – observation of transverse or central bars, chute cutoffs, or converging channels (Method 1)
2. Measuring the ratio of radius of curvature to bankfull width (Method 2)
3. Measuring the ratio of near-bank maximum depth to bankfull mean depth (Method 5).

The reconnaissance-level assessment of NBS is qualitative and was made by observation of transverse or central bars, extensive deposition in the channel (i.e., side bars), chute cutoffs, or converging channels. These features indicate changes in slope and velocity profiles that may cause accelerated erosion at the study bank. Transverse and central bars are classified as High/Very High NBS, while extensive deposition, chute cutoffs and converging channels are classified as Extreme NBS.

The measurement of the ratio of radius of curvature to bankfull width was accomplished using 2021 aerial photography of Reach 5A and AutoCAD software. This method only evaluates the near-bank stress on outer meander bends.

To determine the ratio of near-bank maximum depth to bankfull mean depth, channel cross-sections were developed from LiDAR and bathymetric data collected by Spicer. Using a fluvial geomorphology program, RIVERMorph© 5.2.0 Professional. Utilizing the GIS data cross-sections were established at periodic intervals based on in-channel bathymetry and the elevations input into RIVERMorph.

A bankfull elevation was estimated using average regional curve data along with bank features that were observable in the cross-section data. The USGS has published bankfull equations for Massachusetts that allow for calculation of bankfull based on the size of the watershed (Bent

and Waite 2013). The regression equations are based on data from stream surveys of 33 sites operated by the USGS in and near Massachusetts. The USGS has also developed a Web-based GIS application called StreamStats (USGS 2019) that provides access to an assortment of analytical tools that calculate a wide variety of estimates of streamflow based on regional regression equations. One of those flows is bankfull discharge along with bankfull area. Based upon these publications and tools, a cross-sectional area of approximately 458 sq ft. was targeted to estimate bankfull elevation.

Table 3. Predicted Bankfull (BKF) Discharge, Width, Depth, and Area

	Start of Reach 5A	End of Reach 5A
StreamStats SIR2013 5155		
Drainage Area	134 sq mi	146 sq mi
Width BKF ¹	111 ft	115 ft
Depth BKF	4.12 ft	4.22 ft
Area BKF	458 sq ft	486 sq ft
Discharge BKF	2050 cfs	2200 cfs
Regression Equations from Bent and Waite, 2013		
Drainage Area	134 sq mi	146 sq mi
Width BKF	109 ft	113 ft
Depth BKF	4.05 ft	4.15 ft
Area BKF	441 sq ft	468 sq ft
Discharge BKF	1865 cfs	1997 cfs

It should be noted that these morphological parameters only apply to riffle sections. After developing a number of cross-sections in riffle sections a bankfull elevation slope (line) was developed that was used to estimate bankfull elevation in pool cross-sections.

Once a bankfull elevation was estimated for a cross-section, the maximum depth of the near-bank portion of the cross-section was measured in the software and compared with the calculated mean depth of the entire cross-section. These parameters were then used to calculate an NBS value. An example of a cross-section is shown in **Figure 4**. **Table 4** provides the NBS conversion (converting a value to a rating) for Methods 2 and 3.

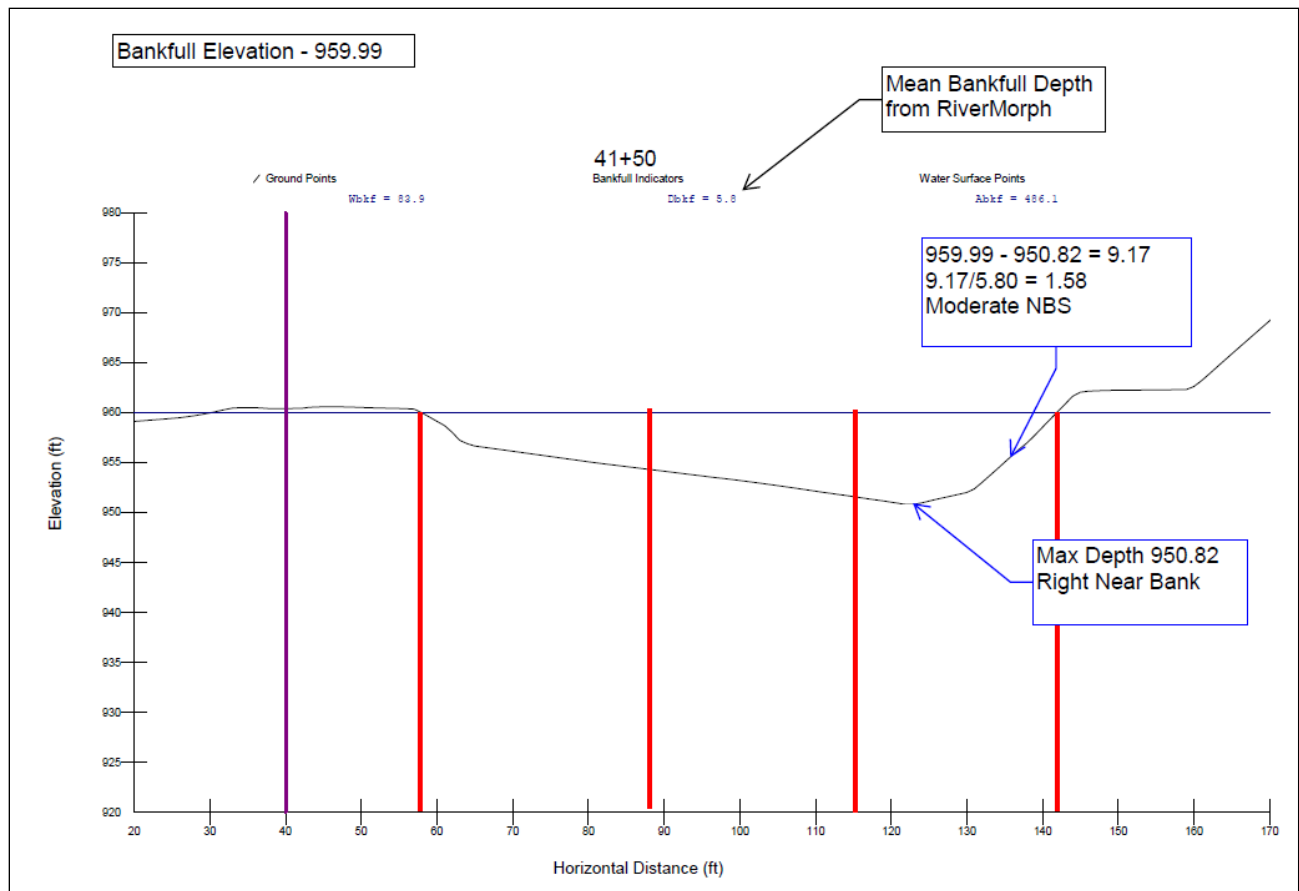


Figure 4. Example Cross-Section from RIVERMorph 5.2.0 Professional used to calculate NBS for Method 5.

Table 4. Converting Values to a Near-Bank Stress Rating

NBS Rating	Method 2	Method 3
Very Low	>3.00	< 1.00
Low	2.21 – 3.00	1.00 – 1.50
Moderate	2.01 – 2.20	1.51 – 1.80
High	1.81 – 2.00	1.81 – 2.50
Very High	1.50 – 1.80	2.51 – 3.00
Extreme	< 1.50	> 3.00

The resultant values from the two methods were converted into an adjective rating (i.e., Low, Moderate, High) and mapped on lines representing the banks of Reach 5A in GIS software. The higher NBS value of the two methods was used where an overlap occurred.

3.3 Streambank Erosion Study

A bank erosion prediction curve calibrated to correlate erosion rates for various BEHI/NBS ratings is currently being developed for Reach 5A. The bank erosion study is being performed in accordance with the Bank Erosion Survey SOP cited above. There are 19 BEHI/NBS combinations on the Reach 5A banks. A total of 44 study bank reaches were established. **Table 5** presents the BEHI and NBS rating for each of the study bank reaches. The locations of the study bank reaches are shown on **Figure A-1** in **Attachment A**. Calculated ratings and photos of a variety of bank conditions encountered are provided in **Attachment B**.

Table 5. Erosion Study Banks BEHI and NBS Ratings

Station	BEHI Score	BEHI Rating	NBS Rating
R003-01	16.03	Low	Low
R003-02	16.03	Low	Extreme
R004-02	35.47	High	Extreme
R006-03*	37.74	High	Low
L012-06	34.3	High	High
L016-08	27.55	Moderate	Very High
L019-09	26.27	Moderate	Low
L024-10	33.88	High	Very High
R018-07	21.62	Moderate	Moderate
L027-12	38.16	High	Moderate
L027-14	38.16	High	Very High
R027-12	30.86	High	Low
R034-15	18.5	Low	Low
R036-16	26.09	Moderate	Low
R038-17	23.99	Moderate	Very High
R038-18A	23.99	Moderate	High
R039-18A	28.86	Moderate	High
R040-18B	34.67	High	Very High
L054-17*	17.73	Low	Low
L054-18*	17.73	Low	Very High
R049-23B	36.71	High	Extreme
R060-29	27.96	Moderate	High
R066-31	10.48	Low	Moderate
R067-31	34.91	High	Moderate
L078-26	27.82	Moderate	Moderate
R073-32	32.83	High	Low
L085-28*	27.18	Moderate	Moderate
R075-33	13.51	Low	Extreme

Station	BEHI Score	BEHI Rating	NBS Rating
R079-35*	27.09	Moderate	Extreme
L092-29B	52.28	Extreme	Moderate
L097-30	25.99	Moderate	Extreme
L104-32*	22.8	Moderate	Extreme
L107-33B*	21.91	Moderate	Very High
R102-39*	22.6	Moderate	Extreme
R103-39*	41.09	Very High	Extreme
R107-41	27.68	Moderate	Moderate
R108-42	14.75	Low	Low
L119-38*	33.28	High	Extreme
R116-42	23.19	Moderate	Low
R117-43	34.15	High	Moderate
L127-39B	17.27	Low	Moderate
L128-39B	30.1	High	High
L130-39C	40.5	Very High	Low
R120-45	41.8	Very High	Extreme

* These study banks were also surveyed using toe-pins for comparison to the LiDAR data.

A control monument (target) was installed at the top of each bank on November 14, 2022. The monument consisted of a 2 x 2 ft custom metal sign mounted on a square signpost. **Figure 5** shows a typical control monument.



Figure 5. LiDAR Control Monument

LiDAR technology was used to develop the bank profiles. A RIEGL VMX-2HA Dual Scanner Mobile Laser Scanner was mounted on a survey boat. Each study bank was scanned with the Mobile LiDAR Scanner. A photo of the bank was also obtained. Data from the scanner along with GPS data were post-processed to develop a point cloud for each bank that was forced to the target to further increase the accuracy of the data.

For all survey work on this site, Spicer Group set and established a control point at the New Lenox Road Boat Launch (Decker Boat Ramp). This control point has a known coordinate value tied to it which has been used for the bases of all survey work performed on the river. To obtain the known position, Spicer Group occupied the base point for 8 hours and ran the GPS data through OPUS to acquire a known position at the control point. All future work on this site will be tied to this position to keep the relative accuracies to a minimum. The LiDAR was then post-processed to a GNSS base station which held the known position for the X, Y, Z coordinates of the project.

CAD was used to extract a 3D profile of the bank by taking the 3D Point Cloud inside of MicroStation (Connect Edition Update 16) and draping a profile line to the point cloud at the desired spacing. These lines were exported into AutoDesk Civil3D (Ver 2021) to produce a cross section drawing of each study bank. The LiDAR survey was performed on November 29, 2022.

The bank profile will be resurveyed one year following installation, with at least one qualifying flow event equaling 70% of bankfull discharge (or a larger event) occurring during the monitoring period. If no qualifying flow event occurs during the first year, then the monitoring period will be extended until a qualifying discharge event is documented.

A United States Geological Survey (USGS) gauge station (USGS 01197000) is present upstream on the East Branch of the Housatonic River at Coltsville. This gauge is about 5.4 miles upstream of the Confluence of the East and West Branches (i.e., the start of Reach 5A). The Coltsville gauge station provides substantial data on water quantity and quality in the East Branch dating back to 1936. In particular, flow quantity and stage data from this station are used in defining the hydrologic and hydraulic conditions within Reach 5A of the Housatonic River. However, data from this station need to be qualified, since the station represents a watershed drainage area of 57.6 square miles, whereas the watershed drainage area above the Confluence is 134 square miles and includes the West Branch of the Housatonic River as well as the remaining watershed of the East Branch downstream of the Coltsville gauge station. Adjusting the Coltsville gauge station database to account for these watershed conditions, as done with various hydrologic models, provides hydrologic data for Reach 5A (e.g., bankfull flow).

Because the use of LiDAR for surveying a riverbank for erosion rates is a relatively new method of developing a bank profile, 20% of the study banks were also surveyed using the more traditional method of installing a toe pin and toe pin cap and using a survey rod and tape measure to develop a bank profile per the Rosgen River Stability Field Guide (Rosgen 2014). Toe pins and bank pins were installed on ten of the study banks on November 29 and 30, 2022. As requested by EPA, one bank pin was installed at the midpoint (from top of bank to toe of

bank) of the bank to facilitate alignment of the survey rod and locating the toe pin. The bank pin was a 0.5-inch four-foot-long smooth steel rod that was driven horizontally into the bank.

The toe pin was installed in the riverbed offset from the bank. An elevation rod (plumb) was set on the toe pin with corresponding horizontal measurements taken to intercept the bank. A resurvey at the toe pin location allows for a detailed computation of a change in bank profile yielding a lateral erosion rate.

4. Results

4.1 BEHI

BEHI Total Scores ranged from 10.48 to 52.28, which translate into BEHI ratings of Low to Extreme. No banks with a rating of Very Low were identified. **Table 6** presents the total length of feet of riverbanks and the BEHI rating. **Figure A-1** in **Attachment A** shows the distribution of BEHI along the river. **Attachment C** contains a table of all riverbank segments and provides the BEHI scores and ratings for each riverbank. Since there is no established BEHI rating of Moderate-High (as specified in the Revised Final Permit), GE is considering a BEHI score of 27 (within the Moderate range of 20 to 29.5) to be the lower bound for the Moderate-High range.¹ This is consistent with EPA's prior (2009) analysis of the banks, in which the six conventional adjective BEHI ratings were subdivided into 16 adjective ratings and BEHI scores of 27 to 29 were indicated to be "Moderate-High" (EPA 2009). This increased subdivision of BEHI ratings was also used by Weston Solutions (2014) in its estimates of bank removal volumes. Thus, banks classified as Moderate have been divided into those that scored less than 27 points and those that scored greater than 27 points, with the latter representing a Moderate-High rating.

Table 6. Summary of BEHI and NBS Assessment

NBS	BEHI (Length of Bank in Feet)								Total
	Low	Moderate (Total)	Moderate (< 27)	Moderate-High (>27)	High	Very High	Extreme	Not Rated	
Very Low	0	0	0	0	0	0	0	0	0
Low	7,544	20,666	13,943	6,723	6,657	376	0	96	35,339
Moderate	477	2,231	921	1,310	1,131	0	175	0	4,014
High	0	448	122	326	949	325	0	0	1,722
Very High	323	2,093	967	1,126	1,377	0	0	75	3,868
Extreme	1,236	1,761	901	860	1,485	408	0	200	5,090
Total	9,580	27,199	16,854	10,345	11,599	1,109	175	371	50,033

¹ This is consistent with EPA's prior (2009) analysis of the banks, in which the six conventional adjective BEHI ratings were subdivided into 16 adjective ratings and BEHI scores of 27 to 29 were indicated to be "Moderate-High" (EPA 2009). This increased subdivision of BEHI ratings was also used by Weston Solutions (2014) in its estimates of bank removal volumes.

Banks with a Low BEHI rating were well vegetated with a dense root mat that extended to the water line, a clay (non-sandy) substrate, and a low bank height to bankfull height ratio. Banks with a Moderate rating were generally similar, but were typically more vertical and had a less dense root mat or rooting depth.

A variety of combinations of factors produced banks with a High BEHI rating. Banks with a High BEHI rating typically lacked woody vegetation and its associated root mass. These banks often had a sandy substrate, although steeper banks with a clay substrate also resulted in a High BEHI rating.

Banks that received a BEHI rating of Very High and Extreme were typically characterized as vertical and sandy. The differentiating factor between these two categories was the presence or absence of vegetation. Banks were rated Very High if they had some herbaceous vegetation and Extreme if they lacked significant vegetation.

Attachment B contains photos of a typical bank for each BEHI rating.

4.2 NBS

Near-bank stress ratings on Reach 5A ranged from Low to Extreme. The predominant NBS rating was Low, with around 70% of the riverbanks falling under that classification. The remaining banks were fairly evenly distributed among ratings of Moderate (8%), High (3%), Very High (8%) and Extreme (10%). **Table 6** presents the total length of feet of riverbanks and the NBS rating. Near-bank stress for each bank segment is shown on **Figure A-2** in **Attachment A**. Calculations used for Methods 2 and 4 are provided in **Attachment C**.

4.3 Erosion Rate Curve

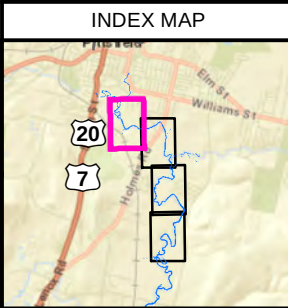
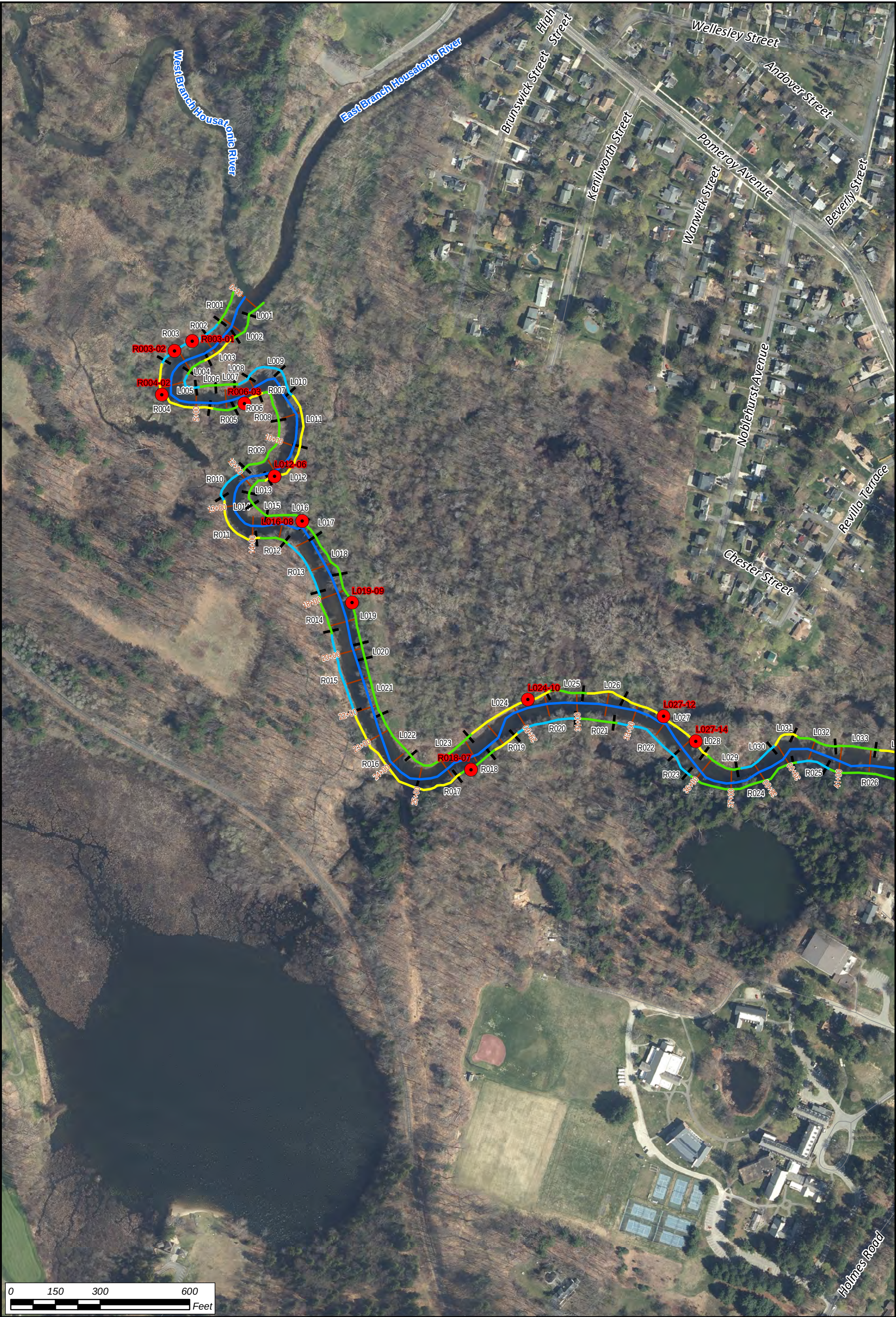
A bank erosion prediction curve calibrated to correlate erosion rates for various BEHI/NBS is currently being developed for Reach 5A. There are 19 BEHI/NBS combinations on Reach 5A. Survey monuments were established on 44 study banks on November 14, 2022, and the banks were surveyed on November 29, 2022. The study banks will be resurveyed following one year (i.e., in November 2023) to evaluate annual erosion, which will then be used to develop a bank erosion curve. As directed by EPA, the BANCS model will be calibrated, although the identification of erodible banks will continue to be based on the criteria specified in Section II.B.2a.(1)(d) of the Revised Final Permit, as described above.

5. References

- Bent, G.C., and A.M. Waite, 2013, Equations for estimating bankfull channel geometry and discharge for streams in Massachusetts: U.S. Geological Survey Scientific Investigations Report 2013–5155, 62 p., <http://dx.doi.org/10.3133/sir20135155>.
- EPA, 2009. May 2009 BEHI Photographic Log, Housatonic River Project, Rest of River. May 2009. SDMS Doc ID 522382.
- Rosgen, D., 2006. *Watershed Assessment of River Stability and Sediment Supply*. Wildland Hydrology, Fort Collins, Colorado.
- Rosgen, D., 2014. *River Stability Field Guide*. 3rd Edition. Wildland Hydrology, Fort Collins, Colorado.
- USGS (U.S. Geological Survey), 2019. The StreamStats program, online at <http://streamstats.usgs.gov>, accessed on (2023-01-07).
- Weston Solutions, Inc., 2014. GE-Pittsfield/Housatonic River Project, Task Order 2. W.O. No. 20502.169.095.0270. Derivation of Removal Volumes and Removal Acreages for SED 9/FP 4 MOD. Memorandum to EPA. May 15, 2014.

Attachment A

BEHI and NBS Figures



Legend

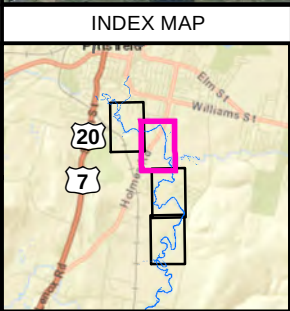
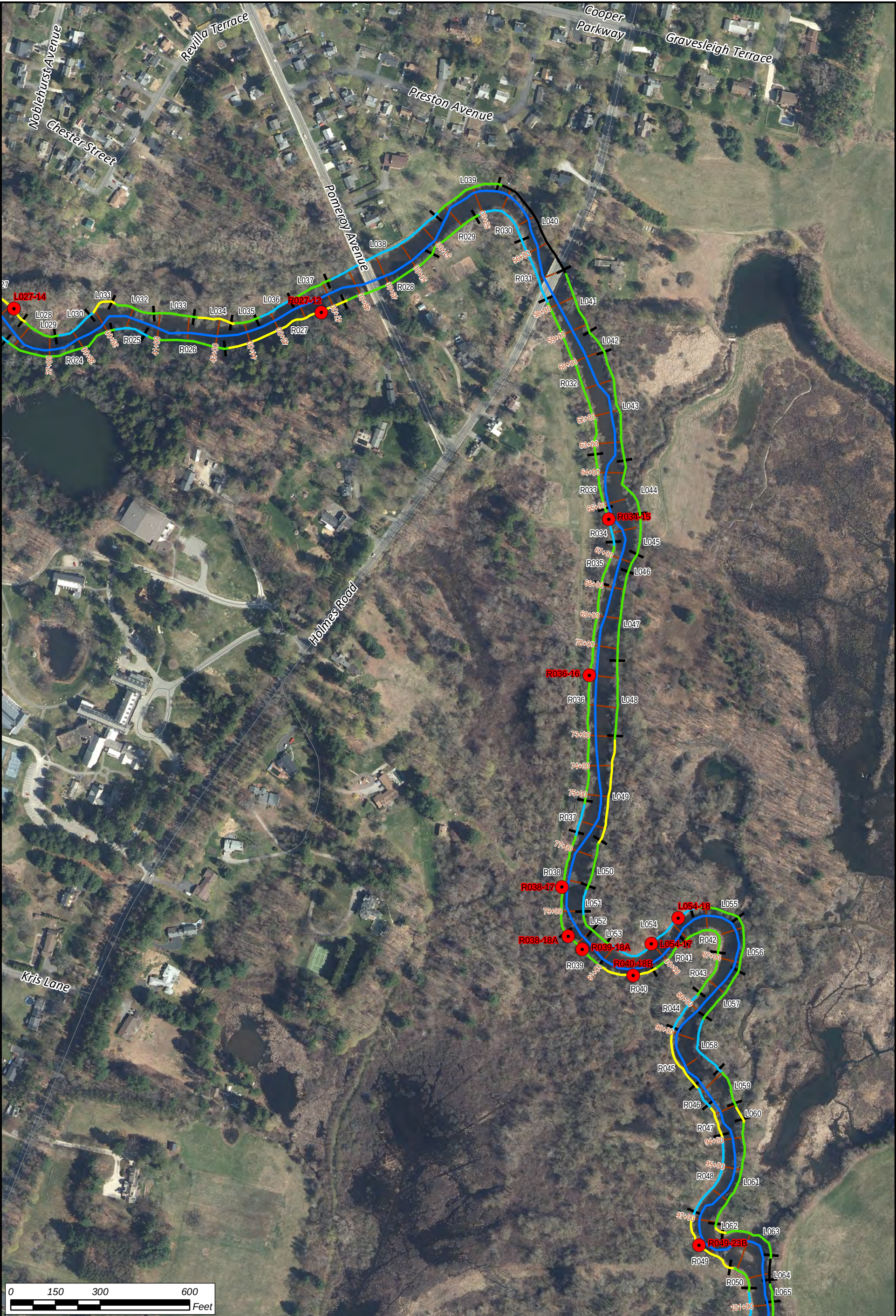
- Erosion Study Bank
- Thalweg
- River Station
- | Erodibility Line Break
- **BEHI Rating** High
- Moderate
- Low
- R017 NBS Bank Segment Label

Reach 5A
BEHI Ratings

Housatonic River - Pittsfield, MA

SCALE	DATE	PROJECT NO.
1:3,600	8/30/2023	60670015

Figure 1a
Map Sheet 1 of 4



Legend

- Erosion Study Bank
- Thalweg
- River Station
- Erodibility Line Break

BEHI Rating

- High
- Moderate
- Low
- No Rating

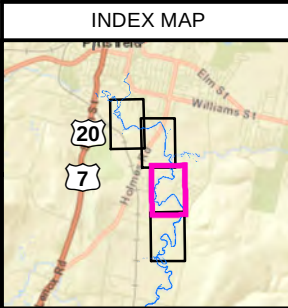
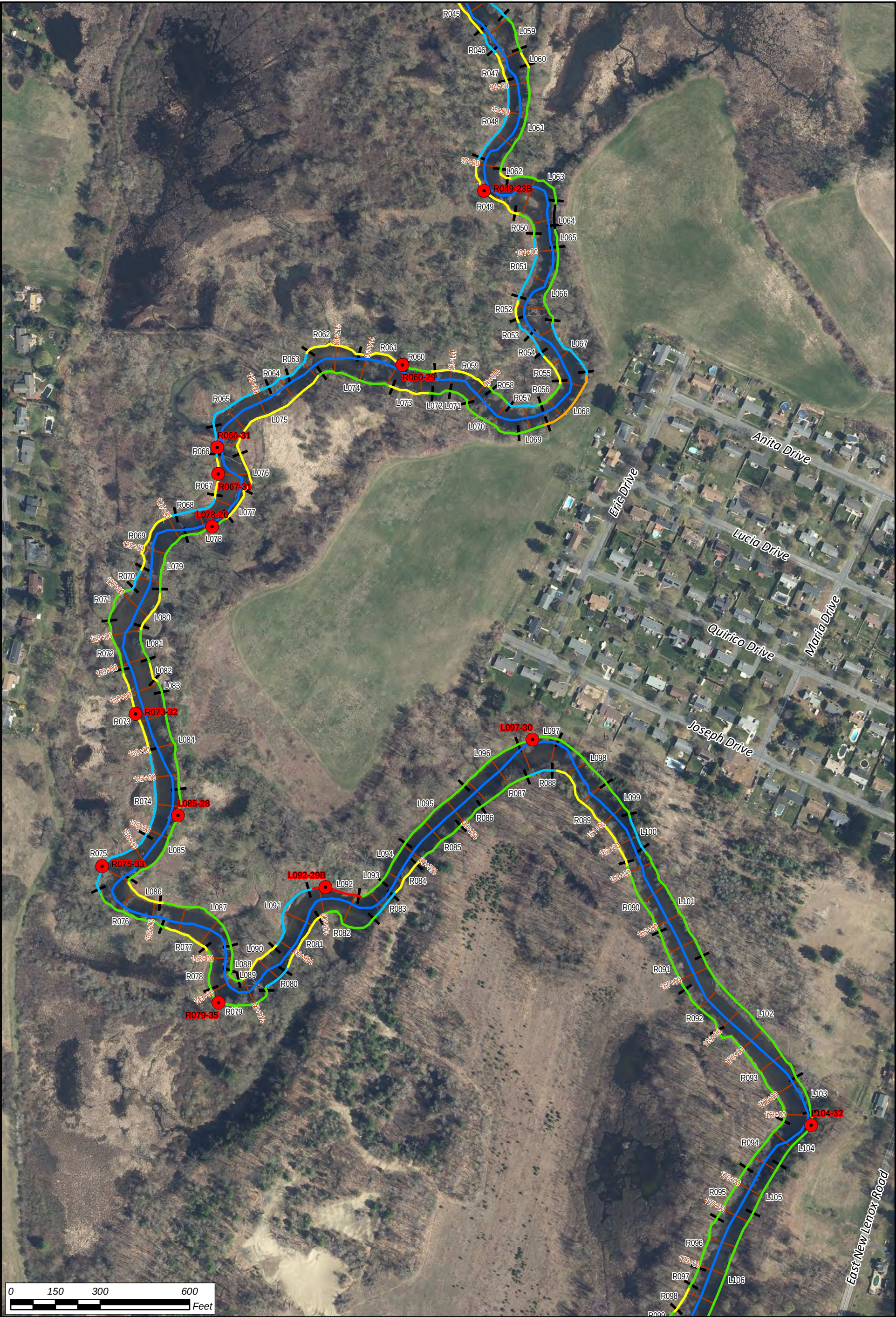
R017 NBS Bank Segment Label

Reach 5A BEHI Ratings		
Housatonic River - Pittsfield, MA		
SCALE	DATE	PROJECT NO.
1:3,600	8/30/2023	60670015

AECOM

Figure 1b

Map Sheet 2 of 4



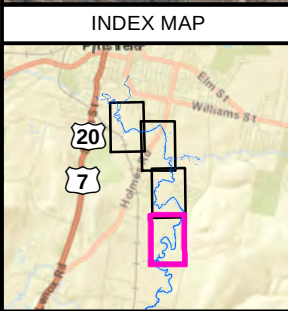
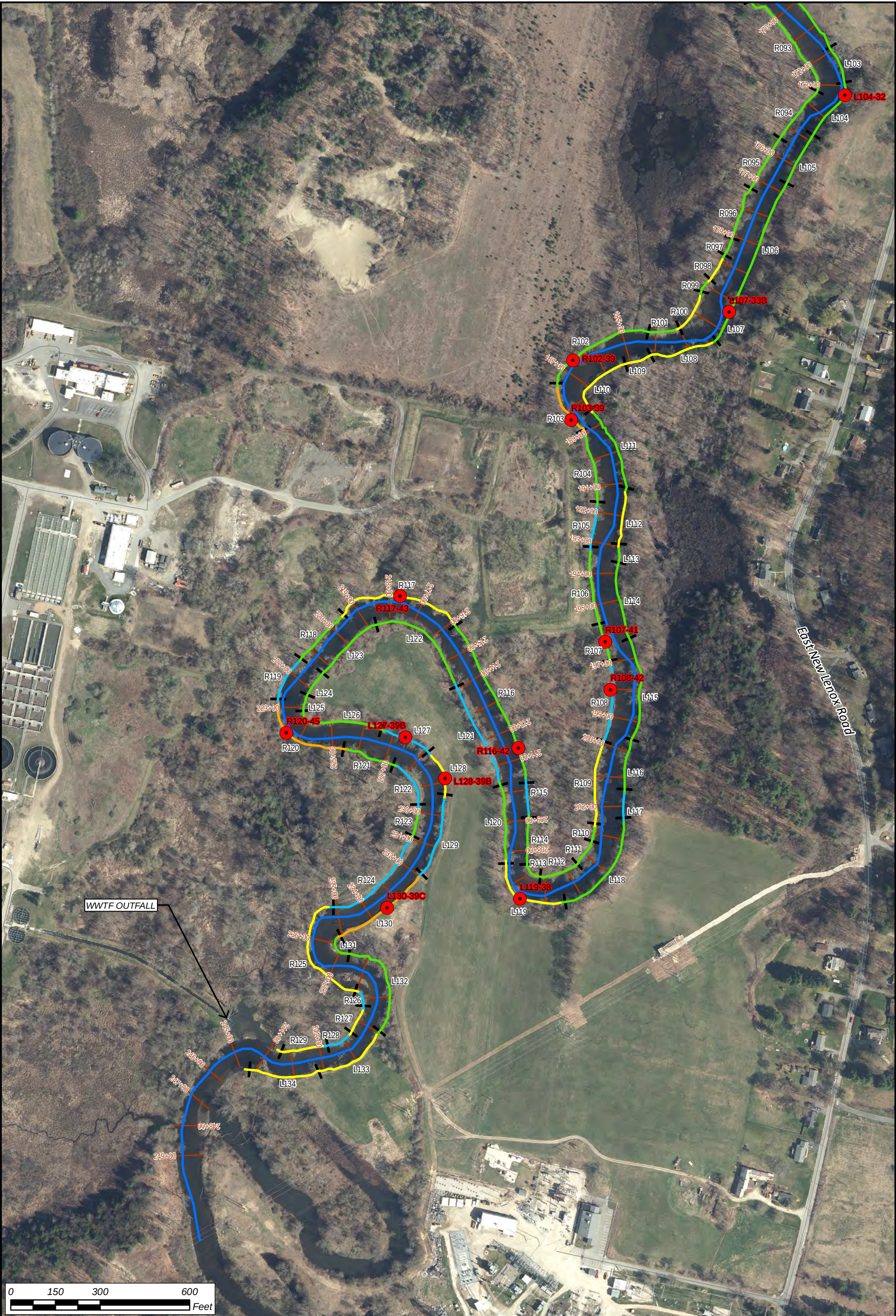
Legend

- Erosion Study Bank
- Thalweg
- River Station
- Erodibility Line Break
- BEHI Rating**
 - Extreme
 - Very High
 - High
 - Moderate
 - Low
 - No Rating
- R017 NBS Bank Segment Label

Reach 5A BEHI Ratings		
Housatonic River - Pittsfield, MA		
SCALE	DATE	PROJECT NO.
1:3,600	8/30/2023	60670015

AECOM

Figure 1c
Map Sheet 3 of 4



Legend

Erosion Study Bank

Thalweg

River Station

Erodibility Line Break

BEHI Rating

Very High

High

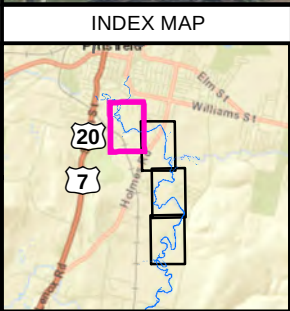
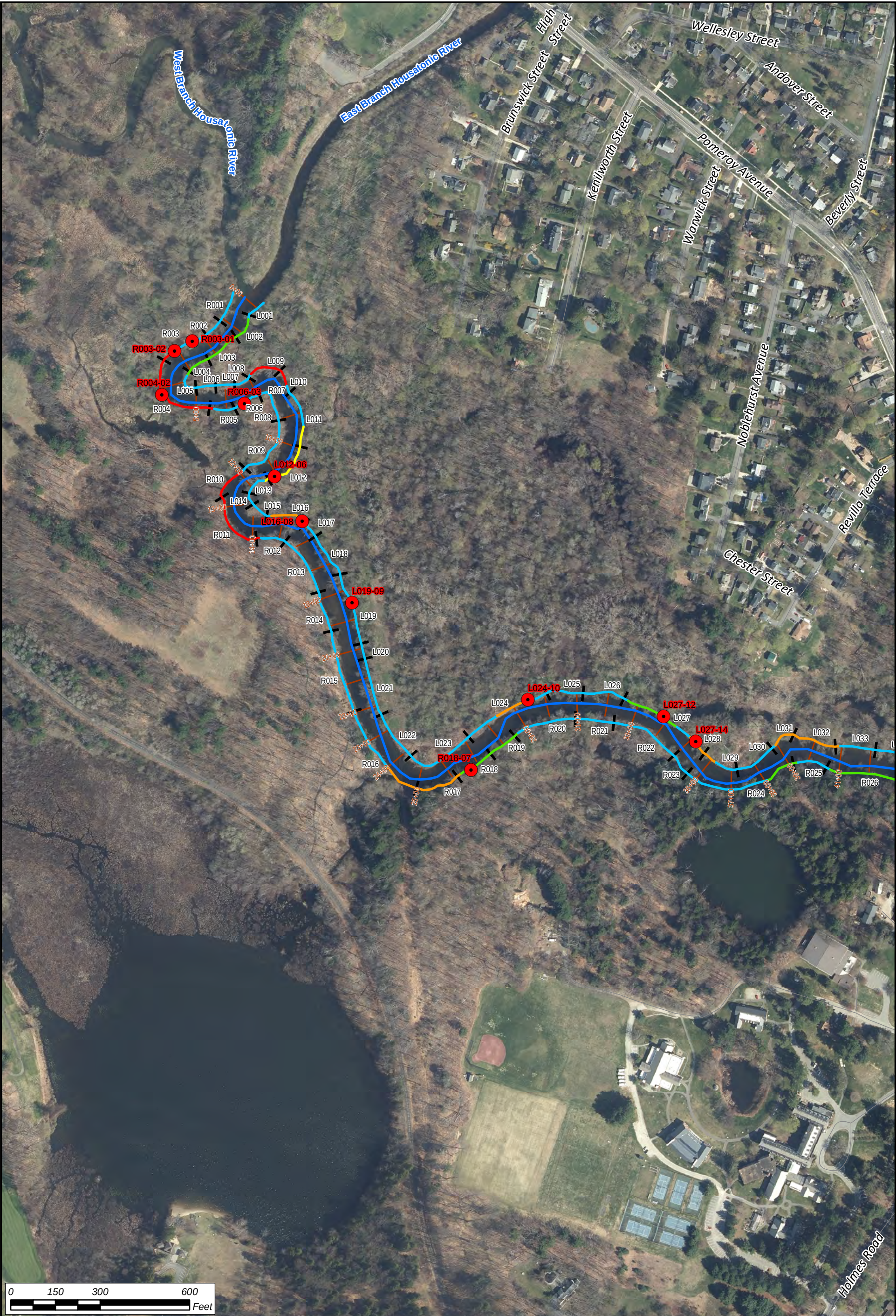
Moderate

Low

R017 NBS Bank Segment Label

Reach 5A BEHI Ratings		
Housatonic River - Pittsfield, MA		
SCALE	DATE	PROJECT NO.
1:3,600	8/30/2023	60670015

Figure 1d
Map Sheet 4 of 4



Legend

Erosion Study Bank

Thalweg

River Station

Erodibility Line Break

NBS Rating

Extreme

Very High

High

Moderate

Low

R017 NBS Bank Segment Label

Reach 5A

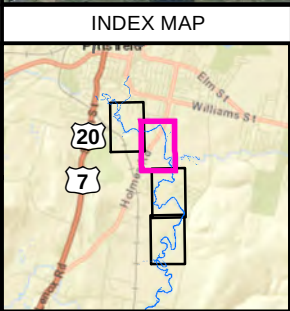
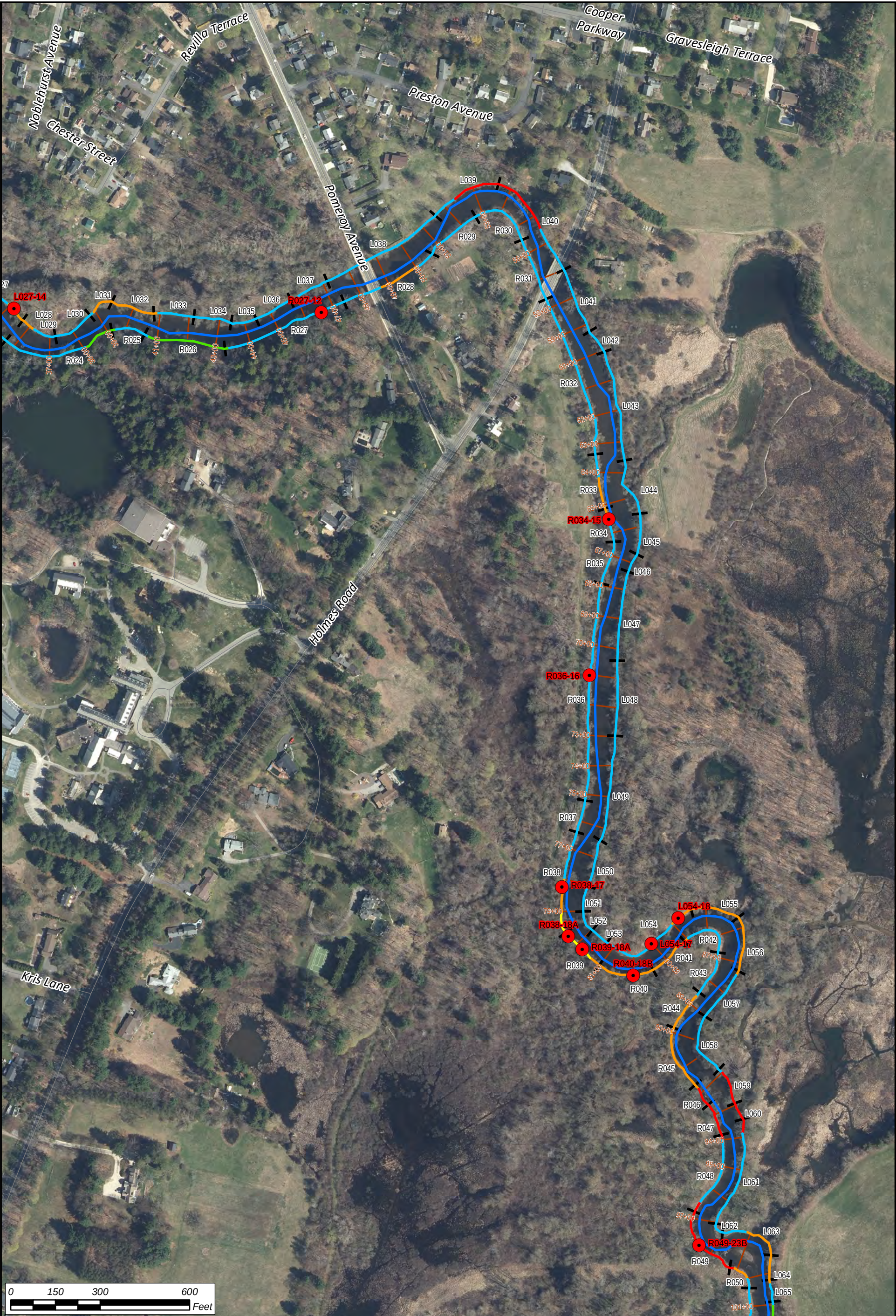
NBS Ratings

Housatonic River - Pittsfield, MA

SCALE	DATE	PROJECT NO.
1:3,600	8/30/2023	60670015

Figure 2a

Map Sheet 1 of 4



Legend

Erosion Study Bank

Thalweg

River Station

Erodibility Line Break

NBS Rating

Extreme

Very High

High

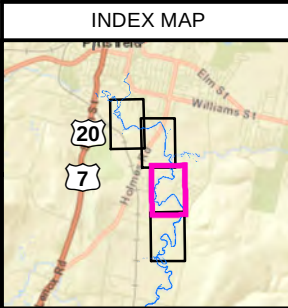
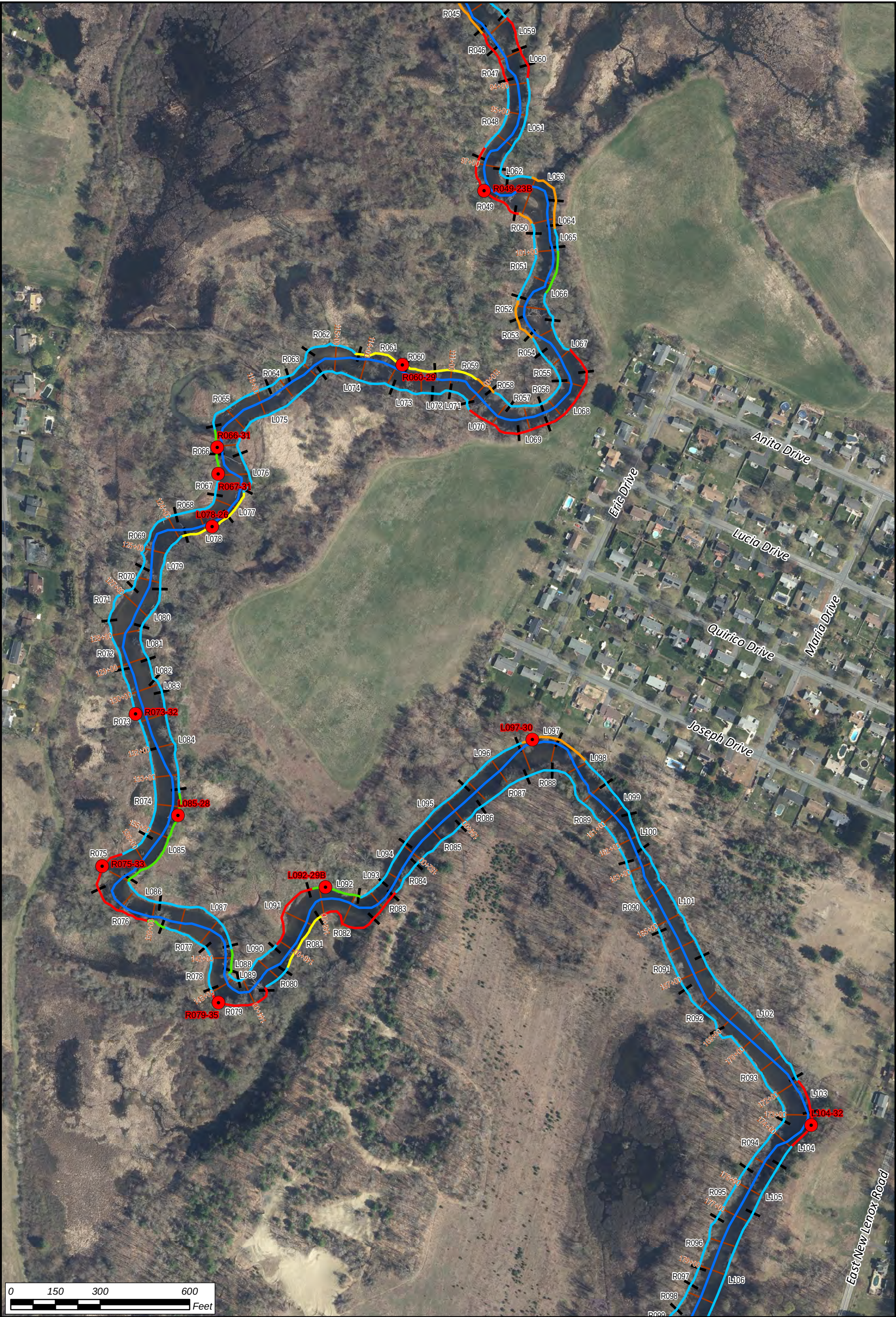
Moderate

Low

R017 NBS Bank Segment Label

Reach 5A NBS Ratings		
Housatonic River - Pittsfield, MA		
SCALE	DATE	PROJECT NO.
1:3,600	8/30/2023	60670015

Figure 2b
Map Sheet 2 of 4



Legend

- Erosion Study Bank
- Thalweg
- River Station
- Erodibility Line Break

NBS Rating

- Extreme
- Very High
- High
- Moderate
- Low

R017 NBS Bank Segment Label

**Reach 5A
NBS Ratings**

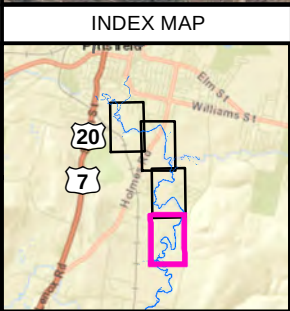
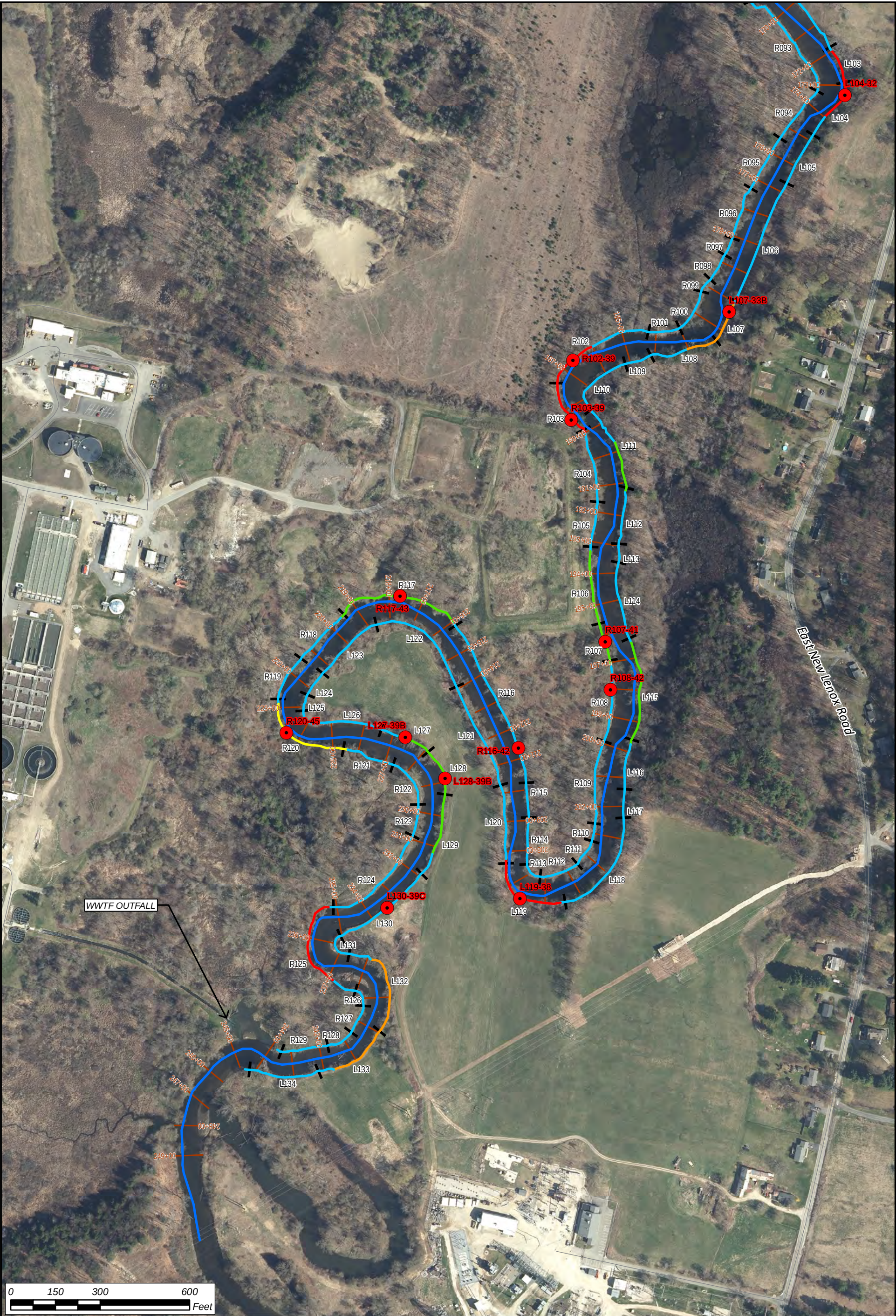
Housatonic River - Pittsfield, MA

SCALE	DATE	PROJECT NO.
1:3,600	8/30/2023	60670015

AECOM

Figure 2c

Map Sheet 3 of 4



Legend

Erosion Study Bank

Thalweg

River Station

Erodibility Line Break

NBS Rating

Extreme

Very High

High

Moderate

Low

R017 NBS Bank Segment Label

Reach 5A

NBS Ratings

Housatonic River - Pittsfield, MA

SCALE	DATE	PROJECT NO.
1:3,600	8/30/2023	60670015

Figure 2d

Map Sheet 4 of 4

Attachment B

BEHI Rating Examples



Station 98+30

BEHI Rating Examples



BEHI - LOW RATING EXAMPLE
Station 38+85 Left Bank (Bank No – L030)

<u>CHARACTERISTICS OF A BEHI WITH A LOW RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (4 ft/ 4 ft) = 1	1.0
Ratio of Root Depth / Study Bank Height (1.5 ft / 4 ft) = 0.375	5.09
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 30 X 0.375 = 11.25	8.29
Bank Angle 30°	2.49
Surface Protection 72%	2.58
Bank Material Adjustment (Sand bank adjustment)	0
Total Score	<u>19.45</u>



BEHI - LOW RATING EXAMPLE
Station 192+75 Right Bank (Bank No – R105)

<u>CHARACTERISTICS OF A BEHI WITH A LOW RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (4 ft/ 4 ft) = 1	1.0
Ratio of Root Depth / Study Bank Height (4 ft / 4 ft) = 1	0.0
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 30 X 1 = 30	5.9
Bank Angle 30°	2.49
Surface Protection 80%	1.98
Bank Material Adjustment (Sand bank adjustment)	0
Total Score	11.37



BEHI – MODERATE-LOW RATING EXAMPLE
Station 85+25 Right Bank (Bank No – R042)

<u>CHARACTERISTICS OF A BEHI WITH A MODERATE-LOW RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (5 ft/ 4 ft) = 1.25	4.36
Ratio of Root Depth / Study Bank Height (4 ft / 5 ft) = 0.8	2.49
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 25 X 0.8 = 20	7.18
Bank Angle 20°	1.98
Surface Protection 50%	4.29
Bank Material Adjustment (Sand bank adjustment)	0
Total Score	20.30



BEHI - MODERATE RATING EXAMPLE
Station 215+70 Left Bank (Bank No – L122)

<u>CHARACTERISTICS OF A BEHI WITH A MODERATE RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (5 ft/ 2.5 ft) = 2.0	7.91
Ratio of Root Depth / Study Bank Height (2.5 ft / 5 ft) = 0.5	3.95
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 45 X 0.5 = 22.5	6.86
Bank Angle 30°	2.49
Surface Protection 55%	3.91
Bank Material Adjustment (Sand bank adjustment)	0
Total Score	<u>25.11</u>



**BEHI – MODERATE-HIGH RATING EXAMPLE
Station 87+95 Left Bank (Bank No – L057)**

<u>CHARACTERISTICS OF A BEHI WITH A MODERATE-HIGH RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (10 ft/ 8.0 ft) = 1.25	4.36
Ratio of Root Depth / Study Bank Height (3 ft / 10 ft) = 0.3	5.98
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 20 X 0.3 = 6	9.07
Bank Angle 45°	3.18
Surface Protection 30%	5.94
Bank Material Adjustment (Sand bank adjustment)	0.0
Total Score	28.53



BEHI - HIGH RATING EXAMPLE
Station 98+30 Left Bank (Bank No – L062)

<u>CHARACTERISTICS OF A BEHI WITH A HIGH RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (4.0 ft/ 4.0 ft) = 1.0	1.0
Ratio of Root Depth / Study Bank Height (1.0 ft / 4.0 ft) = 0.25	6.59
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 15 X 0.25 = 3.75	9.42
Bank Angle 25°	2.22
Surface Protection 25%	6.49
Bank Material Adjustment (Sand bank adjustment)	<u>10.0</u>
Total Score	35.72



BEHI - HIGH RATING EXAMPLE
Station 217+80 Right Bank (Bank No – R117)

<u>CHARACTERISTICS OF A BEHI WITH A HIGH RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (8.0 ft/ 4.0 ft) = 2.0	7.91
Ratio of Root Depth / Study Bank Height (5.0 ft / 8.0 ft) = 0.625	3.27
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 10 X 0.625 = 6.25	9.03
Bank Angle 90°	8.0
Surface Protection 30%	5.94
Bank Material Adjustment (Sand bank adjustment)	0
Total Score	34.15



BEHI - VERY HIGH RATING EXAMPLE
Station 188+20 Right Bank (Bank No – R103)

<u>CHARACTERISTICS OF A BEHI WITH A VERY HIGH RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (12.0 ft/ 4.0 ft) = 3.0	9.35
Ratio of Root Depth / Study Bank Height (7.0ft / 12.0 ft) = 0.58	3.46
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 20 X 0.58 = 11.7	8.24
Bank Angle 90°	8.0
Surface Protection 20%	7.04
Bank Material Adjustment (Sandy cobble bank adjustment)	<u>5.0</u>
Total Score	41.09



BEHI – VERY HIGH RATING EXAMPLE
Station 233+25 Left Bank (Bank No – L130)

<u>CHARACTERISTICS OF A BEHI WITH A VERY HIGH RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (9.5 ft/ 7 ft) = 1.4	5.05
Ratio of Root Depth / Study Bank Height (1.0 ft / 9.5 ft) = 0.12	8.51
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 5 X 0.12 = 0.6	9.92
Bank Angle 90°	8.0
Surface Protection 10%	9.02
Bank Material Adjustment (Sand bank adjustment)	0.0
Total Score	40.5



BEHI - EXTREME RATING EXAMPLE
Station 148+40 Left Bank (Bank No – L092)

<u>CHARACTERISTICS OF A BEHI WITH AN EXTREME RATING</u>	<u>SCORE</u>
Ratio of Study Bank Height / Bankfull Height (8.5 ft/ 6 ft) = 1.4	5.4
Ratio of Root Depth / Study Bank Height (0.5 ft / 8.5 ft) = 0.06	8.93
Weighted Root Density = Root Density % X (Ratio of Root Depth / Study Bank Height) 5 X 0.06 = 0.3	9.95
Bank Angle 90°	8.0
Surface Protection 5%	10.0
Bank Material Adjustment (Sand bank adjustment)	
Total Score	<u>10.0</u> 52.28

Attachment C

Tables

BEHI Data (Field Measurements and Calculations)

NBS Calculations

Reach 5A BEHI Analysis

Bank No.	Field Measurements						Bank Toe El. (ft. above WS)	BEHI Adjustment (Material, Stratification)		Bank / Bankfull BEHI	Root Depth BEHI	Root Density BEHI	Bank Angle BEHI	Surface Protec. BEHI	FINAL BEHI VALUE	Final BEHI Name
	Bank Height (ft)	Bankfull Height (ft)	Root Depth (ft)	Root Density (%)	Bank Angle (deg.)	Surface Protection (%)		Field Notes	Adjustment Value							
L001	4	4	3.5	30%	90	70%	0	at water surface	5	1.00	2.08	6.38	8.00	2.73	25.19	Moderate
L002	7	4	6	60%	45	60%	0	at water surface		7.09	2.20	4.23	3.18	3.52	20.22	Moderate
L003	9	7	5	30%	90	30%	-3	3' below water		4.62	3.62	8.31	8.00	5.94	30.48	High
L004	9	7.7	6	60%	120	60%	-3	3' below water surface		3.38	3.09	5.06	9.16	3.52	24.20	Moderate
L005	5	5	4	30%	30	40%	1	1' above water		1.00	2.49	6.67	2.49	5.06	17.71	Low
L006	7	4	5.5	40%	90	40%	0	from water surface		7.09	2.55	5.78	8.00	5.06	28.48	Moderate
L007	5.5	4	4.5	20%	35	40%	0	from water surface		5.16	2.40	7.64	2.71	5.06	22.97	Moderate
L008	3	2	3	70%	32	60%	2	from 2' above water		5.86	0.00	2.73	2.58	3.52	14.69	Low
L009	4	4	2.5	35%	45	40%	0	from water surface		1.00	3.27	6.94	3.18	5.06	19.46	Low
L010	8	4	5	50%	40	60%	0	from water surface, subtr 5 for cobble	-5	7.91	3.27	5.79	2.93	3.52	18.43	Low
L011	10.5	6.5	4.5	15%	45	20%	-2.5	2.5' below water		6.51	4.57	9.00	3.18	7.04	30.30	High
L012	7.5	5.5	3	10%	80	10%	-1.5	1.5' below water		5.09	4.83	9.38	6.00	9.02	34.32	High
L013	6.5	4	3	20%	33	30%	0	from water surface		6.55	4.28	8.57	2.62	5.94	27.96	Moderate
L014	5	4	4	30%	28	40%	0	from water surface		4.36	2.49	6.67	2.38	5.06	20.96	Moderate
L015	6	5	4	35%	25	40%	-1	from 1' in water		4.00	3.09	6.76	2.22	5.06	21.13	Moderate
L016	7	4	5	40%	90	60%	0	from water surface		7.09	2.85	6.08	8.00	3.52	27.55	Moderate
L017	7	5	4	25%	35	30%	-1	1' below surface		5.30	3.53	7.91	2.71	5.94	25.39	Moderate
L018	6	4	4	35%	90	40%	0	from water surface		5.86	3.09	6.76	8.00	5.06	28.77	Moderate
L019	8	4	4	50%	70	65%	0	from water surface		7.91	3.95	6.54	4.76	3.13	26.27	Moderate
L020	8	4	5	30%	45	35%	0	from water surface		7.91	3.27	7.34	3.18	5.50	27.20	Moderate
L021	5	3	4.5	75%	90	75%	1	1' above water		6.72	1.91	2.94	8.00	2.35	21.93	Moderate
L022	5	4	2	25%	45	25%	0	at water surface		4.36	4.83	8.45	3.18	6.49	27.31	Moderate
L023	4.5	3	3	25%	50	30%	1	1' above water		5.86	3.09	7.61	3.40	5.94	25.89	Moderate
L024	6.5	4	3	20%	90	25%	0	at water surface		6.55	4.28	8.57	8.00	6.49	33.88	High
L025	7	4	4	55%	47	60%	0	at water surface		7.09	3.53	5.78	3.27	3.52	23.19	Moderate
L026	8	4	2.5	15%	45	10%	0	at water surface		7.91	5.82	9.27	3.18	9.02	35.20	High
L027	7.5	4	2	15%	90	22%	0	at water surface		7.57	6.39	9.38	8.00	6.82	38.16	High
L028	6	3.5	3.5	70%	40	75%	0.5	6" AWS		6.93	3.46	5.00	2.93	2.35	20.68	Moderate
L029	4	3.5	2	10%	30	20%	0.5	6" AWS		2.86	3.95	9.22	2.49	7.04	25.56	Moderate
L030	4	4	1.5	30%	30	72%	0	at water surface		1.00	5.09	8.29	2.49	2.58	19.45	Low
L031	7	4	3	15%	60	20%	0	FWS, sample cobbles @???		7.09	4.57	9.00	4.00	7.04	31.71	High
L032	4	4	2	40%	90	40%	0	FWS		1.00	3.95	7.18	8.00	5.06	25.19	Moderate
L033	5.5	3	4	70%	40	70%	1	1' AWS		7.43	2.79	4.27	2.93	2.73	20.17	Moderate
L034	6	2	4	15%	90	20%	2	2' AWS		9.35	3.09	8.45	8.00	7.04	35.93	High
L035	3	2	2	15%	58	20%	2	2' AWS		5.86	3.09	8.45	3.88	7.04	28.32	Moderate
L036	5	4	3.5	70%	35	80%	0	fws		4.36	2.92	4.42	2.71	1.98	16.39	Low
L037	7	4	5	60%	60	60%	0	fws		7.09	2.85	4.86	4.00	3.52	22.32	Moderate
L038	4	3.5	3	70%	45	70%	0.5	6" AWS		2.86	2.69	4.15	3.18	2.73	15.60	Low
L039	7	4	5	70%	45	70%	0	FWS, ???		7.09	2.85	4.35	3.18	2.73	20.20	Moderate
L040	6	NR	NR	NR	60	NR	NR			N/A	N/A	N/A	4.00	N/A	N/A	N/A
L041	6	4	3	50%	90	60%	0	fws		5.86	3.95	6.54	8.00	3.52	27.87	Moderate
L042	6	4	3.5	45%	20	55%	0	fws		5.86	3.46	6.38	1.98	3.91	21.59	Moderate
L043	6.5	2	4	30%	60	40%	2	2' AWS		9.91	3.31	7.38	4.00	5.06	29.66	High
L044	5	2.5	3	60%	45	65%	1.5	1.5' AWS		7.91	3.37	5.40	3.18	3.13	22.98	Moderate
L045	7	4	3	25%	30	50%	0	FWS		7.09	4.57	8.36	2.49	4.29	26.81	Moderate
L046	5.5	3	4	40%	50	50%	1	1' AWS		7.43	2.79	6.01	3.40	4.29	23.93	Moderate
L047	6	4	3	40%	45	45%	0	FWS		5.86	3.95	7.18	3.18	4.68	24.84	Moderate
L048	6	2	4	50%	80	50%	2	2' AWS		9.35	3.09	5.62	6.00	4.29	28.35	Moderate
L049	8	4	3	30%	55	40%	0	FWS		7.91	5.09	8.29	3.69	5.06	30.04	High
L050	4.5	3.5	3	25%	90	30%	3	3' AWS		4.62	3.09	7.61	8.00	5.94	29.25	Moderate
L051	4	3	3	50%	45	60%	1	1' AWS		4.91	2.69	5.27	3.18	3.52	19.57	Moderate
L052	6	4	3	55%	25	60%	0	fws		5.86	3.95	6.22	2.22	3.52	21.77	Moderate
L053	5	4	4	15%	70	20%	3	3' aws		4.36	2.49	8.20	4.76	7.04	26.84	Moderate
L054	6	4	5	65%	45	75%	0	fws		5.86	2.33	4.02	3.18	2.35	17.73	Low
L055	8	5.5	3	30%	62	30%	-1.5	1.5' bws		5.61	5.09	8.29	4.14	5.94	29.07	Moderate
L056	10.5	7.5	5.5	25%	60	25%	-3.5	3.5'bws		5.30	3.80	8.06	4.00	6.49	27.65	Moderate
L057	10	8	3	20%	45	30%	-4	4' bws		4.36	5.98	9.07	3.18	5.94	28.53	Moderate

Reach 5A BEHI Analysis

Bank No.	Field Measurements							BEHI Adjustment (Material, Stratification)		Bank / Bankfull BEHI	Root Depth BEHI	Root Density BEHI	Bank Angle BEHI	Surface Protect. BEHI	FINAL BEHI VALUE	Final BEHI Name
	Bank Height (ft)	Bankfull Height (ft)	Root Depth (ft)	Root Density (%)	Bank Angle (deg.)	Surface Protection (%)	Bank Toe El. (ft. above WS)	Field Notes	Adjustment Value							
L058	4	4	2	45%	25	60%	0	fws		1.00	3.95	6.86	2.22	3.52	17.55	Low
L059	8	4	6	70%	100	70%	0	fws		7.91	2.69	4.15	8.53	2.73	26.01	Moderate
L060	8.5	4.5	3.5	10%	20	25%	-0.5	6" BWS		7.61	4.72	9.36	1.98	6.49	30.17	High
L061	8	5.5	6	30%	90	30%	-1.5	1.5' bws		5.61	2.69	6.86	8.00	5.94	29.10	Moderate
L062	4	4	1	15%	25	25%	0	FWS (SAND +10pts)	10	1.00	6.59	9.42	2.22	6.49	35.72	High
L063	5.5	5.5	2	40%	70	45%	-1.5	1.5' BWS		1.00	5.21	7.87	4.76	4.68	23.51	Moderate
L064	15	NR	NR	NR	60	NR	NR	Riprap-protected bank, ???		N/A	N/A	N/A	4.00	N/A	N/A	N/A
L065	8.5	6.5	5	60%	90	65%	-1.5	1.5' bws		4.77	3.44	5.45	8.00	3.13	24.78	Moderate
L066	9.5	6	6	60%	90	65%	-3.5	3.5' bws		6.34	3.25	5.24	8.00	3.13	25.95	Moderate
L067	3.5	3.5	2	60%	30	70%	0.5	.5' AWS		1.00	3.53	5.54	2.49	2.73	15.29	Low
L068	19.5	4	10	25%	55	35%	0	FWS, Sand/Gravel - +10	10	10.00	3.87	8.09	3.69	5.50	41.15	Very High
L069	10	4	8	40%	50	50%	3	3' AWS		8.67	2.49	5.73	3.40	4.29	24.59	Moderate
L070	8	6.5	4.5	40%	90	45%	-2.5	2.5' BWS		4.22	3.58	6.86	8.00	4.68	27.34	Moderate
L071	3.5	3.5	2.5	40%	90	40%	0.5	0.5' AWS		1.00	2.85	6.08	8.00	5.06	23.00	Moderate
L072	3	3	0.5	50%	30	50%	1	1' aws		1.00	7.77	8.71	2.49	4.29	24.26	Moderate
L073	7	4	2	20%	25	35%	0	fws		7.09	6.16	9.11	2.22	5.50	30.08	High
L074	7	5	2.5	25%	45	25%	-1	1 bws		5.30	5.28	8.62	3.18	6.49	28.86	Moderate
L075	6.5	4	3.5	35%	35	40%	0	FWS, +10 sand adj	10	6.55	3.72	7.33	2.71	5.06	35.37	High
L076	7	4	3.5	10%	80	15%	0	FWS		7.09	3.95	9.22	6.00	7.79	34.05	High
L077	8.5	5.5	2	20%	45	20%	-1.5	1.5' bws		6.12	6.80	9.27	3.18	7.04	32.42	High
L078	6.5	5.5	2	15%	20	20%	-1.5	1.5' bws		3.64	5.88	9.28	1.98	7.04	27.82	Moderate
L079	3	2	2	40%	30	50%	2	2' AWS		5.86	3.09	6.33	2.49	4.29	22.06	Moderate
L080	7	4	1	10%	55	10%	0	fws		7.09	8.08	9.78	3.69	9.02	37.66	High
L081	4	4	0	45%	20	45%	0	fws		1.00	6.59	8.29	1.98	4.68	22.54	Moderate
L082	5.5	4	1	35%	45	35%	0	fws		5.16	7.56	9.01	3.18	5.50	30.41	High
L083	3	3	0.5	65%	17.5	75%	0.5	6" AWS		1.00	7.77	8.34	1.78	2.35	21.25	Moderate
L084	6.5	4	2	40%	60	50%	0	fws		6.55	5.88	8.16	4.00	4.29	28.88	Moderate
L085	7.5	5.5	3	30%	60	40%	-1.5	1.5' BWS		5.09	4.83	8.20	4.00	5.06	27.18	Moderate
L086	4	4	1	15%	20	15%	0	FWS, +10 sand adj	10	1.00	6.59	9.42	1.98	7.79	36.78	High
L087	6.5	5	3	40%	45	40%	-1	1' bws		4.72	4.28	7.38	3.18	5.06	24.62	Moderate
L088	8	7	5	50%	90	50%	-3	3' bws		2.86	3.27	5.79	8.00	4.29	24.22	Moderate
L089	3.5	3.5	2	35%	35	40%	0.5	6"aws, +10 sand	10	1.00	3.53	7.18	2.71	5.06	29.49	Moderate
L090	7	5.5	2	15%	90	15%	-1.5	1.5' bws		4.52	6.16	9.34	8.00	7.79	35.81	High
L091	4	4	1.5	40%	15	50%	0	fws		1.00	5.09	7.82	1.58	4.29	19.78	Moderate
L092	8.5	6	0.5	5%	90	5%	-2	2' bws, +10 sand	10	5.40	8.93	9.95	8.00	10.00	52.28	Extreme
L093	4	4	2	30%	30	35%	0	fws		1.00	3.95	7.82	2.49	5.50	20.75	Moderate
L094	5.5	5.5	1	20%	42	25%	-2	2' bws		1.00	7.56	9.44	3.03	6.49	27.52	Moderate
L095	7	5.5	2	25%	45	30%	-1.5	1.5' bws		4.52	6.16	8.89	3.18	5.94	28.69	Moderate
L096	3	3	1	40%	20	40%	-1	1' bws		1.00	5.56	8.03	1.98	5.06	21.63	Moderate
L097	5.5	2.5	5	55%	90	60%	1.5	1.5' aws		8.30	1.82	4.35	8.00	3.52	25.99	Moderate
L098	4	2	4	10%	45	10%	3	3' aws, -5 cobble	-5	7.91	0.00	8.45	3.18	9.02	23.55	Moderate
L099	3	3	1	15%	10	15%	0	aws		1.00	5.56	9.22	1.39	7.79	24.96	Moderate
L100	8	7	2	20%	45	20%	-3	3' bws, -10 cobble	-10	2.86	6.59	9.22	3.18	7.04	18.89	Low
L101	5	4	3	40%	90	45%	0	fws		4.36	3.37	6.67	8.00	4.68	27.08	Moderate
L102	3	3	1	40%	30	50%	0	fws		1.00	5.56	8.03	2.49	4.29	21.37	Moderate
L103	4	4	3	20%	90	30%	0	fws		1.00	2.69	7.82	8.00	5.94	25.44	Moderate
L104	7	4	2	20%	50	20%	0	fws, cobble -10	-10	7.09	6.16	9.11	3.40	7.04	22.80	Moderate
L105	7	4	3	25%	40	25%	0	fws		7.09	4.57	8.36	2.93	6.49	29.45	Moderate
L106	6	4	3	30%	45	30%	0	fws		5.86	3.95	7.82	3.18	5.94	26.74	Moderate
L107	4	4	1.5	35%	35	40%	0	fws		1.00	5.09	8.05	2.71	5.06	21.92	Moderate
L108	5.5	3.5	3.5	60%	90	60%	0.5	6" aws +5 cobble	5	6.28	3.23	5.21	8.00	3.52	31.24	High
L109	7	4	2	20%	30	25%	0	fws		7.09	6.16	9.11	2.49	6.49	31.34	High
L110	3.5	2.5	1	50%	30	60%	1.5	1.5' AWS, +10 sand	10	5.30	6.16	7.91	2.49	3.52	35.37	High
L111	5	4.5	2	50%	30	55%	-1.5	1.5' bws		2.22	4.83	7.18	2.49	3.91	20.63	Moderate
L112	8	4	3	15%	40	15%	0	fws		7.91	5.09	9.13	2.93	7.79	32.85	High
L113	7	2.5	4	40%	50	50%	1.5	1.5' aws		9.05	3.53	6.82	3.40	4.29	27.08	Moderate
L114	4	3.5	2	50%	80	65%	0.5	6" aws		2.86	3.95	6.54	6.00	3.13	22.47	Moderate

Reach 5A BEHI Analysis

Bank No.	Field Measurements							BEHI Adjustment (Material, Stratification)		Bank / Bankfull BEHI	Root Depth BEHI	Root Density BEHI	Bank Angle BEHI	Surface Protect. BEHI	FINAL BEHI VALUE	Final BEHI Name
	Bank Height (ft)	Bankfull Height (ft)	Root Depth (ft)	Root Density (%)	Bank Angle (deg.)	Surface Protection (%)	Bank Toe El. (ft. above WS)	Field Notes	Adjustment Value							
L115	8	4	4	45%	80	45%	0	fws		7.91	3.95	6.86	6.00	4.68	29.39	Moderate
L116	3	2	3	60%	90	65%	2	2' AWS		5.86	0.00	3.55	8.00	3.13	20.54	Moderate
L117	3	3	1.5	50%	10	60%	0.5	6" aws		1.00	3.95	6.54	1.39	3.52	16.39	Low
L118	7	4	5	25%	80	30%	0	fws		7.09	2.85	7.45	6.00	5.94	29.34	Moderate
L119	7	3	2	20%	30	20%	1	1' aws		8.48	6.16	9.11	2.49	7.04	33.28	High
L120	4	3	2.5	40%	100	40%	1	1' aws		4.91	3.27	6.54	8.53	5.06	28.33	Moderate
L121	3.5	3.5	2	60%	20	75%	0	aws		1.00	3.53	5.54	1.98	2.35	14.40	Low
L122	5	2.5	2.5	45%	30	55%	1.5	1.5' aws		7.91	3.95	6.86	2.49	3.91	25.11	Moderate
L123	6	4.5	2.5	30%	30	40%	-0.5	6" bws		4.91	4.68	8.13	2.49	5.06	25.28	Moderate
L124	4	3	2	30%	33	45%	1	1' aws		4.91	3.95	7.82	2.62	4.68	23.98	Moderate
L125	2.5	2.5	2	50%	15	70%	1.5	1.5' aws, +10 pt SA	10	1.00	2.49	5.06	1.58	2.73	22.86	Moderate
L126	4	3	2	50%	40	55%	1	1' aws		4.91	3.95	6.54	2.93	3.91	22.24	Moderate
L127	5	5	3	40%	35	60%	-1.5	1.5' bws		1.00	3.37	6.67	2.71	3.52	17.27	Low
L128	10	6	3.5	20%	45	30%	-2	2' bws		6.72	5.35	8.91	3.18	5.94	30.10	High
L129	8	6	6	75%	80	75%	-2	2' bws		4.91	2.69	3.85	6.00	2.35	19.81	Moderate
L130	9.5	7	1	5%	90	10%	-3	3' bws		5.05	8.51	9.92	8.00	9.02	40.50	Very High
L131	5	3.5	2	40%	40	50%	0.5	6" aws		5.46	4.83	7.69	2.93	4.29	25.21	Moderate
L132	11	9	7	30%	90	35%	-5	5' bws		4.16	3.23	7.30	8.00	5.50	28.19	Moderate
L133	10.5	6.5	1	5%	75	10%	-2.5	2.5' bws		6.51	8.61	9.93	5.36	9.02	39.42	High
L134	10	7	2	20%	45	30%	-3	3' bws		5.46	7.32	9.38	3.18	5.94	31.27	High
R001	6.5	4	5	20%	50	30%	NR			6.55	2.61	7.77	3.40	5.94	26.26	Moderate
R002	5.5	5	4	40%	35	60%	-1	1' bws		2.00	2.79	6.01	2.71	3.52	17.04	Low
R003	4	4	2.5	40%	30	70%	NR	unkind angle (30 or less)		1.00	3.27	6.54	2.49	2.73	16.03	Low
R004	10	7.5	3	10%	90	20%	-3.5	bank 3.5 feet below water (bws)		4.91	5.98	9.53	8.00	7.04	35.47	High
R005	8	4	5	40%	30	70%	0	bank at ws		7.91	3.27	6.54	2.49	2.73	22.94	Moderate
R006	9	5	4	15%	90	10%	-1	bank 1' bws		7.33	4.43	8.97	8.00	9.02	37.74	High
R007	9	5	7	50%	90	50%	-1	1' bws		7.33	2.58	5.15	8.00	4.29	27.35	Moderate
R008	6	4	3	30%	30	40%	0	bank at ws		5.86	3.95	7.82	2.49	5.06	25.17	Moderate
R009	5	4	4	20%	20	40%	0	bank at ws, HDR scored 19		4.36	2.49	7.69	1.98	5.06	21.58	Moderate
R010	3.5	3.5	2.5	50%	45	70%	0	bank at ws		1.00	2.85	5.42	3.18	2.73	15.18	Low
R011	15	4	10	10%	45	30%	0	bank at ws, look like previous high erosion but now deposition		10.00	3.09	8.97	3.18	5.94	31.17	High
R012	15	4	10	30%	20	50%	0	bank at ws, -5 for cobbles	-5	10.00	3.09	7.18	1.98	4.29	21.54	Moderate
R013	5	4	5	50%	70	80%	0	bank above ws		4.36	0.00	4.35	4.76	1.98	15.44	Low
R014	6	4	5	60%	90	80%	0	bank at ws		5.86	2.33	4.35	8.00	1.98	22.51	Moderate
R015	3	3	1.5	25%	20	50%	0	bankfull bench -revised end point		1.00	3.95	8.13	1.98	4.29	19.35	Low
R016	6	5	3	40%	120	20%	-1	bank 1' bws		4.00	3.95	7.18	9.16	7.04	31.33	High
R017	20	4	10	25%	70	20%	0	bank at ws		10.00	3.95	8.13	4.76	7.04	33.88	High
R018	6.5	4.5	4.5	40%	50	60%	-0.5	bank .5' bws, end point shot in channel		5.55	2.96	6.19	3.40	3.52	21.62	Moderate
R019	8	4	5	20%	70	20%	0	bank at ws		7.91	3.27	8.13	4.76	7.04	31.11	High
R020	5	4	4	60%	53	80%	0	bank at ws		4.36	2.49	4.49	3.57	1.98	16.89	Low
R021	4	4	3	60%	90	50%	0	ws at bank edge		1.00	2.69	4.70	8.00	4.29	20.69	Moderate
R022	4	4	3	20%	20	60%	0	bank at ws		1.00	2.69	7.82	1.98	3.52	17.01	Low
R023	4	4	2	20%	8	40%	0	bank at ws		1.00	3.95	8.45	1.30	5.06	19.75	Moderate
R024	6	4	4	50%	120	30%	0	bank at ws		5.86	3.09	5.62	9.16	5.94	29.66	High
R025	4.5	4	3	20%	30	65%	0	bank at ws		2.50	3.09	8.03	2.49	3.13	19.23	Low
R026	7	4	6	20%	20	70%	0	bank at ws		7.09	2.20	7.55	1.98	2.73	21.54	Moderate
R027	6	4	2	15%	45	20%	0	bank at ws		5.86	5.56	9.22	3.18	7.04	30.86	High
R028	7	4	6	70%	90	10%	0	bank at ws		7.09	2.20	3.55	8.00	9.02	29.86	High
R029	6	4	4	40%	120	50%	0	bank at ws		5.86	3.09	6.33	9.16	4.29	28.72	Moderate
R030	4	4	3	30%	25	70%	0	bank at ws		1.00	2.69	6.86	2.22	2.73	15.50	Low
R031	4	4	3	20%	30	60%	0	bank at ws		1.00	2.69	7.82	2.49	3.52	17.52	Low
R032	8	4	7	10%	45	60%	0	bank at ws		7.91	2.08	8.64	3.18	3.52	25.33	Moderate
R033	10	4	8	40%	90	40%	0	bank at ws		8.67	2.49	5.73	8.00	5.06	29.96	High
R034	8	5	8	90%	80	40%	-1	bank 1' bws		6.44	0.00	1.00	6.00	5.06	18.50	Low
R035	5	4	4	60%	90	70%	0	bank at ws		4.36	2.49	4.49	8.00	2.73	22.07	Moderate
R036	6	4	4	20%	45	30%	0	bank at ws, bank re-evaluated at better location		5.86	3.09	8.03	3.18	5.94	26.09	Moderate
R037	5	4	4	30%	20	80%	0	bank at ws		4.36	2.49	6.67	1.98	1.98	17.48	Low

Reach 5A BEHI Analysis

Bank No.	Field Measurements						BEHI Adjustment (Material, Stratification)			Bank / Bankfull BEHI	Root Depth BEHI	Root Density BEHI	Bank Angle BEHI	Surface Protect. BEHI	FINAL BEHI VALUE	Final BEHI Name
	Bank Height (ft)	Bankfull Height (ft)	Root Depth (ft)	Root Density (%)	Bank Angle (deg.)	Surface Protection (%)	Bank Toe El. (ft. above WS)	Field Notes	Adjustment Value							
R038	7	4.5	6.5	60%	110	60%	-0.5	bank 0.5' bws		6.18	1.62	3.89	8.78	3.52	23.99	Moderate
R039	7	4	4	30%	70	30%	0	bank at ws		7.09	3.53	7.55	4.76	5.94	28.86	Moderate
R040	12	9	3	20%	90	30%	0	bank 5' below WS		4.91	6.59	9.22	8.00	5.94	34.67	High
R041	6	4	5	70%	100	70%	0	bank at ws		5.86	2.33	3.68	8.53	2.73	23.13	Moderate
R042	5	4	4	25%	20	50%	0	bank at ws		4.36	2.49	7.18	1.98	4.29	20.30	Moderate
R043	5	4	3	20%	50	40%	0	bank at ws		4.36	3.37	8.20	3.40	5.06	24.39	Moderate
R044	4	4	3	30%	60	60%	0	bank at ws		1.00	2.69	6.86	4.00	3.52	18.07	Low
R045	11	7	1	10%	80	20%	-3	bank 3' bws		6.28	8.65	9.86	6.00	7.04	37.83	High
R046	7	4	7	80%	90	80%	0	bank at ws		7.09	0.00	1.86	8.00	1.98	18.93	Low
R047	7	4	4	40%	90	30%	0	bank at ws		7.09	3.53	6.82	8.00	5.94	31.38	High
R048	5	4	4	30%	30	70%	0	bank at ws		4.36	2.49	6.67	2.49	2.73	18.74	Low
R049	11	8	1	10%	80	20%	-4	bank 4' bws		5.16	8.65	9.86	6.00	7.04	36.71	High
R050	6	4	4	30%	70	40%	0	bank at ws		5.86	3.09	7.18	4.76	5.06	25.95	Moderate
R051	5	4	4	30%	20	60%	0	bank at ws		4.36	2.49	6.67	1.98	3.52	19.02	Low
R052	9	6	1	10%	80	40%	-2	bank 2' bws		5.86	8.44	9.83	6.00	5.06	35.19	High
R053	8	6	7	80%	90	80%	-2	bank 2' bws		4.91	2.08	2.73	8.00	1.98	19.71	Moderate
R054	6	4	5	40%	50	70%	0	bank at ws		5.86	2.33	5.62	3.40	2.73	19.94	Moderate
R055	7	4	3	30%	90	40%	0	bank at ws		7.09	4.57	8.09	8.00	5.06	32.82	High
R056	5	4	3	20%	30	70%	0	bank at ws		4.36	3.37	8.20	2.49	2.73	21.15	Moderate
R057	6	4	5	30%	30	80%	0	bank at ws		5.86	2.33	6.54	2.49	1.98	19.20	Low
R058	7	5.5	4	50%	80	60%	-1.5	bank 1.5' bws		4.52	3.53	6.08	6.00	3.52	23.66	Moderate
R059	8	6	3	10%	110	20%	-2	bank 2' bws		4.91	5.09	9.42	8.78	7.04	35.24	High
R060	9	7	6	30%	110	50%	-3	bank 3' bws		4.62	3.09	7.18	8.78	4.29	27.96	Moderate
R061	8	7	1	10%	80	20%	-3	bank 3' bws		2.86	8.28	9.81	6.00	7.04	33.99	High
R062	5	4	1	10%	90	40%	0	bank at ws		4.36	7.32	9.69	8.00	5.06	34.43	High
R063	5	4	4	40%	35	80%	0	bank at ws, -5 for cobbles	-5	4.36	2.49	5.73	2.71	1.98	12.27	Low
R064	4	4	4	80%	90	80%	0	bank at ws		1.00	0.00	1.86	8.00	1.98	12.84	Low
R065	4	4	2.5	70%	90	80%	0	bank at ws		1.00	3.27	4.79	8.00	1.98	19.05	Low
R066	9	8	9	90%	80	90%	-4	bank 4' bws		2.50	0.00	1.00	6.00	0.98	10.48	Low
R067	6	4	2	30%	90	20%	0	bank at ws		5.86	5.56	8.45	8.00	7.04	34.91	High
R068	4	4	3	30%	20	60%	0	bank at ws		1.00	2.69	6.86	1.98	3.52	16.05	Low
R069	8	6	1	10%	90	20%	-2	bank 2' bws		4.91	8.28	9.81	8.00	7.04	38.05	High
R070	5	4	4	30%	40	70%	0	bank at ws		4.36	2.49	6.67	2.93	2.73	19.18	Low
R071	4	4	1	30%	90	70%	0	bank at ws		1.00	6.59	8.84	8.00	2.73	27.16	Moderate
R072	6	4	2	20%	45	30%	0	bank at ws		5.86	5.56	8.97	3.18	5.94	29.50	High
R073	7	4	4	20%	90	30%	0	bank at ws		7.09	3.53	8.27	8.00	5.94	32.83	High
R074	6	4	5	30%	30	80%	0	bank at ws		5.86	2.33	6.54	2.49	1.98	19.20	Low
R075	4	4	3	30%	20	90%	0	bank at ws		1.00	2.69	6.86	1.98	0.98	13.51	Low
R076	10	8	5	40%	90	30%	-4	bank 4' bws		4.36	3.95	7.18	8.00	5.94	29.43	Moderate
R077	5	4	1	10%	60	40%	0	bank at ws		4.36	7.32	9.69	4.00	5.06	30.43	High
R078	4	4	3	30%	35	70%	0	bank at ws, +5 for sand	5	1.00	2.69	6.86	2.71	2.73	20.99	Moderate
R079	7	4	5	40%	80	40%	0	bank at ws		7.09	2.85	6.08	6.00	5.06	27.09	Moderate
R080	5	4	4	35%	45	70%	0	bank at ws		4.36	2.49	6.16	3.18	2.73	18.91	Low
R081	6	4	1	10%	80	15%	0	bank at ws		5.86	7.77	9.74	6.00	7.79	37.17	High
R082	4	4	1	10%	20	80%	0	bank at ws		1.00	6.59	9.61	1.98	1.98	21.16	Moderate
R083	9	4	6	30%	30	70%	0	bank at ws, -5 cobble	-5	8.37	3.09	7.18	2.49	2.73	18.86	Low
R084	7	6	3	20%	120	20%	-2	bank 2' bws		3.33	4.57	8.67	9.16	7.04	32.77	High
R085	5	4	3	30%	30	50%	0	bank at ws		4.36	3.37	7.44	2.49	4.29	21.95	Moderate
R086	4	4	2.5	50%	90	60%	0	bank at ws		1.00	3.27	5.79	8.00	3.52	21.59	Moderate
R087	4	4	3	40%	90	40%	0	bank at ws		1.00	2.69	5.90	8.00	5.06	22.65	Moderate
R088	5	4	4	30%	20	70%	0	bank at ws		4.36	2.49	6.67	1.98	2.73	18.23	Low
R089	8	4	5	40%	90	40%	0	bank at ws		7.91	3.27	6.54	8.00	5.06	30.78	High
R090	6	4	4	50%	90	60%	0	bank at ws		5.86	3.09	5.62	8.00	3.52	26.09	Moderate
R091	5	4	3	30%	80	50%	0	bank at ws		4.36	3.37	7.44	6.00	4.29	25.46	Moderate
R092	7	4	5	50%	110	50%	0	bank at ws		7.09	2.85	5.42	8.78	4.29	28.44	Moderate
R093	4	4	2	30%	45	50%	0	bank at ws		1.00	3.95	7.82	3.18	4.29	20.23	Moderate
R094	7	4	5	40%	90	40%	1	bank begins 1' aws		7.09	2.85	6.08	8.00	5.06	29.09	Moderate

Reach 5A BEHI Analysis

Bank No.	Field Measurements						Bank Toe El. (ft. above WS)	BEHI Adjustment (Material, Stratification)		Bank / Bankfull BEHI	Root Depth BEHI	Root Density BEHI	Bank Angle BEHI	Surface Protec. BEHI	FINAL BEHI VALUE	Final BEHI Name
	Bank Height (ft)	Bankfull Height (ft)	Root Depth (ft)	Root Density (%)	Bank Angle (deg.)	Surface Protection (%)		Field Notes	Adjustment Value							
R095	6	4	4	50%	90	80%	0	bank at ws		5.86	3.09	5.62	8.00	1.98	24.55	Moderate
R096	5	4	4	30%	50	60%	0	bank at ws		4.36	3.37	7.44	3.40	3.52	22.09	Moderate
R097	4	4	4	50%	110	40%	0	bank at ws		1.00	2.69	5.27	8.78	5.06	22.80	Moderate
R098	6	4	2	10%	45	10%	0	bank at ws		5.86	5.56	9.48	3.18	9.02	33.10	High
R099	4	4	0.5	30%	90	80%	0	bank at ws		1.00	8.28	9.42	8.00	1.98	28.68	Moderate
R100	8	4	5	40%	90	30%	0	bank at ws		7.91	3.27	6.54	8.00	5.94	31.66	High
R101	4	4	3	30%	45	60%	0	bank at ws, +5 for sand	5	1.00	2.69	6.86	3.18	3.52	22.25	Moderate
R102	5	4	4	20%	90	40%	0	bank at ws		4.36	2.49	7.69	8.00	5.06	27.60	Moderate
R103	12	4	7	20%	90	20%	0	bank at ws, +5 for sandy cobble, stratification	5	9.35	3.46	8.24	8.00	7.04	41.09	Very High
R104	5	4	3	30%	45	50%	0	bank at ws		4.36	3.37	7.44	3.18	4.29	22.64	Moderate
R105	4	4	4	30%	30	80%	0	bank at ws		1.00	0.00	5.90	2.49	1.98	11.37	Low
R106	8	4	4	20%	60	40%	0	bank at ws		7.91	3.95	8.45	4.00	5.06	29.36	Moderate
R107	10	4	9	60%	90	40%	0	bank at ws		8.67	1.91	4.03	8.00	5.06	27.68	Moderate
R108	4	4	3	30%	25	80%	0	bank at ws		1.00	2.69	6.86	2.22	1.98	14.75	Low
R109	8	4	5	30%	80	20%	0	bank at ws		7.91	3.27	7.34	6.00	7.04	31.56	High
R110	8	4	5	30%	80	40%	0	bank at ws		7.91	3.27	7.34	6.00	5.06	29.58	High
R111	4	4	1	30%	20	30%	0	bank at ws		1.00	6.59	8.84	1.98	5.94	24.34	Moderate
R112	7	4	7	40%	50	30%	0	bank at ws		7.09	0.00	5.06	3.40	5.94	21.49	Moderate
R113	5	4	4	30%	25	50%	0	bank at ws		4.36	2.49	6.67	2.22	4.29	20.03	Moderate
R114	8	4	5	30%	45	50%	0	bank at ws		7.91	3.27	7.34	3.18	4.29	25.99	Moderate
R115	6.5	5.5	4	30%	30	70%	-1.5	bank at 1.5' bws		3.64	3.31	7.38	2.49	2.73	19.54	Moderate
R116	6	4	5	30%	50	40%	0	bank at ws		5.86	2.33	6.54	3.40	5.06	23.19	Moderate
R117	8	4	5	10%	90	30%	0	bank at ws		7.91	3.27	9.03	8.00	5.94	34.15	High
R118	6	4	5	20%	45	40%	0	bank at ws		5.86	2.33	7.61	3.18	5.06	24.03	Moderate
R119	5	5	4	20%	45	60%	0	bank at ws		1.00	2.49	7.69	3.18	3.52	17.88	Low
R120	15	4	1	10%	80	20%	0	bank at ws		10.00	8.86	9.90	6.00	7.04	41.80	Very High
R121	6	4	3	30%	80	60%	0	bank at ws		5.86	3.95	7.82	6.00	3.52	27.14	Moderate
R122	5	4	4	30%	30	80%	0	bank at ws		4.36	2.49	6.67	2.49	1.98	17.99	Low
R123	7	4	7	60%	80	40%	1	bank toes ~1' aw		7.09	0.00	3.55	6.00	5.06	21.71	Moderate
R124	4	4	4	30%	20	80%	0	bank at ws		1.00	0.00	5.90	1.98	1.98	10.85	Low
R125	8	4	4	25%	90	30%	0	bank at ws		7.91	3.95	8.13	8.00	5.94	33.92	High
R126	5	4	4	30%	30	60%	0	bank at ws		4.36	2.49	6.67	2.49	3.52	19.53	Moderate
R127	6	4	3	30%	90	30%	0	bank at ws		5.86	3.95	7.82	8.00	5.94	31.56	High
R128	4	4	3	30%	20	80%	0	bank at ws		1.00	2.69	6.86	1.98	1.98	14.51	Low
R129	6	4	1	10%	50	50%	0	bank at ws		5.86	7.77	9.74	3.40	4.29	31.07	High

Housatonic Reach 5A
NBS Calculations, Method 2

Station	NBS Bank Number	RADIUS	BKF Width	Ratio R/BKF	Rating
4+00	R-02	102	83	1.23	Extreme
7+50	L-04	69	82	0.84	Extreme
13+00	R-04	114	92	1.24	Extreme
15+50	L-08	142	93	1.52	Very High
25+00	R-06	144	70	2.06	Moderate
37+00	R-08	213	65	3.28	Very Low
39+50	L-15A	154	94	1.64	Very High
54+50	L-16	148	81	1.82	High
79+50	R-18A	164	69	2.37	Low
82+00	R-18B	174	86	2.02	Moderate
85+50	L-18	129	70	1.84	High
90+50	R-20, R-21	144	83	1.73	Very High
97+50	R-23B	104	85	1.22	Extreme
106+00	L-25B	112	96	1.17	Extreme
108+00	L-25B	151	120	1.26	Extreme
137+50	R-33	97	98	0.99	Extreme
143+50	R-35	107	87	1.23	Extreme
148+00	L-29A	131	108	1.21	Extreme
149+50	R-38	98	71	1.38	Extreme
158+00	L-30	141	93	1.52	Very High
173+00	L-32	121	94	1.29	Extreme
183+00	L-33B	198	111	1.79	Very High
187+00	R-39	115	82	1.40	Extreme
206+50	L-38	109	83	1.32	Extreme
218+00	R-43	268	78	3.44	Very Low
223+00	R-45	143	77	1.86	High
225+00	L-39B	206	88	2.35	Low
236+00	R-47	120	87	1.38	Extreme
239+00	L-39D	138	80	1.73	Very High

Converting Values to a Near-Bank Stress (NBS) Rating							
Near-Bank Stress (NBS) Ratings	Method Number						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Very Low	N / A	> 3.00	< 0.20	< 0.40	< 1.00	< 0.80	< 0.50
Low	N / A	2.21 – 3.00	0.20 – 0.40	0.41 – 0.60	1.00 – 1.50	0.80 – 1.05	0.50 – 1.00
Moderate	N / A	2.01 – 2.20	0.41 – 0.60	0.61 – 0.80	1.51 – 1.80	1.06 – 1.14	1.01 – 1.60
High	See	1.81 – 2.00	0.61 – 0.80	0.81 – 1.00	1.81 – 2.50	1.15 – 1.19	1.61 – 2.00
Very High	(1)	1.50 – 1.80	0.81 – 1.00	1.01 – 1.20	2.51 – 3.00	1.20 – 1.60	2.01 – 2.40
Extreme	Above	< 1.50	> 1.00	> 1.20	> 3.00	> 1.60	> 2.40
Overall Near-Bank Stress (NBS) Rating							

Housatonic Reach 5A

NBS Calculations

Method 5

Station	BEHI Bank Number	NBS Bank ID	BKF Elevation	Max Nearbank Elevation	Nearbank Depth	BKF Mean Depth (DBKF)	Ratio BKF Mean Depth	Rating	Comment
200	L003	L-02	963.1	952.3	10.8	6.82	1.58	Moderate	
200	R002	R-01						Low	Opposite bank to L003
250	L004	L-03	962.8	952.3	10.5	6.76	1.55	Moderate	
250	R003	R-01						Low	Opposite bank of L004
620	L007	L-03						Low	Opposite bank of R005
620	R005	R-03	962.19	954.91	7.28	5.12	1.42	Low	
900	L011	L-05	962.65	954.1	8.55	5.88	1.45	Low	
900	R008	R-03						Low	Opposite of bank L011
1100	L012	L-06	962.77	953.64	9.13	4.66	1.96	High	
1100	R009	R-03						Low	Opposite of bank L012
1590	L017	L-09	961.84	953.47	8.37	5.67	1.48	Low	
1590	R013	R-05						Low	Opposite of bank L017
1635	L018	L-09	962	952.41	9.59	6.62	1.45	Low	
1635	R013	R-05						Low	Opposite of bank L018
1980	L019	L-09						Low	Opposite of bank R015
1980	R015	R-05	961.89	954.7	7.19	6.08	1.18	Low	
2750	L024	L-09						Low	Opposite of bank R018
2750	R018	R-07	961.56	952.83	8.73	5.54	1.58	Moderate	
3060	L025	L-11	960.11	952.3	7.81	6.33	1.23	Low	
3060	R020	R-08						Low	Opposite of bank L025
3350	L027	L-12	960.7	951.24	9.46	6.24	1.52	Moderate	
3350	R022	R-08						Low	Opposite of bank L027
3700	L029	L-15						Low	Opposite of bank R024
3700	R024	R-08	959.81	952.2	7.61	5.77	1.32	Low	
3850	L030	L-15						Low	Opposite of bank R024
3850	R024	R-09	960.79	952.67	8.12	4.79	1.70	Moderate	
4150	L033	L-15						Low	Opposite of bank R026
4150	R026	R-11	959.99	950.82	9.17	5.8	1.58	Moderate	
4400	L035	L-15						Low	Opposite of bank R027
4400	R027	R-12	961.62	952.23	9.39	6.75	1.39	Low	
5940	L042	L-17	959.46	952.51	6.95	5.86	1.19	Low	
5940	R032	R-14						Low	Opposite of bank L042
6252	L043	L-17						Low	Opposite of bank R032
6252	R032	R-14	959.1	951.8	7.3	5.48	1.33	Low	
7050	L047	L-17						Low	Opposite of bank R036
7050	R036	R-16	960.45	951.64	8.81	6.62	1.33	Low	
7550	L049	L-17	960.37	952.04	8.33	6.88	1.21	Low	
7550	R037	R-16						Low	Opposite bank to L049
7740	L050	L-17						Low	Opposite of bank R038
7740	R038	R-16	959.24	951.81	7.43	5.58	1.33	Low	
8200	L054	L-17						Low	Opposite of bank R040
8200	R040	R-18B	959.9	948.4	11.5	5.95	1.93	High	

Housatonic Reach 5A

NBS Calculations

Method 5

Station	BEHI Bank Number	NBS Bank ID	BKF Elevation	Max Nearbank Elevation	Nearbank Depth	BKF Mean Depth (DBKF)	Ratio BKF Mean Depth	Rating	Comment
8350	L054	L-17						Low	Opposite of bank R041
8350	R041	R-19	960.33	948.72	11.61	5.78	2.01	High	
8840	L057	L-19	959.37	951.32	8.05	6.52	1.23	Low	
8840	R043	R-20						Low	Opposite of bank L057
10050	L065	L-23						Low	Opposite of bank R051
10050	R051	R-25	958.9	950.12	8.78	6.85	1.28	Low	
10175	L066	L-24	957.43	948.7	8.73	5.27	1.66	Moderate	
10175	R051	R-25						Low	Opposite of bank L066
11100	L071	L-25c						Low	Opposite of bank R059
11100	R059	R-29	957.35	949.77	7.58	4.01	1.89	High	
12000	L075	L-25C						Low	Opposite of bank R066
12000	R066	R-31	956.69	947.74	8.95	5.79	1.55	Moderate	
12250	L078	L-26	956.25	948.63	7.62	4.09	1.86	High	
12250	R068	R-32						Low	Opposite of bank L078
12490	L079	L-27						Low	Opposite of bank R069
12490	R069	R-32	956.18	948.44	7.74	5.32	1.45	Low	
12950	L082	L-27						Low	Opposite of bank R073
12950	R073	R-32	956.86	950.45	6.41	4.68	1.37	Low	
13150	L084	L-27						Low	Opposite of bank R073
13150	R073	R-32	955.88	950.49	5.39	4.47	1.21	Low	
13450	L085	L-28	955.56	947.97	7.59	4.81	1.58	Moderate	
13450	R074	R-32						Low	Opposite of bank L085
13580	L085	L-29A	956.04	948.17	7.87	4.94	1.59	Moderate	
13580	R075	R-32						Low	Opposite of bank L085
13930	L086	L-29A						Low	Opposite of bank R076
13930	R076	R-34	956.69	947.11	9.58	5.69	1.68	Moderate	
14150	L087	L-29A	955.69	947.22	8.47	5.73	1.48	Low	
14150	R078	R-34						Low	Opposite of bank L087
14220	L088	L-29A	956.31	946.46	9.85	6.13	1.61	Moderate	
14220	R078	R-34						Low	Opposite of bank L088
15450	L095	L-29C	955.88	948.04	7.84	6.16	1.27	Low	
15450	R086	R-38						Low	Opposite of bank L095
16400	L101	L-31						Low	Opposite of bank R090
16400	R090	R-38	955.27	948.73	6.54	5.56	1.18	Low	
16820	L102	L-31						Low	Opposite of bank R092
16820	R092	R-38	955.31	947.87	7.44	5.09	1.46	Low	
17050	L102	L-31	955.48	949.42	6.06	4.83	1.25	Low	
17050	R093	R-38						Low	Opposite of bank L102
17650	L105	L-33A	954.07	948.39	5.68	5.06	1.12	Low	
17650	R095	R-38						Low	Opposite of bank L105
17870	L106	L-33A						Low	Opposite of bank R096
17870	R096	R-38	954.61	948.16	6.45	5.18	1.25	Low	

Housatonic Reach 5A

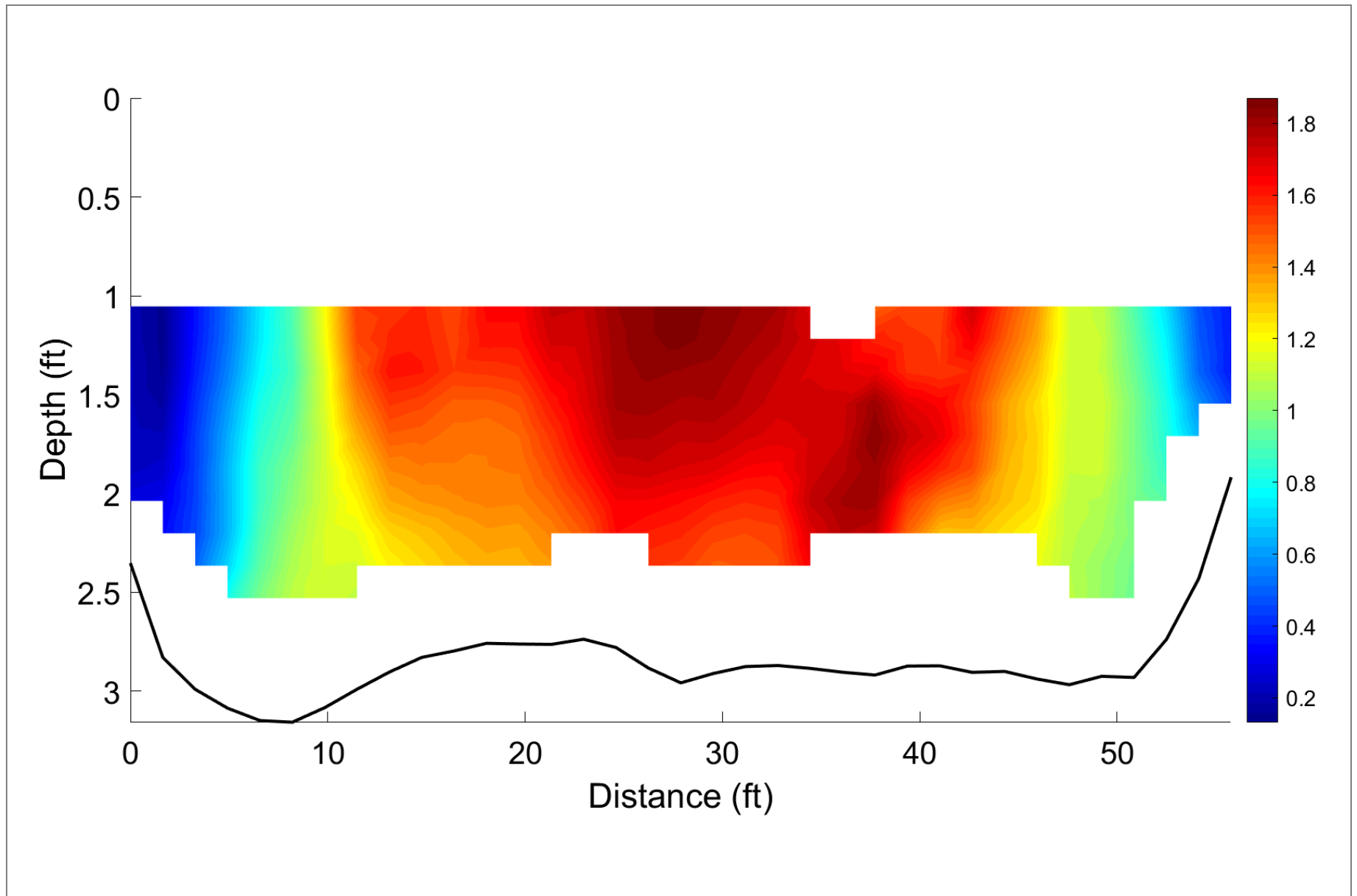
NBS Calculations

Method 5

Station	BEHI Bank Number	NBS Bank ID	BKF Elevation	Max Nearbank Elevation	Nearbank Depth	BKF Mean Depth (DBKF)	Ratio BKF Mean Depth	Rating	Comment
18530	L109	L-33C						Low	Opposite of bank R102
18530	R102	R-38	954.96	941.92	13.04	9.22	1.41	Low	
19050	L111	L-34	954.76	944.32	10.44	6.93	1.51	Moderate	
19050	R104	R-40						Low	Opposite of bank R104
19200	L112	L-35	954.59	947.49	7.1	5.69	1.25	Low	
19200	R105	R-40						Low	Opposite of bank L112
19540	L114	L-35						Low	Opposite of bank R106
19540	R106	R-41	954.57	947.33	7.24	4.68	1.55	Moderate	
19850	L115	L-36	954.79	944.85	9.94	6.07	1.64	Moderate	
19850	R108	R-42						Low	Opposite of bank L115
20240	L117	L-37						Low	Opposite of bank R109
20240	R109	R-42	954.47	946.88	7.59	5.27	1.44	Low	
20950	L120	L-39A	954.55	946.49	8.06	5.48	1.47	Low	
20950	R115	R-42						Low	Opposite of bank L120
21100	L121	L-39A						Low	Opposite of bank R116
21100	R116	R-42	954.73	946.52	8.21	5.8	1.42	Low	
21800	L122	L-39A						Low	Opposite of bank R117
21800	R117	R-43	955.2	944.84	10.36	6.56	1.58	Moderate	
22100	L123	L-39A						Low	Opposite of bank L123
22100	R118	R-44	954.99	948.29	6.7	5.65	1.19	Low	
22250	L124	L-39A						Low	Opposite of bank R119
22250	R119	R-44	953.53	946	7.53	5.07	1.49	Low	

Appendix B

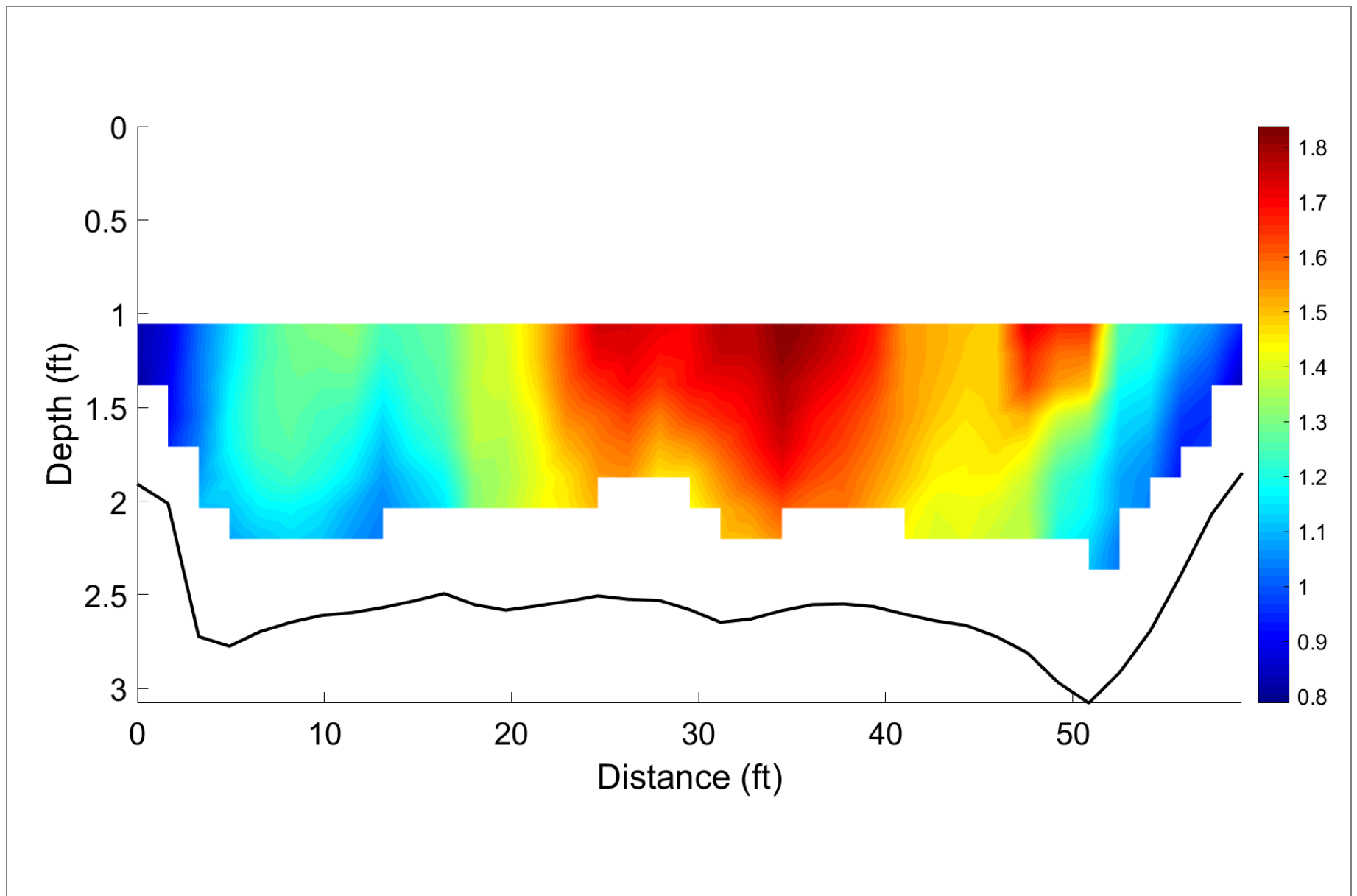
RiverSurveyor Results



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-1.docx



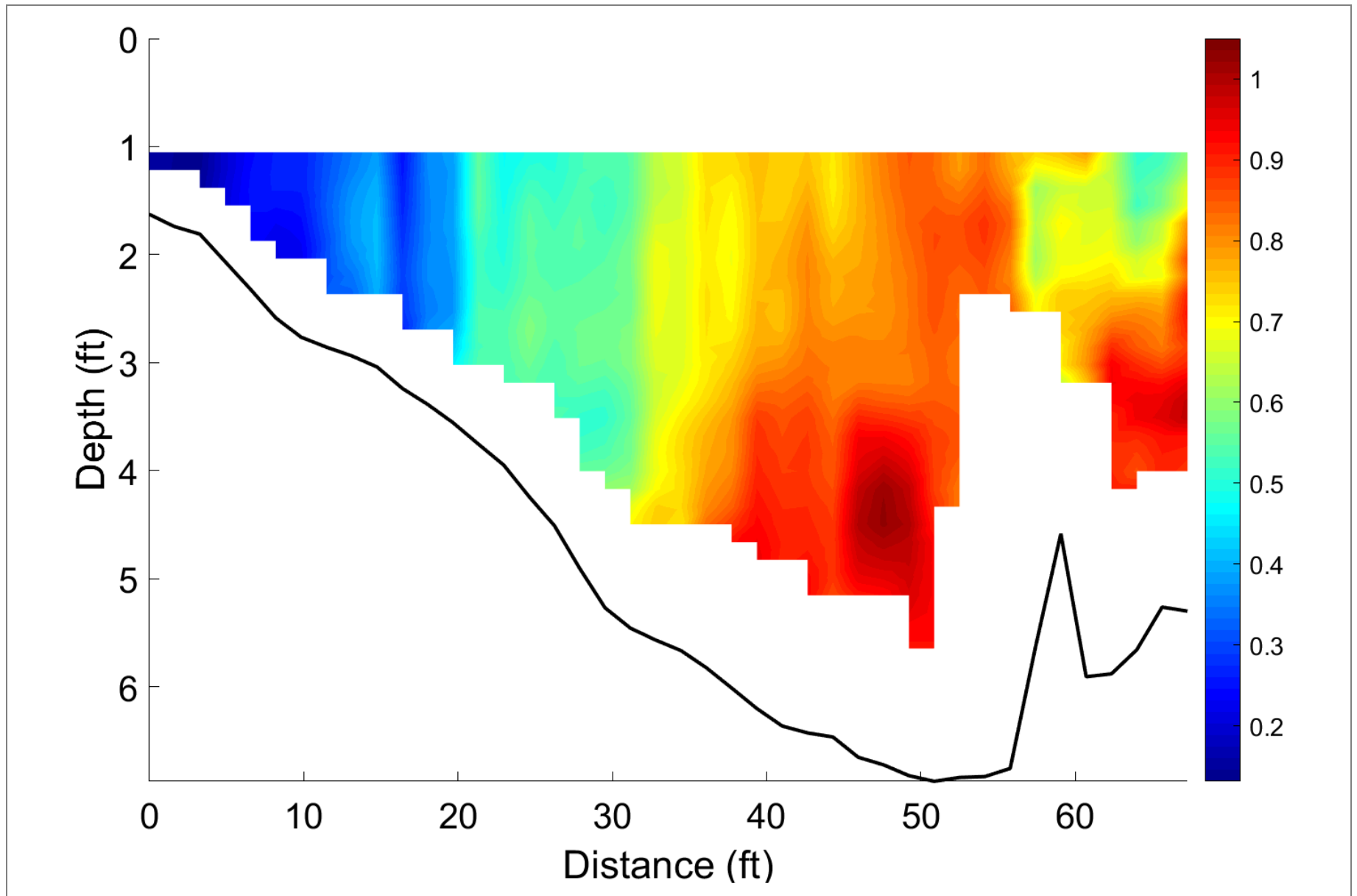
Figure B-1
Site 1 Low Flow Velocity Magnitude Profile
 PDI Summary Report for Reach 5A Sediment and Riverbanks
 Housatonic River – Rest of River



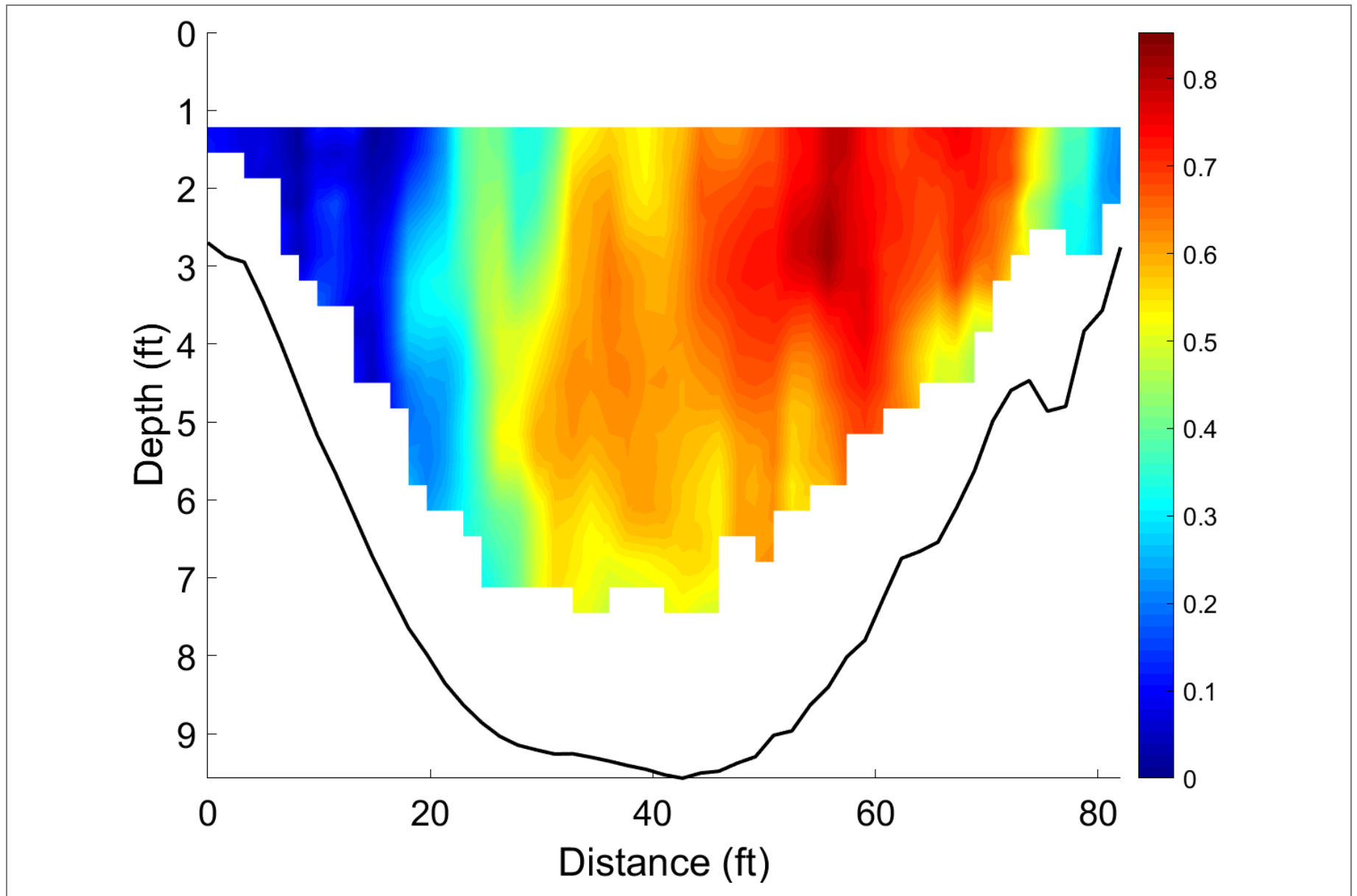
Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-2.docx



Figure B-2
Site 2 Low Flow Velocity Magnitude Profile
 PDI Summary Report for Reach 5A Sediment and Riverbanks
 Housatonic River – Rest of River



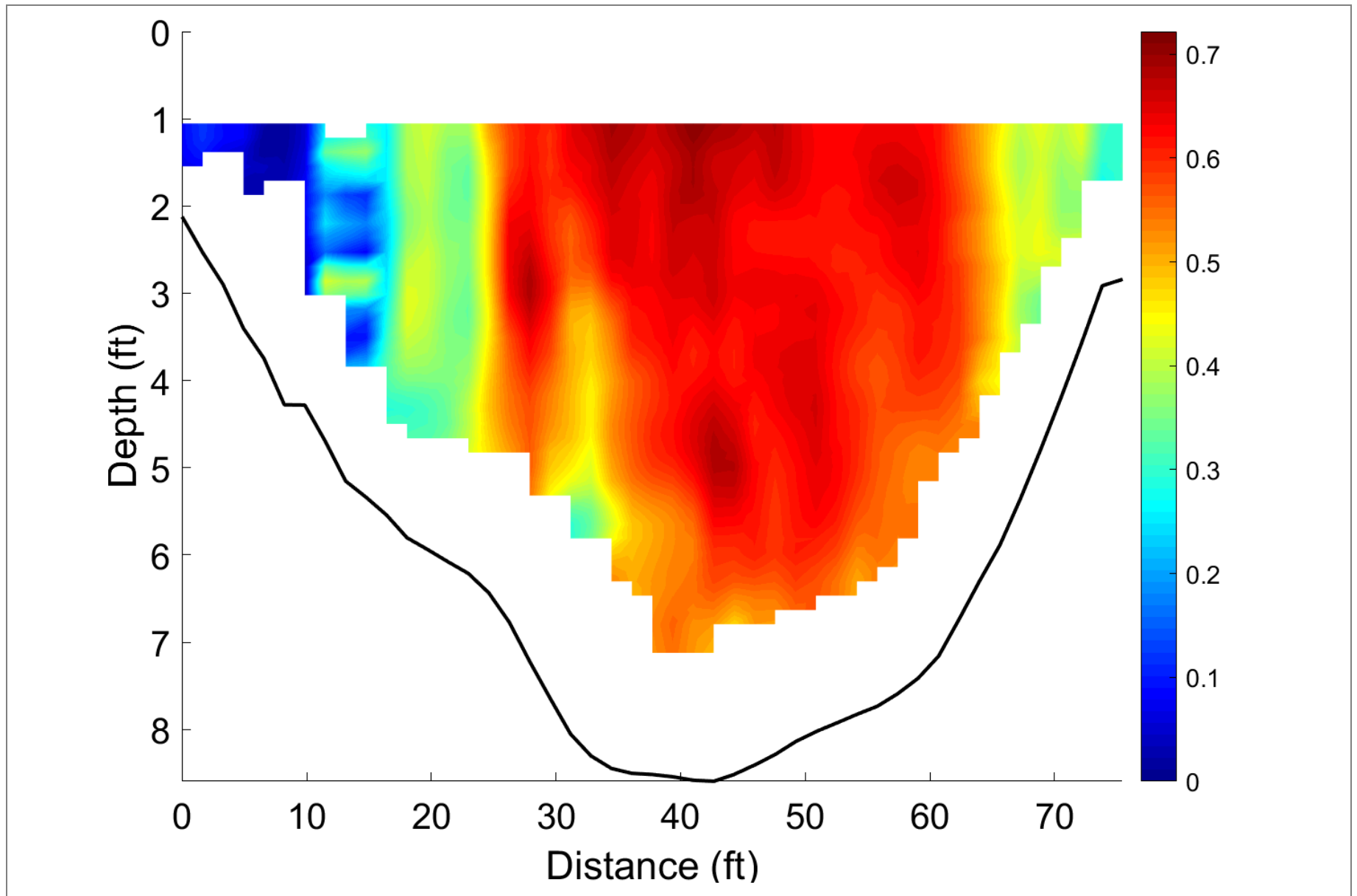
Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-3.docx



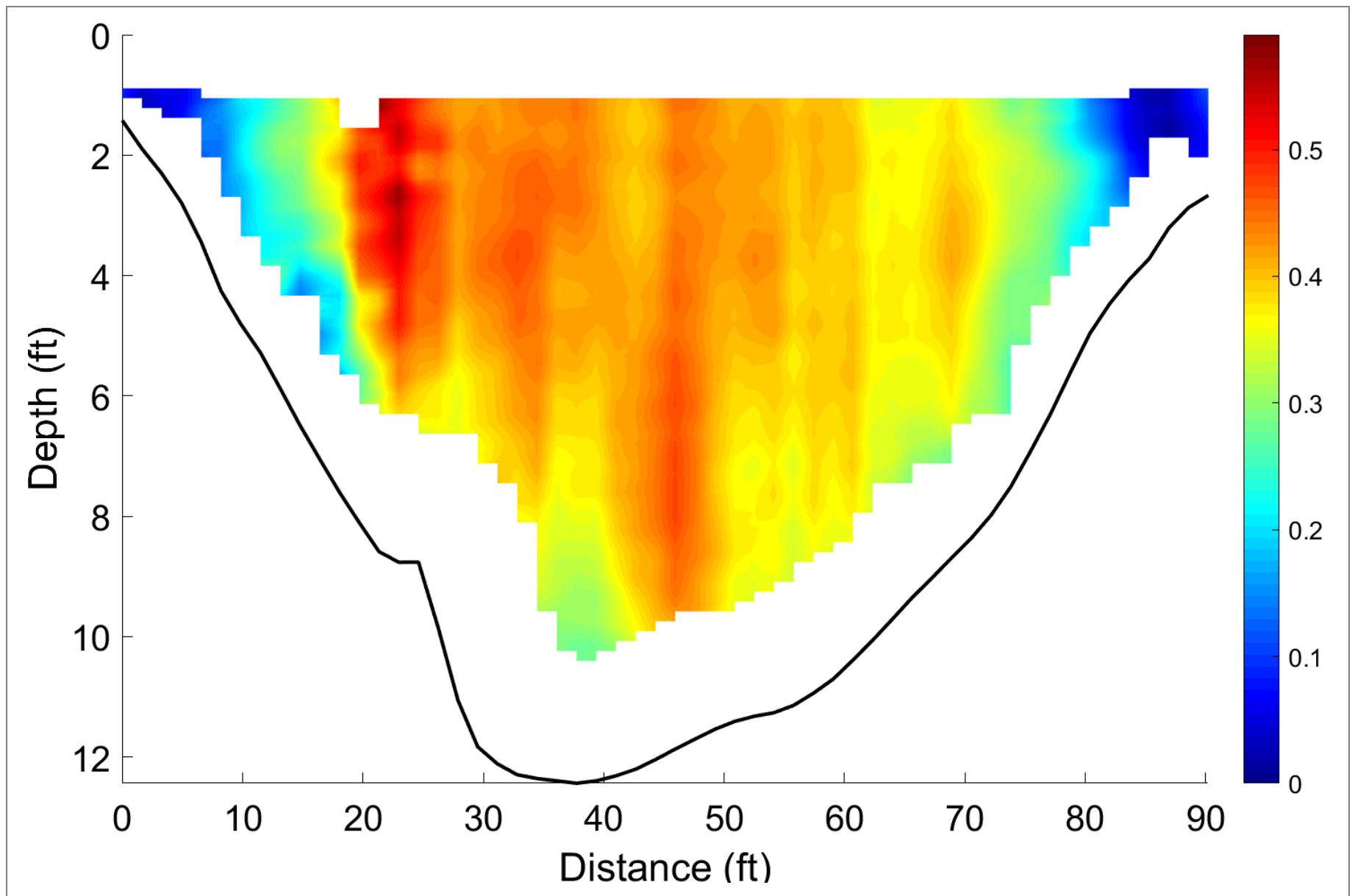
Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-4.docx



Figure B-4
Site 4 Low Flow Velocity Magnitude Profile
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



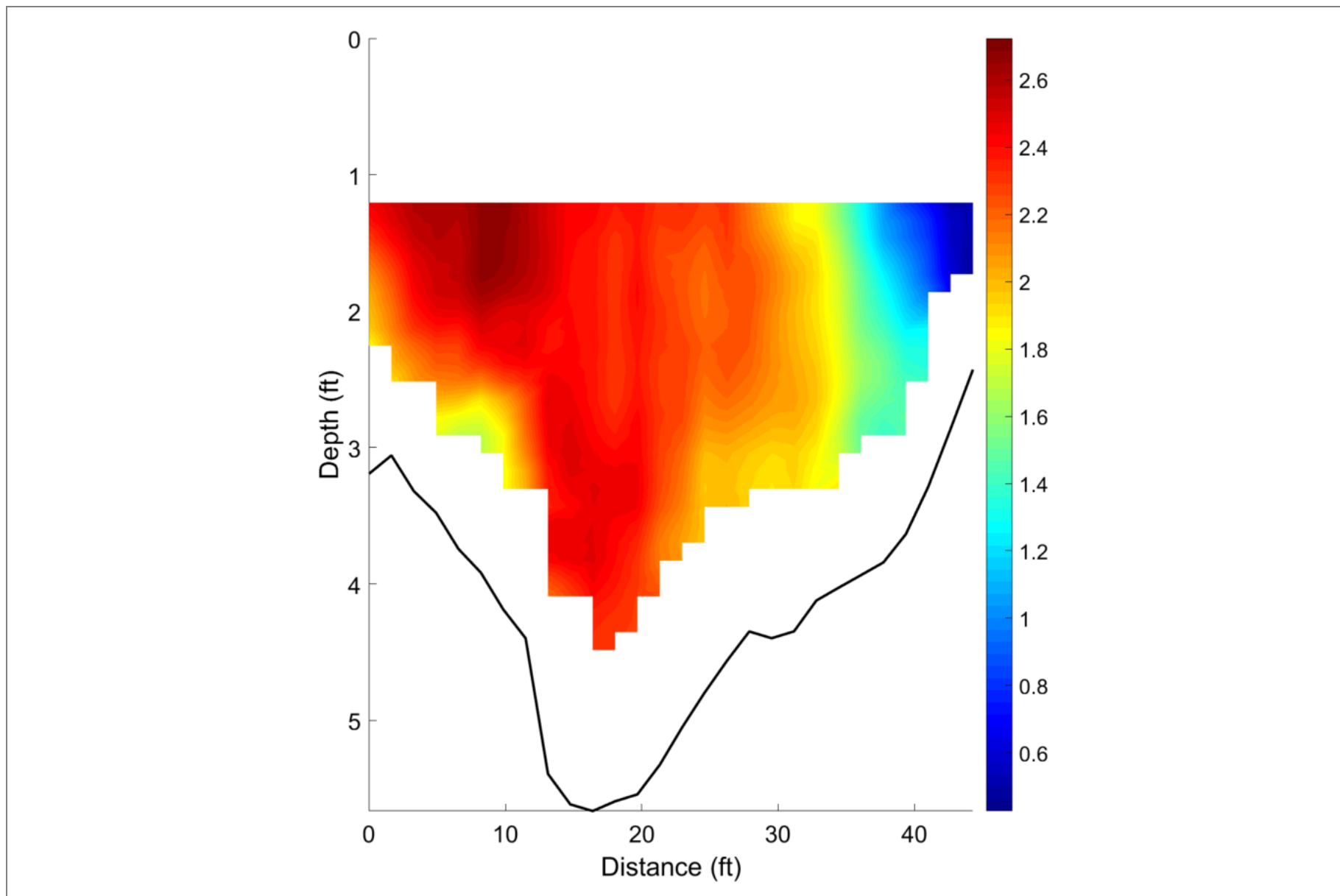
Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-5.docx



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-6.docx



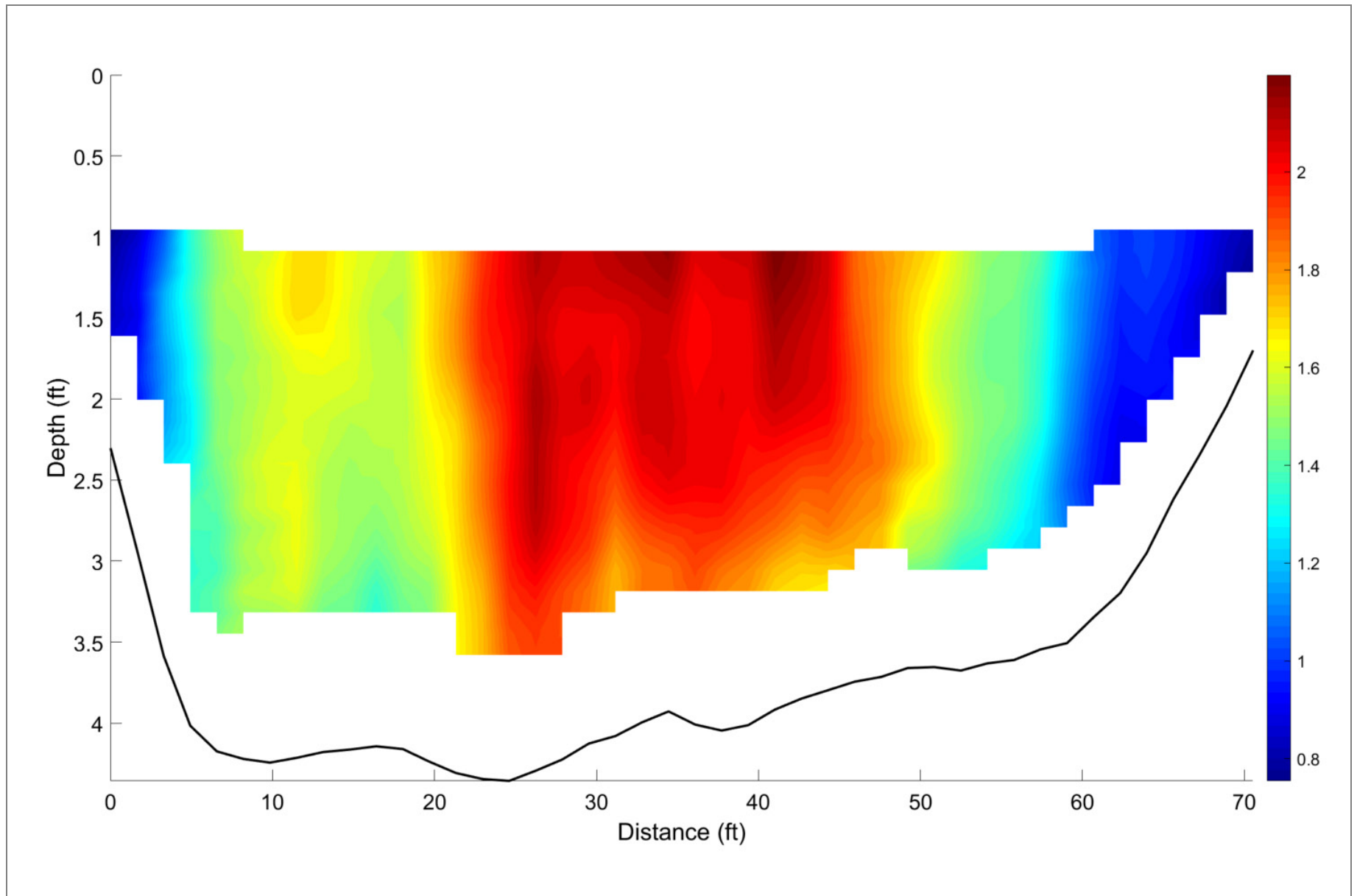
Figure B-6
Site 6 Low Flow Velocity Magnitude Profile
 PDI Summary Report for Reach 5A Sediment and Riverbanks
 Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-7.docx



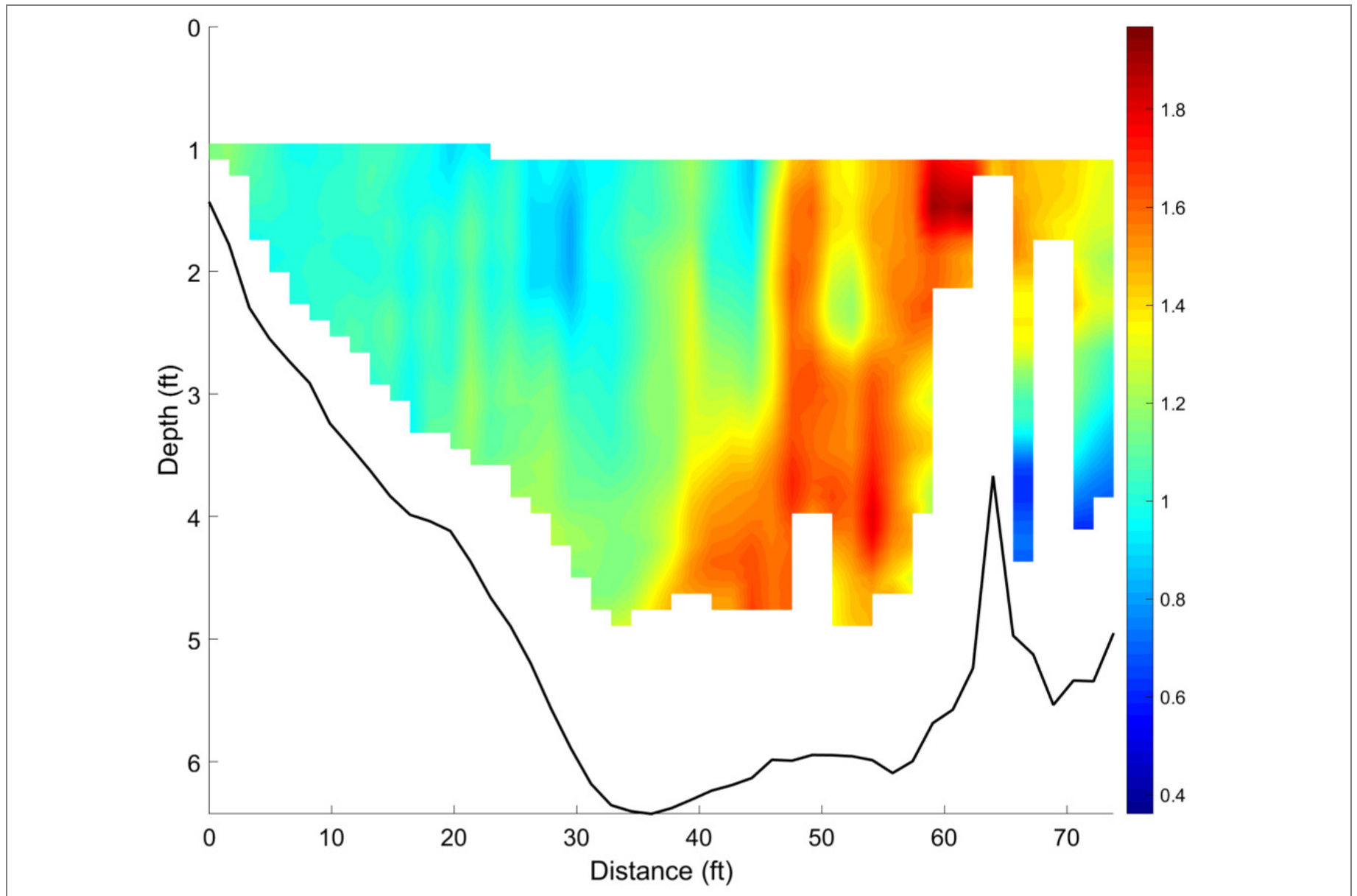
Figure B-7
Site 1 Moderate Flow Velocity Magnitude Profile
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-8.docx



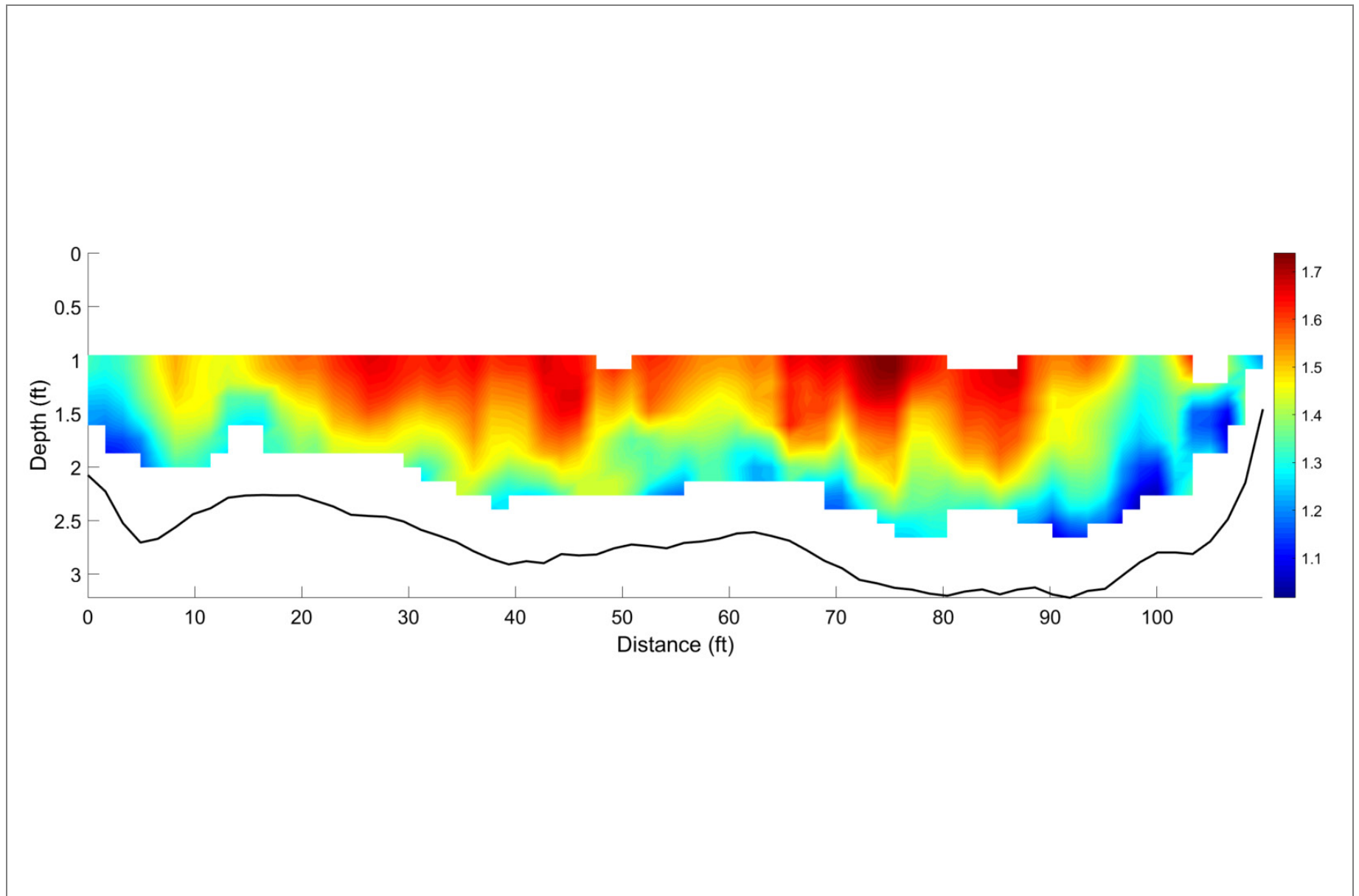
Figure B-8
Site 2 Moderate Flow Velocity Magnitude Profile
 PDI Summary Report for Reach 5A Sediment and Riverbanks
 Housatonic River – Rest of River



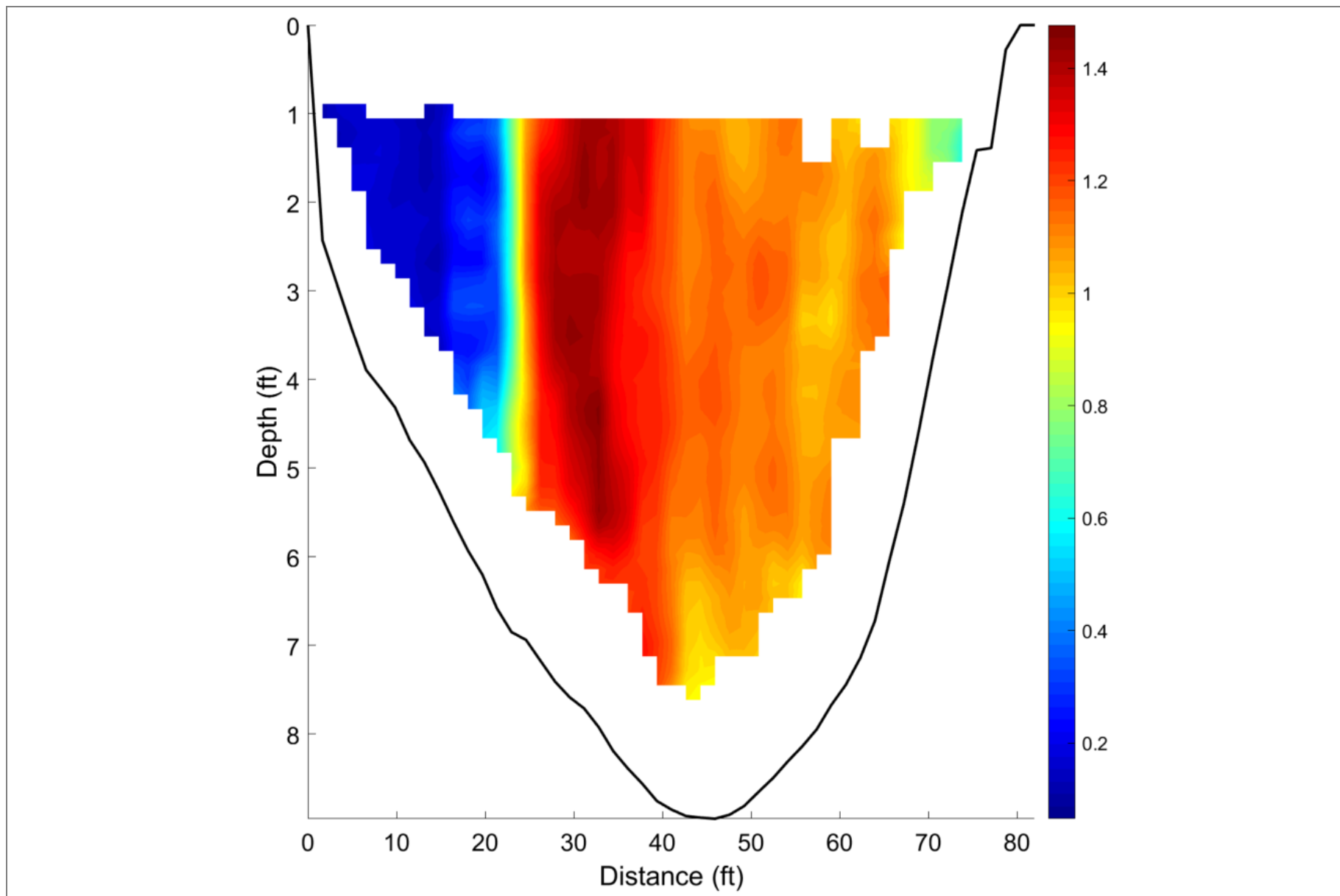
Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-9.docx



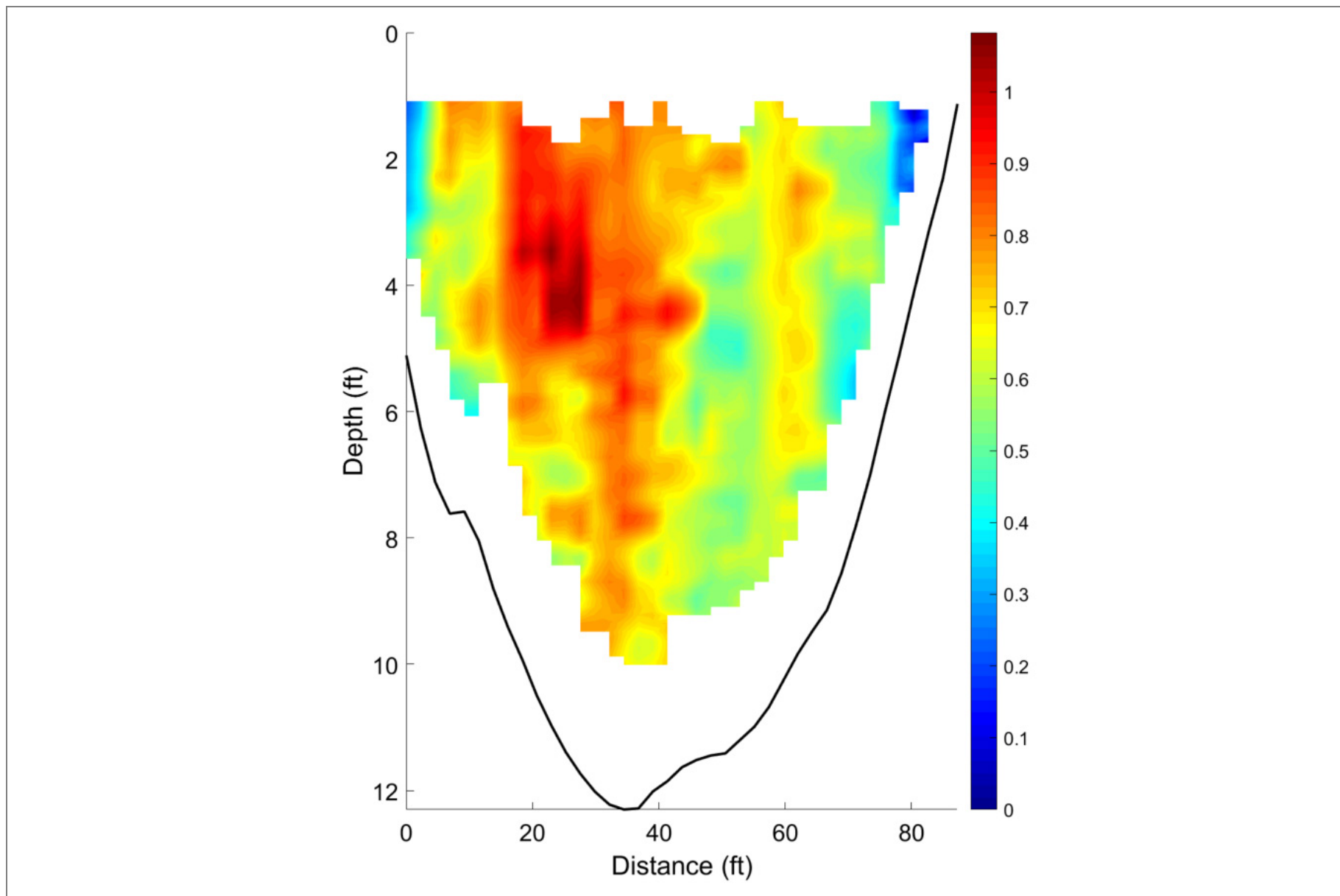
Figure B-9
Site 3 Moderate Flow Velocity Magnitude Profile
PDI Summary Report for Reach 5A Sediment and Riverbanks
Housatonic River – Rest of River



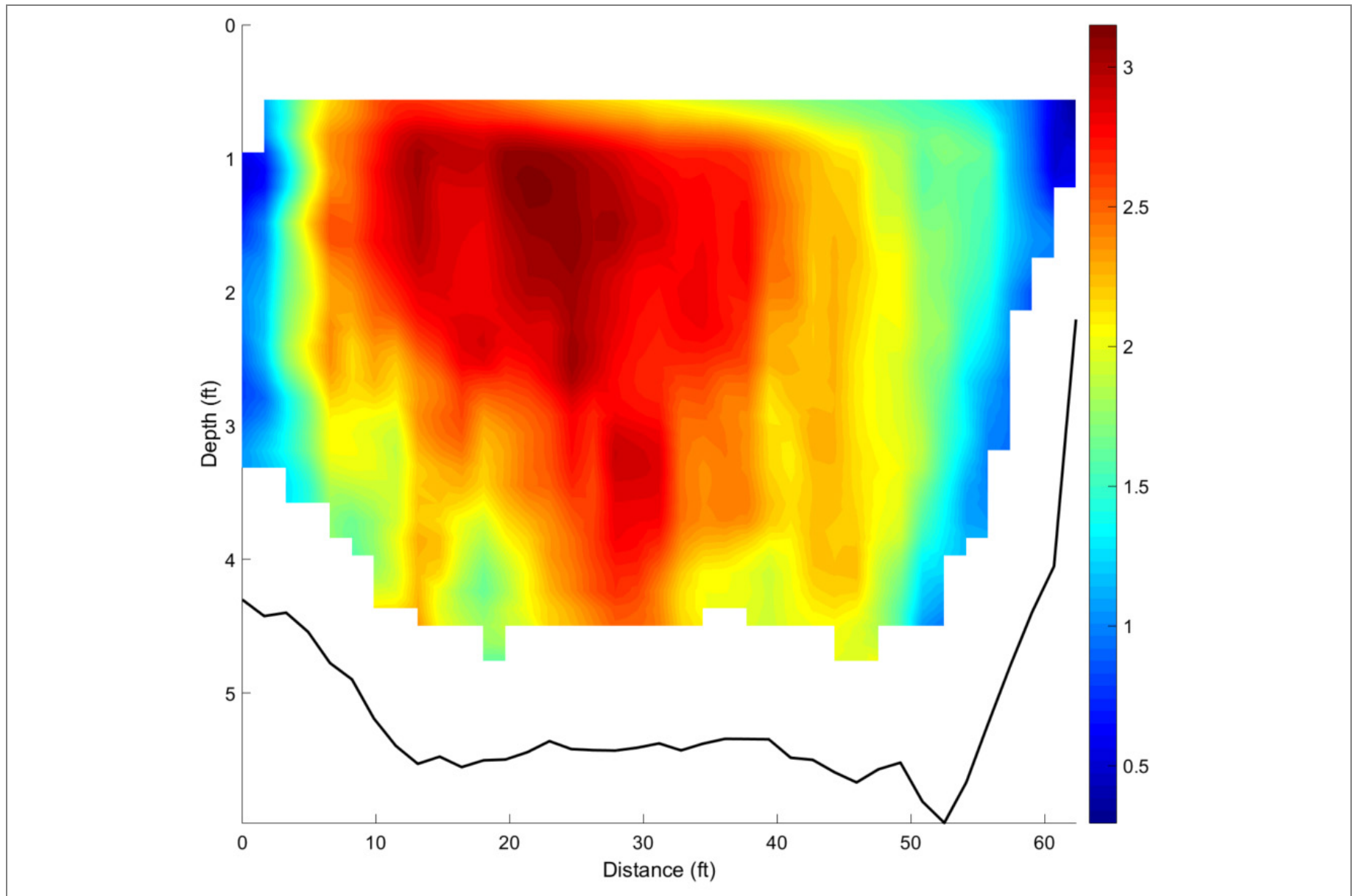
Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-10.docx



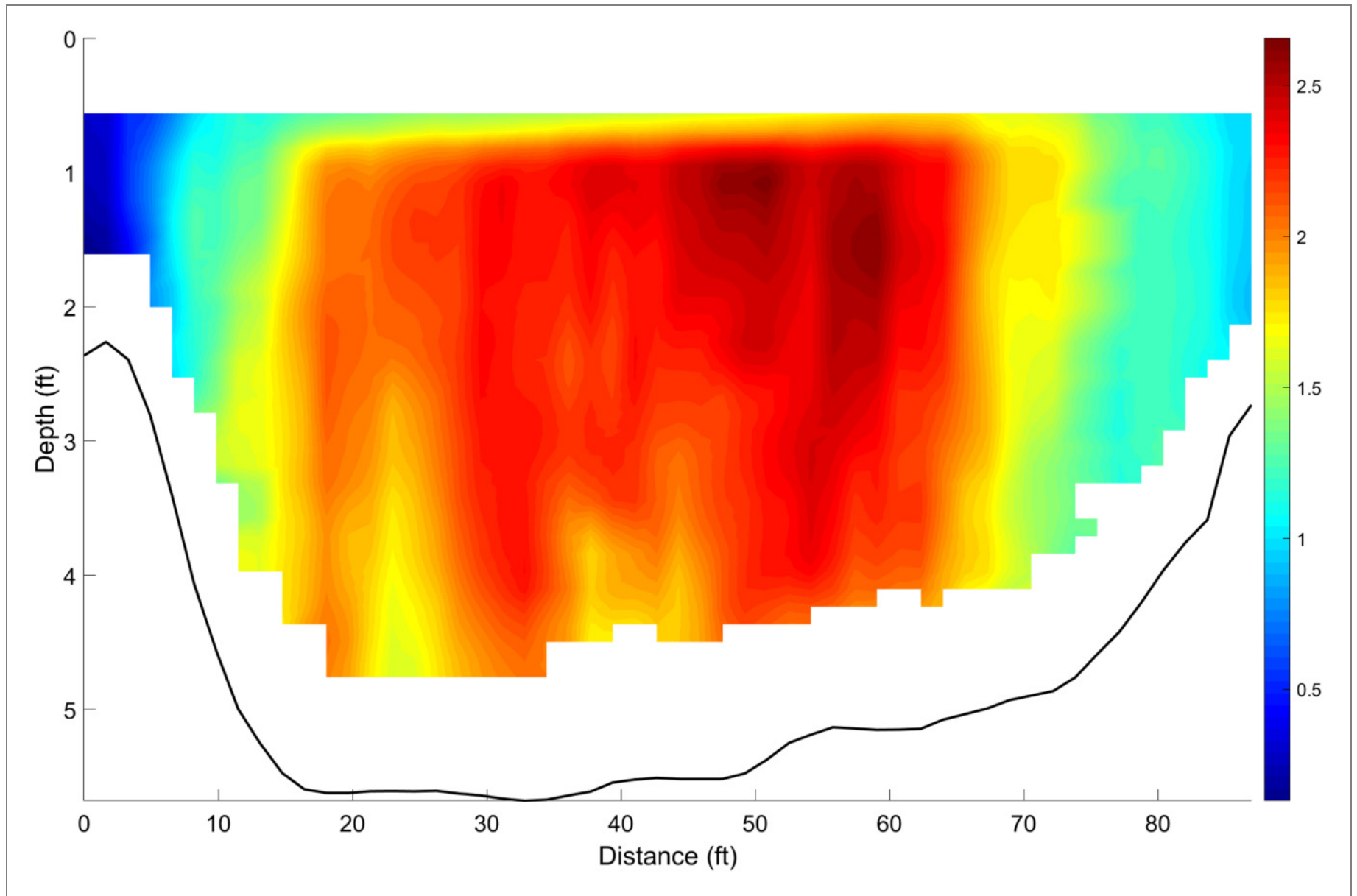
Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-11.docx



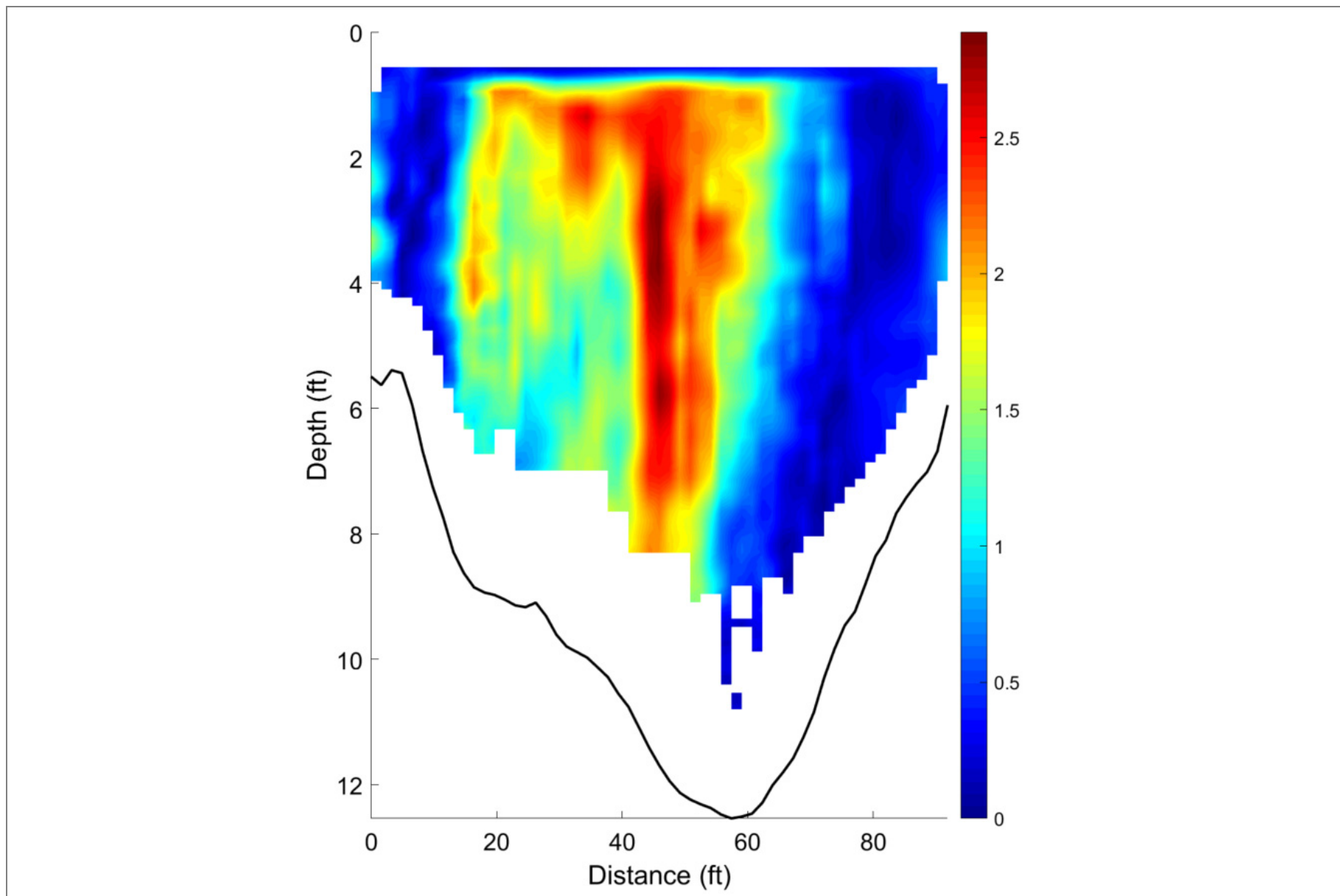
Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-12.docx



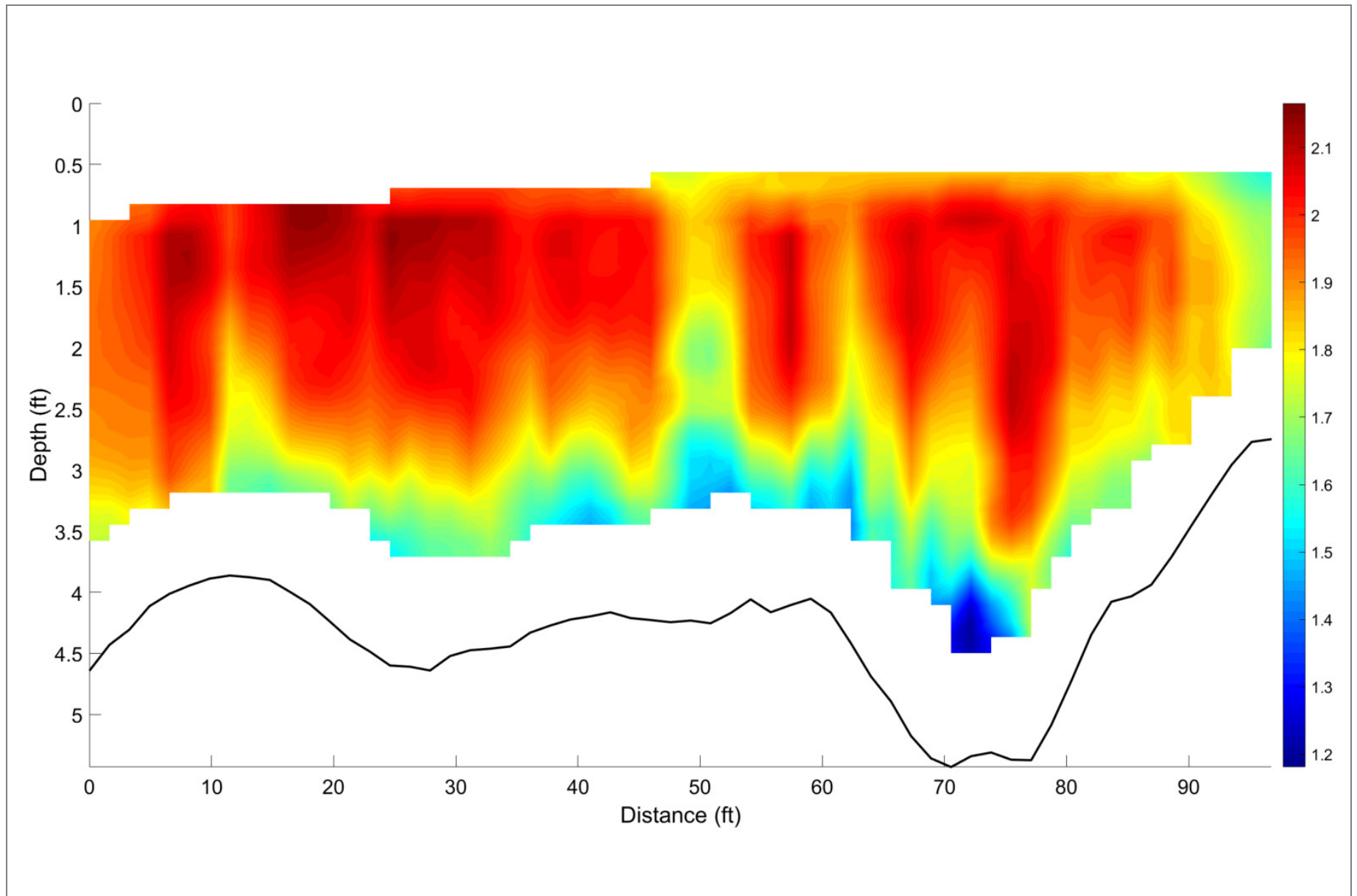
Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-13.docx



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-14.docx



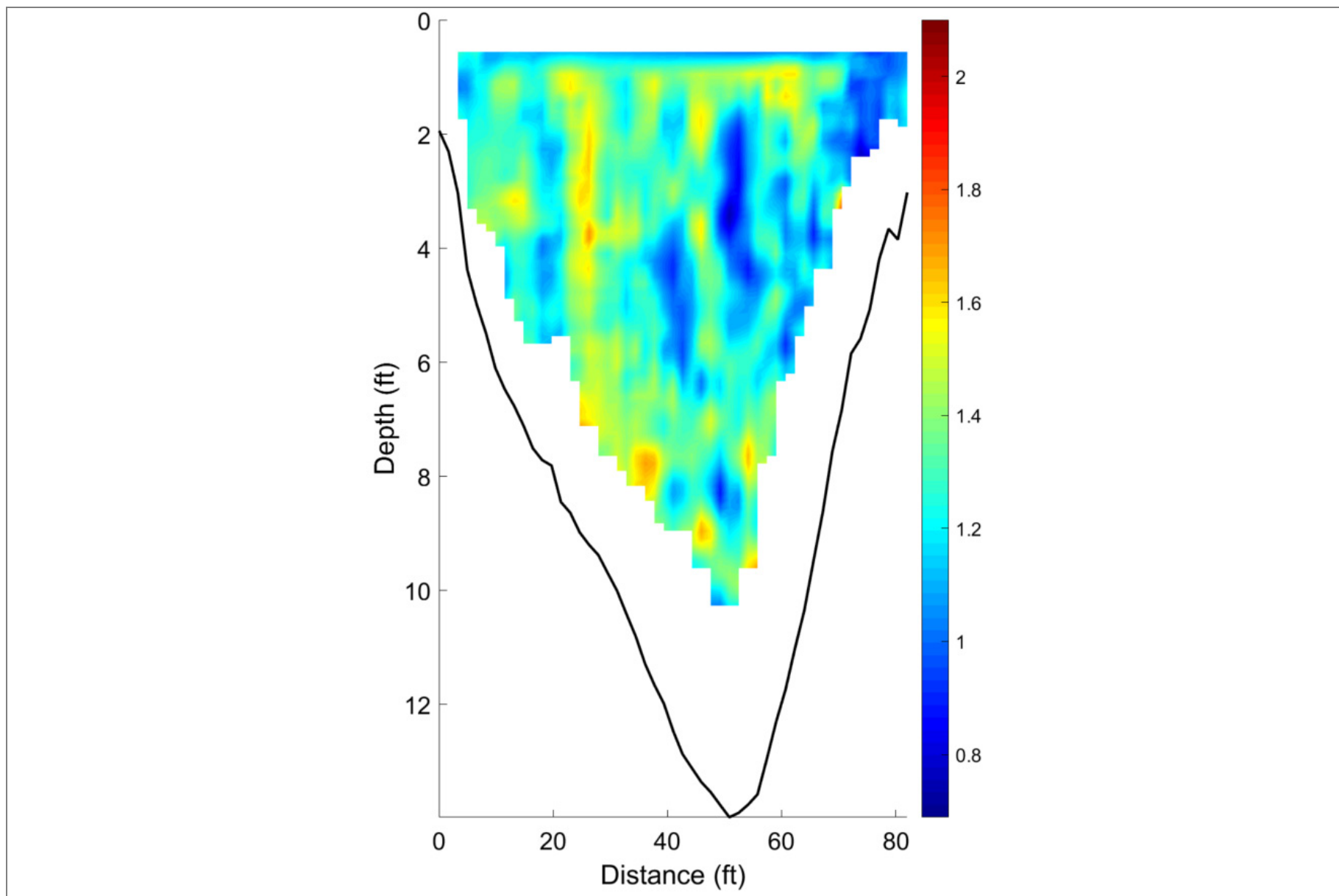
Filepath: https://anchorqea-my.sharepoint.com/personal/cgquest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-15.docx



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-16.docx



Figure B-16
Site 4 High Flow Velocity Magnitude Profile
 PDI Summary Report for Reach 5A Sediment and Riverbanks
 Housatonic River – Rest of River



Filepath: https://anchorqea-my.sharepoint.com/personal/cguest_anchorqea_com/Documents/Housatonic/Reach_5A/PDI/PDI_Summary_Reports/Sediment-Riverbank PDI Summary Report/Appendices/Appendix B_RiverSurveyor Results/Figures/Figure B-17.docx

Appendix C

Sample Collection Log Information (Riverbanks/Sediment/Supplemental)

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East	RB-E-000-00	8/30/2022	183516.9862	2987864.062	
	RB-E-000-25	8/30/2022	183494.5125	2987851.896	
	RB-E-000-49	8/30/2022	183477.2143	2987836.552	
	RB-E-000-72	8/30/2022	183478.775	2987816.076	
	RB-E-000-89	8/30/2022	183474.1783	2987792.986	
	RB-E-001-00	8/30/2022	183458.782	2987780.035	
	RB-E-001-24	8/30/2022	183438.7987	2987765.999	
	RB-E-001-77	8/30/2022	183400.2647	2987733.358	
West	RB-W-000-09	8/30/2022	183441.7203	2987912.281	
	RB-W-000-30	8/30/2022	183431.3496	2987893.268	
	RB-W-000-50	8/30/2022	183418.6971	2987863.857	Adjusted top, mid, and toe 5 feet south
	RB-W-000-68	8/30/2022	183411.5662	2987846.525	
	RB-W-001-06	8/30/2022	183397.0409	2987825.415	
	RB-W-001-33	8/30/2022	183383.665	2987804.911	
	RB-W-001-55	8/30/2022	183363.7297	2987786.996	
East	RB-E-004-51	8/31/2022	183275.7813	2987597.381	
	RB-E-004-92	8/31/2022	183298.6845	2987592.358	
	RB-E-005-13	8/31/2022	183324.4099	2987591.115	
	RB-E-005-38	8/31/2022	183349.4587	2987588.403	
	RB-E-005-62	8/31/2022	183374.4852	2987586.678	
	RB-E-005-91	8/31/2022	183398.8392	2987590.133	
West	RB-W-001-74	8/31/2022	183352.5522	2987771.073	
	RB-W-002-10	8/31/2022	183333.0388	2987754.215	
	RB-W-002-36	8/31/2022	183307.2705	2987743.156	
	RB-W-002-60	8/31/2022	183287.7531	2987732.526	
	RB-W-002-86	8/31/2022	183267.1321	2987727.102	
	RB-W-003-01	8/31/2022	183250.5383	2987713.97	
	RB-W-003-22	8/31/2022	183224.4632	2987709.734	
	RB-W-003-27	8/31/2022	183214.0505	2987702.688	Adjusted top 2 feet south
	RB-W-003-46	8/31/2022	183202.5961	2987680.701	
	RB-W-003-56	8/31/2022	183194.2218	2987658.355	
	RB-W-003-77	8/31/2022	183192.3311	2987634.087	Rejected top due to steep bank and lack of access
East	RB-E-006-28	9/1/2022	183423.9674	2987593.458	
	RB-E-006-50	9/1/2022	183447.4208	2987602.536	
	RB-E-006-77	9/1/2022	183471.1149	2987611.808	
	RB-E-007-05	9/1/2022	183491.6874	2987625.889	
	RB-E-007-28	9/1/2022	183510.6762	2987640.673	
	RB-E-007-45	9/1/2022	183529.8911	2987654.388	
	RB-E-007-58	9/1/2022	183551.9137	2987657.97	
	RB-E-007-65	9/1/2022	183574.7768	2987655.717	
	RB-E-007-73	9/1/2022	183592.8253	2987640.598	
	RB-E-007-82	9/1/2022	183603.9214	2987621.601	
	RB-E-008-33	9/1/2022	183621.4178	2987573.334	
	RB-E-008-54	9/1/2022	183638.8643	2987556.285	
West	RB-W-005-32	9/1/2022	183340.3606	2987530.941	
	RB-W-005-58	9/1/2022	183364.8681	2987526.408	
	RB-W-005-76	9/1/2022	183389.8677	2987524.802	
	RB-W-006-14	9/1/2022	183434.7151	2987530.295	
	RB-W-006-35	9/1/2022	183456.0054	2987541.153	
	RB-W-006-58	9/1/2022	183473.7055	2987551.244	Adjusted top, mid, and toe 3 feet north to avoid tree
	RB-W-007-07	9/1/2022	183520.7034	2987574.301	
	RB-W-008-13	9/1/2022	183565.4015	2987567.747	
	RB-W-008-32	9/1/2022	183570.3096	2987545.107	
	RB-W-008-61	9/1/2022	183579.5291	2987521.954	
East	RB-E-009-20	9/2/2022	183661.6129	2987488.42	Rejected top due to brush
	RB-E-009-57	9/2/2022	183661.7143	2987438.855	
	RB-E-009-82	9/2/2022	183657.9581	2987416.313	
	RB-E-010-05	9/2/2022	183655.4436	2987392.434	
	RB-E-010-21	9/2/2022	183648.0149	2987369.737	
	RB-E-010-41	9/2/2022	183638.4991	2987344.821	Adjusted top, mid, and toe 2 feet south to avoid logs
	RB-E-010-61	9/2/2022	183626.2072	2987327.848	
	RB-E-010-72	9/2/2022	183611.9178	2987307.617	
	RB-E-010-94	9/2/2022	183586.4001	2987304.338	Rejected toe due to cliff undercut
	RB-E-011-16	9/2/2022	183562.33	2987298.3	
	RB-E-011-60	9/2/2022	183519.335	2987281.995	
West	RB-W-004-33	9/2/2022	183223.8225	2987546.642	
	RB-W-004-43	9/2/2022	183241.8369	2987540.388	
	RB-W-004-63	9/2/2022	183266.0018	2987532.157	Rejected top due to steep bank and bramble
	RB-W-004-83	9/2/2022	183290.3876	2987531.059	Rejected top due to steep bank and bramble
	RB-W-005-100	9/2/2022	183410.8949	2987522.297	
	RB-W-008-83	9/2/2022	183585.8339	2987502.091	Adjusted top, mid, and toe 2 feet north to avoid tree
	RB-W-009-18	9/2/2022	183599.218	2987476.521	
	RB-W-009-54	9/2/2022	183603.0451	2987451.041	
	RB-W-009-81	9/2/2022	183601.4848	2987426.443	
	RB-W-010-09	9/2/2022	183592.2076	2987400.193	
	RB-W-010-38	9/2/2022	183575.2771	2987389.722	
	RB-W-010-86	9/2/2022	183561.0652	2987376.455	
	RB-W-011-08	9/2/2022	183546.6315	2987352.882	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
West (cont.)	RB-W-011-40	9/2/2022	183521.8432	2987339.118	
	RB-W-011-62	9/2/2022	183497.7753	2987333.848	
	RB-W-011-77	9/2/2022	183480.547	2987326.76	
	RB-W-011-98	9/2/2022	183461.6976	2987309.197	
	RB-W-012-13	9/2/2022	183443.0783	2987300.132	
	RB-W-012-53	9/2/2022	183407.4281	2987266.754	
	RB-W-012-59	9/2/2022	183395.7975	2987251.357	
East	RB-E-012-83	9/7/2022	183477.5825	2987220.002	
	RB-E-013-09	9/7/2022	183478.4437	2987196.073	
	RB-E-013-64	9/7/2022	183487.3793	2987171.721	
	RB-E-014-11	9/7/2022	183511.505	2987161.901	
	RB-E-014-42	9/7/2022	183536.914	2987163.87	
	RB-E-014-69	9/7/2022	183561.7178	2987165.212	
	RB-E-014-88	9/7/2022	183586.3988	2987165.413	
	RB-E-015-16	9/7/2022	183631.8948	2987178.506	
	RB-E-015-26	9/7/2022	183649.5529	2987160.824	Toe sample was underwater
	RB-E-017-02	9/8/2022	183767.367	2987004.147	
	RB-E-017-70	9/8/2022	183790.8636	2986942.176	
	RB-E-017-98	9/8/2022	183804.1002	2986917.842	
	RB-E-018-45	9/8/2022	183826.6874	2986877.243	
	RB-E-018-92	9/8/2022	183838.5545	2986828.834	
	RB-E-019-42	9/8/2022	183848.2884	2986780.153	
	RB-E-019-89	9/8/2022	183860.7142	2986731.577	
	RB-E-020-38	9/8/2022	183873.3782	2986684.159	
	RB-E-020-89	9/8/2022	183884.3441	2986636.158	
	RB-E-021-42	9/9/2022	183897.9665	2986587.451	
	RB-E-021-85	9/9/2022	183904.7565	2986541.263	
	RB-E-022-42	9/9/2022	183929.3617	2986498.214	
	RB-E-022-92	9/9/2022	183948.8692	2986453.08	
	RB-E-023-47	9/9/2022	183973.9942	2986410.122	
	RB-E-023-97	9/9/2022	184004.2461	2986370.327	
	RB-E-024-63	9/9/2022	184041.852	2986336.564	
	RB-E-025-38	9/9/2022	184089.6416	2986322.656	
	RB-E-026-03	9/9/2022	184132.4739	2986347.271	
	RB-E-026-55	9/9/2022	184172.7513	2986377.019	
	RB-E-026-98	9/9/2022	184212.4143	2986407.148	
	RB-E-027-53	9/9/2022	184255.7587	2986430.34	
	RB-E-028-04	9/9/2022	184290.5057	2986466.106	
	RB-E-028-51	9/9/2022	184330.9177	2986495.529	
	RB-E-028-98	9/9/2022	184372.9147	2986521.738	
West	RB-W-012-69	9/8/2022	183395.7873	2987230.104	
	RB-W-012-89	9/8/2022	183406.9343	2987208.192	
	RB-W-013-13	9/8/2022	183410.6679	2987183.512	
	RB-W-013-40	9/8/2022	183426.4244	2987138.083	
	RB-W-013-58	9/8/2022	183442.3309	2987118.665	
	RB-W-013-89	9/8/2022	183481.279	2987094.968	
	RB-W-014-07	9/8/2022	183504.9098	2987098.523	
	RB-W-014-32	9/8/2022	183530.7552	2987097.797	
	RB-W-014-48	9/8/2022	183555.1469	2987099.757	
	RB-W-014-69	9/8/2022	183580.6771	2987094.253	
	RB-W-015-31	9/8/2022	183602.7535	2987085.907	
	RB-W-015-59	9/8/2022	183626.5392	2987077.201	
	RB-W-016-23	9/8/2022	183658.3534	2987036.739	
	RB-W-016-76	9/8/2022	183687.6454	2986995.563	
	RB-W-017-32	9/8/2022	183706.9176	2986949.789	
	RB-W-017-81	9/8/2022	183724.2414	2986902.788	
	RB-W-018-09	9/8/2022	183725.972	2986879.669	
	RB-W-018-59	9/9/2022	183745.535	2986834.049	
	RB-W-019-09	9/9/2022	183763.3588	2986787.339	
	RB-W-019-57	9/9/2022	183778.864	2986738.473	
	RB-W-020-11	9/9/2022	183788.1684	2986690.876	
	RB-W-020-59	9/9/2022	183799.1307	2986643.096	
	RB-W-021-05	9/9/2022	183813.9909	2986594.751	
	RB-W-021-56	9/9/2022	183827.6533	2986549.272	
	RB-W-022-06	9/9/2022	183843.9154	2986501.766	
	RB-W-022-49	9/9/2022	183865.0357	2986457.521	
	RB-W-023-18	9/9/2022	183902.9267	2986393.446	
	RB-W-023-89	9/9/2022	183946.0845	2986333.53	
	RB-W-014-69	9/8/2022	183580.6771	2987094.253	
	RB-W-024-97	9/12/2022	184046.6541	2986254.699	
	RB-W-025-16	9/12/2022	184070.7962	2986248.853	
	RB-W-027-31	9/12/2022	184280.0569	2986358.295	
	RB-W-029-35	9/12/2022	184442.2032	2986470.272	
	RB-W-029-89	9/12/2022	184487.0325	2986490.97	
	RB-W-030-54	9/12/2022	184538.4612	2986494.615	
	RB-W-032-60	9/12/2022	184730.9376	2986480.925	
	RB-W-033-08	9/12/2022	184773.4342	2986471.387	
	RB-W-033-39	9/12/2022	184801.3774	2986463.469	Adjusted top, mid, and toe 2 feet north to avoid brush
	RB-W-059-47	9/12/2022	186848.7735	2986281.443	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East	RB-E-030-48	9/14/2022	184537.5262	2986573.252	Adjusted top, mid, and toe 3 feet south to avoid tree
	RB-E-031-18	9/14/2022	184605.9759	2986568.939	
	RB-E-032-07	9/14/2022	184704.0209	2986571.775	
	RB-E-035-57	9/14/2022	185009.0804	2986371.083	
	RB-E-036-15	9/14/2022	185047.7496	2986338.95	
West	RB-W-034-42	9/14/2022	184874.7037	2986400.581	
	RB-W-035-44	9/14/2022	184943.9247	2986327.825	
	RB-W-035-90	9/14/2022	184976.4922	2986294.354	
	RB-W-036-31	9/14/2022	185018.8815	2986266.906	
	RB-W-042-68	9/14/2022	185628.5916	2986296.522	
	RB-W-043-39	9/14/2022	185692.122	2986284.01	
	RB-W-027-10	9/12/2022	184259.5763	2986343.802	
	RB-W-013-79	9/12/2022	183459.3715	2987104.36	
	RB-W-024-59	9/12/2022	183999.8586	2986272.171	
	RB-W-025-67	9/12/2022	184140.757	2986265.274	
	RB-W-026-07	9/12/2022	184176.6017	2986291.982	
	RB-W-026-53	9/12/2022	184220.4353	2986316.123	
	RB-W-027-78	9/12/2022	184319.0831	2986387.942	Rejected top due to steep slope and brush
	RB-W-028-24	9/12/2022	184359.8907	2986414.833	
	RB-W-028-77	9/12/2022	184397.2768	2986446.831	
	RB-W-030-96	9/12/2022	184584.7528	2986503.822	
	RB-W-031-49	9/12/2022	184634.0276	2986504.263	
	RB-W-032-06	9/12/2022	184683.1965	2986493.766	
	RB-W-033-90	9/12/2022	184845.9327	2986438.112	Adjusted toe 1 foot North to avoid log
East	RB-E-060-01	9/12/2022	186942.6697	2986260.679	
	RB-E-029-42	9/14/2022	184417.551	2986542.394	
	RB-E-030-09	9/14/2022	184488.6874	2986566.151	
	RB-E-031-65	9/14/2022	184655.2021	2986569.946	
	RB-E-032-76	9/14/2022	184768.5044	2986537.334	
	RB-E-035-05	9/14/2022	184979.8403	2986410.625	
	RB-E-036-77	9/14/2022	185090.4559	2986314.87	
	RB-E-037-46	9/14/2022	185140.8285	2986315.962	
West	RB-W-034-90	9/14/2022	184911.9247	2986367.22	
	RB-W-039-64	9/14/2022	185337.5148	2986342.526	
	RB-W-040-24	9/14/2022	185387.5803	2986341.134	
	RB-W-040-71	9/14/2022	185433.4549	2986321.242	
	RB-W-017-81	9/8/2022	183724.2414	2986902.788	
East	RB-E-038-06	9/15/2022	185187.3126	2986335.271	
	RB-E-039-50	9/15/2022	185321.1703	2986422.442	
	RB-E-041-92	9/15/2022	185564.6203	2986382.109	
	RB-E-042-38	9/15/2022	185614.38	2986376.255	
	RB-E-042-86	9/15/2022	185664.4564	2986371.535	
	RB-E-044-03	9/15/2022	185760.3814	2986360.56	
	RB-E-044-57	9/15/2022	185808.1001	2986377.178	
	RB-E-046-09	9/15/2022	185938.5542	2986448.853	
	RB-E-046-54	9/15/2022	185981.2664	2986474.908	
West	RB-W-043-98	9/15/2022	185773.7796	2986296.776	Adjusted top, mid, and toe 2 feet south to avoid tree
	RB-W-044-43	9/15/2022	185819.6768	2986313.843	
	RB-W-046-68	9/15/2022	186021.5068	2986405.538	
	RB-W-047-15	9/15/2022	186067.446	2986424.157	
East	RB-E-038-79	9/15/2022	185243.139	2986385.432	
	RB-E-039-20	9/15/2022	185275.8512	2986416.158	
	RB-E-040-88	9/15/2022	185466.0138	2986392.05	
	RB-E-041-46	9/15/2022	185515.7838	2986389.207	
	RB-E-043-37	9/15/2022	185709.8014	2986358.606	
	RB-E-045-09	9/15/2022	185853.0039	2986398.042	
	RB-E-045-60	9/15/2022	185894.4917	2986425.403	
West	RB-W-041-33	9/15/2022	185502.8934	2986305.92	
	RB-W-041-84	9/15/2022	185553.327	2986306.434	
	RB-W-042-40	9/15/2022	185603.0375	2986299.768	
	RB-W-044-89	9/15/2022	185862.8218	2986337.433	
	RB-W-045-38	9/15/2022	185906.7351	2986360.404	
	RB-W-046-12	9/15/2022	185974.251	2986388.313	
	RB-W-047-62	9/15/2022	186113.1759	2986442.977	Adjusted top, mid, and toe 2 feet north to avoid tree
	RB-W-048-12	9/15/2022	186160.6775	2986461.851	
	RB-W-049-07	9/15/2022	186246.1419	2986496.592	
	RB-W-049-53	9/16/2022	186289.1602	2986522.179	
	RB-W-051-64	9/16/2022	186454.7028	2986667.244	
	RB-W-052-68	9/16/2022	186536.2745	2986723.52	
	RB-W-054-25	9/16/2022	186634.7339	2986739.534	
	RB-W-054-82	9/16/2022	186666.9813	2986700.281	
	RB-W-058-20	9/16/2022	186794.3931	2986395.229	Adjusted top, mid, and toe 3 feet north to avoid tree
	RB-W-058-66	9/16/2022	186817.7303	2986350.004	Rejected top due to brush
	RB-W-059-19	9/16/2022	186839.8434	2986305.015	
	RB-W-059-93	9/16/2022	186866.2981	2986238.373	Adjusted top, mid, and toe 4 feet north to avoid tree
East	RB-E-047-32	9/16/2022	186049.1111	2986504.294	
	RB-E-047-82	9/16/2022	186093.2652	2986526.903	
	RB-E-048-82	9/16/2022	186183.1988	2986574.845	
	RB-E-049-84	9/16/2022	186273.5116	2986617.005	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-050-46	9/16/2022	186315.8816	2986643.695	
	RB-E-050-96	9/16/2022	186352.3477	2986676.84	
	RB-E-051-41	9/16/2022	186388.8125	2986710.072	
	RB-E-051-88	9/16/2022	186424.9903	2986744.331	
	RB-E-052-44	9/16/2022	186464.2313	2986774.577	
	RB-E-052-85	9/16/2022	186501.9888	2986804.121	
	RB-E-057-77	9/16/2022	186855.5222	2986465.387	
	RB-E-058-80	9/16/2022	186895.2311	2986374.638	
West	RB-W-053-45	9/16/2022	186584.172	2986743.333	
	RB-W-049-99	9/16/2022	186331.1138	2986548.648	
	RB-W-051-14	9/16/2022	186416.9211	2986635.857	Rejected top due to brush
	RB-W-052-18	9/16/2022	186495.3438	2986694.696	
	RB-W-055-37	9/16/2022	186692.4717	2986657.71	
	RB-W-055-87	9/16/2022	186704.619	2986609.365	
	RB-W-056-29	9/16/2022	186727.6773	2986565.073	
	RB-W-056-88	9/16/2022	186745.193	2986518.655	
	RB-W-060-44	9/16/2022	186888.4309	2986188.9	Adjusted top, mid, and toe 2 feet south to avoid brush
	RB-W-060-98	9/16/2022	186902.5913	2986142.27	
	RB-W-061-50	9/16/2022	186918.7472	2986094.833	
	RB-W-061-76	9/16/2022	186926.4387	2986071.084	
East	RB-E-049-33	9/16/2022	186228.4109	2986594.896	
West	RB-W-062-84	9/19/2022	186941.026	2985972.276	
	RB-W-063-32	9/19/2022	186943.7727	2985922.546	
East	RB-E-060-41	9/19/2022	186970.0305	2986230.795	
	RB-E-060-86	9/19/2022	186984.8717	2986183.184	
	RB-E-061-34	9/19/2022	186998.206	2986134.839	
	RB-E-063-22	9/19/2022	187024.8034	2985940.841	
	RB-E-063-70	9/19/2022	187031.5786	2985890.705	
	RB-E-064-16	9/19/2022	187027.4287	2985844.49	
	RB-E-067-38	9/19/2022	187039.8788	2985524.157	
	RB-E-067-92	9/19/2022	187029.6177	2985475.003	Rejected top
	RB-E-068-42	9/19/2022	187022.7145	2985425.826	
West	RB-E-068-93	9/19/2022	187016.5265	2985376.424	
	RB-W-065-19	9/19/2022	186975.4928	2985727.747	
	RB-W-065-47	9/19/2022	186983.2342	2985703.46	
	RB-W-066-80	9/19/2022	186998.0019	2985602.267	
	RB-W-067-25	9/19/2022	186982.3868	2985556.731	
	RB-W-067-73	9/19/2022	186963.5036	2985509.567	
	RB-W-062-28	9/19/2022	186937.9016	2986022.255	
	RB-W-063-88	9/19/2022	186946.4676	2985874.637	Adjusted top, mid, and toe 1 foot north to avoid brush
	RB-W-064-32	9/19/2022	186951.2533	2985824.609	Adjusted top and mid 1 foot north to avoid brush
East	RB-W-064-76	9/19/2022	186960.2408	2985774.118	
	RB-E-061-81	9/19/2022	187002.6906	2986085.223	
	RB-E-062-27	9/19/2022	187016.056	2986039.216	
	RB-E-062-73	9/19/2022	187019.2876	2985990.518	
	RB-E-064-70	9/19/2022	187030.9297	2985799.53	
	RB-E-065-23	9/19/2022	187043.6209	2985752.984	
	RB-E-065-68	9/19/2022	187062.1409	2985709.113	
	RB-E-066-10	9/19/2022	187077.4119	2985660.812	
	RB-E-066-48	9/19/2022	187076.6845	2985614.169	
	RB-E-069-45	9/19/2022	187010.1853	2985326.688	Rejected top
	RB-E-069-94	9/19/2022	187006.8395	2985276.671	
	RB-E-070-48	9/19/2022	187003.6673	2985226.574	
	RB-E-070-93	9/20/2022	187004.1824	2985175.926	
	RB-E-072-93	9/20/2022	186998.5003	2984979.568	
	RB-E-073-43	9/20/2022	186996.227	2984928.901	Adjusted toe 2 feet to avoid tree
	RB-E-075-38	9/20/2022	186973.7792	2984733.355	
	RB-E-078-29	9/20/2022	186897.7213	2984451.351	
	RB-E-078-84	9/20/2022	186893.3463	2984401.405	
	RB-E-079-55	9/20/2022	186897.0015	2984351.438	Adjusted top, mid, and toe 2 feet
	RB-E-080-20	9/20/2022	186929.2839	2984312.952	
	RB-E-082-62	9/20/2022	187103.5371	2984251.058	
	RB-E-083-21	9/20/2022	187138.9386	2984285.523	
	RB-E-083-62	9/20/2022	187176.1886	2984317.505	
	RB-E-084-08	9/20/2022	187207.2823	2984352.658	
West	RB-W-068-16	9/20/2022	186953.7231	2985461.324	
	RB-W-068-63	9/20/2022	186947.0204	2985415.065	
	RB-W-071-57	9/20/2022	186917.5759	2985119.131	
	RB-W-072-56	9/20/2022	186911.5372	2985021.948	
	RB-W-073-08	9/20/2022	186914.8065	2984957.335	Adjusted top, mid, and toe 3 feet south to avoid brush
	RB-W-073-57	9/20/2022	186912.5835	2984919.07	
	RB-W-076-70	9/20/2022	186867.9215	2984627.526	
	RB-W-077-13	9/20/2022	186850.16	2984581.202	
	RB-W-077-35	9/20/2022	186843.936	2984556.854	Rejected top due to steep bank
East	RB-W-078-80	9/20/2022	186823.6886	2984403.974	
	RB-E-071-49	9/20/2022	187005.2991	2985128.877	
	RB-E-071-92	9/20/2022	187006.3457	2985078.228	
	RB-E-073-95	9/20/2022	186988.2382	2984881.489	Adjusted top, mid, and toe 2 feet to avoid tree
	RB-E-074-41	9/20/2022	186983.6673	2984832.011	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-074-89	9/20/2022	186976.8711	2984783.988	
	RB-E-075-86	9/20/2022	186967.8274	2984685.208	Adjusted top, mid, and toe 2 feet to avoid tree
	RB-E-076-27	9/20/2022	186953.69	2984637.89	
	RB-E-076-75	9/20/2022	186935.8898	2984593.013	
	RB-E-077-32	9/20/2022	186927.6635	2984544.619	
	RB-E-077-78	9/20/2022	186915.239	2984497.597	
	RB-E-080-65	9/20/2022	186969.5486	2984282.056	
	RB-E-081-32	9/20/2022	187011.7716	2984253.304	
	RB-E-081-89	9/20/2022	187055.8237	2984234.596	
	RB-E-084-53	9/20/2022	187246.0615	2984382.526	
West	RB-W-069-15	9/20/2022	186942.1162	2985365.964	
	RB-W-069-63	9/20/2022	186932.6162	2985316.016	
	RB-W-070-34	9/20/2022	186927.2248	2985242.873	
	RB-W-071-08	9/20/2022	186920.8577	2985168.421	
	RB-W-074-04	9/20/2022	186913.8728	2984870.485	
	RB-W-074-58	9/20/2022	186911.7491	2984821.831	
	RB-W-075-07	9/20/2022	186904.9916	2984773.416	
	RB-W-075-62	9/20/2022	186895.9687	2984722.513	
	RB-W-076-18	9/20/2022	186882.6773	2984674.64	
	RB-W-081-14	9/20/2022	186964.4255	2984197.55	
	RB-W-093-08	9/21/2022	187338.1932	2983697.884	
	RB-W-080-47	9/21/2022	186909.3171	2984245.302	
	RB-W-083-93	9/21/2022	187236.78	2984292.325	
	RB-W-084-49	9/21/2022	187279.5801	2984319.906	
	RB-W-085-33	9/21/2022	187329.4363	2984326.808	
	RB-W-086-29	9/21/2022	187363.9828	2984289.47	
	RB-W-088-24	9/21/2022	187301.0062	2984133.822	
	RB-W-088-77	9/21/2022	187270.9351	2984094.444	
	RB-W-089-24	9/21/2022	187239.3449	2984056.334	
	RB-W-089-67	9/21/2022	187211.6301	2984015.82	
	RB-W-090-79	9/21/2022	187212.9139	2983877.995	
	RB-W-095-04	9/21/2022	187363.7167	2983527.122	
	RB-W-095-66	9/21/2022	187345.5143	2983480.615	
East	RB-E-087-92	9/21/2022	187370.6183	2984120.639	
	RB-E-089-46	9/21/2022	187282.5591	2984000.801	
	RB-E-090-06	9/21/2022	187266.711	2983954.353	
	RB-E-090-88	9/21/2022	187267.4423	2983905.564	
	RB-E-095-95	9/21/2022	187378.9969	2983422.913	Rejected top due to steep bank
	RB-E-094-20	9/21/2022	187431.3019	2983607.654	
	RB-E-097-11	9/21/2022	187335.5701	2983333.476	Adjusted toe, mid, and top 2 feet to avoid tree
	RB-E-098-35	9/21/2022	187372.9096	2983304.367	
West	RB-W-080-70	9/21/2022	186925.4243	2984228.116	
	RB-W-080-96	9/21/2022	186944.235	2984211.829	
	RB-W-081-71	9/21/2022	187033.4907	2984175.613	
	RB-W-082-11	9/21/2022	187082.6412	2984177.285	
	RB-W-082-50	9/21/2022	187129.0387	2984194.643	
	RB-W-082-95	9/21/2022	187169.4137	2984222.878	
	RB-W-086-88	9/21/2022	187350.6767	2984243.697	
	RB-W-087-46	9/21/2022	187341.5849	2984195.861	
	RB-W-088-02	9/21/2022	187314.623	2984154.235	
	RB-W-091-94	9/21/2022	187289.2582	2983779.845	
	RB-W-092-61	9/21/2022	187315.1217	2983739.531	
	RB-W-093-94	9/21/2022	187362.6711	2983627.649	
	RB-W-094-50	9/21/2022	187366.3053	2983577.109	
	RB-W-096-18	9/21/2022	187313.2421	2983441.89	
East	RB-E-091-47	9/21/2022	187307.3209	2983871.889	
	RB-E-091-92	9/21/2022	187351.1485	2983850.492	
	RB-E-092-68	9/21/2022	187391.8469	2983765.991	
	RB-E-093-32	9/21/2022	187434.4177	2983707.573	
	RB-E-093-75	9/21/2022	187427.7799	2983658.23	
	RB-E-098-72	9/21/2022	187421.7734	2983313.979	
	RB-E-103-93	9/21/2022	187511.6945	2982811.713	
	RB-E-104-42	9/21/2022	187531.4093	2982765.528	
	RB-E-104-86	9/21/2022	187564.5477	2982741.637	
West	RB-W-096-62	9/23/2022	187282.6431	2983403.187	
	RB-W-097-68	9/23/2022	187285.2228	2983271.871	
	RB-W-098-89	9/23/2022	187403.7032	2983192.128	
	RB-W-102-19	9/23/2022	187441.4955	2982969.175	
	RB-W-102-61	9/23/2022	187422.4692	2982921.997	
	RB-W-106-60	9/23/2022	187525.1915	2982591.775	
	RB-W-107-22	9/23/2022	187488.9767	2982556.047	
East	RB-E-084-87	9/23/2022	187289.5292	2984397.737	
	RB-E-085-07	9/23/2022	187315.4517	2984396.319	
	RB-E-087-09	9/23/2022	187417.5775	2984206.308	
	RB-E-087-28	9/23/2022	187410.442	2984184.169	
	RB-E-105-40	9/23/2022	187597.5795	2982701.884	
	RB-E-105-67	9/23/2022	187623.3593	2982659.964	
	RB-E-108-47	9/23/2022	187380.3214	2982461.838	
	RB-E-110-72	9/23/2022	187189.4248	2982591.592	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-111-31	9/23/2022	187143.4987	2982596.093	
	RB-E-111-63	9/23/2022	187116.8449	2982581.065	
	RB-E-114-32	9/23/2022	186835.8412	2982647.694	
	RB-E-114-83	9/23/2022	186786.7766	2982660.21	
	RB-E-115-80	9/23/2022	186738.7449	2982658.61	
West	RB-W-096-100	9/23/2022	187264.4781	2983357.408	
	RB-W-097-35	9/23/2022	187260.8639	2983312.819	
	RB-W-102-99	9/23/2022	187396.4795	2982882.28	
	RB-W-103-21	9/23/2022	187397.1291	2982835.574	
	RB-W-104-34	9/23/2022	187467.4252	2982739.419	Rejected top due to steep bank
East	RB-W-104-54	9/23/2022	187479.6525	2982718.625	
	RB-E-085-79	9/23/2022	187408.5054	2984369.546	
	RB-E-085-90	9/23/2022	187420.3364	2984350.863	
	RB-E-086-21	9/23/2022	187430.1461	2984303.73	
	RB-E-086-41	9/23/2022	187431.6881	2984279.297	
	RB-E-106-56	9/23/2022	187574.6225	2982552.371	
	RB-E-107-16	9/23/2022	187519.7574	2982501.897	
	RB-E-107-61	9/23/2022	187473.5003	2982487.354	
	RB-E-108-08	9/23/2022	187428.2589	2982466.336	
	RB-E-112-01	9/23/2022	187070.5894	2982589.951	
	RB-E-112-41	9/23/2022	187024.6876	2982600.573	
	RB-E-112-82	9/23/2022	186977.5964	2982612.279	
	RB-E-113-38	9/23/2022	186930.4699	2982623.386	
	RB-E-113-90	9/23/2022	186881.634	2982628.951	
West	RB-W-097-100	9/23/2022	187322.6797	2983240.162	
East	RB-E-116-27	9/26/2022	186701.1036	2982625.479	
	RB-E-116-72	9/26/2022	186664.8556	2982592.083	
	RB-E-117-19	9/26/2022	186626.5988	2982562.731	
	RB-E-117-64	9/26/2022	186588.1717	2982535.665	
	RB-E-118-05	9/26/2022	186545.1285	2982516.072	
	RB-E-118-65	9/26/2022	186499.0689	2982494.192	
	RB-E-119-44	9/26/2022	186470.2162	2982453.568	
	RB-E-120-10	9/26/2022	186453.2953	2982406.423	
	RB-E-120-66	9/26/2022	186473.1316	2982360.244	
	RB-E-121-72	9/26/2022	186468.337	2982232.803	
	RB-E-122-08	9/26/2022	186441.7648	2982194.026	
	RB-E-123-77	9/26/2022	186269.4985	2982109.183	Adjusted top, mid, and toe to avoid tree
	RB-E-124-62	9/26/2022	186231.6458	2982076.008	
	RB-E-125-21	9/26/2022	186207.7374	2982031.792	
	RB-E-125-67	9/26/2022	186196.5951	2981984.352	
	RB-E-126-15	9/26/2022	186196.2995	2981934.264	
	RB-E-126-54	9/26/2022	186191.1174	2981884.888	
	RB-E-126-89	9/26/2022	186161.2746	2981847.858	Rejected top
	RB-E-127-68	9/26/2022	186132.7284	2981806.852	
	RB-E-128-40	9/26/2022	186128.6142	2981757.721	
	RB-E-128-92	9/26/2022	186141.2425	2981708.277	
	RB-E-129-38	9/26/2022	186164.3235	2981666.625	
	RB-E-129-82	9/26/2022	186178.0656	2981623.033	
West	RB-W-107-75	9/26/2022	187440.1582	2982542.242	
	RB-W-108-38	9/26/2022	187390.6386	2982540.52	
	RB-W-109-09	9/26/2022	187354.7374	2982564.667	
	RB-W-109-61	9/26/2022	187315.1788	2982589.852	
	RB-W-111-80	9/26/2022	187090.3518	2982658.037	
	RB-W-112-10	9/26/2022	187066.6481	2982663.371	
	RB-W-113-80	9/26/2022	186909.3856	2982717.659	
	RB-W-114-33	9/26/2022	186859.9622	2982718.015	
	RB-W-114-79	9/26/2022	186817.2313	2982741.776	
	RB-W-115-14	9/26/2022	186769.7826	2982752.319	
	RB-W-115-42	9/26/2022	186722.6137	2982743.581	
	RB-W-115-72	9/26/2022	186687.2509	2982715.744	
	RB-W-116-21	9/26/2022	186664.2112	2982673.309	
	RB-W-116-73	9/26/2022	186625.3426	2982642.17	
	RB-W-117-21	9/26/2022	186583.0644	2982621.856	
	RB-W-117-78	9/26/2022	186538.5635	2982598.576	
	RB-W-118-30	9/26/2022	186492.6056	2982579.378	
	RB-W-118-69	9/26/2022	186449.421	2982555.744	
	RB-W-119-08	9/26/2022	186407.8706	2982527.855	
	RB-W-119-38	9/26/2022	186371.2053	2982502.38	
	RB-W-119-59	9/26/2022	186388.1085	2982457.196	
	RB-W-119-81	9/26/2022	186387.427	2982433.846	
	RB-W-120-24	9/26/2022	186387.98	2982383.45	Rejected top due to steep bank
East	RB-E-100-37	9/27/2022	187514.7627	2983133.186	
	RB-E-130-33	9/27/2022	186198.1436	2981583.184	
	RB-E-130-79	9/27/2022	186207.7361	2981533.324	
	RB-E-132-19	9/27/2022	186246.2272	2981392.96	
	RB-E-132-65	9/27/2022	186251.091	2981343	
West	RB-W-099-95	9/27/2022	187443.3357	2983162.577	
	RB-W-101-61	9/27/2022	187456.833	2983014.778	
	RB-W-121-43	9/27/2022	186390.1478	2982285.198	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
West (cont.)	RB-W-121-97	9/27/2022	186380.1892	2982236.55	
	RB-W-124-42	9/27/2022	186172.3202	2982132.678	
	RB-W-125-21	9/27/2022	186143.3668	2982046.314	
	RB-W-125-71	9/27/2022	186136.9872	2981998.044	
	RB-W-126-19	9/27/2022	186115.318	2981954.197	
	RB-W-129-29	9/27/2022	186071.9359	2981648.359	
	RB-W-129-77	9/27/2022	186092.9092	2981602.586	
	RB-W-130-24	9/27/2022	186103.4397	2981553.793	
	RB-W-132-76	9/27/2022	186174.6794	2981321.261	
	RB-W-133-32	9/27/2022	186180.5321	2981270.257	
East	RB-E-099-30	9/27/2022	187516.178	2983281.379	
	RB-E-099-74	9/27/2022	187515.7519	2983208.346	Rejected toe due to rocks
	RB-E-131-28	9/27/2022	186217.3476	2981485.04	
	RB-E-131-77	9/27/2022	186230.7498	2981436.902	
West	RB-W-100-23	9/27/2022	187452.1457	2983138.287	
	RB-W-100-45	9/27/2022	187452.9121	2983114.803	
	RB-W-100-99	9/27/2022	187460.2254	2983065.288	
	RB-W-122-73	9/27/2022	186349.4763	2982199.494	
	RB-W-123-27	9/27/2022	186300.5059	2982189.766	
	RB-W-123-78	9/27/2022	186253.1281	2982176.428	
	RB-W-124-14	9/27/2022	186207.576	2982164.558	Rejected top due to overhang
	RB-W-126-79	9/27/2022	186086.2518	2981921.95	
	RB-W-127-30	9/27/2022	186048.1784	2981885.81	
	RB-W-127-59	9/27/2022	186030.4195	2981843.195	
	RB-W-128-09	9/27/2022	186036.8611	2981765.637	
	RB-W-128-57	9/27/2022	186060.1144	2981722.044	
	RB-W-130-76	9/27/2022	186121.9331	2981507.392	Rejected top due to steep bank
	RB-W-131-25	9/27/2022	186139.7235	2981462.307	
	RB-W-131-76	9/27/2022	186155.5007	2981414.82	
	RB-W-132-31	9/27/2022	186168.8057	2981366.591	
	RB-W-133-87	9/28/2022	186184.3956	2981220.71	
	RB-W-134-48	9/28/2022	186178.3188	2981171.059	Adjusted top 1 foot south
	RB-W-136-27	9/28/2022	186093.132	2981053.137	
	RB-W-136-74	9/28/2022	186038.7447	2981023.459	
	RB-W-137-05	9/28/2022	186012.583	2980986.729	
	RB-W-134-99	9/28/2022	186160.7772	2981124.252	
	RB-W-135-57	9/28/2022	186134.7146	2981081.309	
	RB-W-137-50	9/28/2022	186004.2493	2980902.878	
	RB-W-138-80	9/28/2022	186146.1221	2980823.215	Rejected top due to steep bank
	RB-W-139-23	9/28/2022	186189.327	2980814.423	
	RB-W-139-74	9/28/2022	186232.5425	2980789.894	
	RB-W-140-19	9/28/2022	186278.7711	2980775.361	
	RB-W-140-86	9/28/2022	186321.9787	2980748.006	
	RB-W-141-59	9/28/2022	186358.4855	2980715.956	
	RB-W-142-38	9/28/2022	186362.9622	2980670.323	
	RB-W-142-62	9/28/2022	186361.9156	2980634.759	
	RB-W-142-93	9/28/2022	186371.4405	2980588.201	
	RB-W-143-20	9/28/2022	186387.4608	2980552.512	
	RB-W-143-84	9/28/2022	186491.2349	2980538.787	
	RB-W-144-68	9/28/2022	186568.1714	2980610.346	
	RB-W-145-21	9/28/2022	186607.0575	2980640.139	
	RB-W-147-98	9/28/2022	186745.0418	2980841.797	
East	RB-E-133-17	9/28/2022	186256.7265	2981294.376	
	RB-E-133-61	9/28/2022	186260.1481	2981244.544	
	RB-E-134-02	9/28/2022	186260.0185	2981196.898	
	RB-E-134-91	9/28/2022	186228.5172	2981105.106	
	RB-E-135-36	9/28/2022	186209.1816	2981058.719	
	RB-E-135-76	9/28/2022	186181.3103	2981018.52	
	RB-E-137-94	9/28/2022	186101.6392	2980919.027	
	RB-E-138-63	9/28/2022	186143.9751	2980889.765	
	RB-E-139-13	9/28/2022	186192.5029	2980876.243	
	RB-E-139-57	9/28/2022	186241.2666	2980869.618	
	RB-E-140-11	9/28/2022	186289.9462	2980858.166	
	RB-E-143-65	9/28/2022	186457.6257	2980613.954	
	RB-E-144-53	9/28/2022	186496.6617	2980645.666	
	RB-E-144-99	9/28/2022	186522.9048	2980688.148	
	RB-E-145-20	9/28/2022	186544.1449	2980699.988	
	RB-E-145-73	9/28/2022	186583.0126	2980730.447	
	RB-E-147-84	9/28/2022	186706.5553	2980923.963	
	RB-E-140-51	9/28/2022	186337.917	2980858.241	
	RB-E-140-86	9/28/2022	186374.909	2980829.268	
	RB-E-141-44	9/28/2022	186423.2104	2980767.677	
	RB-E-141-84	9/28/2022	186434.5487	2980719.265	
	RB-E-146-29	9/28/2022	186603.673	2980788.6	
	RB-E-146-85	9/28/2022	186610.9669	2980829.548	
	RB-E-147-17	9/28/2022	186628.9679	2980868.425	
	RB-E-147-56	9/28/2022	186665.5318	2980900.615	
	RB-E-149-94	9/29/2022	186896.9129	2980910.858	
	RB-E-150-50	9/29/2022	186934.3757	2980943.926	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-151-35	9/29/2022	186944.76	2981029.66	
	RB-E-151-73	9/29/2022	186989.5338	2981056.202	
	RB-E-152-21	9/29/2022	187017.9261	2981096.203	
	RB-E-152-65	9/29/2022	187056.1032	2981123.949	
	RB-E-153-11	9/29/2022	187091.4076	2981158.759	
	RB-E-153-60	9/29/2022	187125.6772	2981195.059	
	RB-E-154-09	9/29/2022	187165.1486	2981225.312	
	RB-E-154-62	9/29/2022	187203.3165	2981257.824	
	RB-E-155-07	9/29/2022	187233.8948	2981290.386	
	RB-E-155-70	9/29/2022	187285.6772	2981333.209	
	RB-E-156-14	9/29/2022	187320.4452	2981366.035	
	RB-E-156-61	9/29/2022	187361.9198	2981392.778	
	RB-E-156-99	9/29/2022	187405.2721	2981414.447	
	RB-E-157-42	9/29/2022	187446.1546	2981425.836	
	RB-E-157-79	9/29/2022	187494.8175	2981433.997	
	RB-E-158-12	9/29/2022	187542.4608	2981421.941	
	RB-E-158-48	9/29/2022	187583.0605	2981394.33	
	RB-E-158-87	9/29/2022	187619.4469	2981363.517	
	RB-E-159-33	9/29/2022	187641.1804	2981318.102	
	RB-E-159-84	9/29/2022	187673.9245	2981287.806	
	RB-E-160-37	9/29/2022	187701.4221	2981247.388	
	RB-E-160-81	9/29/2022	187737.3613	2981218.087	
	RB-E-161-25	9/29/2022	187767.1214	2981181.101	
	RB-E-161-62	9/29/2022	187783.9813	2981136.321	Rejected top due to steep bank
	RB-E-162-12	9/29/2022	187803.2257	2981090.297	
	RB-E-162-64	9/29/2022	187822.8398	2981045.605	
	RB-E-163-09	9/29/2022	187847.5215	2981003.987	
West	RB-W-149-02	9/29/2022	186807.7976	2980799.106	
	RB-W-148-69	9/29/2022	186781.4823	2980819.082	
	RB-W-149-44	9/30/2022	186894.5248	2980805.599	
	RB-W-149-75	9/30/2022	186928.6549	2980842.16	
	RB-W-150-18	9/30/2022	186960.8229	2980877.84	
	RB-W-150-64	9/30/2022	186991.9583	2980916.315	
	RB-W-151-61	9/30/2022	187044.6062	2980998.81	
	RB-W-152-12	9/30/2022	187077.468	2981034.91	
	RB-W-152-63	9/30/2022	187114.9138	2981066.212	
	RB-W-153-16	9/30/2022	187150.9324	2981101.091	
	RB-W-153-65	9/30/2022	187193.2519	2981127.505	
	RB-W-154-16	9/30/2022	187226.1078	2981163.293	
	RB-W-154-61	9/30/2022	187259.3928	2981198.39	
	RB-W-157-34	9/30/2022	187470.8405	2981329.063	
	RB-W-155-10	9/30/2022	187295.9587	2981232.651	
	RB-W-155-63	9/30/2022	187336.5459	2981262.19	
	RB-W-156-18	9/30/2022	187379.4933	2981289.09	
	RB-W-156-74	9/30/2022	187424.5391	2981309.363	
East	RB-E-164-58	10/3/2022	187920.941	2980877.01	
	RB-E-165-11	10/3/2022	187944.27	2980831.431	
	RB-E-167-56	10/3/2022	188057.9424	2980613.797	
	RB-E-168-26	10/3/2022	188079.7166	2980570.002	
	RB-E-169-57	10/3/2022	188183.5094	2980484.234	
	RB-E-170-01	10/3/2022	188213.8804	2980446.942	
	RB-E-170-49	10/3/2022	188248.0759	2980411.487	
	RB-E-172-33	10/3/2022	188354.0829	2980249.477	
	RB-E-172-71	10/3/2022	188370.9149	2980203.962	
	RB-E-173-09	10/3/2022	188382.0884	2980155.05	
	RB-E-174-84	10/3/2022	188265.07	2979999.22	
	RB-E-175-32	10/3/2022	188241.3062	2979954.895	
	RB-E-175-83	10/3/2022	188216.4703	2979912.888	
	RB-E-177-31	10/4/2022	188148.1912	2979779.664	
	RB-E-177-93	10/4/2022	188127.5197	2979734.155	
	RB-E-178-40	10/4/2022	188107.6086	2979687.929	
	RB-E-179-88	10/4/2022	188055.6501	2979547.946	
	RB-E-180-33	10/4/2022	188036.5619	2979502.239	
West	RB-W-170-45	10/4/2022	188178.0744	2980357.171	
	RB-W-169-93	10/4/2022	188145.9051	2980395.299	
	RB-W-167-99	10/4/2022	188007.1843	2980527.503	
	RB-W-167-40	10/4/2022	187962.2264	2980584.85	
	RB-W-166-90	10/4/2022	187938.9554	2980628.359	
	RB-W-164-93	10/4/2022	187859.0097	2980809.488	
	RB-W-164-12	10/4/2022	187822.4041	2980873.906	
East	RB-E-163-60	10/3/2022	187867.3758	2980959.907	
	RB-E-164-15	10/3/2022	187896.5608	2980920.303	
	RB-E-165-55	10/3/2022	187963.1135	2980788.248	Rejected top due to steep bank
	RB-E-166-07	10/3/2022	187988.6709	2980745.069	
	RB-E-166-56	10/3/2022	188012.0042	2980700.818	
	RB-E-167-04	10/3/2022	188035.0582	2980657.944	
	RB-E-168-70	10/3/2022	188113.2809	2980532.973	
East	RB-E-169-26	10/3/2022	188148.6689	2980497.631	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-170-96	10/3/2022	188277.7182	2980371.887	
	RB-E-171-43	10/3/2022	188305.8878	2980335.624	
	RB-E-171-88	10/3/2022	188329.2584	2980290.38	
	RB-E-173-31	10/3/2022	188364.4982	2980112.361	
	RB-E-173-75	10/3/2022	188324.8703	2980080.64	
	RB-E-174-30	10/3/2022	188293.8379	2980041.126	
	RB-E-176-36	10/3/2022	188195.3256	2979867.148	
	RB-E-176-86	10/4/2022	188173.3703	2979822.514	
	RB-E-178-91	10/4/2022	188090.7917	2979640.843	
	RB-E-179-40	10/4/2022	188073.9827	2979594.445	
	RB-E-181-35	10/4/2022	187994.5131	2979411.642	
	RB-E-181-82	10/4/2022	187976.3828	2979366.51	
	RB-E-182-22	10/4/2022	187949.7421	2979325.561	
	RB-E-182-53	10/4/2022	187911.9027	2979299.31	
West	RB-E-182-92	10/4/2022	187863.1304	2979289.035	Rejected top
	RB-W-171-99	10/4/2022	188264.3626	2980236.901	
	RB-W-171-47	10/4/2022	188232.3098	2980273.969	
	RB-W-170-97	10/4/2022	188206.8072	2980317.362	
	RB-W-169-37	10/4/2022	188112.2106	2980432.656	
	RB-W-169-20	10/4/2022	188088.0503	2980437.321	
	RB-W-168-49	10/4/2022	188046.364	2980496.751	
	RB-W-166-42	10/4/2022	187918.5421	2980674.098	
	RB-W-165-90	10/4/2022	187901.3541	2980720.944	
	RB-W-165-40	10/4/2022	187882.4148	2980765.875	
	RB-W-161-11	10/6/2022	187690.2833	2981138.048	Rejected toe
	RB-W-161-74	10/6/2022	187721.1937	2981098.625	Rejected toe
	RB-W-162-69	10/6/2022	187764.3846	2981009.87	
	RB-W-175-18	10/6/2022	188181.2978	2980006.642	
	RB-W-180-08	10/6/2022	187963.1069	2979566.595	
	RB-W-180-63	10/6/2022	187945.0834	2979523.817	
	RB-W-181-30	10/6/2022	187901.656	2979465.015	
	RB-W-172-53	10/6/2022	188289.6234	2980192.804	
	RB-W-179-32	10/6/2022	187997.2525	2979633.141	
	RB-W-175-94	10/6/2022	188140.0744	2979945.118	
	RB-W-178-31	10/6/2022	188029.5166	2979726.045	
	RB-W-158-32	10/6/2022	187525.9743	2981346.184	Adjusted toe and mid 2 feet south to avoid tree
	RB-W-158-99	10/6/2022	187563.7695	2981316.028	
	RB-W-159-49	10/6/2022	187592.5555	2981269.055	Adjusted top, mid, and toe 1 foot south
	RB-W-159-90	10/6/2022	187603.9902	2981226.109	
	RB-W-160-32	10/6/2022	187641.1555	2981192.628	Rejected toe
	RB-W-160-85	10/6/2022	187671.3818	2981154.509	Rejected toe
	RB-W-163-45	10/6/2022	187786.1221	2980938.414	
	RB-W-163-65	10/6/2022	187796.79	2980915.687	
	RB-W-174-04	10/6/2022	188255.9932	2980109.357	
	RB-W-183-12	10/6/2022	187818.0308	2979343.468	
	RB-W-183-78	10/6/2022	187767.2015	2979329.759	
	RB-W-184-04	10/6/2022	187742.1468	2979332.298	
	RB-W-184-28	10/6/2022	187716.865	2979337.666	
	RB-W-184-60	10/6/2022	187677.4681	2979340.256	
	RB-W-173-57	10/6/2022	188288.4849	2980142.232	
	RB-W-175-45	10/6/2022	188166.3244	2979986.533	
	RB-W-178-82	10/6/2022	188011.9441	2979680.406	
	RB-W-176-42	10/6/2022	188113.8829	2979902.402	
	RB-W-176-91	10/6/2022	188091.0565	2979859.033	
	RB-W-177-43	10/6/2022	188063.7603	2979816.53	
	RB-W-177-82	10/6/2022	188042.428	2979774.276	
East	RB-E-183-75	10/6/2022	187770.6273	2979263.878	
	RB-E-184-23	10/6/2022	187719.6809	2979261.856	
	RB-E-184-82	10/6/2022	187675.0704	2979244.202	
	RB-E-185-43	10/6/2022	187626.8888	2979231.371	
	RB-E-187-45	10/6/2022	187506.8985	2979147.547	
	RB-E-188-21	10/6/2022	187512.1715	2979098.692	
	RB-E-188-74	10/6/2022	187540.0035	2979057.143	
	RB-E-185-94	10/6/2022	187582.4742	2979207.791	
	RB-E-186-50	10/6/2022	187537.4792	2979186.396	
	RB-E-189-14	10/6/2022	187568.0362	2979017.208	Rejected top
	RB-E-189-55	10/6/2022	187595.9056	2978982.877	
	RB-E-190-00	10/6/2022	187617.2369	2978938.928	
	RB-E-202-83	10/7/2022	187638.3268	2977663.377	
	RB-E-202-38	10/7/2022	187639.997	2977707.653	
	RB-E-200-89	10/7/2022	187639.5354	2977855.412	
	RB-E-200-33	10/7/2022	187644.1338	2977905.315	Adjusted toe 2 feet to avoid dead deer
West	RB-W-199-81	10/7/2022	187577.0316	2977975.152	
	RB-W-199-33	10/7/2022	187593.3272	2978022.866	
	RB-W-198-76	10/7/2022	187600.0919	2978070.824	
	RB-W-197-12	10/7/2022	187600.0027	2978222.418	
East	RB-E-192-53	10/7/2022	187625.5968	2978665.178	
	RB-E-193-09	10/7/2022	187615.8481	2978617.87	
	RB-E-194-10	10/7/2022	187610.629	2978523.82	Rejected top

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-195-15	10/7/2022	187627.8721	2978426.319	
	RB-E-195-64	10/7/2022	187638.7549	2978377.155	
West	RB-W-185-95	10/7/2022	187540.2315	2979292.069	
	RB-W-186-36	10/7/2022	187500.0882	2979266.541	
	RB-W-186-74	10/7/2022	187462.0551	2979239.911	
	RB-W-187-88	10/7/2022	187434.6986	2979088.018	
	RB-W-188-32	10/7/2022	187466.6457	2979050.704	
	RB-W-188-55	10/7/2022	187484.1315	2979032.826	
	RB-W-190-45	10/7/2022	187548.6658	2978876.282	
	RB-W-190-94	10/7/2022	187551.3673	2978826.681	
	RB-W-191-54	10/7/2022	187556.6816	2978778.472	
	RB-W-192-07	10/7/2022	187547.7318	2978728.125	
	RB-W-195-11	10/7/2022	187547.8545	2978412.023	
East	RB-E-201-93	10/7/2022	187636.6132	2977756.417	
	RB-E-201-41	10/7/2022	187635.7155	2977806.434	
	RB-E-199-85	10/7/2022	187666.6338	2977946.497	
	RB-E-199-31	10/7/2022	187676.5672	2977997.518	Rejected toe
West	RB-W-198-22	10/7/2022	187605.2405	2978121.321	
	RB-W-197-63	10/7/2022	187604.4318	2978172.014	
East	RB-E-193-59	10/7/2022	187617.5315	2978573.139	
	RB-E-194-61	10/7/2022	187613.2258	2978473.768	
	RB-E-196-20	10/7/2022	187649.0757	2978329.384	
	RB-E-196-68	10/7/2022	187666.6551	2978282.906	
	RB-E-197-11	10/7/2022	187679.5662	2978235.551	Rejected top
West	RB-W-185-04	10/7/2022	187628.2024	2979338.037	
	RB-W-185-70	10/7/2022	187561.8269	2979304.491	
	RB-W-186-90	10/7/2022	187442.8915	2979224.986	
	RB-W-187-14	10/7/2022	187429.2881	2979204.224	
	RB-W-187-75	10/7/2022	187425.1989	2979110.212	
	RB-W-189-08	10/7/2022	187510.9054	2978993.98	
	RB-W-189-35	10/7/2022	187516.8546	2978969.281	
	RB-W-189-79	10/7/2022	187530.0766	2978923.83	
	RB-W-192-61	10/7/2022	187540.2269	2978678.632	
	RB-W-193-03	10/7/2022	187527.8932	2978633.091	
	RB-W-193-71	10/7/2022	187526.1091	2978558.563	
	RB-W-194-66	10/7/2022	187538.8453	2978458.981	
East	RB-E-204-89	10/10/2022	187504.2489	2977466.512	
	RB-E-205-28	10/10/2022	187462.2434	2977440.742	
	RB-E-205-67	10/10/2022	187414.3951	2977430.493	
	RB-E-206-79	10/10/2022	187274.8173	2977452.163	
	RB-E-207-08	10/10/2022	187250.5562	2977495.705	
	RB-E-203-23	10/10/2022	187629.583	2977615.685	
	RB-E-203-62	10/10/2022	187604.9777	2977572.174	
	RB-E-206-07	10/10/2022	187368.3329	2977430.988	
	RB-E-206-47	10/10/2022	187319.3107	2977435.379	
	RB-E-207-45	10/10/2022	187245.0871	2977542.486	
	RB-E-207-94	10/10/2022	187243.7327	2977592.733	
	RB-E-208-41	10/10/2022	187242.4978	2977641.98	
	RB-E-210-43	10/10/2022	187223.1458	2977837.462	Rejected top due to steep bank
	RB-E-210-97	10/10/2022	187213.9231	2977887.055	
	RB-E-211-46	10/10/2022	187197.636	2977932.519	
	RB-E-212-01	10/10/2022	187177.3483	2977976.668	
	RB-E-212-53	10/10/2022	187161.0876	2978016.051	
West	RB-W-206-43	10/10/2022	187341.1745	2977510.788	
	RB-W-207-42	10/10/2022	187306.917	2977546.496	
	RB-W-207-93	10/10/2022	187312.1361	2977594.659	
	RB-W-208-45	10/10/2022	187311.7077	2977643.525	
	RB-W-208-91	10/10/2022	187312.0259	2977692.645	
	RB-W-209-42	10/10/2022	187315.0961	2977743.294	
East	RB-E-190-22	10/10/2022	187624.8927	2978914.366	
	RB-E-190-76	10/10/2022	187630.603	2978859.236	Adjusted top 2 feet north to avoid tree
	RB-E-197-97	10/10/2022	187687.1292	2978142.521	
	RB-E-198-44	10/10/2022	187690.4651	2978093.722	
	RB-E-198-89	10/10/2022	187688.886	2978044.212	
West	RB-W-202-11	10/10/2022	187548.2213	2977735.316	
	RB-W-202-65	10/10/2022	187545.7111	2977685.453	
	RB-W-203-32	10/10/2022	187536.6888	2977635.99	
	RB-W-203-97	10/10/2022	187513.9576	2977587.392	
	RB-W-209-87	10/11/2022	187305.956	2977790.538	
	RB-W-211-19	10/11/2022	187286.6667	2977929.599	
	RB-W-211-64	10/11/2022	187272.6523	2977974.576	Rejected top due to steep bank
	RB-W-212-12	10/11/2022	187254.1448	2978020.505	Adjusted top, mid, and toe 3 feet south to avoid brush
	RB-W-214-60	10/11/2022	187139.4127	2978242.012	
	RB-W-215-11	10/11/2022	187117.25	2978286.319	
	RB-W-215-57	10/11/2022	187090.6533	2978325.694	
	RB-W-216-01	10/11/2022	187061.5018	2978366.369	
	RB-W-217-62	10/11/2022	186891.695	2978452.776	
	RB-W-218-09	10/11/2022	186841.639	2978454.79	
	RB-W-220-14	10/11/2022	186647.3583	2978340.023	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
West (cont.)	RB-W-220-65	10/11/2022	186614.2438	2978303.387	
	RB-W-221-10	10/11/2022	186579.0454	2978267.507	
	RB-W-222-44	10/11/2022	186490.3878	2978151.716	
East	RB-E-191-20	10/10/2022	187640.7657	2978812.729	Adjusted top, mid, and toe 3 feet north to avoid tree
	RB-E-191-60	10/10/2022	187639.7821	2978764.989	
	RB-E-192-30	10/10/2022	187629.4619	2978690.531	
	RB-E-197-56	10/10/2022	187697.0022	2978190.056	
West	RB-W-200-28	10/10/2022	187562.3824	2977927.57	
	RB-W-200-74	10/10/2022	187548.076	2977881.469	
	RB-W-201-17	10/10/2022	187546.1081	2977833.417	
	RB-W-201-62	10/10/2022	187545.2899	2977784.564	
	RB-W-204-58	10/10/2022	187483.8832	2977551.396	
	RB-W-204-81	10/10/2022	187460.5144	2977539.805	
	RB-W-205-45	10/10/2022	187415.8016	2977519.98	
	RB-W-206-09	10/10/2022	187367.1708	2977508.567	
	RB-W-210-29	10/11/2022	187311.3212	2977836.084	
	RB-W-210-76	10/11/2022	187301.6316	2977883.456	
	RB-W-212-57	10/11/2022	187230.9221	2978064.638	
	RB-W-213-09	10/11/2022	187208.7571	2978109.623	Adjusted top, mid, and toe 2 feet north to avoid brush
	RB-W-213-59	10/11/2022	187183.0813	2978151.956	
	RB-W-214-07	10/11/2022	187159.7598	2978196.152	
	RB-W-216-38	10/11/2022	187028.8211	2978399.762	Rejected top due to steep bank
	RB-W-216-77	10/11/2022	186985.2913	2978423.043	Rejected top due to brush
	RB-W-217-21	10/11/2022	186940.0637	2978442.219	
	RB-W-218-48	10/11/2022	186795.9466	2978447.177	
	RB-W-218-81	10/11/2022	186748.382	2978444.057	
	RB-W-219-22	10/11/2022	186712.5681	2978413.4	
	RB-W-219-64	10/11/2022	186684.2289	2978374.025	
	RB-W-221-59	10/11/2022	186548.7856	2978229.232	
	RB-W-222-04	10/11/2022	186514.478	2978195.93	
	RB-W-223-57	10/12/2022	186502.3159	2978012.689	Rejected top due to steep bank
	RB-W-223-90	10/12/2022	186535.3329	2977977.773	Rejected top due to steep bank
	RB-W-224-46	10/12/2022	186604.4102	2977957.767	Rejected top due to steep bank
	RB-W-226-03	10/12/2022	186752.3823	2977936.528	
	RB-W-226-60	10/12/2022	186792.776	2977910.999	
	RB-W-227-02	10/12/2022	186841.8152	2977899.655	
	RB-W-227-62	10/12/2022	186888.7318	2977884.01	
	RB-W-228-26	10/12/2022	186929.2163	2977852.693	
	RB-W-230-69	10/12/2022	186938.8127	2977666.389	
	RB-W-231-26	10/12/2022	186922.2839	2977618.262	
	RB-W-231-84	10/12/2022	186898.4736	2977575.019	
	RB-W-234-33	10/12/2022	186724.7951	2977423.482	
	RB-W-235-18	10/12/2022	186654.8625	2977423.944	
	RB-W-235-37	10/12/2022	186612.0348	2977396.39	
	RB-W-235-79	10/12/2022	186587.6353	2977329.052	
	RB-W-238-44	10/12/2022	186745.1373	2977135.7	
	RB-W-239-16	10/12/2022	186768.0414	2977091.538	
	RB-W-239-81	10/12/2022	186754.7068	2977044.409	
	RB-W-240-32	10/12/2022	186731.4204	2977000.505	
	RB-W-222-83	10/12/2022	186480.9308	2978105.769	
	RB-W-224-92	10/12/2022	186652.3632	2977948.355	
	RB-W-225-44	10/12/2022	186702.2499	2977943.262	
	RB-W-229-04	10/12/2022	186957.2441	2977812.84	
	RB-W-229-66	10/12/2022	186956.7707	2977762.685	
	RB-W-230-17	10/12/2022	186949.213	2977715.449	
	RB-W-232-41	10/12/2022	186869.4959	2977534.42	
	RB-W-232-90	10/12/2022	186835.1089	2977497.769	
	RB-W-233-45	10/12/2022	186802.0125	2977461.751	
	RB-W-233-96	10/12/2022	186762.0969	2977431.921	
	RB-W-236-47	10/12/2022	186587.8436	2977232.994	
	RB-W-236-95	10/12/2022	186646.2372	2977192.614	
	RB-W-241-06	10/12/2022	186699.5983	2976962.668	
	RB-W-241-66	10/12/2022	186653.0748	2976948.218	
	RB-W-242-14	10/13/2022	186603.2816	2976940.917	
	RB-W-242-63	10/13/2022	186554.7817	2976931.047	
	RB-W-243-20	10/13/2022	186505.6227	2976923.776	
	RB-W-244-90	10/13/2022	186339.4904	2976966.358	
	RB-W-245-18	10/13/2022	186295.0972	2976946.652	
East	RB-E-214-48	10/13/2022	187066.0838	2978190.786	
	RB-E-214-98	10/13/2022	187043.2774	2978233.775	
West	RB-W-243-90	10/13/2022	186469.0299	2976943.736	
	RB-W-244-18	10/13/2022	186450.4003	2976986.731	
	RB-W-245-59	10/13/2022	186259.5428	2976912.587	
East	RB-W-246-04	10/13/2022	186226.8352	2976876.24	
	RB-E-212-99	10/13/2022	187140.8307	2978062.571	
	RB-E-213-50	10/13/2022	187116.9777	2978107.099	
	RB-E-214-02	10/13/2022	187087.6979	2978146.187	
	RB-E-215-47	10/13/2022	187022.2483	2978278.159	
	RB-E-216-02	10/13/2022	186992.3376	2978320.08	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-216-78	10/13/2022	186955.3639	2978355.365	
	RB-E-217-36	10/13/2022	186901.3709	2978372.331	
	RB-E-219-83	10/13/2022	186723.7567	2978311.011	
	RB-E-220-29	10/13/2022	186693.9704	2978273.479	
	RB-E-220-77	10/13/2022	186657.8766	2978235.741	
	RB-E-221-31	10/13/2022	186626.6191	2978200.843	
	RB-E-221-80	10/13/2022	186596.1195	2978160.036	
	RB-E-225-25	10/13/2022	186685.4041	2978033.215	
	RB-E-225-68	10/13/2022	186735.2442	2978030.087	
	RB-E-226-14	10/13/2022	186784.2097	2978020.701	
	RB-E-226-56	10/13/2022	186829.6292	2978001.958	
	RB-E-217-98	10/13/2022	186856.3756	2978378.343	
	RB-E-218-57	10/13/2022	186807.186	2978365.966	
	RB-E-219-29	10/13/2022	186760.2954	2978346.764	
	RB-E-222-46	10/13/2022	186569.5087	2978117.911	
	RB-E-223-22	10/13/2022	186557.9808	2978066.894	
	RB-E-224-14	10/13/2022	186588.0598	2978025.435	
	RB-E-224-77	10/13/2022	186635.4321	2978026.348	
	RB-E-227-75	10/20/2022	186943.8147	2977959.434	
	RB-E-233-33	10/20/2022	186853.0714	2977417.287	
	RB-E-233-81	10/20/2022	186812.0387	2977388.618	
	RB-E-245-43	10/20/2022	186332.9403	2976863.21	
	RB-E-244-85	10/20/2022	186357.3083	2976869.072	
	RB-E-244-42	10/20/2022	186383.4001	2976867.657	
	RB-E-241-42	10/20/2022	186692.8893	2976881.555	Adjusted top, mid, and toe 2 feet north due to steep bank
	RB-E-240-90	10/20/2022	186754.0933	2976908.186	
	RB-E-239-63	10/20/2022	186835.9507	2977029.156	
	RB-E-239-41	10/20/2022	186842.4796	2977051.135	
	RB-E-239-06	10/20/2022	186851.7726	2977099.416	
	RB-E-227-34	10/20/2022	186900.3174	2977980.605	
	RB-E-227-53	10/20/2022	186923.3882	2977971.903	
	RB-E-228-65	10/20/2022	187027.2656	2977872.941	
	RB-E-229-04	10/20/2022	187035.9543	2977826.602	
	RB-E-245-98	10/20/2022	186298.5522	2976825.395	
	RB-E-245-68	10/20/2022	186316.311	2976844.588	
	RB-E-243-96	10/20/2022	186408.7085	2976865.381	
	RB-E-243-78	10/20/2022	186429.9125	2976857.699	
	RB-E-243-65	10/20/2022	186453.8541	2976850.684	
	RB-E-242-81	10/20/2022	186555.989	2976849.038	Adjusted top, mid, and toe 3 feet north due to steep bank
	RB-E-240-53	10/20/2022	186783.11	2976946.891	
	RB-E-240-06	10/20/2022	186809.9705	2976987.77	
	RB-E-234-23	10/21/2022	186773.0952	2977358.091	
	RB-E-234-44	10/21/2022	186751.2258	2977346.473	
	RB-E-235-94	10/21/2022	186667.5367	2977296.982	
	RB-E-233-54	10/21/2022	186832.2149	2977403.011	
	RB-E-232-85	10/21/2022	186889.9979	2977450.761	
	RB-E-232-60	10/21/2022	186908.0333	2977466.817	
	RB-E-234-65	10/21/2022	186728.2584	2977337.451	
	RB-E-234-85	10/21/2022	186703.16	2977329.075	Rejected top due to steep bank
	RB-E-235-05	10/21/2022	186683.9077	2977316.943	
	RB-E-236-76	10/21/2022	186670.433	2977270.032	
	RB-E-237-05	10/21/2022	186692.5547	2977255.579	
	RB-E-234-03	10/21/2022	186793.0857	2977372.233	
	RB-E-232-36	10/21/2022	186926.2964	2977484.096	Adjusted top, mid, and toe 2 feet south
	RB-E-232-14	10/21/2022	186940.3101	2977504.228	
	RB-E-228-53	10/24/2022	187013.537	2977893.489	
	RB-E-228-33	10/24/2022	186994.3851	2977908.343	
	RB-E-226-31	10/24/2022	186807.0013	2978011.537	
	RB-E-225-90	10/24/2022	186759.5795	2978026.257	
	RB-E-225-49	10/24/2022	186710.386	2978031.738	
	RB-E-225-04	10/24/2022	186661.2398	2978029.502	
West	RB-W-226-36	10/24/2022	186772.8826	2977921.607	
	RB-W-226-81	10/24/2022	186816.7792	2977905.044	
	RB-W-227-96	10/24/2022	186911.3062	2977870.349	
	RB-W-228-69	10/24/2022	186946.23	2977834.545	
	RB-W-229-38	10/24/2022	186965.1444	2977787.884	
	RB-W-232-12	10/24/2022	186885.5602	2977554.604	
	RB-W-232-66	10/24/2022	186852.641	2977515.402	
	RB-W-233-16	10/24/2022	186816.126	2977480.142	
	RB-W-233-68	10/24/2022	186782.753	2977446.313	
	RB-W-234-25	10/24/2022	186739.1507	2977421.108	
	RB-W-239-54	10/24/2022	186765.9394	2977066.681	
	RB-W-240-09	10/24/2022	186741.4805	2977023.403	
East	RB-E-228-87	10/24/2022	187034.3588	2977851.501	
	RB-E-229-22	10/24/2022	187036.5169	2977802.531	
	RB-E-228-09	10/24/2022	186978.1076	2977928.994	
	RB-E-227-91	10/24/2022	186963.2835	2977947.206	
	RB-E-227-13	10/24/2022	186875.9418	2977985.556	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-226-84	10/24/2022	186854.5386	2977994.309	
	RB-E-221-56	10/24/2022	186612.0434	2978180.224	
	RB-E-238-02	10/24/2022	186785.7799	2977239.407	
	RB-E-237-88	10/24/2022	186766.0237	2977243.953	
	RB-E-237-65	10/24/2022	186741.3043	2977248.047	
West	RB-W-227-28	10/24/2022	186865.7377	2977893.407	
	RB-W-229-91	10/24/2022	186954.1838	2977740.117	
	RB-W-230-94	10/24/2022	186930.3085	2977642.408	
	RB-W-231-50	10/24/2022	186910.6071	2977594.172	
	RB-W-235-10	10/24/2022	186669.5449	2977443.507	
	RB-W-235-29	10/24/2022	186634.483	2977408.837	
	RB-W-236-58	10/24/2022	186601.8525	2977214.392	
	RB-W-241-36	10/24/2022	186676.9274	2976950.98	
East	RB-E-008-74	9/2/2022	183652.0965	2987528.187	Rejected top; adjusted toe and mid 2 feet to south
	RB-E-222-11	10/25/2022	186581.9808	2978139.625	
	RB-E-222-81	10/25/2022	186561.3381	2978093.772	
	RB-E-220-04	10/25/2022	186711.8549	2978290.675	
	RB-E-219-51	10/25/2022	186742.4319	2978328.845	
	RB-E-217-72	10/25/2022	186884.4352	2978373.117	
	RB-E-217-03	10/25/2022	186930.8252	2978366.003	
	RB-E-214-71	10/25/2022	187054.9634	2978211.59	
	RB-E-214-25	10/25/2022	187075.6957	2978167.6	
	RB-E-216-40	10/25/2022	186975.0922	2978337.959	
	RB-E-213-75	10/25/2022	187104.0683	2978128.423	
	RB-E-211-26	10/25/2022	187204.9113	2977908.375	
	RB-E-210-71	10/25/2022	187219.6796	2977861.494	
West	RB-W-243-51	10/25/2022	186479.7428	2976924.228	
	RB-W-244-04	10/25/2022	186465.3307	2976966.83	
	RB-W-244-24	10/25/2022	186431.2229	2977001.284	
	RB-W-242-91	10/25/2022	186529.6049	2976928.43	
	RB-W-222-65	10/25/2022	186483.2746	2978130.129	
	RB-W-221-83	10/25/2022	186531.3149	2978212.157	
East	RB-E-008-74	10/24/2022	183652.0965	2987528.187	Rejected top; adjusted toe and mid 2 feet to south
	RB-E-223-67	10/25/2022	186566.7413	2978041.181	
	RB-E-224-55	10/25/2022	186612.5886	2978022.881	
	RB-E-221-05	10/25/2022	186645.5095	2978217.714	
	RB-E-215-78	10/25/2022	187008.4806	2978300.984	
	RB-E-213-25	10/25/2022	187129.9262	2978084.946	
	RB-E-212-75	10/25/2022	187149.5954	2978038.533	
	RB-E-212-25	10/25/2022	187171.7201	2977994.694	
	RB-E-211-77	10/25/2022	187190.7574	2977956.445	
	RB-E-208-67	10/25/2022	187245.3207	2977666.725	
	RB-E-208-16	10/25/2022	187241.5109	2977617.011	
	RB-E-207-66	10/25/2022	187245.5083	2977567.585	
West	RB-W-242-37	10/25/2022	186578.8269	2976936.833	
	RB-W-222-24	10/25/2022	186502.978	2978173.438	
	RB-W-221-35	10/25/2022	186561.9414	2978249.522	
	RB-W-220-86	10/25/2022	186597.5188	2978284.621	
West	RB-W-220-37	10/25/2022	186631.1326	2978321.812	
	RB-W-219-86	10/25/2022	186665.8605	2978357.289	
	RB-W-219-40	10/25/2022	186701.0731	2978391.741	
	RB-W-219-01	10/25/2022	186728.9864	2978431.927	
	RB-W-218-70	10/25/2022	186771.383	2978445.246	
	RB-W-218-26	10/25/2022	186820.9862	2978449.504	
	RB-W-217-86	10/25/2022	186866.7496	2978453.637	
	RB-W-217-41	10/25/2022	186915.713	2978446.811	
East	RB-E-216-57	10/25/2022	187006.767	2978410.473	
	RB-E-207-24	10/26/2022	187246.236	2977517.814	
	RB-E-206-91	10/26/2022	187261.0345	2977472.645	
	RB-E-206-65	10/26/2022	187296.2743	2977442.201	
	RB-E-206-28	10/26/2022	187343.1718	2977433.354	
	RB-E-205-90	10/26/2022	187390.7787	2977426.636	
	RB-E-203-00	10/26/2022	187633.7336	2977638.361	
	RB-E-200-59	10/26/2022	187640.0039	2977881.066	
	RB-E-200-03	10/26/2022	187650.6601	2977929.214	
	RB-E-199-52	10/26/2022	187663.4363	2977976.137	
	RB-E-199-12	10/26/2022	187685.2614	2978020.661	
	RB-E-198-65	10/26/2022	187691.3116	2978069.007	
	RB-E-196-44	10/26/2022	187658.5629	2978306.382	
	RB-E-195-90	10/26/2022	187642.769	2978354.047	
	RB-E-195-40	10/26/2022	187632.2716	2978401.734	
	RB-E-194-90	10/26/2022	187618.9472	2978449.407	
	RB-E-194-35	10/26/2022	187610.1651	2978498.849	
	RB-E-191-39	10/26/2022	187640.9921	2978788.051	
	RB-E-203-40	10/26/2022	187618.2615	2977593.434	
	RB-E-202-61	10/26/2022	187639.4898	2977686.468	
	RB-E-202-20	10/26/2022	187634.3461	2977731.341	
	RB-E-201-70	10/26/2022	187635.1811	2977780.795	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-201-15	10/26/2022	187638.8392	2977830.914	
	RB-E-198-21	10/26/2022	187684.2361	2978117.337	
	RB-E-197-80	10/26/2022	187695.2279	2978165.428	
	RB-E-197-35	10/26/2022	187689.1495	2978211.993	
	RB-E-196-92	10/26/2022	187674.5373	2978258.833	
	RB-E-193-82	10/26/2022	187614.6995	2978548.902	
	RB-E-193-32	10/26/2022	187619.6401	2978595.669	
	RB-E-192-07	10/26/2022	187631.4222	2978715.611	
	RB-E-191-82	10/26/2022	187635.2142	2978740.475	
	RB-E-190-98	10/27/2022	187637.5889	2978835.183	
	RB-E-190-41	10/27/2022	187630.2907	2978892.894	
	RB-E-189-81	10/27/2022	187608.4059	2978962.129	
	RB-E-187-92	10/27/2022	187501.4451	2979121.117	
	RB-E-186-83	10/27/2022	187519.8214	2979167.257	
	RB-E-186-22	10/27/2022	187558.4726	2979201.183	
	RB-E-185-69	10/27/2022	187604.6083	2979218.45	
	RB-E-185-09	10/27/2022	187650.604	2979238.708	
	RB-E-184-53	10/27/2022	187699.2315	2979247.762	
	RB-E-183-98	10/27/2022	187739.9535	2979269.748	
	RB-E-182-36	10/27/2022	187933.2271	2979309.015	
	RB-E-182-02	10/27/2022	187964.8668	2979346.001	
	RB-E-181-60	10/27/2022	187986.703	2979389.866	
	RB-E-181-07	10/27/2022	188005.2	2979434.3	
	RB-E-180-58	10/27/2022	188026.718	2979479.099	
	RB-E-180-14	10/27/2022	188047.3929	2979524.296	
	RB-E-179-65	10/27/2022	188065.2947	2979571.38	
	RB-E-179-16	10/27/2022	188084.0201	2979617.505	
	RB-E-178-65	10/27/2022	188099.9453	2979664.576	
	RB-E-178-18	10/27/2022	188117.9961	2979710.9	
	RB-E-177-61	10/27/2022	188138.1355	2979757.08	
	RB-E-177-07	10/27/2022	188160.808	2979801.326	
	RB-E-176-59	10/27/2022	188186.7833	2979843.26	
	RB-E-160-12	10/28/2022	187682.6839	2981264.291	
	RB-E-155-90	10/28/2022	187302.0925	2981349.719	
	RB-E-156-37	10/28/2022	187341.122	2981379.636	
	RB-E-156-84	10/28/2022	187385.0677	2981402.469	
	RB-E-157-20	10/28/2022	187421.9086	2981419.42	
	RB-E-158-69	10/28/2022	187602.7455	2981379.014	
	RB-E-158-29	10/28/2022	187563.3656	2981410.265	
	RB-E-159-55	10/28/2022	187650.6131	2981300.273	
	RB-E-160-60	10/28/2022	187723.4171	2981235.249	
	RB-E-161-04	10/28/2022	187749.966	2981201.208	
	RB-E-154-87	10/28/2022	187221.8752	2981274.082	
	RB-E-154-36	10/28/2022	187184.0258	2981241.822	
	RB-E-153-85	10/28/2022	187144.9324	2981210.805	
	RB-E-153-36	10/28/2022	187107.4882	2981177.926	
West	RB-W-216-18	10/28/2022	187047.8479	2978386.976	
	RB-W-215-76	10/28/2022	187075.547	2978346.638	
	RB-W-215-32	10/28/2022	187103.1441	2978306.056	
	RB-W-214-83	10/28/2022	187128.0732	2978264.12	
	RB-W-214-33	10/28/2022	187148.4895	2978218.721	
	RB-W-213-84	10/28/2022	187170.5938	2978173.682	
	RB-W-212-85	10/28/2022	187218.9355	2978086.658	
	RB-W-212-37	10/28/2022	187243.3571	2978043.099	
	RB-W-211-88	10/28/2022	187264.1448	2977997.569	
	RB-W-211-48	10/28/2022	187282.7166	2977953.505	
	RB-W-210-98	10/28/2022	187295.3314	2977907.092	
	RB-W-210-56	10/28/2022	187307.6942	2977858.801	
	RB-W-210-08	10/28/2022	187307.3146	2977813.61	
	RB-W-209-64	10/28/2022	187313.1525	2977766.357	
	RB-W-209-16	10/28/2022	187314.146	2977718.089	
	RB-W-208-69	10/28/2022	187311.3205	2977669.127	
	RB-W-208-20	10/28/2022	187313.3205	2977619.878	
	RB-W-207-72	10/28/2022	187310.4819	2977569.669	
East	RB-W-207-07	10/28/2022	187317.3172	2977521.673	
	RB-E-157-95	10/28/2022	187518.494	2981429.008	
	RB-E-157-64	10/28/2022	187469.9659	2981433.352	
	RB-E-159-07	10/28/2022	187629.3947	2981343.078	
	RB-E-161-87	10/28/2022	187790.7651	2981111.282	
	RB-E-162-36	10/28/2022	187809.4078	2981067.343	
	RB-E-162-84	10/28/2022	187837.6298	2981026.39	
	RB-E-155-30	10/28/2022	187253.7465	2981305.247	
	RB-E-152-86	10/28/2022	187074.7104	2981140.581	
	RB-E-152-39	10/28/2022	187036.224	2981110.07	
	RB-E-167-99	10/31/2022	188066.277	2980586.351	
	RB-E-168-46	10/31/2022	188096.7172	2980551.897	
	RB-E-168-95	10/31/2022	188131.7864	2980516.271	
	RB-E-171-67	10/31/2022	188318.1978	2980312.959	
	RB-E-172-11	10/31/2022	188343.2338	2980269.456	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-172-57	10/31/2022	188364.6025	2980225.899	
	RB-E-172-89	10/31/2022	188377.0513	2980179.282	
	RB-E-173-20	10/31/2022	188376.8899	2980131.206	
	RB-E-166-30	10/31/2022	187999.4126	2980722.72	
	RB-E-166-83	10/31/2022	188023.9228	2980679.069	
	RB-E-167-29	10/31/2022	188048.592	2980636.394	
	RB-E-169-48	10/31/2022	188167.6886	2980481.724	
	RB-E-169-80	10/31/2022	188197.9953	2980465.992	
	RB-E-170-26	10/31/2022	188230.0831	2980428.198	
	RB-E-170-71	10/31/2022	188263.3823	2980391.48	
	RB-E-171-14	10/31/2022	188291.2192	2980350.075	
	RB-E-174-54	10/31/2022	188279.064	2980020.872	
	RB-E-174-00	10/31/2022	188309.5055	2980059.891	
	RB-E-175-12	10/31/2022	188252.9794	2979977.348	
	RB-E-175-59	10/31/2022	188228.9598	2979933.468	
West	RB-W-204-22	10/31/2022	187501.8881	2977572.574	
	RB-W-203-60	10/31/2022	187529.7341	2977610.746	
	RB-W-199-04	10/31/2022	187595.9561	2978047.656	
	RB-W-198-47	10/31/2022	187604.4499	2978096.888	
	RB-W-192-33	10/31/2022	187545.2141	2978702.973	
	RB-W-191-83	10/31/2022	187549.1822	2978752.804	
	RB-W-186-58	10/31/2022	187480.6548	2979256.478	
	RB-W-186-15	10/31/2022	187517.0117	2979281.798	
	RB-W-185-45	10/31/2022	187584.6369	2979314.951	
East	RB-E-173-49	10/31/2022	188344.2515	2980097.06	
	RB-E-176-10	10/31/2022	188205.8181	2979889.669	
West	RB-W-205-15	10/31/2022	187439.2254	2977527.587	
	RB-W-200-08	10/31/2022	187567.4942	2977952.364	
	RB-W-199-59	10/31/2022	187585.714	2977998.53	
	RB-W-192-83	10/31/2022	187534.0038	2978656.172	
	RB-W-193-24	10/31/2022	187528.2364	2978608.021	
	RB-W-197-96	10/31/2022	187606.4945	2978146	
	RB-W-191-21	10/31/2022	187554.6609	2978804.919	
	RB-W-189-57	10/31/2022	187519.036	2978945.482	
	RB-W-185-22	10/31/2022	187606.0857	2979327.433	
	RB-W-197-36	10/31/2022	187603.9125	2978196.475	
East	RB-E-151-97	11/2/2022	187005.1709	2981073.331	
	RB-E-151-53	11/2/2022	186966.1844	2981044.21	
	RB-E-148-97	11/2/2022	186850.6859	2980903.963	
	RB-E-148-77	11/2/2022	186826.1735	2980905.235	
	RB-E-148-39	11/2/2022	186779.3731	2980923.412	
	RB-E-148-59	11/2/2022	186802.7923	2980914.499	
	RB-E-147-70	11/2/2022	186683.1981	2980911.739	
	RB-E-146-28	11/2/2022	186611.1261	2980771.89	
	RB-E-145-100	11/2/2022	186598.5195	2980750.192	
	RB-E-145-48	11/2/2022	186562.8328	2980716.509	
	RB-E-142-35	11/2/2022	186428.9939	2980647.407	
	RB-E-142-19	11/2/2022	186434.5788	2980670.361	
	RB-E-141-100	11/2/2022	186437.3518	2980695.156	
West	RB-W-176-18	11/2/2022	188127.373	2979923.521	
	RB-W-184-81	11/2/2022	187652.1033	2979343.515	
	RB-W-175-71	11/2/2022	188152.7007	2979964.448	
	RB-W-174-25	11/2/2022	188238.9591	2980087.19	
East	RB-E-150-76	11/2/2022	186950.7186	2980963.024	
	RB-E-150-24	11/2/2022	186915.8131	2980926.993	
	RB-E-149-64	11/2/2022	186874.8568	2980898.386	
	RB-E-148-01	11/2/2022	186730.4345	2980928.731	
	RB-E-148-18	11/2/2022	186755.1707	2980926.925	
	RB-E-147-34	11/2/2022	186645.1621	2980889.997	
	RB-E-147-04	11/2/2022	186616.3764	2980852.105	
	RB-E-146-63	11/2/2022	186607.8547	2980804.455	
	RB-E-144-76	11/2/2022	186508.8159	2980667.56	
	RB-E-142-93	11/2/2022	186436.0575	2980625.436	
West	RB-W-176-69	11/2/2022	188100.5332	2979880.361	
	RB-W-177-20	11/2/2022	188076.7534	2979837.438	
	RB-W-177-64	11/2/2022	188047.1954	2979797.708	
	RB-W-184-45	11/2/2022	187694.0071	2979342.293	
	RB-W-174-95	11/2/2022	188193.7955	2980028.917	
	RB-W-174-73	11/2/2022	188208.8909	2980047.253	
	RB-W-174-51	11/2/2022	188224.6881	2980066.411	
	RB-W-173-01	11/2/2022	188293.6109	2980167.315	
	RB-W-172-26	11/2/2022	188278.5003	2980215.245	
	RB-W-167-18	11/2/2022	187949.9695	2980605.967	
	RB-W-167-65	11/2/2022	187976.4111	2980563.913	
	RB-W-166-65	11/2/2022	187929.1323	2980651.187	
	RB-W-166-18	11/2/2022	187912.3095	2980697.539	
	RB-W-165-65	11/2/2022	187890.1494	2980741.987	
	RB-W-173-79	11/2/2022	188271.0204	2980123.781	
	RB-W-171-71	11/2/2022	188247.3193	2980255.647	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
West (cont.)	RB-W-171-26	11/2/2022	188221.4696	2980296.672	
	RB-W-170-73	11/2/2022	188193.7935	2980337.079	
	RB-W-170-18	11/2/2022	188161.7135	2980376.181	
	RB-W-169-64	11/2/2022	188129.7677	2980414.401	
East	RB-E-141-65	11/3/2022	186430.3144	2980744.001	
	RB-E-141-24	11/3/2022	186411.7003	2980789.721	
	RB-E-141-07	11/3/2022	186392.4415	2980811.951	
	RB-E-140-62	11/3/2022	186355.3615	2980844	
	RB-E-140-28	11/3/2022	186314.4163	2980860.985	
	RB-E-139-84	11/3/2022	186265.2898	2980864.624	
	RB-E-139-34	11/3/2022	186217.5363	2980874.272	
	RB-E-138-86	11/3/2022	186167.2588	2980881.931	
	RB-E-138-26	11/3/2022	186120.0289	2980900.391	
	RB-E-136-38	11/3/2022	186119.4837	2980978.917	
	RB-E-136-80	11/3/2022	186098.403	2980965.868	
	RB-E-137-19	11/3/2022	186090.5933	2980941.231	
	RB-E-136-11	11/3/2022	186139.9794	2980992.971	
	RB-E-135-92	11/3/2022	186161.5085	2981004.571	
West	RB-W-165-18	11/3/2022	187871.4414	2980788.399	
	RB-W-162-97	11/3/2022	187771.2231	2980985.577	
	RB-W-161-46	11/3/2022	187707.4592	2981119.867	
	RB-W-159-24	11/3/2022	187578.2911	2981294.474	
	RB-W-155-38	11/3/2022	187315.9386	2981248.824	
	RB-W-154-86	11/3/2022	187276.1956	2981217.474	
	RB-W-154-37	11/3/2022	187243.6209	2981178.916	
	RB-W-153-90	11/3/2022	187208.7859	2981144.732	
	RB-W-151-87	11/3/2022	187060.9946	2981017.123	
	RB-W-152-42	11/3/2022	187097.3813	2981050.579	
	RB-W-149-42	11/3/2022	186872.6511	2980796.26	
	RB-W-150-85	11/3/2022	187005.8467	2980934.514	
	RB-W-151-08	11/3/2022	187013.5685	2980958.546	
East	RB-E-135-57	11/3/2022	186195.9169	2981038.129	
	RB-E-135-15	11/3/2022	186218.3463	2981082.033	
	RB-E-134-67	11/3/2022	186236.3342	2981128.074	
West	RB-W-164-41	11/3/2022	187838.0311	2980854.553	
	RB-W-163-21	11/3/2022	187779.9383	2980962.211	
	RB-W-158-67	11/3/2022	187545.3732	2981334.453	
	RB-W-157-84	11/3/2022	187495.5905	2981342.276	
	RB-W-157-08	11/3/2022	187449.5922	2981321.049	
	RB-W-156-46	11/3/2022	187400.8545	2981301.14	
	RB-W-155-93	11/3/2022	187357.993	2981277.063	
	RB-W-152-92	11/3/2022	187131.2631	2981084.242	
	RB-W-153-42	11/3/2022	187173.164	2981114.156	
East	RB-E-125-45	11/4/2022	186204.0534	2982008.493	
	RB-E-125-91	11/4/2022	186194.9494	2981958.872	
	RB-E-126-39	11/4/2022	186192.806	2981910.061	
	RB-E-126-71	11/4/2022	186178.9885	2981865.82	
	RB-E-127-16	11/4/2022	186145.0712	2981828.942	
	RB-E-130-55	11/4/2022	186203.8985	2981558.217	
	RB-E-131-02	11/4/2022	186211.7332	2981509.269	
	RB-E-131-51	11/4/2022	186223.3926	2981460.698	
	RB-E-131-98	11/4/2022	186241.9211	2981414.084	
	RB-E-132-44	11/4/2022	186244.2734	2981367.588	
	RB-E-134-26	11/4/2022	186255.0077	2981171.875	
West	RB-W-148-95	11/4/2022	186785.9889	2980795.16	
	RB-W-148-35	11/4/2022	186772.7806	2980842.999	
	RB-W-147-47	11/4/2022	186725.5851	2980827.083	
	RB-W-147-05	11/4/2022	186707.7092	2980809.64	
	RB-W-146-74	11/4/2022	186695.2617	2980787.76	
	RB-W-146-51	11/4/2022	186683.1538	2980766.663	
	RB-W-146-35	11/4/2022	186668.519	2980746.369	
	RB-W-146-11	11/4/2022	186656.6571	2980725.443	
	RB-W-145-86	11/4/2022	186640.9052	2980705.754	
	RB-W-145-64	11/4/2022	186631.7868	2980682.177	
	RB-W-145-42	11/4/2022	186621.4699	2980659.768	
	RB-W-144-91	11/4/2022	186588.3708	2980623.814	
	RB-W-144-33	11/4/2022	186549.8608	2980570.573	
East	RB-E-123-28	11/4/2022	186318.3986	2982117.441	
	RB-E-124-13	11/4/2022	186248.6242	2982094.205	
	RB-E-124-97	11/4/2022	186216.9805	2982055.98	
	RB-E-128-11	11/4/2022	186136.6487	2981784.015	
	RB-E-128-63	11/4/2022	186133.272	2981732.01	
	RB-E-129-15	11/4/2022	186157.5951	2981689.022	
	RB-E-129-62	11/4/2022	186169.8717	2981642.369	
	RB-E-130-08	11/4/2022	186194.1666	2981604.144	
	RB-E-132-90	11/4/2022	186254.0779	2981318.693	
	RB-E-133-38	11/4/2022	186255.0438	2981269.606	
	RB-E-133-82	11/4/2022	186262.9086	2981219.915	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
West	RB-W-144-15	11/4/2022	186534.9103	2980554.862	
	RB-W-144-01	11/4/2022	186515.7201	2980541.493	
	RB-W-143-70	11/4/2022	186467.3196	2980538.608	
	RB-W-143-58	11/4/2022	186449.9203	2980531.275	
	RB-W-143-45	11/4/2022	186433.5916	2980539.743	
	RB-W-143-27	11/4/2022	186409.0946	2980542.551	
	RB-W-143-05	11/4/2022	186368.97	2980568.048	
	RB-W-142-74	11/4/2022	186362.3096	2980611.433	
	RB-W-141-100	11/4/2022	186371.5498	2980693.195	
	RB-W-141-27	11/4/2022	186342.3458	2980735.061	
	RB-W-142-47	11/4/2022	186365.8263	2980658.66	
East	RB-E-123-48	11/7/2022	186293.6592	2982116.104	
	RB-E-123-08	11/7/2022	186340.9002	2982126.95	
	RB-E-122-27	11/7/2022	186424.7071	2982176.008	
	RB-E-121-99	11/7/2022	186451.419	2982206.341	
	RB-E-121-50	11/7/2022	186475.7165	2982253.297	
	RB-E-120-84	11/7/2022	186484.3015	2982337.765	
	RB-E-120-37	11/7/2022	186462.5417	2982382.789	
	RB-E-119-80	11/7/2022	186457.3563	2982432.283	
	RB-E-116-98	11/7/2022	186643.8422	2982579.026	
	RB-E-116-50	11/7/2022	186683.3434	2982607.322	
West	RB-W-140-50	11/7/2022	186301.0322	2980762.266	
	RB-W-139-96	11/7/2022	186255.8315	2980783.241	
	RB-W-139-49	11/7/2022	186209.3562	2980802.656	
	RB-W-139-00	11/7/2022	186168.4212	2980822.479	
	RB-W-137-80	11/7/2022	186034.6617	2980871.739	
	RB-W-137-67	11/7/2022	186013.6975	2980883.81	
	RB-W-137-39	11/7/2022	185990.7848	2980925.772	
	RB-W-135-28	11/7/2022	186149.3363	2981101.726	
	RB-W-134-73	11/7/2022	186170.2772	2981147.296	
	RB-W-134-15	11/7/2022	186182.5885	2981196.072	
	RB-W-133-59	11/7/2022	186183.0836	2981246.036	
	RB-W-133-03	11/7/2022	186178.5856	2981295.289	
	RB-W-130-48	11/7/2022	186111.8846	2981530.094	
East	RB-E-122-83	11/7/2022	186361.8421	2982140.54	
	RB-E-122-63	11/7/2022	186385.3968	2982149.848	
	RB-E-122-43	11/7/2022	186403.9992	2982162.642	
	RB-E-121-30	11/7/2022	186488.6867	2982271.868	
	RB-E-121-13	11/7/2022	186500.7851	2982291.903	
	RB-E-121-02	11/7/2022	186494.0909	2982315.081	
	RB-E-118-90	11/7/2022	186484.9915	2982475.074	
	RB-E-118-31	11/7/2022	186521.2916	2982506.616	
	RB-E-117-83	11/7/2022	186566.4569	2982522.736	
	RB-E-117-40	11/7/2022	186611.5132	2982546.622	
	RB-E-116-03	11/7/2022	186718.0471	2982643.067	
	RB-E-115-22	11/7/2022	186764.1287	2982664.391	
West	RB-W-138-37	11/7/2022	186099.7517	2980839.737	
	RB-W-138-15	11/7/2022	186078.0451	2980848.639	
	RB-W-137-96	11/7/2022	186054.14	2980857.261	
	RB-W-137-27	11/7/2022	185989.0312	2980947.146	
	RB-W-137-13	11/7/2022	186006.604	2980966.363	
	RB-W-136-89	11/7/2022	186025.6328	2981008.726	
	RB-W-136-57	11/7/2022	186056.2613	2981035.888	
	RB-W-135-96	11/7/2022	186115.171	2981064.717	
	RB-W-132-51	11/7/2022	186170.3123	2981344.954	
	RB-W-132-03	11/7/2022	186161.8497	2981390.62	
	RB-W-131-52	11/7/2022	186148.1634	2981438.66	
	RB-W-131-01	11/7/2022	186130.5958	2981485.41	
East	RB-E-114-59	11/8/2022	186812.5148	2982656.34	
	RB-E-114-09	11/8/2022	186858.808	2982636.714	
	RB-E-113-04	11/8/2022	186956.9006	2982621.514	
	RB-E-113-67	11/8/2022	186905.0264	2982623.902	
	RB-E-112-62	11/8/2022	187001.4137	2982601.947	
	RB-E-112-17	11/8/2022	187047.0589	2982589.778	
	RB-E-111-81	11/8/2022	187095.0119	2982587.333	
	RB-E-111-39	11/8/2022	187137.7972	2982577.807	
	RB-E-111-08	11/8/2022	187164.8267	2982597.254	
	RB-E-110-33	11/8/2022	187212.2827	2982580.063	
	RB-E-109-82	11/8/2022	187232.6999	2982537.681	
	RB-E-109-63	11/8/2022	187251.1825	2982522.572	
	RB-E-110-06	11/8/2022	187228.1199	2982559.899	
	RB-E-109-41	11/8/2022	187272.2028	2982510.401	
	RB-E-109-17	11/8/2022	187294.9219	2982499.214	
	RB-E-105-60	11/8/2022	187613.0233	2982682.63	
	RB-E-105-17	11/8/2022	187581.0057	2982720.591	
	RB-E-104-74	11/8/2022	187544.9808	2982744.597	
	RB-E-104-17	11/8/2022	187520.074	2982787.817	
	RB-E-102-35	11/8/2022	187488.2021	2982925.08	
	RB-E-102-11	11/8/2022	187502.665	2982945.267	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
West	RB-W-127-93	11/8/2022	186033.4789	2981789.528	
	RB-W-128-32	11/8/2022	186048.3296	2981744.038	
	RB-W-127-46	11/8/2022	186041.7076	2981865.032	
	RB-W-125-46	11/8/2022	186146.1834	2982021.901	
	RB-W-124-83	11/8/2022	186152.2927	2982087.356	
	RB-W-124-65	11/8/2022	186164.4462	2982109.023	
	RB-W-123-57	11/8/2022	186276.5496	2982182.821	
	RB-W-122-98	11/8/2022	186324.1007	2982195.088	
	RB-W-122-42	11/8/2022	186370.9559	2982212.722	
	RB-W-121-69	11/8/2022	186383.8768	2982260.728	
	RB-W-121-03	11/8/2022	186395.3079	2982309.702	
	RB-W-115-57	11/8/2022	186699.6846	2982735.555	
East	RB-E-098-95	11/9/2022	187445.834	2983309.218	
	RB-E-098-56	11/9/2022	187397.447	2983312.687	
	RB-E-097-60	11/9/2022	187344.5344	2983301.154	
	RB-E-095-31	11/9/2022	187416.0674	2983486.362	
	RB-E-095-09	11/9/2022	187422.2094	2983510.63	
	RB-E-094-87	11/9/2022	187425.4935	2983535.151	
	RB-E-094-65	11/9/2022	187429.007	2983560.315	
	RB-E-094-43	11/9/2022	187432.5056	2983583.933	
	RB-E-092-49	11/9/2022	187388.5838	2983791.011	
	RB-E-092-23	11/9/2022	187380.9693	2983814.262	
	RB-E-092-11	11/9/2022	187369.3302	2983834.563	
West	RB-W-115-33	11/9/2022	186747.4637	2982746.06	
	RB-W-114-94	11/9/2022	186793.2723	2982748.253	
	RB-W-113-35	11/9/2022	186957.2251	2982715.898	
	RB-W-113-17	11/9/2022	186976.9514	2982702.825	
	RB-W-112-98	11/9/2022	186997.3494	2982688.995	
	RB-W-112-68	11/9/2022	187019.8336	2982677.128	
	RB-W-112-39	11/9/2022	187042.6272	2982669.588	
	RB-W-110-46	11/9/2022	187237.7491	2982647.981	
	RB-W-110-30	11/9/2022	187258.3039	2982633.772	
	RB-W-110-10	11/9/2022	187277.1054	2982619.328	
	RB-W-109-91	11/9/2022	187298.6588	2982609.191	
	RB-W-109-34	11/9/2022	187335.7197	2982577.809	
East	RB-E-103-72	11/8/2022	187512.3034	2982837.198	
	RB-E-103-51	11/8/2022	187501.6738	2982855.203	
	RB-E-102-84	11/8/2022	187491.7276	2982876.149	
	RB-E-102-64	11/8/2022	187482.1988	2982899.733	
West	RB-W-129-06	11/8/2022	186053.7574	2981664.669	
	RB-W-127-12	11/8/2022	186056.8519	2981907.767	
	RB-W-126-53	11/8/2022	186107.1139	2981930.188	
	RB-W-125-96	11/8/2022	186124.7589	2981975.796	
	RB-W-125-04	11/8/2022	186142.7113	2982065.293	
	RB-W-124-25	11/8/2022	186186.4917	2982152.58	
	RB-W-123-92	11/8/2022	186230.1429	2982175.776	
	RB-W-118-46	11/8/2022	186469.8081	2982569.888	
	RB-W-118-06	11/8/2022	186515.931	2982588.964	
	RB-W-116-95	11/8/2022	186600.3387	2982637.946	
	RB-W-116-47	11/8/2022	186647.6142	2982655.332	
	RB-W-115-94	11/8/2022	186681.7096	2982692.005	
East	RB-E-096-80	11/9/2022	187342.9215	2983357.477	
	RB-E-096-45	11/9/2022	187352.7889	2983380.574	
	RB-E-096-20	11/9/2022	187367.1603	2983401.225	
	RB-E-095-71	11/9/2022	187395.4476	2983442.219	
	RB-E-095-49	11/9/2022	187406.6458	2983463.37	
	RB-E-093-96	11/9/2022	187427.8557	2983632.815	
	RB-E-093-53	11/9/2022	187428.2202	2983682.965	
	RB-E-092-94	11/9/2022	187401.755	2983742.77	
	RB-E-091-71	11/9/2022	187329.6312	2983862.459	
	RB-E-091-17	11/9/2022	187285.088	2983884.154	
	RB-E-090-53	11/9/2022	187265.7845	2983928.859	
	RB-E-089-72	11/9/2022	187272.5007	2983977.912	
	RB-E-089-15	11/9/2022	187292.5318	2984023.793	
West	RB-W-114-55	11/9/2022	186839.8644	2982731.633	
	RB-W-114-06	11/9/2022	186884.1157	2982713.989	
	RB-W-113-58	11/9/2022	186932.6746	2982720.591	
	RB-W-111-52	11/9/2022	187115.7182	2982659.546	
	RB-W-111-28	11/9/2022	187140.9262	2982662.288	
	RB-W-111-05	11/9/2022	187165.5462	2982665.37	
	RB-W-110-88	11/9/2022	187190.2023	2982662.01	
	RB-W-110-66	11/9/2022	187214.8296	2982657.453	
	RB-W-108-89	11/9/2022	187365.2745	2982542.773	
	RB-W-108-01	11/9/2022	187415.462	2982542.185	
	RB-W-056-60	11/10/2022	186738.0825	2986542.137	
	RB-W-056-07	11/10/2022	186716.2955	2986587.48	
	RB-W-055-65	11/10/2022	186699.7935	2986632.963	
	RB-W-055-09	11/10/2022	186683.475	2986680.37	
	RB-W-054-55	11/10/2022	186652.4495	2986720.526	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
West (cont.)	RB-W-053-05	11/10/2022	186560.2787	2986733.183	
	RB-W-052-37	11/10/2022	186515.2785	2986709.834	
	RB-W-051-92	11/10/2022	186476.3228	2986679.46	
	RB-W-057-34	11/10/2022	186758.5703	2986470.5	
	RB-W-057-11	11/10/2022	186751.7468	2986494.011	
	RB-W-053-81	11/10/2022	186609.505	2986745.333	
	RB-W-051-44	11/10/2022	186436.5273	2986650.955	
	RB-W-050-62	11/10/2022	186382.0947	2986600.671	
	RB-W-050-40	11/10/2022	186368.3985	2986579.135	
	RB-W-106-26	11/10/2022	187538.0625	2982613.394	
	RB-W-105-86	11/10/2022	187537.0668	2982638.937	
	RB-W-105-24	11/10/2022	187526.1403	2982661.591	
	RB-W-057-95	11/10/2022	186779.7251	2986414.932	
	RB-W-107-50	11/10/2022	187465.1752	2982546.721	
	RB-W-106-85	11/10/2022	187507.476	2982573.964	
	RB-W-104-10	11/10/2022	187455.2182	2982761.055	
	RB-W-103-84	11/10/2022	187440.1598	2982781.744	
	RB-W-102-81	11/10/2022	187406.8922	2982903.228	
	RB-W-102-40	11/10/2022	187434.6894	2982944.797	
	RB-W-101-91	11/10/2022	187449.8485	2982990.131	
	RB-W-098-54	11/10/2022	187378.8319	2983196.214	
	RB-W-096-42	11/10/2022	187297.2851	2983423.124	
	RB-W-095-94	11/10/2022	187330.5882	2983460.48	
	RB-W-095-38	11/10/2022	187357.5711	2983503.134	
	RB-W-094-78	11/10/2022	187367.347	2983552.464	
	RB-W-092-84	11/10/2022	187332.8802	2983722.289	
	RB-W-092-35	11/10/2022	187298.3409	2983758.942	
	RB-W-091-68	11/10/2022	187274.9876	2983800.432	
	RB-W-091-44	11/10/2022	187259.5401	2983820.151	
	RB-W-091-21	11/10/2022	187242.3577	2983838.296	
	RB-W-089-41	11/10/2022	187223.8086	2984037.26	
	RB-W-088-100	11/10/2022	187256.6546	2984074.843	
	RB-W-088-52	11/10/2022	187286.1952	2984114.461	
	RB-W-087-75	11/10/2022	187329.1043	2984174.018	
	RB-W-087-12	11/10/2022	187349.2401	2984219.684	
	RB-W-104-99	11/10/2022	187512.182	2982681.891	
	RB-W-104-76	11/10/2022	187495.0245	2982699.842	
	RB-W-103-60	11/10/2022	187421.9781	2982798.477	
	RB-W-103-37	11/10/2022	187405.4877	2982812.092	
	RB-W-103-12	11/10/2022	187390.5576	2982859.291	
	RB-W-098-33	11/10/2022	187364.4694	2983213.698	
	RB-W-097-82	11/10/2022	187301.2756	2983252.975	
	RB-W-097-51	11/10/2022	187272.3426	2983289.42	
	RB-W-097-19	11/10/2022	187257.6894	2983335.809	
	RB-W-096-83	11/10/2022	187273.7753	2983381.707	
	RB-W-094-18	11/10/2022	187365.3795	2983602.264	
	RB-W-093-68	11/10/2022	187353.9435	2983651.111	
	RB-W-093-40	11/10/2022	187347.4389	2983674.779	
	RB-W-091-03	11/10/2022	187230.1927	2983860.029	
	RB-W-090-61	11/10/2022	187201.0639	2983898.8	
	RB-W-090-41	11/10/2022	187194.094	2983922.195	
	RB-W-090-25	11/10/2022	187190.6584	2983946.884	
	RB-W-090-08	11/10/2022	187191.7607	2983971.562	
	RB-W-089-90	11/10/2022	187198.0255	2983994.617	
	RB-W-086-64	11/10/2022	187358.1154	2984263.416	
	RB-W-085-66	11/10/2022	187351.9986	2984312.924	
East	RB-E-048-06	11/11/2022	186115.2934	2986539.006	
	RB-E-047-56	11/11/2022	186071.2256	2986516.546	
	RB-E-046-78	11/11/2022	186004.1332	2986482.828	
	RB-E-046-32	11/11/2022	185959.6759	2986462.025	
	RB-E-047-05	11/11/2022	186025.7279	2986494.974	
	RB-E-045-80	11/11/2022	185916.1543	2986437.465	
	RB-E-045-36	11/11/2022	185873.9454	2986412.036	
	RB-E-044-85	11/11/2022	185830.1348	2986386.634	
	RB-E-044-29	11/11/2022	185784.8203	2986366.649	
	RB-E-043-74	11/11/2022	185735.2899	2986358.402	
	RB-E-043-10	11/11/2022	185686.4944	2986367.651	
	RB-E-042-62	11/11/2022	185638.9617	2986373.506	
	RB-E-042-13	11/11/2022	185589.509	2986379.464	
	RB-E-041-66	11/11/2022	185539.8063	2986385.238	
	RB-E-041-17	11/11/2022	185490.7474	2986392.732	
	RB-E-040-59	11/11/2022	185440.9466	2986391.297	
	RB-E-040-36	11/11/2022	185415.8873	2986394.82	
	RB-E-040-09	11/11/2022	185393.4165	2986406.128	
	RB-E-039-92	11/11/2022	185370.6184	2986414.811	
	RB-E-039-71	11/11/2022	185346.0265	2986417.521	
	RB-E-039-32	11/11/2022	185298.4748	2986421.214	
	RB-E-039-04	11/11/2022	185261.4585	2986402.447	
	RB-E-038-59	11/11/2022	185223.3411	2986370.035	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-038-37	11/11/2022	185205.9012	2986352.229	
	RB-E-037-73	11/11/2022	185165.3993	2986322	
	RB-E-037-13	11/11/2022	185116.132	2986311.976	
	RB-E-035-86	11/11/2022	185028.0475	2986355.621	
	RB-E-035-30	11/11/2022	184993.9046	2986390.287	
West	RB-W-084-21	11/11/2022	187256.9273	2984308.471	
	RB-W-083-69	11/11/2022	187218.5133	2984276.86	
	RB-W-083-40	11/11/2022	187199.8326	2984260.086	
	RB-W-083-14	11/11/2022	187186.579	2984238.974	
	RB-W-081-31	11/11/2022	186985.3576	2984185.228	
	RB-W-080-18	11/11/2022	186891.7922	2984263.862	
	RB-W-076-46	11/11/2022	186875.3391	2984651.401	
	RB-W-076-91	11/11/2022	186858.5734	2984604.124	
East	RB-E-036-50	11/11/2022	185068.327	2986326.688	
West	RB-W-084-91	11/11/2022	187303.2349	2984329.173	
	RB-W-082-34	11/11/2022	187106.961	2984183.265	
	RB-W-081-93	11/11/2022	187058.1826	2984175.968	
	RB-W-079-99	11/11/2022	186873.6728	2984280.953	
	RB-W-079-75	11/11/2022	186856.0599	2984298.324	
	RB-W-079-58	11/11/2022	186838.4947	2984315.401	
	RB-W-079-41	11/11/2022	186827.081	2984337.105	
	RB-W-075-31	11/11/2022	186900.5225	2984748.037	
	RB-W-074-82	11/11/2022	186907.3974	2984796.856	
	RB-W-073-80	11/11/2022	186912.4785	2984896.148	
	RB-W-071-82	11/11/2022	186915.8482	2985094.056	
	RB-W-072-11	11/11/2022	186914.9017	2985069.26	
	RB-W-071-30	11/11/2022	186918.1245	2985143.513	
	RB-W-063-62	11/14/2022	186945.5073	2985897.784	
	RB-W-064-09	11/14/2022	186948.6378	2985847.478	
	RB-W-066-99	11/14/2022	186991.6561	2985579.773	
	RB-W-067-92	11/14/2022	186958.8898	2985487.031	
East	RB-E-066-67	11/14/2022	187071.1684	2985592.522	
	RB-E-067-08	11/14/2022	187049.0084	2985547.35	
	RB-E-069-16	11/14/2022	187013.2145	2985351.392	
	RB-E-069-68	11/14/2022	187008.8421	2985301.647	
	RB-E-068-67	11/14/2022	187019.2643	2985401.068	
	RB-E-034-63	11/14/2022	184941.0618	2986441.896	
	RB-E-034-35	11/14/2022	184921.3328	2986457.233	
	RB-E-034-16	11/14/2022	184900.1524	2986470.333	
	RB-E-033-92	11/14/2022	184879.7115	2986485.06	
West	RB-W-062-57	11/14/2022	186940.007	2985997.435	
	RB-W-063-07	11/14/2022	186942.1451	2985947.341	
	RB-W-067-48	11/14/2022	186973.9557	2985532.77	
	RB-W-068-40	11/14/2022	186953.255	2985438.82	
	RB-W-069-37	11/14/2022	186936.6142	2985340.27	
	RB-W-060-71	11/14/2022	186894.8922	2986165.573	
East	RB-E-065-91	11/14/2022	187070.4312	2985685.578	
	RB-E-066-32	11/14/2022	187078.052	2985639.228	
	RB-E-066-81	11/14/2022	187060.1898	2985570.14	
	RB-E-067-64	11/14/2022	187033.6298	2985499.845	
	RB-E-068-18	11/14/2022	187027.3165	2985450.617	
	RB-E-070-17	11/14/2022	187003.5131	2985251.598	
	RB-E-034-87	11/14/2022	184960.9857	2986426.857	
	RB-E-033-67	11/14/2022	184859.4606	2986498.727	
	RB-E-033-44	11/14/2022	184838.2415	2986511.394	
	RB-E-033-23	11/14/2022	184816.1769	2986522.567	
	RB-E-032-52	11/14/2022	184747.9159	2986550.732	
West	RB-W-047-87	11/15/2022	186135.917	2986454.559	
	RB-W-047-39	11/15/2022	186090.4621	2986433.867	
East	RB-E-027-27	11/15/2022	184233.8792	2986419.736	
	RB-E-027-76	11/15/2022	184276.2265	2986445.782	
	RB-E-028-29	11/15/2022	184310.4158	2986480.861	
West	RB-W-046-92	11/15/2022	186044.0343	2986414.837	
	RB-W-045-91	11/15/2022	185952.5388	2986376.42	
	RB-W-046-38	11/15/2022	185998.2933	2986396.078	
East	RB-E-028-75	11/15/2022	184351.998	2986508.195	
	RB-E-029-63	11/15/2022	184441.9204	2986548.426	
	RB-E-029-88	11/15/2022	184465.8295	2986554.994	
	RB-E-018-24	11/17/2022	183816.2704	2986898.515	
	RB-E-018-65	11/17/2022	183831.4525	2986853.212	
	RB-E-019-66	11/17/2022	183854.3904	2986756.357	
	RB-E-021-62	11/17/2022	183899.9832	2986565.674	
	RB-E-022-15	11/17/2022	183915.8434	2986518.839	
	RB-E-022-63	11/17/2022	183937.8325	2986475.025	
	RB-E-023-20	11/17/2022	183961.6133	2986431.453	
	RB-E-029-20	11/17/2022	184394.2224	2986534.968	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-030-28	11/17/2022	184509.044	2986575.237	
	RB-E-030-72	11/17/2022	184557.3372	2986567.106	
	RB-E-030-99	11/17/2022	184582.6042	2986565.94	
	RB-E-031-43	11/17/2022	184630.1966	2986564.363	
	RB-E-019-14	11/17/2022	183844.27	2986804.899	
East	RB-E-020-11	11/17/2022	183867.6043	2986708.018	
	RB-E-020-63	11/17/2022	183878.2631	2986658.958	
	RB-E-021-16	11/17/2022	183891.3743	2986611.211	
	RB-E-023-69	11/17/2022	183987.6982	2986390.116	
	RB-E-024-23	11/17/2022	184021.9629	2986352.56	
	RB-E-024-97	11/17/2022	184063.346	2986323.888	
	RB-E-025-72	11/17/2022	184112.9372	2986331.891	
	RB-E-026-76	11/17/2022	184192.8579	2986391.937	
	RB-E-026-26	11/17/2022	184152.8816	2986361.97	
	RB-E-031-90	11/17/2022	184679.3707	2986572.239	
	RB-E-070-73	4/14/2023	187004.38	2985201.59	
	RB-E-071-72	4/14/2023	187006.11	2985102.3	
	RB-E-073-18	4/14/2023	186996.18	2984954.58	
	RB-E-073-66	4/14/2023	186991.96	2984907.06	
	RB-E-075-60	4/14/2023	186969.6	2984709.07	
	RB-E-080-41	4/14/2023	186949.92	2984297.97	
	RB-E-079-86	4/14/2023	186911.62	2984331.61	
	RB-E-079-15	4/14/2023	186892.85	2984376.42	
	RB-E-071-24	4/14/2023	187004.2	2985151.81	
	RB-E-072-19	4/14/2023	187003.89	2985054.41	
	RB-E-072-46	4/14/2023	186999.56	2985029.12	
	RB-E-072-72	4/14/2023	187000.63	2985004.21	
	RB-E-074-16	4/14/2023	186986.95	2984857.25	
	RB-E-074-65	4/14/2023	186982.5	2984806.78	
	RB-E-075-14	4/14/2023	186975.64	2984758.34	
	RB-E-076-05	4/14/2023	186961.21	2984661.42	
	RB-E-078-56	4/14/2023	186893.62	2984426.48	
	RB-E-078-05	4/14/2023	186906.75	2984473.16	
	RB-E-077-55	4/14/2023	186920.49	2984521	
	RB-E-077-00	4/14/2023	186932.03	2984568.81	
	RB-E-076-51	4/14/2023	186943.18	2984616	
West	RB-W-016-06	4/18/2023	183643.84	2987057.26	
	RB-W-018-26	4/18/2023	183734.71	2986856.12	
	RB-W-019-83	4/18/2023	183782.48	2986715.96	
	RB-W-016-48	4/18/2023	183673.81	2987016.22	
	RB-W-017-08	4/18/2023	183697.57	2986973	
	RB-W-017-59	4/18/2023	183716.12	2986926.43	
	RB-W-018-82	4/18/2023	183755.21	2986810.94	
	RB-W-019-31	4/18/2023	183771.45	2986763.53	
	RB-W-021-33	4/18/2023	183820.61	2986571.49	
	RB-W-021-81	4/18/2023	183839.18	2986525.33	
	RB-W-022-25	4/18/2023	183852.43	2986479.34	
	RB-W-022-74	4/18/2023	183877.17	2986436.4	
	RB-W-024-13	4/18/2023	183961.89	2986313.68	
	RB-W-024-75	4/18/2023	184023.25	2986263.07	
	RB-W-025-30	4/18/2023	184093.57	2986253.1	
	RB-W-020-34	4/18/2023	183791.82	2986667.34	
	RB-W-020-83	4/18/2023	183806.86	2986619.57	
	RB-W-022-96	4/18/2023	183889.4	2986414.69	
	RB-W-023-41	4/18/2023	183916.91	2986373.26	
	RB-W-023-68	4/18/2023	183932.24	2986353.45	
	RB-W-025-46	4/18/2023	184115.88	2986262.72	
	RB-W-025-84	4/18/2023	184161.79	2986272.77	
	RB-W-026-29	4/18/2023	184198.34	2986303.97	
East	RB-E-065-44	4/19/2023	187053.92	2985732.9	
	RB-E-063-46	4/19/2023	187027.76	2985915.95	
	RB-E-064-96	4/19/2023	187033.55	2985773.3	
	RB-E-064-43	4/19/2023	187024.39	2985818.97	
	RB-E-062-96	4/19/2023	187020.49	2985965.33	
	RB-E-061-54	4/19/2023	187000.71	2986110.51	
	RB-E-061-09	4/19/2023	186990.54	2986158.55	
	RB-E-060-63	4/19/2023	186977.69	2986206.86	
	RB-E-059-50	4/19/2023	186924.42	2986305.98	
	RB-E-059-27	4/19/2023	186914	2986328.79	
	RB-E-059-03	4/19/2023	186904.91	2986352.12	
	RB-E-057-32	4/19/2023	186840.12	2986511.71	
	RB-E-057-06	4/19/2023	186829.61	2986532.74	
	RB-E-063-90	4/19/2023	187032.68	2985868.17	
	RB-E-062-47	4/19/2023	187016.58	2986015.18	
	RB-E-062-05	4/19/2023	187011.99	2986062.92	
	RB-E-060-22	4/19/2023	186961.58	2986247.19	
	RB-E-059-79	4/19/2023	186936.16	2986284.01	
	RB-E-058-57	4/19/2023	186881.72	2986395.38	
	RB-E-058-28	4/19/2023	186871.73	2986418.76	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-058-04	4/19/2023	186863.51	2986441.41	
	RB-E-057-51	4/19/2023	186847.08	2986489.15	
	RB-E-056-18	4/20/2023	186781.93	2986608.96	
	RB-E-055-19	4/20/2023	186737.8	2986698.91	
	RB-E-054-95	4/20/2023	186725.88	2986720.56	
	RB-E-054-74	4/20/2023	186711.9	2986741.1	
	RB-E-054-50	4/20/2023	186695.7	2986760.12	
	RB-E-054-29	4/20/2023	186681	2986780.21	
	RB-E-053-96	4/20/2023	186643.09	2986809.97	
	RB-E-053-77	4/20/2023	186621.49	2986821.42	
	RB-E-053-59	4/20/2023	186597.58	2986825.65	
	RB-E-051-69	4/20/2023	186407.68	2986727.26	
	RB-E-051-20	4/20/2023	186370.94	2986694.55	
	RB-E-050-73	4/20/2023	186334.74	2986660.23	
	RB-E-050-20	4/20/2023	186295.16	2986629.29	
	RB-E-055-94	4/20/2023	186769.46	2986631.33	
	RB-E-055-64	4/20/2023	186757.41	2986653.38	
	RB-E-055-42	4/20/2023	186747.28	2986676.17	
	RB-E-054-08	4/20/2023	186664.4	2986798.18	
	RB-E-053-38	4/20/2023	186572.42	2986823.22	
	RB-E-053-24	4/20/2023	186549.16	2986820.92	
	RB-E-053-01	4/20/2023	186525.05	2986813.99	
	RB-E-052-61	4/20/2023	186484.07	2986789.78	
	RB-E-052-14	4/20/2023	186442.98	2986761.31	
	RB-E-049-65	4/20/2023	186250.85	2986606.46	
	RB-E-049-08	4/20/2023	186207.13	2986582.67	
	RB-E-238-18	4/21/2023	186808.01	2977231.21	
	RB-E-238-36	4/21/2023	186837.32	2977196.37	
	RB-E-238-53	4/21/2023	186841.11	2977171.74	
	RB-E-240-33	4/21/2023	186798.51	2976965.08	
	RB-E-240-71	4/21/2023	186768.74	2976926.41	
	RB-E-241-06	4/21/2023	186732.6	2976897.3	
	RB-E-241-24	4/21/2023	186711.94	2976883.48	
	RB-E-242-61	4/21/2023	186576.42	2976850.92	
	RB-E-243-05	4/21/2023	186527.71	2976844.86	
	RB-E-243-26	4/21/2023	186502.25	2976843.54	
	RB-E-243-45	4/21/2023	186478.18	2976845.33	
	RB-E-238-27	4/21/2023	186827.75	2977218.53	
	RB-E-238-71	4/21/2023	186848.96	2977147.84	
	RB-E-238-87	4/21/2023	186851.22	2977124.09	
	RB-E-239-26	4/21/2023	186848.01	2977075.58	
	RB-E-239-85	4/21/2023	186824.6	2977007.94	
	RB-E-241-66	4/21/2023	186665.79	2976867.97	
	RB-E-241-88	4/21/2023	186644.57	2976870.85	
	RB-E-242-11	4/21/2023	186622.22	2976863.8	
	RB-E-242-37	4/21/2023	186599.31	2976856.43	
	RB-E-208-94	5/9/2023	187244.16	2977691.74	
	RB-E-209-42	5/9/2023	187239.6	2977741.07	
	RB-E-220-55	5/9/2023	186676.27	2978255	
	RB-E-204-26	5/9/2023	187559.77	2977512.98	
	RB-E-204-44	5/9/2023	187543.72	2977497.24	
	RB-E-204-63	5/9/2023	187524.18	2977482.43	
	RB-E-205-07	5/9/2023	187484.32	2977452.69	
	RB-E-237-28	5/9/2023	186717.23	2977253.39	
	RB-E-218-96	5/9/2023	186785.33	2978356.17	
	RB-E-218-29	5/9/2023	186831.02	2978375.44	
	RB-E-105-81	5/10/2023	187625.21	2982636.68	
	RB-E-106-36	5/10/2023	187588.63	2982572.81	
	RB-E-106-78	5/10/2023	187557.32	2982534.58	
	RB-E-106-100	5/10/2023	187539.05	2982517.67	
	RB-E-105-97	5/10/2023	187613.18	2982616.28	
	RB-E-106-13	5/10/2023	187601.82	2982593.79	
	RB-E-107-40	5/10/2023	187497.18	2982494.52	
	RB-E-107-85	5/10/2023	187450	2982478.56	
	RB-E-108-25	5/10/2023	187404.96	2982458.67	
	RB-E-108-63	5/10/2023	187355.46	2982461.67	
	RB-E-108-74	5/10/2023	187334.51	2982471.25	
	RB-E-108-94	5/10/2023	187317.27	2982488.9	
West	RB-W-119-20	5/11/2023	186386.42	2982515.81	
	RB-W-120-01	5/11/2023	186389.07	2982409.1	
	RB-W-120-24	5/11/2023	186387.98	2982383.45	
	RB-W-130-01	5/11/2023	186099.21	2981578.34	
East	RB-E-134-43	5/11/2023	186247.25	2981150.88	
West	RB-W-138-54	5/11/2023	186121.31	2980827.12	
East	RB-E-144-21	5/11/2023	186481.03	2980625	
West	RB-W-159-72	5/11/2023	187592.75	2981246.21	
	RB-W-160-10	5/11/2023	187622.96	2981209.94	
	RB-W-160-60	5/11/2023	187656.46	2981172.69	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East	RB-E-161-41	5/11/2023	187775.85	2981160.27	
	RB-E-163-33	5/11/2023	187860.6	2980983.32	
	RB-E-163-95	5/11/2023	187882.96	2980939.45	
West	RB-W-117-48	5/11/2023	186561.95	2982608.43	
	RB-W-118-94	5/11/2023	186430.3	2982540.57	
	RB-W-120-46	5/11/2023	186390.77	2982359.8	
	RB-W-120-68	5/11/2023	186394.68	2982334.92	
	RB-W-129-53	5/11/2023	186084.5	2981626.22	
	RB-W-144-46	5/11/2023	186549.17	2980594.25	
	RB-W-149-59	5/11/2023	186908.63	2980825.14	
	RB-W-149-98	5/11/2023	186942.49	2980860.25	
	RB-W-150-41	5/11/2023	186976.49	2980896.38	
East	RB-E-151-35	5/11/2023	186944.76	2981029.66	
West	RB-W-161-96	5/11/2023	187731.93	2981077.17	
	RB-W-162-22	5/11/2023	187745.36	2981055.7	
	RB-W-162-44	5/11/2023	187755.39	2981033.42	
	RB-W-163-83	5/11/2023	187808.53	2980894.28	
	RB-W-164-69	5/11/2023	187850.39	2980832.11	
East	RB-E-164-39	5/11/2023	187908.59	2980898.39	
	RB-E-164-84	5/11/2023	187930.02	2980853.53	
	RB-E-165-32	5/11/2023	187954.71	2980812.05	
	RB-E-165-83	5/11/2023	187976.33	2980766.69	
West	RB-W-200-51	5/12/2023	187554.6	2977906.04	
	RB-W-201-41	5/12/2023	187544.2	2977808.98	
	RB-W-202-98	5/12/2023	187542.11	2977660.38	
	RB-W-205-77	5/12/2023	187391.23	2977510.7	
East	RB-E-210-19	5/12/2023	187229.13	2977813.72	
	RB-E-215-22	5/12/2023	187031.86	2978256.16	
West	RB-W-222-100	5/12/2023	186481.17	2978080.69	
	RB-W-224-26	5/12/2023	186579.56	2977958.12	
	RB-W-167-84	5/12/2023	187990.26	2980544.77	
	RB-W-168-20	5/12/2023	188027.24	2980512.13	
	RB-W-168-75	5/12/2023	188062.28	2980476.93	
	RB-W-179-07	5/12/2023	188004.12	2979657.37	
	RB-W-179-57	5/12/2023	187986.53	2979610.47	
	RB-W-179-82	5/12/2023	187974.17	2979588.85	
	RB-W-180-38	5/12/2023	187955.04	2979543.05	
	RB-W-182-10	5/12/2023	187869.51	2979396.46	
	RB-W-182-56	5/12/2023	187854.79	2979376.02	
	RB-W-182-88	5/12/2023	187838.24	2979358.32	
	RB-W-200-94	5/12/2023	187544.94	2977858.14	
	RB-W-201-89	5/12/2023	187544.43	2977759.59	
	RB-W-202-40	5/12/2023	187547.81	2977710.21	
East	RB-E-203-78	5/12/2023	187593.35	2977550.82	
	RB-E-204-01	5/12/2023	187576.59	2977532.43	
	RB-E-205-48	5/12/2023	187438.96	2977434.54	
	RB-E-209-19	5/12/2023	187239.07	2977716.11	
	RB-E-209-69	5/12/2023	187239.56	2977765.66	
	RB-E-209-94	5/12/2023	187238.7	2977790.79	
West	RB-W-213-33	5/12/2023	187196.09	2978130.45	
	RB-W-217-02	5/12/2023	186962.67	2978432.78	
	RB-W-223-19	5/12/2023	186482.42	2978055.89	
	RB-W-223-34	5/12/2023	186488.58	2978032.87	
	RB-W-223-76	5/12/2023	186515.29	2977991.81	
East	RB-E-174-84	5/12/2023	188265.07	2979999.22	
	RB-E-181-07	5/12/2023	188005.2	2979434.3	
West	RB-W-168-98	5/12/2023	188072.43	2980453.97	
	RB-W-178-05	5/12/2023	188038.97	2979749.35	
	RB-W-178-59	5/12/2023	188020.7	2979703.34	
	RB-W-180-85	5/12/2023	187931.45	2979499.59	
	RB-W-181-11	5/12/2023	187914.21	2979480.48	
	RB-W-181-54	5/12/2023	187893.58	2979440.33	
	RB-W-181-81	5/12/2023	187882.83	2979417.93	
	RB-W-183-48	5/12/2023	187794.05	2979336.5	
East	RB-E-080-90	5/15/2023	186989.29	2984267.79	
	RB-E-083-87	5/15/2023	187190.95	2984336.09	
	RB-E-084-34	5/15/2023	187228.03	2984368.53	
	RB-E-085-60	5/15/2023	187385.43	2984377.8	
	RB-E-087-72	5/15/2023	187384.46	2984141.58	
	RB-E-088-19	5/15/2023	187353.81	2984103.63	
	RB-E-088-42	5/15/2023	187338.28	2984083.13	
	RB-E-081-59	5/15/2023	187030.41	2984240.85	
	RB-E-082-25	5/15/2023	187080.86	2984238.66	
	RB-E-082-90	5/15/2023	187122.33	2984268.7	
	RB-E-083-45	5/15/2023	187157.43	2984301.53	
	RB-E-084-70	5/15/2023	187269.1	2984391.76	
	RB-E-085-23	5/15/2023	187338.38	2984395	
	RB-E-085-43	5/15/2023	187361.61	2984386.16	
	RB-E-086-05	5/15/2023	187428.37	2984329.41	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
East (cont.)	RB-E-086-60	5/15/2023	187426	2984255.69	
	RB-E-086-84	5/15/2023	187420.55	2984231.15	
	RB-E-087-48	5/15/2023	187397.28	2984162.73	
	RB-E-088-66	5/15/2023	187324.18	2984062.85	
	RB-E-088-90	5/15/2023	187307.32	2984044.67	
	RB-E-182-71	5/16/2023	187887.78	2979295.09	
	RB-E-188-48	5/16/2023	187524.46	2979076.57	
	RB-E-188-92	5/16/2023	187557.22	2979037.97	
	RB-E-192-76	5/16/2023	187621.43	2978643.99	
West	RB-W-193-47	5/16/2023	187526.59	2978583.11	
	RB-W-188-08	5/16/2023	187451.89	2979070.55	
	RB-W-188-81	5/16/2023	187503.08	2979019.1	
	RB-W-194-18	5/16/2023	187531.16	2978509.24	
	RB-W-194-40	5/16/2023	187536.73	2978484.9	
	RB-W-194-87	5/16/2023	187540.85	2978435.71	
	RB-W-196-06	5/16/2023	187572.53	2978316.33	
	RB-W-196-30	5/16/2023	187583.16	2978293.67	
	RB-W-196-55	5/16/2023	187590.3	2978269.47	
	RB-W-196-82	5/16/2023	187594.58	2978245.09	
East	RB-E-183-16	5/16/2023	187839.66	2979280.12	
	RB-E-183-39	5/16/2023	187817.6207	2979268.223	
	RB-E-183-56	5/16/2023	187793.98	2979261.91	
	RB-E-189-33	5/16/2023	187579.09	2979001.2	
	RB-E-190-64	5/16/2023	187625.93	2978870.92	
West	RB-W-187-25	5/16/2023	187419.5	2979183.47	
	RB-W-187-40	5/16/2023	187418.82	2979158.77	
	RB-W-187-57	5/16/2023	187421.43	2979134.9	
	RB-W-190-16	5/16/2023	187540.31	2978900.99	
	RB-W-190-68	5/16/2023	187547.56	2978852.15	
	RB-W-193-96	5/16/2023	187528.57	2978533.19	
	RB-W-195-33	5/16/2023	187554.04	2978388.35	
	RB-W-195-61	5/16/2023	187560.76	2978363.67	
	RB-W-195-85	5/16/2023	187564.8	2978339.65	
	RB-W-224-07	5/16/2023	186556.61	2977965.57	
	RB-W-224-66	5/16/2023	186629.08	2977951.13	
	RB-W-225-18	5/16/2023	186678.21	2977947.36	
	RB-W-225-76	5/16/2023	186727.5	2977940.79	
East	RB-E-229-43	5/17/2023	187033.96	2977777.48	
	RB-E-229-64	5/17/2023	187030.14	2977752.91	
	RB-E-229-89	5/17/2023	187028.46	2977728.05	
	RB-E-230-58	5/17/2023	187017.48	2977655.04	
	RB-E-230-85	5/17/2023	187011.62	2977631.2	
	RB-E-231-08	5/17/2023	187003.32	2977607.6	
	RB-E-231-92	5/17/2023	186955.47	2977525.61	
West	RB-W-230-41	5/17/2023	186943.62	2977690.86	
	RB-W-236-35	5/17/2023	186580.56	2977256.72	
	RB-W-236-73	5/17/2023	186625.62	2977204.53	
	RB-W-237-13	5/17/2023	186659.06	2977171.88	
	RB-W-237-37	5/17/2023	186679.07	2977156.37	
	RB-W-245-05	5/17/2023	186315.58	2976958.39	
	RB-W-245-76	5/17/2023	186241.31	2976897.41	
East	RB-E-233-09	5/17/2023	186872.85	2977432.18	
	RB-E-230-12	5/17/2023	187027.08	2977703.21	
	RB-E-230-38	5/17/2023	187022.19	2977679.74	
	RB-E-231-52	5/17/2023	186983.63	2977561.73	
	RB-E-231-27	5/17/2023	186992.58	2977584.76	
	RB-E-231-70	5/17/2023	186972.76	2977539.54	
West	RB-W-235-50	5/17/2023	186601.57	2977376.14	
	RB-W-235-63	5/17/2023	186592.84	2977352.45	
	RB-W-236-04	5/17/2023	186583.22	2977304.74	
	RB-W-236-22	5/17/2023	186580.58	2977279.58	
	RB-W-237-57	5/17/2023	186697.96	2977140.84	
	RB-W-237-69	5/17/2023	186720.08	2977137.58	
	RB-W-238-86	5/17/2023	186763.3	2977117.92	
	RB-W-245-35	5/17/2023	186278.43	2976929.01	
East	RB-E-001-48	5/18/2023	183416.12	2987753.7	
	RB-E-001-92	5/18/2023	183383.65	2987715.06	
	RB-E-002-85	5/18/2023	183298.46	2987665	
	RB-E-003-13	5/18/2023	183283.23	2987645.06	
	RB-E-003-71	5/18/2023	183270.9	2987623.2	
	RB-E-008-99	5/18/2023	183659.21	2987513.61	
	RB-E-012-24	5/18/2023	183484.88	2987245.2	
	RB-E-015-84	5/18/2023	183699.53	2987106.84	
	RB-E-016-15	5/18/2023	183709.38	2987085.5	
	RB-E-016-39	5/18/2023	183724.63	2987064.33	
	RB-E-017-48	5/18/2023	183788.74	2986966.56	
	RB-E-017-27	5/18/2023	183785.11	2986988.48	
West	RB-W-006-81	5/18/2023	183498.34	2987566.26	
	RB-W-007-30	5/18/2023	183544.63	2987582.4	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
West (cont.)	RB-W-045-16	5/18/2023	185886.8	2986346.92	
	RB-W-044-64	5/18/2023	185841.74	2986324.52	
	RB-W-044-21	5/18/2023	185796.12	2986306.75	
	RB-W-042-90	5/18/2023	185651.57	2986289.92	
	RB-W-042-16	5/18/2023	185578.53	2986303.98	
	RB-W-040-50	5/18/2023	185411.38	2986333.07	
	RB-W-039-92	5/18/2023	185362.76	2986345.93	
	RB-W-038-62	5/18/2023	185266.8	2986320.48	
	RB-W-038-35	5/18/2023	185249.95	2986301.98	
East	RB-E-002-13	5/18/2023	183362.86	2987701.86	
	RB-E-009-37	5/18/2023	183667.44	2987465.99	
	RB-E-011-16	5/18/2023	183562.33	2987298.3	
	RB-E-015-53	5/18/2023	183667.18	2987143.58	
	RB-E-015-69	5/18/2023	183684.39	2987125.74	
	RB-E-016-63	5/18/2023	183740.64	2987045.05	
	RB-E-016-83	5/18/2023	183752.75	2987024.32	
West	RB-W-003-88	5/18/2023	183189.25	2987609.45	
	RB-W-004-17	5/18/2023	183210.44	2987569.14	
	RB-W-013-30	5/18/2023	183413.73	2987159.16	
	RB-W-045-64	5/18/2023	185928.28	2986373.36	
	RB-W-043-77	5/18/2023	185749.93	2986288.43	
	RB-W-043-58	5/18/2023	185725.25	2986284.96	
	RB-W-043-18	5/18/2023	185675.94	2986286.29	
	RB-W-041-63	5/18/2023	185528.05	2986307.85	
	RB-W-041-13	5/18/2023	185480.13	2986307.69	
	RB-W-040-90	5/18/2023	185455.06	2986313.13	
	RB-W-039-27	5/18/2023	185312.67	2986340.34	
	RB-W-038-91	5/18/2023	185289.87	2986330.03	
	RB-W-037-77	5/18/2023	185186.92	2986270.05	
	RB-W-038-14	5/18/2023	185234.96	2986282.42	
	RB-W-037-94	5/18/2023	185211.31	2986275.69	
	RB-W-037-54	5/18/2023	185162.74	2986263.31	
	RB-W-058-43	5/19/2023	186805.96	2986372.24	
	RB-W-060-18	5/19/2023	186878.69	2986213.12	
	RB-W-061-24	5/19/2023	186911.47	2986118.78	
	RB-W-064-56	5/19/2023	186955.26	2985798.71	
	RB-W-065-01	5/19/2023	186965.54	2985750.43	
	RB-W-065-73	5/19/2023	186987.33	2985678.59	
	RB-W-066-40	5/19/2023	186998.15	2985629.92	
	RB-W-068-86	5/19/2023	186945.28	2985390.14	
	RB-W-070-13	5/19/2023	186928.8	2985267.16	
	RB-W-072-34	5/19/2023	186910.86	2985044.54	
	RB-W-072-80	5/19/2023	186913.86	2984995.57	
	RB-W-073-32	5/19/2023	186914.19	2984946.29	
	RB-W-077-86	5/19/2023	186834.21	2984508.89	
	RB-W-078-11	5/19/2023	186830.5	2984484.03	
	RB-W-078-34	5/19/2023	186825.97	2984459.51	
	RB-W-081-52	5/19/2023	187009.26	2984179.23	
	RB-W-082-73	5/19/2023	187148.61	2984207.97	
	RB-W-050-17	5/19/2023	186351.43	2986562.71	
	RB-W-049-76	5/19/2023	186308.9	2986536.6	
	RB-W-049-31	5/19/2023	186267.8	2986508.8	
	RB-W-037-29	5/19/2023	185140.03	2986252.8	
	RB-W-036-89	5/19/2023	185091.24	2986248.15	
	RB-W-037-12	5/19/2023	185115.9	2986249.13	
	RB-W-035-67	5/19/2023	184959.43	2986308.67	
	RB-W-035-24	5/19/2023	184928.7	2986348	
	RB-W-034-65	5/19/2023	184894.01	2986384.32	
	RB-W-032-84	5/19/2023	184755.68	2986477.8	
	RB-W-032-32	5/19/2023	184707.15	2986487.1	
	RB-W-031-77	5/19/2023	184658.72	2986498.84	
	RB-W-058-94	5/19/2023	186828.13	2986327.6	
	RB-W-059-71	5/19/2023	186857.51	2986258.64	
	RB-W-062-01	5/19/2023	186933.44	2986046.97	
	RB-W-066-02	5/19/2023	186994.03	2985654.68	
	RB-W-069-87	5/19/2023	186930.66	2985292.4	
	RB-W-070-61	5/19/2023	186924.27	2985217.68	
	RB-W-070-84	5/19/2023	186921.93	2985193.59	
	RB-W-077-63	5/19/2023	186838.51	2984533.11	
	RB-W-078-57	5/19/2023	186822.93	2984434.73	
	RB-W-079-03	5/19/2023	186823.25	2984385.05	
	RB-W-079-22	5/19/2023	186822.28	2984360.34	
	RB-W-050-89	5/19/2023	186397.09	2986620.14	
	RB-W-048-83	5/19/2023	186224.01	2986486.61	
	RB-W-036-72	5/19/2023	185066.73	2986252.77	
	RB-W-036-50	5/19/2023	185042.26	2986257.74	
	RB-W-036-09	5/19/2023	184998.01	2986279.4	
	RB-W-034-14	5/19/2023	184861.99	2986418.86	
	RB-W-033-64	5/19/2023	184825.31	2986451.98	

Table C-1
Riverbank Sampling Field Data

Bank	Location	Collection Date	Easting (feet)	Northing (feet)	Location Notes
West (cont.)	RB-W-031-26	5/19/2023	184609.38	2986500.93	
	RB-W-030-74	5/19/2023	184560.36	2986499.18	
	RB-W-030-18	5/19/2023	184512.19	2986493.73	
	RB-W-029-65	5/19/2023	184465.01	2986480.9	
	RB-W-029-05	5/19/2023	184418.46	2986461.16	
	RB-W-028-51	5/19/2023	184378.55	2986430.88	
	RB-W-027-99	5/19/2023	184338.95	2986400.64	
	RB-W-027-53	5/19/2023	184297.2	2986376.04	
	RB-W-026-81	5/19/2023	184241.63	2986327.49	
	RB-W-098-17	5/23/2023	187345.6374	2983231.172	
	RB-W-099-65	5/23/2023	187425.09	2983181.3	
	RB-W-100-70	5/23/2023	187457.64	2983089.59	
	RB-W-101-29	5/23/2023	187461.54	2983039.4	
East	RB-E-099-37	5/23/2023	187516.83	2983256.07	
	RB-E-099-48	5/23/2023	187520.41	2983232.59	
	RB-E-101-05	5/23/2023	187529.23	2983063.51	
	RB-E-101-25	5/23/2023	187525.92	2983039.95	
	RB-E-101-46	5/23/2023	187527.8	2983014.77	
	RB-E-101-67	5/23/2023	187521.77	2982991.68	
	RB-E-101-87	5/23/2023	187512.31	2982968.25	
	RB-E-099-90	5/23/2023	187512.91	2983183.62	
	RB-E-100-11	5/23/2023	187512.95	2983158.41	Rejected toe
	RB-E-100-60	5/23/2023	187525.07	2983111.2	Rejected toe
	RB-E-100-80	5/23/2023	187525.28	2983088.06	Rejected toe
	RB-E-002-62	5/23/2023	183318.0811	2987679.694	
	RB-E-008-05	5/23/2023	183604.0012	2987595.8	
	RB-E-002-38	5/23/2023	183340.5945	2987691.507	
West	RB-W-005-05	5/23/2023	183314.8958	2987532.133	
	RB-W-004-06	5/23/2023	183191.1381	2987581.776	
	RB-W-074-30	5/23/2023	186914.6304	2984846.484	
East	RB-E-011-33	5/23/2023	183540.5662	2987286.622	
	RB-E-011-95	5/23/2023	183498.3501	2987266.904	

Notes:

1. Coordinates are listed in NAD83 State Plane Massachusetts Mainland (feet).

NAD83: North American Datum of 1983

Table C-2
Main Channel Sediment Sampling Field Data

Side of River	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
Center	SE-000-00-C	8/30/2022	183478.85	2987894.84		3.0	1.2	
East	SE-000-00-E	8/30/2022	183496.33	2987878.16		3.0	1.6	
West	SE-000-00-W	8/30/2022	183462.55	2987901.23	0.2	3.0	1.2	
Center	SE-002-42-C	8/30/2022	183324.91	2987718.44	2.5	3.0	1.9	
East	SE-002-42-E	8/30/2022	183330.15	2987714.69	2.2	3.0	1.9	
West	SE-002-42-W	8/30/2022	183317.37	2987731.77	1.2	3.0	1.9	
Center	SE-005-13-C	8/30/2022	183309.32	2987563.98	2.1	3.0	1.7	Location moved ~15 upstream to avoid log snag. EPA approval given.
East	SE-005-13-E	8/30/2022	183311.31	2987580.02	0.3	3.0	1.6	Location moved upstream ~15 to avoid log snag.
West	SE-005-13-W	8/30/2022	183306.00	2987545.22	2.1	3.0	1.7	Location moved upstream ~15' to avoid log snag. Sheen observed extracting core.
Center	SE-007-71-C	8/31/2022	183567.40	2987615.12	5.1	3.0	0.0	Abandoned after 3 attempts with no recovery; river bottom composed of cobbles.
East	SE-007-71-E	8/31/2022	183574.65	2987635.14	3.3	3.0	0.8	
West	SE-007-71-W	8/31/2022	183551.61	2987597.22	3.3	3.0	1.3	
Center	SE-010-20-C	8/31/2022	183620.25	2987389.31	2.0	3.0	1.8	
East	SE-010-20-E	8/31/2022	183620.25	2987389.31	3.0	3.0	1.8	
West	SE-010-20-W	8/31/2022	183606.37	2987395.81	1.0	3.0	1.7	
Center	SE-012-76-C	9/1/2022	183432.36	2987224.81	2.2	3.0	2.3	
East	SE-012-76-E	9/1/2022	183448.62	2987228.13	0.6	3.0	1.9	
West	SE-012-76-W	9/1/2022	183419.95	2987232.57	0.6	3.0	1.6	
Center	SE-015-43-C	9/1/2022	183644.92	2987130.29	1.5	3.0	2.1	
East	SE-015-43-E	9/1/2022	183651.06	2987148.48	1.4	3.0	1.6	
West	SE-015-43-W	9/1/2022	183634.05	2987111.00	1.0	3.0	1.7	
Center	SE-017-96-C	9/2/2022	183766.75	2986909.32	0.3	3.0	1.6	
East	SE-017-96-E	9/2/2022	183779.13	2986922.81	2.1	3.0	1.8	
West	SE-017-96-W	9/2/2022	183740.46	2986898.98	0.0	3.0	1.7	
Center	SE-020-47-C	9/2/2022	183845.56	2986674.04	0.6	3.0	1.8	
East	SE-020-47-E	9/2/2022	183862.91	2986685.15	1.2	3.0	2.0	
West	SE-020-47-W	9/2/2022	183832.14	2986671.24	0.6	3.0	1.9	
Center	SE-022-98-C	9/7/2022	183924.85	2986437.59	2.6	3.0	3.0	
East	SE-022-98-E	9/7/2022	183937.01	2986442.21	1.2	3.0	1.7	
West	SE-022-98-W	9/7/2022	183900.84	2986425.28	3.1	3.0	2.2	
Center	SE-025-59-C	9/9/2022	184115.16	2986303.07	3.9	3.0	2.1	
East	SE-025-59-E	9/9/2022	184110.20	2986319.88	1.8	3.0	1.4	
West	SE-025-59-W	9/9/2022	184119.40	2986301.03	3.1	3.0	1.9	
Center	SE-028-11-C	9/9/2022	184320.71	2986444.26	0.9	3.0	1.6	
East	SE-028-11-E	9/9/2022	184308.59	2986462.05		3.0	1.8	
West	SE-028-11-W	9/9/2022	184336.69	2986430.69	1.9	3.0	1.9	
Center	SE-030-61-C	9/9/2022	184545.91	2986542.49		3.0	2.4	
East	SE-030-61-E	9/9/2022	184546.11	2986558.58		3.0	2.3	
West	SE-030-61-W	9/9/2022	184549.73	2986523.01	1.8	3.0	1.4	
Center	SE-033-10-C	9/12/2022	184791.12	2986504.35	2.8	3.0	2.0	
East	SE-033-10-E	9/12/2022	184796.03	2986512.85	3.2	3.0	2.1	
West	SE-033-10-W	9/12/2022	184785.42	2986491.37	1.7	3.0	2.0	
Center	SE-035-62-C	9/12/2022	184984.21	2986342.55	0.1	3.0	1.7	
East	SE-035-62-E	9/12/2022	184995.25	2986358.71		3.0	1.5	

Table C-2
Main Channel Sediment Sampling Field Data

Side of River	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
West	SE-035-62-W	9/12/2022	184969.20	2986335.10	0.2	3.0	1.7	
Center	SE-038-10-C	9/14/2022	185206.20	2986317.02	2.0	3.0	1.2	
East	SE-038-10-E	9/14/2022	185198.62	2986332.36	1.3	3.0	1.8	
West	SE-038-10-W	9/14/2022	185215.19	2986297.20	3.4	3.0	1.9	
Center	SE-040-65-C	9/15/2022	185439.86	2986367.41	2.2	1.8	0.7	Refusal on all three attempts, deepest advance 1.8'.
East	SE-040-65-E	9/15/2022	185442.06	2986392.00	0.8	3.0	1.6	
West	SE-040-65-W	9/15/2022	185430.76	2986356.67	1.6	2.5	1.7	Probe reached 3' but only after hitting refusal on several previous attempts. Refusal reached on all three attempts, deepest advance 2.5'.
Center	SE-043-16-C	9/15/2022	185684.42	2986324.70		2.7	1.0	Refusal met on all three attempts, farthest advance 2.65'.
East	SE-043-16-E	9/15/2022	185685.86	2986352.32	0.7	3.0	1.7	
West	SE-043-16-W	9/15/2022	185684.25	2986314.19	2.1	2.6	1.7	Refusal on all 3 attempts, 2.6' maximum penetration.
Center	SE-045-68-C	9/15/2022	185917.46	2986400.17	3.0	3.0	1.9	
East	SE-045-68-E	9/15/2022	185909.64	2986421.24	2.0	3.0	2.0	
West	SE-045-68-W	9/15/2022	185921.49	2986386.64	2.5	2.6	1.4	Refusal on all 3 attempts, max penetrations 2.6'.
Center	SE-048-18-C	9/16/2022	186142.51	2986512.67	0.7	3.0	1.6	
East	SE-048-18-E	9/16/2022	186125.40	2986536.16	1.1	3.0	1.9	Location moved upstream to avoid bridge apron and therefore refusal at ~6". Strong product odor and sheen from sample.
West	SE-048-18-W	9/16/2022	186158.91	2986486.55	0.8	3.0	1.8	Moderate product odor. Sheen coming off sample.
Center	SE-050-67-C	9/16/2022	186355.26	2986635.35	1.0	1.8	0.9	Refusal met on all 3 attempts, farthest advance 1.78'. Probe did not penetrate further than 2'.
East	SE-050-67-E	9/16/2022	186341.56	2986649.99		3.0	1.4	
West	SE-050-67-W	9/16/2022	186369.80	2986625.51		0.0	0.0	Abandoned after 3 attempts with no recovery.
Center	SE-053-14-C	9/16/2022	186552.77	2986781.69	1.5	3.0	1.9	
East	SE-053-14-E	9/16/2022	186550.21	2986801.06	2.9	3.0	2.0	
West	SE-053-14-W	9/16/2022	186558.55	2986761.37	0.4	3.0	1.6	Mild product odor.
Center	SE-055-67-C	9/16/2022	186719.58	2986659.12	3.6	0.6	0.0	Abandoned after 3 attempts with no recovery. Visible cobbles and boulders 50' up and downstream of location.
East	SE-055-67-E	9/16/2022	186741.00	2986653.26	1.2	0.1	0.0	Abandoned after 3 attempts with no recovery. Visible cobbles and boulders 50' up and downstream of location.
West	SE-055-67-W	9/16/2022	186707.09	2986654.96	1.9	3.0	1.6	Location moved upstream out of cobbles and boulders that probe could not penetrate.
Center	SE-058-17-C	9/16/2022	186834.65	2986417.72	1.3	3.0	1.7	Refusal met at 2.65' and 2.8' on two attempts, 3rd reached depth of 3'.
East	SE-058-17-E	9/16/2022	186849.72	2986425.29	1.4	3.0	1.5	
West	SE-058-17-W	9/16/2022	186813.13	2986406.13	1.7	3.0	1.9	
Center	SE-060-66-C	9/19/2022	186935.68	2986192.31	1.0	3.0	1.4	
East	SE-060-66-E	9/19/2022	186958.42	2986199.33	1.2	3.0	1.7	
West	SE-060-66-W	9/19/2022	186915.03	2986185.70	1.3	3.0	1.3	Refusal reached on all 3 attempts, 2.75' furthest advance of sampler.
Center	SE-063-17-C	9/19/2022	186983.50	2985949.09	0.9	3.0	1.7	
East	SE-063-17-E	9/19/2022	187004.49	2985948.67		3.0	1.7	Sheen coming off sample core, moderate product odor.
West	SE-063-17-W	9/19/2022	186963.43	2985946.61	0.3	3.0	1.5	
Center	SE-065-69-C	9/20/2022	187026.15	2985702.01	1.9	3.0	1.8	
East	SE-065-69-E	9/20/2022	187043.08	2985705.91	1.6	3.0	1.5	
West	SE-065-69-W	9/20/2022	187007.37	2985693.45	1.9	3.0	1.7	
Center	SE-068-20-C	9/20/2022	186988.60	2985460.20		2.5	1.5	Refusal met on all 3 attempts. Furthest advance 2.47'.
East	SE-068-20-E	9/20/2022	187006.29	2985456.85	2.6	0.5	0.5	Dense cobbles and boulders. Could not advance probe past 0.6'. Refusal at 0.5'.
West	SE-068-20-W	9/20/2022	186975.84	2985454.66	2.3	3.0	1.7	
Center	SE-070-71-C	9/20/2022	186964.69	2985208.26	1.2	3.0	1.9	
East	SE-070-71-E	9/20/2022	186980.41	2985207.94	0.6	3.0	1.7	Sheen and mild product odor coming off core.
West	SE-070-71-W	9/20/2022	186947.04	2985215.12	2.4	3.0	1.9	
Center	SE-073-21-C	9/20/2022	186956.61	2984960.38	1.2	2.7	1.8	

Table C-2
Main Channel Sediment Sampling Field Data

Side of River	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
East	SE-073-21-E	9/20/2022	186975.28	2984958.33	1.0	3.0	1.8	
West	SE-073-21-W	9/20/2022	186935.07	2984957.73	1.1	3.0	1.8	
Center	SE-075-71-C	9/21/2022	186931.74	2984713.64	1.8	3.0	1.8	
East	SE-075-71-E	9/21/2022	186948.73	2984707.99	2.9	2.7	1.7	Refusal met on all 3 attempts. Farthest advance 2.65'.
West	SE-075-71-W	9/21/2022	186916.34	2984710.56	1.5	3.0	2.2	
Center	SE-078-22-C	9/21/2022	186861.54	2984466.02	1.1	3.0	1.8	
East	SE-078-22-E	9/21/2022	186881.07	2984466.58		3.0	1.7	
West	SE-078-22-W	9/21/2022	186842.85	2984470.90	2.1	3.0	1.7	
Center	SE-080-85-C	9/21/2022	186960.98	2984248.59	2.7	3.0	1.4	
East	SE-080-85-E	9/21/2022	186969.27	2984262.68	0.9	3.0	1.8	Product odor coming from core
West	SE-080-85-W	9/21/2022	186950.81	2984232.36	3.5	3.0	1.9	
Center	SE-083-54-C	9/21/2022	187183.49	2984300.62	4.1	3.0	1.3	
East	SE-083-54-E	9/21/2022	187176.45	2984300.55	1.9	3.0	2.0	
West	SE-083-54-W	9/21/2022	187193.33	2984284.38	1.8	2.3	1.7	
Center	SE-086-13-C	9/29/2022	187396.21	2984310.18	3.8	3.0	2.3	
East	SE-086-13-E	9/29/2022	187414.89	2984313.92	2.9	3.0	2.1	
West	SE-086-13-W	9/29/2022	187382.66	2984308.55	3.0	3.0	2.0	
Center	SE-088-70-C	9/29/2022	187294.41	2984083.70	3.2	3.0	1.7	
East	SE-088-70-E	9/29/2022	187305.90	2984071.99	1.9	3.0	2.1	
West	SE-088-70-W	9/29/2022	187286.48	2984090.44	1.7	3.0	2.0	
Center	SE-091-28-C	9/29/2022	187269.69	2983863.09	3.4	3.0	2.1	
East	SE-091-28-E	9/29/2022	187277.69	2983876.69	1.5	3.0	1.2	
West	SE-091-28-W	9/29/2022	187269.30	2983854.06	3.2	3.0	1.7	
Center	SE-093-75-C	9/29/2022	187390.59	2983649.42	1.9	3.0	1.6	
East	SE-093-75-E	9/29/2022	187409.06	2983656.60	0.4	3.0	1.4	
West	SE-093-75-W	9/29/2022	187378.78	2983647.55	1.9	3.0	2.0	
Center	SE-096-27-C	10/3/2022	187336.06	2983420.60	1.2	3.0	1.7	
East	SE-096-27-E	10/3/2022	187347.28	2983412.44	2.8	3.0	1.9	
West	SE-096-27-W	10/3/2022	187327.45	2983429.34	0.9	3.0	1.8	
Center	SE-099-02-C	9/27/2022	187434.77	2983254.44		3.0	2.1	
East	SE-099-02-E	9/27/2022	187447.44	2983280.39		3.0	2.1	
West	SE-099-02-W	9/27/2022	187422.46	2983216.63	0.6	3.0	1.9	
Center	SE-101-54-C	10/3/2022	187492.56	2983016.79	0.9	3.0	1.6	
East	SE-101-54-E	10/3/2022	187510.94	2983015.46	2.1	3.0	1.8	
West	SE-101-54-W	10/3/2022	187473.45	2983021.08	0.6	3.0	1.9	
Center	SE-104-10-C	10/3/2022	187490.14	2982784.35	2.4	3.0	1.8	
East	SE-104-10-E	10/3/2022	187501.98	2982789.83	1.2	3.0	1.9	
West	SE-104-10-W	10/3/2022	187474.42	2982770.84	1.2	3.0	1.8	
Center	SE-106-72-C	10/3/2022	187534.82	2982569.37	2.1	3.0	1.8	
East	SE-106-72-E	10/3/2022	187547.40	2982556.91	1.3	3.0	1.6	
West	SE-106-72-W	10/3/2022	187531.39	2982577.90	1.0	3.0	1.2	
Center	SE-109-32-C	10/3/2022	187313.37	2982544.25	1.0	3.0	1.6	
East	SE-109-32-E	10/3/2022	187303.62	2982526.41	3.4	3.0	1.5	
West	SE-109-32-W	10/3/2022	187320.21	2982570.90	1.4	3.0	1.9	

Table C-2
Main Channel Sediment Sampling Field Data

Side of River	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
Center	SE-111-89-C	10/4/2022	187083.47	2982627.32	0.8	3.0	1.0	
East	SE-111-89-E	10/4/2022	187081.51	2982617.90	0.3	0.9	0.5	
West	SE-111-89-W	10/4/2022	187082.18	2982644.43	3.5	2.1	2.1	
Center	SE-114-39-C	10/4/2022	186844.20	2982694.44	1.3	1.0	0.7	
East	SE-114-39-E	10/4/2022	186836.98	2982670.40	1.3	2.4	1.4	
West	SE-114-39-W	10/4/2022	186842.72	2982712.84	1.9	3.0	1.7	
Center	SE-116-83-C	10/4/2022	186631.66	2982623.08	3.8	3.0	1.4	
East	SE-116-83-E	10/4/2022	186642.38	2982606.61	0.8	1.5	0.9	
West	SE-116-83-W	10/4/2022	186624.76	2982626.25	2.0	3.0	2.0	
Center	SE-119-36-C	10/6/2022	186426.99	2982481.23	3.3	3.0	2.0	
East	SE-119-36-E	10/6/2022	186451.14	2982473.53	1.2	3.0	2.1	
West	SE-119-36-W	10/6/2022	186402.56	2982494.10	3.5	3.0	1.3	
Center	SE-121-90-C	10/6/2022	186422.26	2982221.21		3.0	1.9	
East	SE-121-90-E	10/6/2022	186445.38	2982224.72	2.7	3.0	1.9	
West	SE-121-90-W	10/6/2022	186403.02	2982234.34	1.9	3.0	1.8	
Center	SE-124-36-C	10/6/2022	186212.49	2982120.98	3.0	3.0	1.6	
East	SE-124-36-E	10/6/2022	186234.04	2982115.70	1.9	3.0	1.7	
West	SE-124-36-W	10/6/2022	186193.76	2982130.60	3.9	3.0	1.3	
Center	SE-126-88-C4	10/7/2022	186117.20	2981843.20	1.9	4.0	2.6	
East	SE-126-88-E4	10/7/2022	186140.14	2981873.19	1.6	4.0	2.1	
West	SE-126-88-W4	10/7/2022	186096.22	2981912.56	1.0	4.0	2.1	
Center	SE-129-41-C	10/7/2022	186121.26	2981658.39	0.8	3.0	1.9	
East	SE-129-41-E	10/7/2022	186142.15	2981669.49	1.7	3.0	1.8	
West	SE-129-41-W	10/7/2022	186099.83	2981652.31	1.2	3.0	1.3	
Center	SE-131-91-C	10/7/2022	186196.56	2981418.90	2.5	3.0	1.8	
East	SE-131-91-E	10/7/2022	186215.43	2981421.82	1.2	3.0	1.8	
West	SE-131-91-W	10/7/2022	186179.38	2981413.61	2.0	3.0	1.4	
Center	SE-134-45-C	10/20/2022	186211.34	2981160.45	4.1	3.0	1.7	
East	SE-134-45-E	10/20/2022	186229.73	2981158.09	3.0	3.0	1.0	
West	SE-134-45-W	10/20/2022	186196.46	2981169.80	2.9	3.0	2.0	
Center	SE-136-95-C	10/21/2022	186059.11	2980976.87	4.2	3.0	1.6	
East	SE-136-95-E	10/21/2022	186076.86	2980965.27	3.3	3.0	1.7	
West	SE-136-95-W	10/21/2022	186046.40	2980980.57	0.5	3.0	2.0	Hand driven and gas driven sampling conducted to determine method to improve recovery.
Center	SE-139-45-C	10/21/2022	186224.32	2980843.22	3.4	3.0	1.4	
East	SE-139-45-E	10/21/2022	186219.09	2980867.50	2.4	3.0	2.0	Location moved to avoid deadfall in the river.
West	SE-139-45-W	10/21/2022	186253.18	2980815.22	2.1	3.0	2.1	Location moved to avoid deadfall in river.
Center	SE-142-07-C	10/21/2022	186403.55	2980683.04	2.9	3.0	1.5	
East	SE-142-07-E	10/21/2022	186420.23	2980680.57	6.0	3.0	1.7	
West	SE-142-07-W	10/21/2022	186391.38	2980684.00	1.8	3.0	2.3	
Center	SE-144-57-C	10/26/2022	186530.32	2980633.60	3.1	3.0	1.1	
East	SE-144-57-E	10/26/2022	186516.21	2980646.03	2.7	3.0	1.4	
West	SE-144-57-W	10/26/2022	186540.41	2980617.44	4.8	3.0	1.4	
Center	SE-147-09-C	10/26/2022	186664.91	2980834.31	1.8	3.0	2.2	
East	SE-147-09-E	10/26/2022	186646.13	2980845.33		3.0	2.1	

Table C-2
Main Channel Sediment Sampling Field Data

Side of River	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
West	SE-147-09-W	10/26/2022	186688.20	2980826.51	3.3	3.0	1.9	
Center	SE-149-52-C	11/9/2022	186884.26	2980861.75	2.2	3.0	1.4	
East	SE-149-52-E	11/9/2022	186882.43	2980876.69	5.5	3.0	0.7	
West	SE-149-52-W	11/9/2022	186893.46	2980836.37	0.0	3.0	2.3	
Center	SE-152-01-C	11/9/2022	187041.30	2981050.63	3.4	3.0	1.2	
East	SE-152-01-E	11/10/2022	187031.02	2981067.60	3.1	3.0	1.6	
West	SE-152-01-W	11/10/2022	187059.39	2981043.62	2.9	3.0	1.1	
Center	SE-154-51-C	11/10/2022	187228.18	2981222.25	2.5	3.0	1.4	
East	SE-154-51-E	11/10/2022	187213.05	2981243.90	2.9	3.0	1.8	
West	SE-154-51-W	11/10/2022	187237.77	2981208.58		3.0	2.0	
Center	SE-157-01-C	11/10/2022	187424.58	2981376.15	1.2	3.0	2.0	
East	SE-157-01-E	11/10/2022	187409.92	2981392.45	3.2	3.0	1.5	
West	SE-157-01-W	11/10/2022	187436.29	2981355.31	0.4	3.0	1.6	
Center	SE-159-59-C	11/11/2022	187621.11	2981278.57	2.0	0.5	0.0	Abandoned after 3 attempts with no recovery; river bottom composed of cobbles.
East	SE-159-59-E	11/11/2022	187633.91	2981287.10	0.7	1.1	0.0	Abandoned after 3 attempts with no recovery; river bottom composed of cobbles.
West	SE-159-59-W	11/11/2022	187608.22	2981273.25	0.8	1.9	1.0	
Center	SE-162-09-C	11/11/2022	187768.63	2981079.99	3.5	0.7	0.0	Abandoned after 3 attempts with no recovery; river bottom composed of cobbles.
East	SE-162-09-E	11/9/2023	187781.41	2981088.02	5.0	3.0	0.0	Abandoned after 3 attempts with no recovery; river bottom composed of cobbles.
West	SE-162-09-W	11/11/2022	187733.25	2981094.76	1.8	1.1	0.6	
Center	SE-164-59-C	11/11/2022	187884.58	2980863.74	2.5	3.0	1.3	
East	SE-164-59-E	11/11/2022	187901.31	2980870.65	1.9	3.0	1.5	
West	SE-164-59-W	11/11/2022	187865.11	2980856.18	2.8	3.0	1.9	
Center	SE-167-11-C	11/11/2022	187992.21	2980638.03	2.0	2.0	1.1	
East	SE-167-11-E	11/15/2022	188022.61	2980622.83	1.6	1.3	0.7	
West	SE-167-11-W	11/15/2022	187970.21	2980624.47	1.7	3.0	1.4	
Center	SE-169-65-C	11/15/2022	188156.44	2980456.35	2.8	3.0	1.5	
East	SE-169-65-E	11/15/2022	188174.02	2980461.50	1.5	3.0	1.6	
West	SE-169-65-W	11/15/2022	188143.95	2980441.77	3.1	3.0	1.5	
Center	SE-172-16-C	11/15/2022	188309.12	2980256.83	2.8	3.0	1.6	
East	SE-172-16-E	11/15/2022	188325.72	2980263.62	3.0	3.0	1.9	
West	SE-172-16-W	11/15/2022	188294.08	2980240.03	2.0	3.0	2.0	
Center	SE-174-79-C	11/17/2022	188235.22	2980023.02			0.0	Abandoned after 3 attempts with no recovery.
East	SE-174-79-E	11/17/2022	188248.55	2980013.37			0.0	Abandoned after 3 attempts with no recovery.
West	SE-174-79-W	11/17/2022	188178.21	2979968.89	0.9	3.0	1.8	
Center	SE-177-31-C	11/17/2022	188109.52	2979810.29	3.4	3.0	1.5	
East	SE-177-31-E	11/17/2022	188132.14	2979801.51	3.5	3.0	1.1	
West	SE-177-31-W	11/17/2022	188090.67	2979819.75	3.1	3.0	1.5	
Center	SE-179-81-C	11/18/2022	188018.42	2979577.98	2.3	3.0	1.6	
East	SE-179-81-E	11/18/2022	188038.86	2979568.92	1.9	3.0	1.8	
West	SE-179-81-W	11/18/2022	187997.91	2979588.08	3.0	3.0	1.4	
Center	SE-182-31-C	11/18/2022	187903.57	2979361.88	2.0	3.0	1.9	
East	SE-182-31-E	11/18/2022	187921.90	2979340.19	3.7	3.0	1.6	
West	SE-182-31-W	11/18/2022	187883.85	2979373.29	2.6	3.0	1.4	
Center	SE-184-82-C	12/2/2022	187665.22	2979297.33	5.9	3.0	1.0	

Table C-2
Main Channel Sediment Sampling Field Data

Side of River	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
East	SE-184-82-E	12/2/2022	187670.35	2979271.87	3.2	3.0	1.0	
West	SE-184-82-W	12/2/2022	187652.64	2979315.73	4.5	3.0	0.9	
Center	SE-187-42-C	11/22/2022	187461.01	2979150.34	2.2	3.0	1.7	
East	SE-187-42-E	11/22/2022	187483.52	2979155.22	1.0	3.0	1.6	
West	SE-187-42-W	11/22/2022	187446.01	2979154.77	3.2	3.0	0.6	
Center	SE-190-03-C	12/2/2022	187580.20	2978925.33	6.0	3.0	1.4	
East	SE-190-03-E	12/2/2022	187598.59	2978932.62	5.0	3.0	0.9	
West	SE-190-03-W	12/2/2022	187559.83	2978918.69	3.4	3.0	1.4	
Center	SE-192-56-C	11/22/2022	187581.03	2978676.11	3.5	3.0	1.6	
East	SE-192-56-E	11/22/2022	187602.33	2978669.10	2.6	3.0	1.8	
West	SE-192-56-W	11/22/2022	187560.12	2978682.90	2.3	3.0	1.7	
Center	SE-195-10-C	11/22/2022	187588.23	2978426.42	2.3	3.0	1.6	
East	SE-195-10-E	11/22/2022	187610.29	2978436.62	1.1	3.0	1.8	
West	SE-195-10-W	11/22/2022	187569.70	2978424.22	3.1	3.0	1.3	
Center	SE-197-61-C	11/22/2022	187651.62	2978187.87	3.0	3.0	1.7	
East	SE-197-61-E	11/22/2022	187670.51	2978213.26	3.9	3.0	1.5	
West	SE-197-61-W	11/22/2022	187631.77	2978186.35	1.4	3.0	1.7	
Center	SE-200-12-C	11/23/2022	187605.03	2977940.86	2.8	3.0	1.3	
East	SE-200-12-E	11/23/2022	187626.10	2977936.06	2.1	3.0	1.6	
West	SE-200-12-W	11/23/2022	187583.10	2977942.81	2.8	3.0	1.3	
Center	SE-202-64-C	11/23/2022	187593.98	2977690.26	1.4	3.0	1.6	
East	SE-202-64-E	11/23/2022	187611.84	2977682.33	1.4	3.0	1.6	
West	SE-202-64-W	11/23/2022	187570.35	2977692.99	2.8	3.0	1.3	
Center	SE-205-17-C	12/2/2022	187457.22	2977490.36	7.0	3.0	1.3	
East	SE-205-17-E	12/2/2022	187463.44	2977470.35	4.3	3.0	1.0	
West	SE-205-17-W	12/2/2022	187450.22	2977503.22	3.7	3.0	1.3	
Center	SE-207-91-C	11/23/2022	187279.81	2977595.08	3.9	3.0	1.3	
East	SE-207-91-E	11/23/2022	187254.01	2977591.11	3.7	3.0	1.3	
West	SE-207-91-W	11/23/2022	187295.05	2977595.74	0.3	3.0	1.7	
Center	SE-210-40-C	11/23/2022	187264.49	2977845.97	2.5	3.0	1.5	
East	SE-210-40-E	11/23/2022	187247.12	2977839.47	2.1	3.0	1.5	
West	SE-210-40-W	11/23/2022	187284.35	2977847.99	3.4	3.0	1.4	
Center	SE-212-90-C	5/15/2023	187181.25	2978073.07	2.8	3.0	1.6	
East	SE-212-90-E	5/15/2023	187163.77	2978064.55	2.1	3.0	2.0	
West	SE-212-90-W	5/15/2023	187198.74	2978081.59		3.0	1.9	
Center	SE-215-39-C	5/15/2023	187061.35	2978291.16		3.0	1.6	
East	SE-215-39-E	5/15/2023	187045.37	2978279.04		3.0	2.3	
West	SE-215-39-W	5/15/2023	187077.33	2978303.28		3.0	1.4	
Center	SE-217-93-C	5/15/2023	186860.35	2978417.20		3.0	1.7	
East	SE-217-93-E	5/15/2023	186860.86	2978399.90	1.5	3.0	2.0	
West	SE-217-93-W	5/16/2023	186859.85	2978434.50	6.4	3.0	2.0	
Center	SE-220-47-C	5/16/2023	186653.55	2978288.30	2.6	3.0	1.8	
East	SE-220-47-E	5/16/2023	186666.64	2978275.87	2.5	3.0	1.7	
West	SE-220-47-W	5/16/2023	186640.47	2978300.74	2.9	3.0	1.7	

Table C-2
Main Channel Sediment Sampling Field Data

Side of River	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
Center	SE-223-00-C	5/16/2023	186518.87	2978082.00	2.9	3.0	1.4	
East	SE-223-00-E	5/16/2023	186536.55	2978082.62	0.3	3.0	2.1	
West	SE-223-00-W	5/16/2023	186501.18	2978081.39	6.3	3.0	1.5	
Center	SE-225-70-C	5/16/2023	186729.35	2977986.48	3.3	3.0	1.5	
East	SE-225-70-E	5/16/2023	186732.43	2978007.38	1.9	3.0	1.3	
West	SE-225-70-W	5/16/2023	186726.27	2977965.59	2.8	3.0	1.6	
Center	SE-228-20-C	5/17/2023	186954.83	2977888.39	2.3	3.0	1.5	Transect moved upstream ~20' to avoid large snag.
East	SE-228-20-E	5/17/2023	186970.23	2977900.56	3.7	3.0	1.7	Transect moved ~20 upstream to avoid large snag.
West	SE-228-20-W	5/17/2023	186939.42	2977876.21	2.2	3.0	1.9	Transect moved ~20' upstream to avoid snag.
Center	SE-230-73-C	5/17/2023	186975.99	2977651.84	2.2	3.0	1.7	
East	SE-230-73-E	5/17/2023	186994.08	2977646.10	6.2	3.0	1.5	
West	SE-230-73-W	5/17/2023	186957.90	2977657.58	2.1	3.0	1.7	
Center	SE-233-25-C	5/17/2023	186836.09	2977447.26	2.8	3.0	1.5	
East	SE-233-25-E	5/17/2023	186845.63	2977433.71	3.9	3.0	1.7	
West	SE-233-25-W	5/17/2023	186826.54	2977460.81	1.8	3.0	1.9	
Center	SE-235-82-C	5/18/2023	186627.72	2977317.86	3.0	3.0	1.3	
East	SE-235-82-E	5/18/2023	186647.15	2977311.71	4.5	3.0	1.1	
West	SE-235-82-W	5/18/2023	186608.29	2977324.01		3.0	1.9	
Center	SE-238-37-C	5/18/2023	186792.68	2977167.60	2.2	3.0	1.6	
East	SE-238-37-E	5/18/2023	186813.66	2977183.38	5.9	3.0	1.1	
West	SE-238-37-W	5/18/2023	186771.70	2977151.82		3.0	2.6	
Center	SE-240-80-C	5/18/2023	186736.02	2976944.70	4.2	3.0	1.9	
East	SE-240-80-E	5/18/2023	186748.63	2976931.72	6.8	3.0	1.8	
West	SE-240-80-W	5/18/2023	186723.41	2976957.68	2.8	3.0	1.9	
Center	SE-243-34-C	5/19/2023	186492.99	2976884.39	3.8	3.0	1.3	
East	SE-243-34-E	5/19/2023	186489.08	2976865.66	5.1	3.0	1.9	
West	SE-243-34-W	5/19/2023	186496.90	2976903.11	2.2	3.0	1.6	
Center	SE-246-01-C	5/19/2023	186261.42	2976851.67	1.9	3.0	1.6	
East	SE-246-01-E	5/19/2023	186277.34	2976838.37	0.7	3.0	2.0	
West	SE-246-01-W	5/19/2023	186245.49	2976864.98	2.6	3.0	1.8	

Notes:
1. Coordinates are based on NAD83 Massachusetts State Plane (Mainland; feet).

NAD83: North American Datum of 1983

Table C-3
Supplemental Main Channel Sediment Sampling Field Data

Side of River	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Distance From Proposed Location (feet)	Water Depth (Feet)	Penetration (feet)	Recovery (feet)	Notes
Center	SE-000+00-C	4/19/2023	183478.2	2987887.5	0.26	1.8	4.0	3.4	
East	SE-000+00-E	4/19/2023	183491.0	2987874.4	4.14	2.0	4.0	3.0	
West	SE-000+00-W	4/19/2023	183461.2	2987899.4	0.44	1.4	3.5	3.0	
Center	SE-025+59-C	4/19/2023	184117.5	2986292.8	3.88	6.1	4.5	4.3	
East	SE-025+59-E	4/19/2023	184107.6	2986316.2	6.34	2.7	4.0	3.3	
West	SE-025+59-W	4/19/2023	184122.8	2986278.0	4.38	4.5	4.0	4.1	
Center	SE-043+16-C	4/20/2023	185686.3	2986323.4	3.99	2.4	4.5	3.3	
East	SE-043+16-E	4/20/2023	185684.0	2986347.7	2.77	2.3	4.0	3.5	
West	SE-043+16-W	4/20/2023	185682.1	2986310.9	3.52	3.0	4.5	3.8	
Center	SE-068+20-C	4/20/2023	186992.0	2985454.6	2.38	3.8	4.0	2.1	
East	SE-068+20-E	4/20/2023	187008.2	2985451.9	2.1	4.0	2.0	2.1	
West	SE-068+20-W	4/20/2023	186973.6	2985455.7	0.28	4.2	2.5	1.8	
Center	SE-078+22-C	4/20/2023	186875.3	2984513.6	49.74	2.1	3.3	3.2	Offset due to fallen trees
East	SE-078+22-E	4/20/2023	186889.1	2984509.2	48.01	1.2	4.0	3.0	Offset due to fallen trees
West	SE-078+22-W	4/20/2023	186848.7	2984519.9	51.52	3.2	5.0	4.2	Offset due to fallen trees
Center	SE-091+28-C	4/21/2023	187266.8	2983853.7	3.66	4.2	4.0	3.6	
East	SE-091+28-E	4/21/2023	187282.1	2983867.9	2.52	1.4	5.0	3.5	
West	SE-091+28-W	4/21/2023	187250.3	2983846.2	9.19	3.8	4.0	3.8	
Center	SE-114+39-C	4/21/2023	186840.2	2982685.4	1.59	2.1	4.0	4.1	
East	SE-114+39-E	4/21/2023	186836.3	2982669.0	0.67	1.5	4.0	4.3	
West	SE-114+39-W	4/21/2023	186846.7	2982701.0	0.89	2.9	4.0	3.0	
Center	SE-134+45-C	4/21/2023	186211.9	2981162.4	1.45	5.9	4.5	4.2	
East	SE-134+45-E	4/21/2023	186241.6	2981158.7	12.81	1.4	3.5	3.1	Offset due to debris in river
West	SE-134+45-W	4/21/2023	186195.6	2981166.8	0.63	2.9	3.5	2.8	
Center	SE-149+52-C	4/22/2023	186885.0	2980853.8	0.22	2.7	3.5	3.1	
East	SE-149+52-E	4/22/2023	186878.0	2980875.6	1.03	4.0	4.0	3.6	
West	SE-149+52-W	4/21/2023	186892.1	2980831.3	1.85	n/a	3.5	3.5	Position of proposed location was on a mud flat above water line
Center	SE-182+31-C	4/22/2023	187901.2	2979353.4	2.01	1.4	4.0	3.3	
East	SE-182+31-E	4/22/2023	187921.4	2979335.7	1.12	3.0	4.0	3.5	
West	SE-182+31-W	4/22/2023	187883.2	2979369.5	1.24	2.1	4.0	3.7	

Notes:
1. Coordinates are based on NAD83 Massachusetts State Plane (Mainland; feet).

NAD83: North American Datum of 1983

Table C-4
Backwater Sediment Sampling Field Data

Backwater Area	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
BW5A-1	SE-BW5A-1-A-B-4	9/27/2022	187149.44	2984788.85		1.0	1.0	Vane Shear performed. Location moved North to get off bank and into low lying backwater area.
BW5A-1	SE-BW5A-1-B-3-4	9/27/2022	187180.57	2984820.67		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-B-4	9/27/2022	187184.07	2984780.28		1.0	1.0	
BW5A-1	SE-BW5A-1-B-C-2-3	9/27/2022	187189.25	2984869.39		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-B-C-8-9	9/23/2022	187218.83	2984577.40	0.1	1.0	1.0	
BW5A-1	SE-BW5A-1-C-2	9/28/2022	187213.92	2984907.66		1.0	1.0	
BW5A-1	SE-BW5A-1-C-7	9/26/2022	187227.46	2984656.01		1.0	1.0	Location moved off of raised bank into backwater area.
BW5A-1	SE-BW5A-1-C-7-8	9/26/2022	187222.80	2984619.04		1.0	0.9	Vane Shear Performed.
BW5A-1	SE-BW5A-1-C-D-2	9/28/2022	187243.28	2984916.69		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-C-D-2-3	9/28/2022	187250.31	2984874.33		1.0	1.0	
BW5A-1	SE-BW5A-1-C-D-5-6	9/27/2022	187264.02	2984724.79		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-C-D-6-7	9/26/2022	187256.49	2984676.21		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-C-D-7-8	9/26/2022	187259.95	2984627.25		1.0	1.0	
BW5A-1	SE-BW5A-1-C-D-8-9	9/23/2022	187260.49	2984573.39		1.0	1.0	
BW5A-1	SE-BW5A-1-D-3-4	9/27/2022	187261.91	2984817.15		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-D-4-5	9/27/2022	187261.17	2984773.68		1.0	1.0	
BW5A-1	SE-BW5A-1-D-5	9/27/2022	187285.46	2984740.55		1.0	1.0	
BW5A-1	SE-BW5A-1-D-E-2	9/28/2022	187291.87	2984925.11		1.0	0.8	
BW5A-1	SE-BW5A-1-D-E-2-3	9/28/2022	187292.34	2984877.18	0.2	1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-D-E-3-4	9/27/2022	187295.92	2984832.89		1.0	0.9	
BW5A-1	SE-BW5A-1-D-E-4-5	9/27/2022	187292.45	2984782.60		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-D-E-6-7	9/26/2022	187305.09	2984675.93	0.2	1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-D-E-7-8	9/26/2022	187308.85	2984624.34		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-D-E-8-9	9/23/2022	187310.65	2984578.39	0.2	1.0	1.0	
BW5A-1	SE-BW5A-1-D-E-9	9/23/2022	187323.32	2984545.31		1.0	1.0	
BW5A-1	SE-BW5A-1-E-F-2	9/28/2022	187338.51	2984919.35		1.0	0.6	Vane Shear Performed.
BW5A-1	SE-BW5A-1-E-F-2-3	9/28/2022	187341.56	2984869.39	0.5	1.0	1.0	
BW5A-1	SE-BW5A-1-E-F-3-4	9/28/2022	187352.19	2984832.75	0.3	1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-E-F-6-7	9/26/2022	187356.22	2984678.14		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-E-F-7-8	9/26/2022	187355.97	2984625.56	0.2	1.0	1.0	
BW5A-1	SE-BW5A-1-E-F-8-9	9/23/2022	187360.57	2984580.62	0.7	1.0	1.0	
BW5A-1	SE-BW5A-1-E-F-9-10	9/23/2022	187365.87	2984532.48		1.0	1.0	
BW5A-1	SE-BW5A-1-F-12	9/28/2022	187405.95	2984405.00		1.0	1.0	Location moved off high bank and into backwater channel. vane shear performed.
BW5A-1	SE-BW5A-1-F-13	9/28/2022	187400.05	2984376.54		1.0	0.6	Location moved off high bank and into backwater channel.
BW5A-1	SE-BW5A-1-F-2	9/28/2022	187380.42	2984915.41		1.0	0.8	
BW5A-1	SE-BW5A-1-F-5-6	9/26/2022	187378.15	2984722.47		1.0	0.9	Location moved to get off raised bank and into backwater.
BW5A-1	SE-BW5A-1-F-6	9/26/2022	187385.76	2984702.55		1.0	0.8	
BW5A-1	SE-BW5A-1-F-8	9/26/2022	187388.75	2984614.69	0.2	1.0	1.0	
BW5A-1	SE-BW5A-1-F-8-9	9/23/2022	187400.50	2984577.91	0.6	1.0	1.0	
BW5A-1	SE-BW5A-1-F-G-10-11	9/23/2022	187419.97	2984480.70		1.0	1.0	
BW5A-1	SE-BW5A-1-F-G-11-12	9/23/2022	187423.72	2984438.68		1.0	1.0	
BW5A-1	SE-BW5A-1-F-G-2-3	9/28/2022	187390.40	2984876.08	0.5	1.0	1.0	Vane Shear Performed.

Table C-4
Backwater Sediment Sampling Field Data

Backwater Area	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
BW5A-1	SE-BW5A-1-F-G-3-4	9/28/2022	187398.81	2984835.83		1.0	0.5	
BW5A-1	SE-BW5A-1-F-G-4-5	9/26/2022	187405.57	2984786.73		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-F-G-5-6	9/26/2022	187396.56	2984736.81		1.0	1.0	Vane Shear Performed.
BW5A-1	SE-BW5A-1-F-G-9-10	9/23/2022	187409.85	2984530.45	0.6	1.0	1.0	
BW5A-1	SE-BW5A-1-G-10-11	9/23/2022	187447.45	2984486.99		1.0	0.6	Location moved to be in backwater and not on bank.
BW5A-1	SE-BW5A-1-G-11-12	9/23/2022	187451.72	2984440.09		1.0	1.0	
BW5A-1	SE-BW5A-1-G-3	9/28/2022	187427.47	2984868.52		1.0	0.4	
BW5A-1	SE-BW5A-1-G-3-4	9/28/2022	187434.16	2984833.22		1.0	0.7	Vane Shear Performed.
BW5A-1	SE-BW5A-1-G-4-5	9/26/2022	187434.04	2984786.18	0.3	1.0	1.0	
BW5A-2	SE-BW5A-2-A-4	10/10/2022	186248.54	2982590.83	0.3	5.0	2.3	Strong product odor, sheen.
BW5A-2	SE-BW5A-2-A-B-3	10/10/2022	186274.75	2982623.00	0.3	5.0	2.5	
BW5A-2	SE-BW5A-2-A-B-5	10/10/2022	186244.11	2982540.94	0.0	5.0	3.2	
BW5A-2	SE-BW5A-2-B-2	10/10/2022	186308.01	2982644.17	0.1	5.0	2.5	
BW5A-2	SE-BW5A-2-B-C-1-2	10/11/2022	186345.10	2982678.40		5.0	2.8	
BW5A-2	SE-BW5A-2-B-C-5	10/10/2022	186273.01	2982500.57	0.0	5.0	2.3	
BW5A-2	SE-BW5A-2-C-D-1	10/11/2022	186392.49	2982682.17		5.0	3.3	
BW5A-2	SE-BW5A-2-C-D-5-6	10/10/2022	186319.07	2982470.11	0.1	5.0	3.3	Moderate product odor, sheen.
BW5A-2	SE-BW5A-2-D-1-2	10/11/2022	186426.58	2982651.73		5.0	3.2	
BW5A-2	SE-BW5A-2-D-5	10/10/2022	186358.77	2982478.49	0.1	5.0	2.5	Moderate product odor, sheen.
BW5A-3	SE-BW5A-3-A-B-1-2	10/12/2022	185963.75	2982078.68		5.0	3.9	
BW5A-3	SE-BW5A-3-A-B-2-3	10/12/2022	185959.21	2982038.33	0.7	5.0	3.3	
BW5A-3	SE-BW5A-3-A-B-3-4	10/12/2022	186018.93	2981831.54		5.0	2.7	
BW5A-3	SE-BW5A-3-A-B-4-5	10/12/2022	185964.22	2981930.03		5.0	2.7	
BW5A-3	SE-BW5A-3-A-B-5-6	10/12/2022	185970.64	2981887.35		5.0	2.9	
BW5A-3	SE-BW5A-3-B -7	10/12/2022	186018.93	2981831.54		5.0	3.1	
BW5A-3	SE-BW5A-3-B-1-2	10/12/2022	186013.77	2982093.87		5.0	3.5	
BW5A-3	SE-BW5A-3-B-5	10/12/2022	185999.84	2981901.84		5.0	3.5	
BW5A-3	SE-BW5A-3-B-5G_2210	10/12/2022	185999.16	2981901.84		5.0	3.5	
BW5A-3	SE-BW5A-3-B-6	10/12/2022	185980.89	2981861.99		5.0	3.5	
BW5A-3	SE-BW5A-3-B-7	10/12/2022	186018.93	2981831.54		5.0	3.1	
BW5A-4	SE-BW5A-4-A-B-1-2	10/11/2022	186034.04	2982020.48	1.0	5.0	2.4	
BW5A-4	SE-BW5A-4-A-B-2-3	10/11/2022	186046.21	2981962.79		5.0	3.5	
BW5A-4	SE-BW5A-4-A-B-3-4	10/11/2022	186083.44	2981913.22		5.0	3.8	
BW5A-4	PT-BW5A-4-A-B-1-2	10/11/2022	186034.34	2982020.48	1.0	5.0	2.4	
BW5A-4	PT-BW5A-4-A-B-3-4	10/11/2022	186083.44	2981913.22		5.0	3.8	
BW5A-5	SE-BW5A-5-A-B-19-20	11/4/2022	186223.67	2980160.64	0.2	5.0	2.4	
BW5A-5	SE-BW5A-5-A-B-2-3	10/24/2022	186835.41	2980767.72		5.0	4.6	Sampled in 2' increments, hand augured to depth of penetration between increments.
BW5A-5	SE-BW5A-5-A-B-20	11/7/2022	186202.50	2980140.68	0.4	5.0	2.0	
BW5A-5	SE-BW5A-5-A-B-3-4	10/25/2022	186795.97	2980732.19	0.4	5.0	3.7	
BW5A-5	SE-BW5A-5-B-2	10/24/2022	186859.53	2980788.92	0.3	5.0	4.1	Location sampled in 2' increments, hand augured to depth of penetrations after every 2' increment.
BW5A-5	SE-BW5A-5-B-3	10/25/2022	186842.92	2980740.04	1.1	5.0	2.3	
BW5A-5	SE-BW5A-5-B-3-4	10/24/2022	186812.09	2980708.51	0.2	5.0	5.0	Sampled in 2' increments, then hand augured to depth of penetration between increments.

Table C-4
Backwater Sediment Sampling Field Data

Backwater Area	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
BW5A-5	SE-BW5A-5-B-C-19-20	11/7/2022	186263.60	2980131.40	0.6	5.0	1.2	
BW5A-5	SE-BW5A-5-B-C-20	11/7/2022	186231.64	2980111.68		5.0	2.2	
BW5A-5	SE-BW5A-5-B-C-4-5	10/25/2022	186775.29	2980674.37	0.5	5.0	3.6	Location moved off steep bank and into backwater area.
BW5A-5	SE-BW5A-5-B-C-5-6	10/25/2022	186758.96	2980630.56	0.3	5.0	2.0	
BW5A-5	SE-BW5A-5-C-6	10/27/2022	186763.70	2980591.81		5.0	5.0	Location moved down off steep bank and into backwater.
BW5A-5	SE-BW5A-5-C-6-7	10/27/2022	186730.34	2980590.24		5.0	5.0	Vane Shear Performed.
BW5A-5	SE-BW5A-5-C-7-8	10/27/2022	186696.21	2980550.06		5.0	5.0	
BW5A-5	SE-BW5A-5-C-8-9	10/28/2022	186662.60	2980510.43		5.0	3.8	
BW5A-5	SE-BW5A-5-C-D-10-11	10/28/2022	186619.87	2980410.33		5.0	5.0	
BW5A-5	SE-BW5A-5-C-D-18-19	11/4/2022	186336.23	2980128.47		5.0	3.6	
BW5A-5	SE-BW5A-5-C-D-19-20	11/4/2022	186305.03	2980104.85	0.6	5.0	2.3	
BW5A-5	SE-BW5A-5-C-D-6-7	10/27/2022	186751.34	2980560.38		5.0	5.0	
BW5A-5	SE-BW5A-5-C-D-7-8	10/27/2022	186720.70	2980521.05		5.0	5.0	Vane Shear Performed.
BW5A-5	SE-BW5A-5-C-D-8-9	10/28/2022	186690.16	2980491.84	0.2	5.0	3.4	Vane Shear Performed.
BW5A-5	SE-BW5A-5-C-D-9-10	10/28/2022	186649.76	2980450.82	0.1	5.0	2.3	Vane Shear Performed.
BW5A-5	SE-BW5A-5-D-11-12	10/31/2022	186591.89	2980378.30		5.0	3.7	
BW5A-5	SE-BW5A-5-D-17-18	11/4/2022	186380.67	2980162.33		5.0	3.3	
BW5A-5	SE-BW5A-5-D-18-19	11/4/2022	186365.34	2980118.36	0.6	5.0	1.8	
BW5A-5	SE-BW5A-5-D-19-20	11/7/2022	186330.62	2980072.86		5.0	1.8	
BW5A-5	SE-BW5A-5-D-20-21	11/8/2022	186295.71	2980040.46	0.5	5.0	2.2	
BW5A-5	SE-BW5A-5-D-9-10	10/28/2022	186662.96	2980424.85		5.0	2.0	Location moved west off steep bank and into backwater.
BW5A-5	SE-BW5A-5-D-E-10-11	10/28/2022	186643.67	2980381.96		5.0	2.3	
BW5A-5	SE-BW5A-5-D-E-11-12	10/31/2022	186591.89	2980378.30		5.0	2.9	
BW5A-5	SE-BW5A-5-D-E-12-13	10/31/2022	186583.92	2980313.72		5.0	2.9	
BW5A-5	SE-BW5A-5-D-E-13-14	11/1/2022	186549.60	2980278.54		5.0	3.6	
BW5A-5	SE-BW5A-5-D-E-14-15	11/1/2022	186509.65	2980236.08		5.0	2.8	
BW5A-5	SE-BW5A-5-D-E-15-16	11/2/2022	186474.15	2980206.15	0.0	5.0	2.3	
BW5A-5	SE-BW5A-5-D-E-16-17	11/3/2022	186440.67	2980173.86		5.0	3.7	
BW5A-5	SE-BW5A-5-D-E-17-18	11/3/2022	186403.53	2980132.91		5.0	2.3	
BW5A-5	SE-BW5A-5-D-E-21-22	11/8/2022	186262.94	2979990.24	0.3	5.0	2.3	
BW5A-5	SE-BW5A-5-E-12-13	10/31/2022	186597.35	2980295.72		5.0	3.8	
BW5A-5	SE-BW5A-5-E-13-14	10/31/2022	186570.43	2980250.97		5.0	2.2	
BW5A-5	SE-BW5A-5-E-14-15	11/1/2022	186534.94	2980219.26		5.0	3.0	
BW5A-5	SE-BW5A-5-E-15-16	11/2/2022	186486.51	2980189.16		5.0	4.1	
BW5A-5	SE-BW5A-5-E-22-23	11/8/2022	186265.65	2979949.25	0.4	5.0	2.7	
BW5A-6	SE-BW5A-6-A-B-4-5	11/29/2022	186338.74	2977052.98	1.5	5.0	2.0	
BW5A-6	SE-BW5A-6-A-B-5-6	11/28/2022	186336.33	2977005.72	2.7	5.0	4.0	
BW5A-6	SE-BW5A-6-B-6	11/28/2022	186349.99	2976981.58	2.8	5.0	4.0	
BW5A-6	SE-BW5A-6-B-C-4	11/29/2022	186378.03	2977101.02	0.6	5.0	3.4	
BW5A-6	SE-BW5A-6-B-C-4-5	11/29/2022	186378.66	2977066.20	0.8	5.0	3.3	
BW5A-6	SE-BW5A-6-B-C-5-6	11/28/2022	186383.28	2977013.78	0.1	5.0	2.8	
BW5A-6	SE-BW5A-6-B-C-6	11/28/2022	186391.73	2976983.76	0.0	5.0	4.0	
BW5A-6	SE-BW5A-6-C-6	11/28/2022	186420.20	2977002.01	1.4	5.0	2.9	
BW5A-6	SE-BW5A-6-C-D-3-4	11/29/2022	186422.86	2977121.98	0.4	5.0	3.0	

Table C-4
Backwater Sediment Sampling Field Data

Backwater Area	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
BW5A-6	SE-BW5A-6-C-D-6-7	11/28/2022	186437.71	2976971.20	1.5	5.0	3.3	
BW5A-6	SE-BW5A-6-D-1-2	11/29/2022	186432.88	2977212.02		5.0	3.3	
BW5A-6	SE-BW5A-6-D-2-3	11/29/2022	186424.22	2977166.43	0.4	5.0	4.0	

Notes:
1. Coordinates are based on NAD83 Massachusetts State Plane (Mainland; feet).
NAD83: North American Datum of 1983

Table C-5
Other Waterbody Sediment Sampling Field Data

Area Description	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
Intermittent Side Channel	SE-E-OWB1-01	9/6/2022	183525.26	2987811.92		2.0	1.4	
Intermittent Side Channel	SE-E-OWB1-02	9/6/2022	183616.4	2987813.42		2.0	1.7	
Intermittent Side Channel	SE-E-OWB1-03	9/6/2022	183654.11	2987723.3		2.0	1.8	Location moved to bottom of intermittent channel.
Intermittent Side Channel	SE-E-OWB1-04	9/6/2022	183702.23	2987652.31		2.0	1.8	GPS had GNSS and low angle satellite but signal strength was questionable.
Intermittent Side Channel	SE-E-OWB1-05	9/6/2022	183791.52	2987612.09		2.0	1.6	No GNSS (Used uncorrected GPS data) for GPS location, lost satellite.
Intermittent Side Channel	SE-E-OWB1-06	9/6/2022	183771.76	2987502.9		2.0	1.5	Location moved from top of intermittent channel bank to bottom of channel. No GNSS (Data uncorrected), location approximate.
Intermittent Side Channel	SE-E-OWB1-07	9/7/2022	183705.62	2987457.03		2.0	1.7	
Intermittent Side Channel	SE-E-OWB1-08	9/7/2022	183665.32	2987354.26		2.0	1.9	
Intermittent Side Channel	SE-E-OWB1-09	9/7/2022	183645.88	2987278.39		2.0	1.7	
Intermittent Side Channel	SE-E-OWB1-10	9/7/2022	183615.25	2987206.18		2.0	2.0	Location moved NE up channel so that location was in channel and not in river.
Outlet from Morewood Lake	SE-W-OWB1-05	9/14/2022	183889.57	2986284.72	0.6	2.0	2.0	
Outlet from Morewood Lake	SE-W-OWB1-04	9/14/2022	183815.45	2986223.53	0.7	2.0	1.1	Location Moved to place it in outlet channel
Outlet from Morewood Lake	SE-W-OWB1-03	9/14/2022	183843.38	2986118.37	0.3	2.0	1.2	
Outlet from Morewood Lake	SE-W-OWB1-02	9/14/2022	183807.13	2986036.61	0.2	2.0	1.1	Location moved to be in outlet channel.
Outlet from Morewood Lake	SE-W-OWB1-01	9/14/2022	183802.88	2985945.6	1.0	2.0	1.0	
Lower Sackett Brook	SE-E-OWB2-01	9/30/2022	187712.3	2984347.23	1.0	2.0	1.0	Location moved off of bank into channel.
Lower Sackett Brook	SE-E-OWB2-02	9/30/2022	187629.74	2984320.56	1.2	2.0	1.3	
Lower Sackett Brook	SE-E-OWB2-03	9/30/2022	187643.72	2984223.8	1.3	2.0	1.7	
Lower Sackett Brook	SE-E-OWB2-04	9/30/2022	187580.31	2984163.53	0.4	2.0	1.1	
Lower Sackett Brook	SE-E-OWB2-05	9/30/2022	187491.84	2984151.23	0.6	2.0	1.5	
Lower Sackett Brook	SE-E-OWB2-06	9/30/2022	187459.12	2984060.78	0.5	2.0	1.3	Product odor observed on core (mild).
Lower Sackett Brook	SE-E-OWB2-07	9/30/2022	187414.63	2983968.37	0.7	2.0	1.5	Location moved off of bank to be in channel.
Lower Sackett Brook	SE-E-OWB2-08	9/30/2022	187468.11	2983891.44	1.1	2.0	1.5	
Lower Sackett Brook	SE-E-OWB2-09	9/30/2022	187435.52	2983785.02	0.4	2.0	1.6	
Lower Sykes Brook	SE-E-OWB3-01	9/30/2022	187616.85	2983434.68	0.3	2.0	2.0	
Lower Sykes Brook	SE-E-OWB3-02	9/30/2022	187549.01	2983362.81	0.9	2.0	1.3	
Lower Sykes Brook	SE-E-OWB3-03	9/30/2022	187499.62	2983320.32	0.7	2.0	1.7	Product odor observed from core.
West Pond	SE-WP-D-E-2	10/13/2022	187414.35	2986570.03	0.1	3.0	1.5	Strong organic odor.
West Pond	SE-WP-E-F-2	10/13/2022	187448.23	2986593.65		3.0	1.3	
West Pond	SE-WP-C-D-2-3	10/13/2022	187389.31	2986503.33	0.3	3.0	1.3	
West Pond	SE-WP-F-G-2	10/13/2022	187485.69	2986613.83		3.0	1.0	
West Pond	SE-WP-G-H-2-3	10/13/2022	187555.13	2986610.79		3.0	2.1	
West Pond	SE-WP-B-C-3-4	10/14/2022	187377.47	2986441.51	0.3	3.0	1.1	Location moved out from underneath briar bush.
West Pond	SE-WP-A-B-4-5	10/14/2022	187363.84	2986365.32	0.8	3.0	1.2	
West Pond	SE-WP-A-B-5-6	10/14/2022	187386.69	2986327.51	0.3	3.0	1.0	
West Pond	SE-WP-B-C-6	10/14/2022	187443.49	2986322.49	0.0	3.0	2.3	
West Pond	SE-WP-C-D-6	10/14/2022	187492.3	2986350.92	0.2	3.0	2.6	
West Pond	SE-WP-D-E-6-7	10/14/2022	187538.31	2986370.33	0.4	3.0	2.0	
West Pond	SE-WP-E-7-8	10/14/2022	187581.63	2986330.29	0.8	3.0	1.0	
West Pond	SE-WP-E-8-9	10/14/2022	187609.94	2986289.7	1.1	3.0	1.6	
West Pond	SE-WP-E-9	10/17/2022	187631.4	2986253.33	0.9	3.0	1.6	
West Pond	SE-WP-E-F-10-11	10/17/2022	187687.55	2986220.83	1.2	3.0	1.5	
West Pond	SE-WP-F-11-12	10/17/2022	187730.02	2986193.35	2.4	3.0	2.3	
West Pond	SE-WP-F-12-13	10/17/2022	187778.05	2986158.84	1.5	3.0	2.3	

Table C-5
Other Waterbody Sediment Sampling Field Data

Area Description	Station ID	Sample Date	Easting (Feet)	Northing (Feet)	Water Depth (Feet)	Penetration (Feet)	Recovery (Feet)	Notes
West Pond	SE-WP-F-G-13-14	10/17/2022	187816.04	2986130.48	0.2	3.0	1.6	
West Pond	SE-WP-G-15-16	10/17/2022	187867.1	2986100.82	0.9	3.0	0.9	
West Pond	SE-WP-G-16-17	10/17/2022	187912.3	2986064.64	0.9	3.0	1.1	Moved off beaver dam.
West Pond	SE-WP-G-H-17-18	10/17/2022	187936.81	2986025.81	2.4	3.0	2.6	
West Pond	SE-WP-G-18-19	10/17/2022	187951.23	2985980.02	1.7	3.0	2.5	
West Pond	SE-WP-G-19-20	10/18/2022	187971.89	2985935.79	2.2	3.0	1.5	
West Pond	SE-WP-E-F-9-10	10/18/2022	187664.22	2986270.75	2.7	3.0	2.0	
West Pond	SE-WP-E-F-8-9	10/18/2022	187637.8	2986316.32	1.7	3.0	1.8	
West Pond	SE-WP-F-7-8	10/18/2022	187617.25	2986352.97	2.0	3.0	1.9	
West Pond	SE-WP-E-F-6-7	10/18/2022	187579.98	2986390.74	1.8	3.0	2.1	
West Pond	SE-WP-F-6-7	10/18/2022	187612.96	2986420.53	2.6	3.0	1.5	
West Pond	SE-WP-F-G-5-6	10/18/2022	187591.27	2986460.95	2.9	3.0	2.0	
West Pond	SE-WP-G-5	10/18/2022	187616.01	2986494.91	2.0	3.0	2.0	
West Pond	SE-WP-G-4-5	10/18/2022	187598.03	2986530.52	1.9	3.0	2.3	
West Pond	SE-WP-G-H-3-4	10/18/2022	187582.53	2986575.61	0.9	3.0	1.7	
West Pond	SE-WP-F-G-2-3	10/19/2022	187513.38	2986590.62	1.3	3.0	1.6	
West Pond	SE-WP-F-G-3-4	10/19/2022	187539.72	2986543.64	2.5	3.0	2.0	
West Pond	SE-WP-F-G-4-5	10/19/2022	187569.72	2986501.61	2.9	3.0	2.0	
West Pond	SE-WP-E-F-5-6	10/19/2022	187554.9	2986438.37	2.5	3.0	2.5	
West Pond	SE-WP-E-F-4-5	10/19/2022	187524.28	2986478.96	2.9	3.0	1.9	
West Pond	SE-WP-E-F-3-4	10/19/2022	187500.97	2986520.07	2.8	3.0	2.0	
West Pond	SE-WP-E-F-2-3	10/19/2022	187471.35	2986560.01	2.0	3.0	2.6	
West Pond	SE-WP-D-E-2-3	10/19/2022	187430.33	2986531.53	2.1	3.0	2.6	
West Pond	SE-WP-D-E-3-4	10/19/2022	187456.32	2986490.48	2.6	3.0	2.1	
West Pond	SE-WP-D-E-4-5	10/19/2022	187482.45	2986450.85	2.5	3.0	2.0	
West Pond	SE-WP-D-E-5-6	10/19/2022	187508.59	2986405.45	2.4	3.0	2.5	
West Pond	SE-WP-C-D-5-6	10/19/2022	187468.21	2986380.58	2.3	3.0	2.3	
West Pond	SE-WP-C-D-3-4	10/20/2022	187415.32	2986462.17	2.2	3.0	1.7	
West Pond	SE-WP-C-D-4-5	10/20/2022	187443.05	2986420.45	2.2	3.0	2.2	
West Pond	SE-WP-B-C-5-6	10/20/2022	187427.38	2986352.37	2.0	3.0	2.2	
West Pond	SE-WP-B-C-4-5	10/20/2022	187399.68	2986400.05	2.2	3.0	2.1	

Notes:
1. Coordinates are based on NAD83 Massachusetts State Plane (Mainland; feet).

NAD83: North American Datum of 1983

Table C-6
Porewater/Bulk Sediment Sampling Field Data

Date	Location ID	Approximate Station	Attempt	Core Diameter (inches)	Penetration (inches)	Recovery (inches)	Percent Recovery	Retained for Homogenization (feet)
8/9/2022	PW-1	ST018	1	3	24.5	17	69%	1–1.4
			2	3	26	18	69%	1–1.5
			3	2.5	28.5	20	70%	1–1.7
			4	2.5	30.5	24	79%	1–2
8/3/2022	PW-2	ST033	1	3	36	24	67%	1–2
			2	3	36	26	72%	1–2.1
8/3/2022	PW-3	ST043	1	3	33	24	73%	None; large wood chunk between 1–2 feet; discarded
			2	2	36	17	47%	1–1.4
			3	2	36	24	67%	1–2
			4	2	36	22	61%	1–1.9
			5	3	36	26	72%	1–2.1
8/3/2022	PW-4	ST060	1	3	36	21	58%	Discarded
			2	3	36	28	78%	1–2.3
			3	3	36	29.5	82%	1–2.5
8/3/2022	PW-5	ST069	1	2	44	18	41%	Discarded
			2	3	36	29	81%	1–2.4
			3	3	38	32	84%	1–2.7
8/4/2022	PW-6	ST078	1	3	26	24	92%	1–2
			2	3	24	22	92%	1–1.8
			3	3	36	28	78%	1–2.3
8/4/2022	PW-7	BW5A1	1	3	36	36	100%	1–3
8/4/2022	PW-8	ST091	1	3	38	30	79%	1–2.5
			2	3	38	26	68%	1–2.2
8/4/2022	PW-9	ST099	1	3	37	24	65%	1–2
			2	3	37	28	76%	1–2.3
8/4/2022	PW-10	ST112	1	3	36	33	92%	1–2.75
8/5/2022	PW-11	ST122	1	3	37	33	89%	1–2.75
8/5/2022	PW-12	ST134	1	3	37	31	84%	1–2.6
8/5/2022	PW-13	BW5A5	1	2	36	21	58%	1–1.75
			2	2	36	0	0%	--
			3	2	36	28	78%	1–2.3
			4	2	36	24	67%	1–2
			5	2	36	26	72%	1–2.2
8/5/2022	PW-14	ST152	1	3	26	18	69%	1–1.5
			2	3	29	21	72%	1–1.75
			3	3	28	19	68%	1–1.6
			4–8	3	<18			Discarded

Table C-6
Porewater/Bulk Sediment Sampling Field Data

Date	Location ID	Approximate Station	Attempt	Core Diameter (inches)	Penetration (inches)	Recovery (inches)	Percent Recovery	Retained for Homogenization (feet)
8/8/2022	PW-15	ST167	1	2.5	26	22	85%	1–1.8
			2	2.5	Refusal at 18	--	--	--
			3	2.5	28	24	86%	1–2.0
			4	2.5	Refusal at 18	--	--	--
			5	2.5	38	34	89%	1–2.8
8/8/2022	PW-16	ST177	1	3	38	28	74%	1–2.3
			2	2.5	40	31	78%	1–2.6
8/8/2022	PW-17	ST190	1	2.5	38	31	82%	1–2.6
			2	2.5	44	31.5	72%	1–2.6
8/8/2022	PW-18	ST197	1	2.5	38	32	84%	1–2.7
			2	2.5	Refusal	--	--	--
			3	2.5	36	26	72%	1–2.2
8/8/2022	PW-19	ST215	1	2.5	40	32.5	81%	1–2.7
			2	2.5	38	32.5	86%	1–2.7
8/8/2022	PW-20	ST230	1	3	40.5	33.5	83%	1–2.8

Note:
PW: porewater

Appendix D

Data Validation Reports

Data Validation Report – EPA Stage 2A

May 8, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0076

This report summarizes the review of analytical results for 34 soil samples, 165 sediment samples, 10 field duplicate samples, and 10 equipment rinsate blanks collected in October 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Six SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times with the exception of 21 samples that were analyzed outside of the 28-day holding time for TOC. The samples were qualified "J" to indicate they are estimated.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Ten equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and nine were also analyzed for TOC. All results were below detection.

Field Duplicates

Ten field duplicates were collected in association with these sample sets. Detected results in the remaining are summarized in Table 1. Results that were less than five times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-WP-E-F-9-10- 221018-01-1.5	SE-WP-E-F-9-10- BD0001	RPD	Difference	Difference CL
TOC	71700 mg/kg	51400 mg/kg	33%	--	--
Total solids	44.8%	42.5%	5%	--	--
Aroclor 1254	3960 µg/kg	2610 µg/kg	41%	--	--

Analyte	SE-WP-E-F-9-10-221018-01-1.5	SE-WP-E-F-9-10-BD0001	RPD	Difference	Difference CL
Aroclor 1260	4050 µg/kg	5060 µg/kg	22%	--	--

Analyte	SE-WP-G-5-221018-00-0.5	SE-WP-G-5-BD0001	RPD	Difference	Difference CL
TOC	20600 mg/kg	24700 mg/kg	18%	--	--
Total solids	54.3%	56.8%	5%	--	--
Aroclor 1254	414 µg/kg	591 µg/kg	35%	--	--
Aroclor 1260	1280 µg/kg	1770 µg/kg	32%	--	--

Analyte	SE-WP-D-E-5-6-221019-02-2.47	SE-WP-D-E-5-6-BD0001	RPD	Difference	Difference CL
TOC	70500 mg/kg	89600 mg/kg	24%	--	--
Total solids	39.1%	33.9%	14%	--	--

Analyte	SE-WP-E-F-2-3-221019-1.5-02	SE-WP-E-F-2-3-BD0001	RPD	Difference	Difference CL
TOC	109000 mg/kg	79900 mg/kg	31%	--	--
Total solids	28.8%	31.8%	10%	--	--
Aroclor 1254	6770 µg/kg	10200 µg/kg	40%	--	--
Aroclor 1260	3660 µg/kg	14300 µg/kg	118%	--	--

Analyte	SE-WP-F-G-4-5-221019-0.5-01	SE-WP-F-G-4-5-BD0001	RPD	Difference	Difference CL
TOC	57600 mg/kg	51400 mg/kg	11%	--	--
Total solids	27.8%	28.3%	2%	--	--
Aroclor 1254	2020 µg/kg	968 µg/kg	70%	--	--
Aroclor 1260	3840 µg/kg	1880 µg/kg	69%	--	--

Analyte	SE-WP-D-E-2-221013-0.5-01	SE-WP-D-E-2-BD0001	RPD	Difference	Difference CL
TOC	37900 mg/kg	43800 mg/kg	14%	--	--
Total solids	55.7%	51.3%	8%	--	--
Aroclor 1254	58U µg/kg	271 µg/kg	--	213 µg/kg	116 µg/kg
Aroclor 1260	58U µg/kg	162 µg/kg	--	104 µg/kg	116 µg/kg

Analyte	RB-E-218-57-221013-00-01	RB-E-218-57-BD0001	RPD	Difference	Difference CL
Total solids	74%	63.3%	16%	--	--
Aroclor 1254	2670 µg/kg	2140 µg/kg	22%	--	--
Aroclor 1260	13700 µg/kg	11600 µg/kg	17%	--	--

Analyte	SE-WP-E-F-10-11-221017-0.5-01	SE-WP-E-F-10-11-BD0001	RPD	Difference	Difference CL
TOC	51200 mg/kg	51800 mg/kg	1%	--	--
Total solids	35.4%	34.9%	1%	--	--
Aroclor 1254	5030 µg/kg	7350 µg/kg	37%	--	--
Aroclor 1260	4420 µg/kg	5990 µg/kg	30%	--	--

Analyte	SE-WP-F-G-13-14-221017-01-1.5	SE-WP-F-G-13-14-BD0001	RPD	Difference	Difference CL
TOC	34400 mg/kg	103000 mg/kg	100%	--	--
Total solids	47.2%	32.6%	37%	--	--
Aroclor 1254	82 µg/kg	100U µg/kg	--	18 µg/kg	138 µg/kg
Aroclor 1260	101 µg/kg	113 µg/kg	--	12 µg/kg	138 µg/kg

Analyte	SE-WP-A-B-5-6-221014-0.5-01	SE-WP-A-B-5-6-BD0001	RPD	Difference	Difference CL
TOC	20400 mg/kg	9480 mg/kg	73%	--	--
Total solids	52%	57.4%	10%	--	--
Aroclor 1260	26.2 µg/kg	54U µg/kg	--	27.8 µg/kg	120 µg/kg

Notes:
µg/kg: microgram per kilogram
CL: control limit
mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however;

data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD54083
 - Tetrachloro-m-xylene (TMX) and/or Decachlorobiphenyl (DCB) recovered above the control limit in the analysis of samples SE-WP-E-F-9-10-221018-00-0.5 and SE-WP-F-6-7-221018-0.5-01. The detected sample results have been qualified "J" to indicate a high bias.
 - DCB recovered above the control limit in the second column analysis of sample SE-WP-E-F-9-10-BD0001. The Aroclor 1254 result has been qualified "J" to indicate a high bias.
- SDG JD54110
 - TMX and DCB recovered below 10% in the analysis of sample RB-2210191552. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the analysis of samples SE-WP-D-E-3-4-221019-00-0.5, SE-WP-D-E-4-5-221019-00-0.5, SE-WP-D-E-5-6-221019-01-1.5, SE-WP-E-F-2-3-221019-0.5-01, SE-WP-E-F-2-3-221019-00-0.5, SE-WP-E-F-2-3-221019-01-1.5, and SE-WP-E-F-2-3-221019-1.5-02. The detected sample results have been qualified "J" to indicate a high bias.
- SDG JD54112
 - TMX and/or DCB recovered above the control limit in the analysis of sample SE-WP-D-E-2-221013-00-0.5, SE-WP-D-E-2-BD0001, SE-WP-F-G-2-221013-0.5-01, and SE-WP-G-H-2-3-221013-1.5-02. The sample results have been qualified "J" to indicate a high bias.
- SDG JD54113
 - DCB recovered below 10% in the analysis of sample RB-2210131407. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the analysis of samples RB-E-213-50-221013-00-01. The detected sample results have been qualified "J" to indicate a high bias.
 - DCB or TMX recovered above the control limit in the second column analysis of samples RB-W-242-14-221013-00-01, RB-W-243-20-221013-00-01, and RB-W-245-59-221013-00-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
- SDG JD54116
 - DCB recovered below 10% in the analysis of sample RB-2210171315. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the second column analysis of samples SE-WP-F-11-12-221017-1.5-02, SE-WP-F-G-13-14-221017-0.5-01, and SE-WP-G-18-19-221017-01-1.5. The detected sample results have been qualified "J" to indicate a high bias.
- SDG JD54118

- TMX recovered above the control limit in the second column analysis of sample SE-WP-E-7-8-221014-00-0.5. The Aroclor 1254 result has been qualified "J" to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD54083 –
 - The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-WP-E-F-6-7-221018-0.5-01. The Aroclor 1254 result has been qualified "J" as estimated.
 - The Aroclor 1260 RPD value was above the control limit in the analysis of sample SE-WP-F-6-7-221018-01-1.5. The Aroclor 1260 result has been qualified "J" as estimated.
- SDG JD54110 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-WP-C-D-5-6-221019-0.5-01, SE-WP-D-E-2-3-221019-00-0.5, SE-WP-D-E-4-5-221019-00-0.5, SE-WP-F-G-2-3-221019-0.5-01 and SE-WP-E-F-2-3-221019-0.5-01. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD54112 – The Aroclor 1260 RPD value was above the control limit in the analysis of samples SE-WP-G-H-2-3-221013-0.5-01, SE-WP-G-H-2-3-221013-01-1.5 and SE-WP-G-H-2-3-221013-1.5-02. The Aroclor 1260 results have been qualified "J" as estimated.
- SDG JD54113 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples RB-E-217-98-221013-00-01, RB-E-218-57-221013-00-01, RB-E-223-22-221013-00-01, and RB-E-225-25-221013-00-01. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD54116 – The Aroclor 1260 RPD value was above the control limit in the analysis of sample SE-WP-F-G-13-14-221017-01-1.5. The Aroclor 1260 result has been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentration were not detected. Recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batch OP42669
 - Aroclor 1260 recovered above the control limit in the LCS. All detected sample results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP42700

- Aroclor 1016 and 1260 recovered below the control limit in the LCS. All sample results were qualified “UJ” to indicate a potentially low bias if they were not already rejected due to low surrogate recoveries.
- Aroclor Batch OP42685
 - Aroclor 1016 and 1260 recovered above the control limit in the LCSD. All detected sample results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP42687
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS and LCSD. All detected sample results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP42689
 - Aroclor 1260 recovered above the control limit in the LCS. All detected sample results were qualified “J” to indicate a potentially high bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentration were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD54083
 - TOC recovered above the control limit in the MS and/or MSD analyzed on samples SE-WP-E-F-9-10-221018-0.5-01, SE-WP-G-H-3-4-221018-01-1.5, and SE-WP-G-5-221018-0.5-01. Associated batch sample results have been qualified “J”.
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-WP-F-G-5-6-221018-01-1.5 and SE-142-07-E-221021-00-0.5 (reviewed in a separate validation report). Associated batch sample results have been qualified “J”.
- SDG JD54110
 - TOC recovered above the control limit in the MSD analyzed on samples SE-WP-D-E-2-3-221019-1.5-02 and SE-WP-E-F-2-3-221019-01-1.5. Associated batch sample results have been qualified “J”.
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-WP-D-E-5-6-221019-1.5-02, SE-WP-F-G-2-3-221019-0.5-01, and SE-WP-F-G-4-5-221019-00-0.5. Associated batch sample results have been qualified “J”.
- SDG JD54112

- TOC recovered below the control limit in the MS and MSD analyzed on samples SE-WP-G-H-2-3-221013-01-1.5 and SE-BW5A-3-B-1-2-221012-1.5-02 (reviewed in a separate validation report). Associated batch sample results have been qualified "J".
- SDG JD54116
 - TOC recovered above the control limit in the MSD analyzed on sample SE-WP-F-G-13-14-221017-0.5-01. Associated batch sample results have been qualified "J".
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-WP-G-H-17-18-221017-01-1.5 and SE-WP-G-H-17-18-221017-1.5-02. Associated batch sample results have been qualified "J".
- SDG JD54118
 - Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample SE-WP-A-B-5-6-221014-00-0.5, and the RPD recovered above the control limit. The detected sample results have been qualified "J".
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-WP-A-B-5-6-221014-00-0.5, SE-WP-C-D-6-221014-00-0.5, and SE-BW5A-3-B-5-221012-1.5-02 (reviewed in a separate validation report). Associated batch sample results have been qualified "J".
 - TOC recovered below the control limit in the MS analyzed on sample SE-WP-D-E-6-7-221014-1.5-1.98, and the RPD recovered above the control limit. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Twenty-one results in three samples were rejected due to low/no recovery. Completeness

was greater than 98%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-E-F-6-7-221018-0.5-01	Conventionals	TOC	40300 mg/kg	40300J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	353 µg/kg	353J µg/kg	Column Confirmation RPD above CL
SE-WP-E-F-6-7-221018-00-0.5	Conventionals	TOC	38800 mg/kg	38800J mg/kg	MS %R below CL
SE-WP-E-F-6-7-221018-01-1.5	Conventionals	TOC	102000 mg/kg	102000J mg/kg	MS %R below CL
SE-WP-E-F-6-7-221018-1.5-02	Conventionals	TOC	49700 mg/kg	49700J mg/kg	MS %R below CL
SE-WP-E-F-8-9-221018-0.5-01	Conventionals	TOC	37300 mg/kg	37300J mg/kg	MS %R below CL
SE-WP-E-F-8-9-221018-00-0.5	Conventionals	TOC	55100 mg/kg	55100J mg/kg	MS %R below CL
SE-WP-E-F-8-9-221018-01-1.5	Conventionals	TOC	33800 mg/kg	33800J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	1190 µg/kg	1190J µg/kg	LCS %R above CL
		Aroclor 1260	3260 µg/kg	3260J µg/kg	
SE-WP-E-F-8-9-221018-1.5-1.81	Conventionals	TOC	30800 mg/kg	30800J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	338 µg/kg	338J µg/kg	LCS %R above CL
		Aroclor 1260	473 µg/kg	473J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2210181432	PCBs	Aroclor 1016	0.44U ug/L	0.44UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-E-F-9-10-221018-0.5-01	Conventionals	TOC	63900 mg/kg	63900J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	1350 µg/kg	1350J µg/kg	LCS %R above CL
		Aroclor 1260	3240 µg/kg	3240J µg/kg	
SE-WP-E-F-9-10-221018-00-0.5	Conventionals	TOC	76200 mg/kg	76200J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	2820 µg/kg	2820J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	5640 µg/kg	5640J µg/kg	
SE-WP-E-F-9-10-221018-01-1.5	Conventionals	TOC	71700 mg/kg	71700J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	3960 µg/kg	3960J µg/kg	LCS %R above CL
		Aroclor 1260	4050 µg/kg	4050J µg/kg	
SE-WP-E-F-9-10-221018-1.5-1.95	Conventionals	TOC	96500 mg/kg	96500J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	67.5 µg/kg	67.5J µg/kg	LCS %R above CL
SE-WP-E-F-9-10-BD0001	Conventionals	TOC	51400 mg/kg	51400J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	2610 µg/kg	2610J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	5060 µg/kg	5060J µg/kg	
SE-WP-F-6-7-221018-0.5-01	Conventionals	TOC	70700 mg/kg	70700J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	2520 µg/kg	2520J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	5510 µg/kg	5510J µg/kg	
SE-WP-F-6-7-221018-00-0.5	Conventionals	TOC	60600 mg/kg	60600J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	6090 µg/kg	6090J µg/kg	LCS %R above CL
		Aroclor 1260	10900 µg/kg	10900J µg/kg	
SE-WP-F-6-7-221018-01-1.5	Conventionals	TOC	1250 mg/kg	1250J mg/kg	MS %R above CL
	PCBs	Aroclor 1260	37.7 µg/kg	37.7J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
SE-WP-F-7-8-221018-0.5-01	Conventionals	TOC	54700 mg/kg	54700J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	1400 µg/kg	1400J µg/kg	LCS %R above CL
		Aroclor 1260	4530 µg/kg	4530J µg/kg	
SE-WP-F-7-8-221018-00-0.5	Conventionals	TOC	85800 mg/kg	85800J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	2060 µg/kg	2060J µg/kg	LCS %R above CL
		Aroclor 1260	7200 µg/kg	7200J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-F-7-8-221018-01-1.5	Conventionals	TOC	56600 mg/kg	56600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	7980 µg/kg	7980J µg/kg	LCS %R above CL
		Aroclor 1260	11300 µg/kg	11300J µg/kg	
SE-WP-F-7-8-221018-1.5-1.9	Conventionals	TOC	88600 mg/kg	88600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	853 µg/kg	853J µg/kg	LCS %R above CL
		Aroclor 1260	1070 µg/kg	1070J µg/kg	
SE-WP-F-G-5-6-221018-0.5-01	Conventionals	TOC	54800 mg/kg	54800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	2370 µg/kg	2370J µg/kg	LCS %R above CL
		Aroclor 1260	2250 µg/kg	2250J µg/kg	
SE-WP-F-G-5-6-221018-00-0.5	Conventionals	TOC	41000 mg/kg	41000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1400 µg/kg	1400J µg/kg	LCS %R above CL
		Aroclor 1260	4730 µg/kg	4730J µg/kg	
SE-WP-F-G-5-6-221018-01-1.5	Conventionals	TOC	1240 mg/kg	1240J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	31.2 µg/kg	31.2J µg/kg	LCS %R above CL
SE-WP-F-G-5-6-221018-1.5-02	Conventionals	TOC	810 mg/kg	810J mg/kg	MS/MSD %R below CL
SE-WP-G-19-20-221018-0.5-01	Conventionals	TOC	29600 mg/kg	29600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	396 µg/kg	396J µg/kg	LCS %R above CL
		Aroclor 1260	713 µg/kg	713J µg/kg	
SE-WP-G-19-20-221018-00-0.5	Conventionals	TOC	34600 mg/kg	34600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1310 µg/kg	1310J µg/kg	LCS %R above CL
		Aroclor 1260	3090 µg/kg	3090J µg/kg	
SE-WP-G-19-20-221018-01-1.45	Conventionals	TOC	34300 mg/kg	34300J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	905 µg/kg	905J µg/kg	LCSD %R above CL
		Aroclor 1260	5390 µg/kg	5390J µg/kg	
SE-WP-G-4-5-221018-0.5-01	Conventionals	TOC	65800 mg/kg	65800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	3230 µg/kg	3230J µg/kg	LCSD %R above CL
		Aroclor 1260	7470 µg/kg	7470J µg/kg	
SE-WP-G-4-5-221018-00-0.5	Conventionals	TOC	72400 mg/kg	72400J mg/kg	MS/MSD %R above CL
	PCBs	Aroclor 1254	942 µg/kg	942J µg/kg	LCSD %R above CL
		Aroclor 1260	2690 µg/kg	2690J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-G-4-5-221018-01-1.5	Conventionals	TOC	248000 mg/kg	248000J mg/kg	MS/MSD %R above CL
	PCBs	Aroclor 1254	2840 µg/kg	2840J µg/kg	LCSD %R above CL
		Aroclor 1260	3650 µg/kg	3650J µg/kg	
SE-WP-G-4-5-221018-02-2.27	Conventionals	TOC	22700 mg/kg	22700J mg/kg	MS/MSD %R above CL
SE-WP-G-4-5-221018-1.5-02	Conventionals	TOC	221000 mg/kg	221000J mg/kg	MS/MSD %R above CL
RB-2210181554	PCBs	Aroclor 1016	0.33U ug/L	0.33UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-G-5-221018-0.5-01	Conventionals	TOC	44200 mg/kg	44200J mg/kg	MS/MSD %R above CL
SE-WP-G-5-221018-00-0.5	Conventionals	TOC	20600 mg/kg	20600J mg/kg	MS/MSD %R above CL
SE-WP-G-5-221018-01-1.5	Conventionals	TOC	50200 mg/kg	50200J mg/kg	MS/MSD %R above CL
SE-WP-G-5-221018-1.5-1.95	Conventionals	TOC	1720 mg/kg	1720J mg/kg	MS/MSD %R above CL
SE-WP-G-5-BD0001	Conventionals	TOC	24700 mg/kg	24700J mg/kg	MS/MSD %R above CL
SE-WP-G-H-3-4-221018-0.5-01	Conventionals	TOC	59200 mg/kg	59200J mg/kg	MS/MSD %R above CL
SE-WP-G-H-3-4-221018-00-0.5	Conventionals	TOC	48300 mg/kg	48300J mg/kg	MS/MSD %R above CL
SE-WP-G-H-3-4-221018-01-1.5	Conventionals	TOC	74100 mg/kg	74100J mg/kg	MS/MSD %R above CL
SE-WP-G-H-3-4-221018-1.5-1.65	Conventionals	TOC	1500 mg/kg	1500J mg/kg	MS/MSD %R above CL
RB-2210191552	PCBs	Aroclor 1016	0.33 ug/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2210191421	PCBs	Aroclor 1016	0.37U ug/L	0.37UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210191507	PCBs	Aroclor 1016	0.33U ug/L	0.33UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-C-D-5-6-221019-0.5-01	Conventionals	TOC	40500 mg/kg	40500J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	891 µg/kg	891J µg/kg	Column Confirmation RPD above CL
SE-WP-C-D-5-6-221019-00-0.5	Conventionals	TOC	72000 mg/kg	72000J mg/kg	MSD %R above CL
SE-WP-C-D-5-6-221019-01-1.5	Conventionals	TOC	75200 mg/kg	75200J mg/kg	MSD %R above CL
SE-WP-C-D-5-6-221019-02-2.28	Conventionals	TOC	75200 mg/kg	75200J mg/kg	MSD %R above CL
SE-WP-C-D-5-6-221019-1.5-02	Conventionals	TOC	75000 mg/kg	75000J mg/kg	MSD %R above CL
SE-WP-D-E-2-3-221019-0.5-01	Conventionals	TOC	79100 mg/kg	79100J mg/kg	MSD %R above CL
SE-WP-D-E-2-3-221019-00-0.5	Conventionals	TOC	134000 mg/kg	134000J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	1220 µg/kg	1220J µg/kg	Column Confirmation RPD above CL
SE-WP-D-E-2-3-221019-01-1.5	Conventionals	TOC	32800 mg/kg	32800J mg/kg	MSD %R above CL
SE-WP-D-E-2-3-221019-02-2.5	Conventionals	TOC	2070 mg/kg	2070J mg/kg	MSD %R above CL
SE-WP-D-E-2-3-221019-1.5-02	Conventionals	TOC	1740 mg/kg	1740J mg/kg	MSD %R above CL
SE-WP-D-E-3-4-221019-00-0.5	PCBs	Aroclor 1254	2570 µg/kg	2570J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	6440 µg/kg	6440J µg/kg	
SE-WP-D-E-3-4-221019-01-1.5	PCBs	Aroclor 1254	944 µg/kg	944J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	1080 µg/kg	1080J µg/kg	
SE-WP-D-E-4-5-221019-0.5-01	PCBs	Aroclor 1254	5570 µg/kg	5570J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	11400 µg/kg	11400J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-D-E-4-5-221019-00-0.5	PCBs	Aroclor 1254	1280 µg/kg	1280J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL; Column Confirmation
		Aroclor 1260	7220 µg/kg	7220J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
SE-WP-D-E-4-5-221019-01-1.5	PCBs	Aroclor 1254	726 µg/kg	726J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	835 µg/kg	835J µg/kg	
SE-WP-D-E-4-5-221019-1.5-02	PCBs	Aroclor 1260	71.0 µg/kg	71.0J µg/kg	LCS/LCSD %R above CL
SE-WP-D-E-5-6-221019-0.5-01	PCBs	Aroclor 1254	2160 µg/kg	2160J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	7700 µg/kg	7700J µg/kg	
SE-WP-D-E-5-6-221019-00-0.5	PCBs	Aroclor 1254	1040 µg/kg	1040J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	4230 µg/kg	4230J µg/kg	
SE-WP-D-E-5-6-221019-01-1.5	Conventionals	TOC	42500 mg/kg	42500J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	7040 µg/kg	7040J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
SE-WP-D-E-5-6-221019-02-2.47	Conventionals	TOC	70500 mg/kg	70500J mg/kg	MS/MSD %R below CL
SE-WP-D-E-5-6-221019-1.5-02	Conventionals	TOC	64100 mg/kg	64100J mg/kg	MS/MSD %R below CL
SE-WP-D-E-5-6-BD0001	Conventionals	TOC	89600 mg/kg	89600J mg/kg	MS/MSD %R below CL
SE-WP-E-F-2-3-221019-0.5-01	Conventionals	TOC	11400 mg/kg	11400J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1550 µg/kg	1550J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL; Column Confirmation
		Aroclor 1260	1060 µg/kg	1060J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
SE-WP-E-F-2-3-221019-00-0.5	Conventionals	TOC	85700 mg/kg	85700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1260 µg/kg	1260J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	2290 µg/kg	2290J µg/kg	
SE-WP-E-F-2-3-221019-01-1.5	Conventionals	TOC	18700 mg/kg	18700J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	949 µg/kg	949J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	1790 µg/kg	1790J µg/kg	
SE-WP-E-F-2-3-221019-02-2.5	Conventionals	TOC	157000 mg/kg	157000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	698 µg/kg	698J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	452 µg/kg	452J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-E-F-2-3-221019-1.5-02	Conventionals	TOC	109000 mg/kg	109000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	6770 µg/kg	6770J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	3660 µg/kg	3660J µg/kg	FD RPD above CL; LCS/LCSD %R above CL; Surrogate %R above CL
SE-WP-E-F-2-3-BD0001	Conventionals	TOC	79900 mg/kg	79900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	10200 µg/kg	10200J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	14300 µg/kg	14300J µg/kg	FD RPD above CL; LCS/LCSD %R above CL
SE-WP-E-F-3-4-221019-0.5-01	Conventionals	TOC	22900 mg/kg	22900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1220 µg/kg	1220J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	2800 µg/kg	2800J µg/kg	
SE-WP-E-F-3-4-221019-00-0.5	Conventionals	TOC	62100 mg/kg	62100J mg/kg	MSD %R above CL
SE-WP-E-F-3-4-221019-01-1.5	Conventionals	TOC	175000 mg/kg	175000J mg/kg	MSD %R above CL
SE-WP-E-F-3-4-221019-1.5-02	Conventionals	TOC	364000 mg/kg	364000J mg/kg	MSD %R above CL
SE-WP-E-F-4-5-221019-0.5-01	Conventionals	TOC	89400 mg/kg	89400J mg/kg	MSD %R above CL
SE-WP-E-F-4-5-221019-00-0.5	Conventionals	TOC	106000 mg/kg	106000J mg/kg	MSD %R above CL
SE-WP-E-F-4-5-221019-01-1.5	Conventionals	TOC	138000 mg/kg	138000J mg/kg	MSD %R above CL
SE-WP-E-F-4-5-221019-1.5-1.9	Conventionals	TOC	15800 mg/kg	15800J mg/kg	MSD %R above CL
SE-WP-E-F-5-6-221019-0.5-01	Conventionals	TOC	44800 mg/kg	44800J mg/kg	MSD %R above CL
SE-WP-E-F-5-6-221019-00-0.5	Conventionals	TOC	53200 mg/kg	53200J mg/kg	MSD %R above CL
SE-WP-E-F-5-6-221019-01-1.5	Conventionals	TOC	52100 mg/kg	52100J mg/kg	MS/MSD %R below CL
SE-WP-E-F-5-6-221019-02-2.45	Conventionals	TOC	137000 mg/kg	137000J mg/kg	MS/MSD %R below CL
SE-WP-E-F-5-6-221019-1.5-02	Conventionals	TOC	67900 mg/kg	67900J mg/kg	MS/MSD %R below CL
SE-WP-F-G-2-3-221019-0.5-01	Conventionals	TOC	19000 mg/kg	19000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1040 µg/kg	1040J µg/kg	Column Confirmation RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-F-G-2-3-221019-00-0.5	Conventionals	TOC	2100 mg/kg	2100J mg/kg	MS/MSD %R below CL
SE-WP-F-G-2-3-221019-01-1.5	Conventionals	TOC	223000 mg/kg	223000J mg/kg	MS/MSD %R below CL
SE-WP-F-G-3-4-221019-0.5-01	Conventionals	TOC	33000 mg/kg	33000J mg/kg	MS/MSD %R below CL
SE-WP-F-G-3-4-221019-00-0.5	Conventionals	TOC	62100 mg/kg	62100J mg/kg	MS/MSD %R below CL
SE-WP-F-G-3-4-221019-01-1.5	Conventionals	TOC	68000 mg/kg	68000J mg/kg	MS/MSD %R below CL
SE-WP-F-G-3-4-221019-1.5-1.98	Conventionals	TOC	23100 mg/kg	23100J mg/kg	MS/MSD %R below CL
SE-WP-F-G-4-5-221019-0.5-01	Conventionals	TOC	57600 mg/kg	57600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	2020 µg/kg	2020J µg/kg	FD RPD above CL
		Aroclor 1260	3840 µg/kg	3840J µg/kg	
SE-WP-F-G-4-5-221019-00-0.5	Conventionals	TOC	45800 mg/kg	45800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1920 µg/kg	1920J µg/kg	LCS %R above CL
		Aroclor 1260	5290 µg/kg	5290J µg/kg	
SE-WP-F-G-4-5-221019-01-1.5	Conventionals	TOC	188000 mg/kg	188000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	188 µg/kg	188J µg/kg	LCS %R above CL
SE-WP-F-G-4-5-221019-1.5-1.98	Conventionals	TOC	212000 mg/kg	212000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	139 µg/kg	139J µg/kg	LCS %R above CL
SE-WP-F-G-4-5-BD0001	Conventionals	TOC	51400 mg/kg	51400J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	968 µg/kg	968J µg/kg	FD RPD above CL; LCS %R above CL
		Aroclor 1260	1880 µg/kg	1880J µg/kg	
SE-WP-C-D-2-3-221013-0.5-01	Conventionals	TOC	673 mg/kg	673J mg/kg	MS/MSD %R below CL
SE-WP-C-D-2-3-221013-00-0.5	Conventionals	TOC	25500 mg/kg	25500J mg/kg	MS/MSD %R below CL
SE-WP-C-D-2-3-221013-01-1.3	Conventionals	TOC	711 mg/kg	711J mg/kg	MS/MSD %R below CL
RB-2210131420	PCBs	Aroclor 1016	0.34U ug/L	0.34UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-D-E-2-221013-0.5-01	Conventionals	TOC	37900 mg/kg	37900J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
	PCBs	Aroclor 1254	58 µg/kg	58UJ µg/kg	FD RPD above CL
SE-WP-D-E-2-221013-00-0.5	PCBs	Aroclor 1254	351 µg/kg	351J µg/kg	Surrogate %R above CL
		Aroclor 1260	755 µg/kg	755J µg/kg	
SE-WP-D-E-2-BD0001	PCBs	Aroclor 1254	271 µg/kg	271J µg/kg	FD RPD above CL; Surrogate %R above CL
		Aroclor 1260	162 µg/kg	162J µg/kg	Surrogate %R above CL
SE-WP-F-G-2-221013-0.5-01	PCBs	Aroclor 1254	643 µg/kg	643J µg/kg	Surrogate %R above CL
		Aroclor 1260	256 µg/kg	256J µg/kg	
SE-WP-F-G-2-221013-00-0.5	Conventionals	TOC	84500 mg/kg	84500J mg/kg	MS/MSD %R below CL
SE-WP-G-H-2-3-221013-0.5-01	Conventionals	TOC	13200 mg/kg	13200J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	1190 µg/kg	1190J µg/kg	Column Confirmation RPD above CL
SE-WP-G-H-2-3-221013-00-0.5	Conventionals	TOC	52400 mg/kg	52400J mg/kg	MS/MSD %R below CL
SE-WP-G-H-2-3-221013-01-1.5	Conventionals	TOC	14000 mg/kg	14000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	320 µg/kg	320J µg/kg	Column Confirmation RPD above CL
SE-WP-G-H-2-3-221013-1.5-02	Conventionals	TOC	1700 mg/kg	1700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	63.5 µg/kg	63.5J µg/kg	Surrogate %R above CL
		Aroclor 1260	119 µg/kg	119J µg/kg	Surrogate %R above CL; Column Confirmation RPD above CL
RB-2210131407	PCBs	Aroclor 1016	0.18 ug/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-E-213-50-221013-00-01	PCBs	Aroclor 1254	2150 µg/kg	2150J µg/kg	Surrogate %R above CL
		Aroclor 1260	10200 µg/kg	10200J µg/kg	
RB-E-217-98-221013-00-01	PCBs	Aroclor 1254	1450 µg/kg	1450J µg/kg	Column Confirmation RPD above CL
RB-E-218-57-221013-00-01	PCBs	Aroclor 1254	2670 µg/kg	2670J µg/kg	Column Confirmation RPD above CL
RB-E-223-22-221013-00-01	PCBs	Aroclor 1254	1620 µg/kg	1620J µg/kg	Column Confirmation RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-225-25-221013-00-01	PCBs	Aroclor 1254	429 µg/kg	429J µg/kg	Column Confirmation RPD above CL
RB-W-242-14-221013-00-01	PCBs	Aroclor 1254	3560 µg/kg	3560J µg/kg	Surrogate %R above CL
RB-W-243-20-221013-00-01	PCBs	Aroclor 1254	1800 µg/kg	1800J µg/kg	Surrogate %R above CL
RB-W-245-59-221013-00-01	PCBs	Aroclor 1254	190 µg/kg	190J µg/kg	Surrogate %R above CL
RB-2210171315	PCBs	Aroclor 1016	0.34 ug/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210171346	PCBs	Aroclor 1016	0.34 ug/L	0.34UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-E-9-221017-0.5-01	Conventionals	TOC	60000 mg/kg	60000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-WP-E-9-221017-00-0.5	Conventionals	TOC	48800 mg/kg	48800J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-WP-E-9-221017-01-1.5	Conventionals	TOC	99900 mg/kg	99900J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-WP-F-11-12-221017-1.5-02	PCBs	Aroclor 1254	3390 µg/kg	3390J µg/kg	Surrogate %R above CL
		Aroclor 1260	4110 µg/kg	4110J µg/kg	
SE-WP-F-12-13-221017-00-0.5	Conventionals	TOC	56000 mg/kg	56000J mg/kg	MSD %R above CL
SE-WP-F-12-13-221017-01-1.5	Conventionals	TOC	48500 mg/kg	48500J mg/kg	MSD %R above CL
SE-WP-F-12-13-221017-02-2.3	Conventionals	TOC	99400 mg/kg	99400J mg/kg	MSD %R above CL
SE-WP-F-12-13-221017-1.5-02	Conventionals	TOC	105000 mg/kg	105000J mg/kg	MSD %R above CL
SE-WP-F-G-13-14-221017-0.5-01	Conventionals	TOC	67600 mg/kg	67600J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	683 µg/kg	683J µg/kg	Surrogate %R above CL
		Aroclor 1260	2600 µg/kg	2600J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-F-G-13-14-221017-00-0.5	Conventionals	TOC	14500 mg/kg	14500J mg/kg	MSD %R above CL
SE-WP-F-G-13-14-221017-01-1.5	Conventionals	TOC	34400 mg/kg	34400J mg/kg	FD RPD above CL; MSD %R above CL
	PCBs	Aroclor 1260	101 µg/kg	101J µg/kg	Column Confirmation RPD above CL
SE-WP-F-G-13-14-BD0001	Conventionals	TOC	103000 mg/kg	103000J mg/kg	FD RPD above CL; MSD %R above CL
SE-WP-G-15-16-221017-0.5-0.86	Conventionals	TOC	16100 mg/kg	16100J mg/kg	MSD %R above CL
SE-WP-G-15-16-221017-00-0.5	Conventionals	TOC	62900 mg/kg	62900J mg/kg	MSD %R above CL
SE-WP-G-16-17-221017-0.5-01	Conventionals	TOC	74100 mg/kg	74100J mg/kg	MSD %R below CL
SE-WP-G-16-17-221017-00-0.5	Conventionals	TOC	67500 mg/kg	67500J mg/kg	MSD %R below CL
SE-WP-G-18-19-221017-0.5-01	Conventionals	TOC	38600 mg/kg	38600J mg/kg	MSD %R below CL
SE-WP-G-18-19-221017-00-0.5	Conventionals	TOC	82900 mg/kg	82900J mg/kg	MSD %R below CL
SE-WP-G-18-19-221017-01-1.5	Conventionals	TOC	33300 mg/kg	33300J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	785 µg/kg	785J µg/kg	Surrogate %R above CL
		Aroclor 1260	3730 µg/kg	3730J µg/kg	
SE-WP-G-18-19-221017-02-2.48	Conventionals	TOC	7850 mg/kg	7850J mg/kg	MSD %R below CL
SE-WP-G-18-19-221017-1.5-02	Conventionals	TOC	47500 mg/kg	47500J mg/kg	MSD %R below CL
SE-WP-G-H-17-18-221017-0.5-01	Conventionals	TOC	42500 mg/kg	42500J mg/kg	MSD %R below CL
SE-WP-G-H-17-18-221017-00-0.5	Conventionals	TOC	72200 mg/kg	72200J mg/kg	MSD %R below CL
SE-WP-G-H-17-18-221017-01-1.5	Conventionals	TOC	26200 mg/kg	26200J mg/kg	MSD %R below CL
SE-WP-G-H-17-18-221017-02-2.5	Conventionals	TOC	2100 mg/kg	2100J mg/kg	MS %R below CL
SE-WP-G-H-17-18-221017-1.5-02	Conventionals	TOC	17200 mg/kg	17200J mg/kg	MS %R below CL
RB-2210141455	PCBs	Aroclor 1016	0.36U ug/L	0.36UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-A-B-4-5-221014-0.5-01	Conventionals	TOC	111000 mg/kg	111000J mg/kg	MS/MSD %R below CL; Holding Times

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-A-B-4-5-221014-00-0.5	Conventionals	TOC	19800 mg/kg	19800J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-A-B-4-5-221014-01-1.15	Conventionals	TOC	15900 mg/kg	15900J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-A-B-5-6-221014-0.5-01	Conventionals	TOC	20400 mg/kg	20400J mg/kg	MS/MSD %R below CL; FD RPD above CL; Holding Times
SE-WP-A-B-5-6-221014-00-0.5	Conventionals	TOC	79800 mg/kg	79800J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	234 µg/kg	234J µg/kg	MS/MSD RPD above CL; MS/MSD %R above CL
		Aroclor 1260	338 µg/kg	338J µg/kg	
SE-WP-A-B-5-6-BD0001	Conventionals	TOC	9480 mg/kg	9480J mg/kg	MS/MSD %R below CL; FD RPD above CL; Holding Times
SE-WP-B-C-3-4-221014-0.5-01	Conventionals	TOC	41300 mg/kg	41300J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-3-4-221014-00-0.5	Conventionals	TOC	15300 mg/kg	15300J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-0.5-01	Conventionals	TOC	167000 mg/kg	167000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-00-0.5	Conventionals	TOC	40200 mg/kg	40200J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-01-1.5	Conventionals	TOC	133000 mg/kg	133000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-02-2.31	Conventionals	TOC	44700 mg/kg	44700J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-1.5-02	Conventionals	TOC	78400 mg/kg	78400J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-C-D-6-221014-0.5-01	Conventionals	TOC	104000 mg/kg	104000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-C-D-6-221014-00-0.5	Conventionals	TOC	23000 mg/kg	23000J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	148 µg/kg	148J µg/kg	LCSD %R above CL
SE-WP-C-D-6-221014-01-1.5	Conventionals	TOC	239000 mg/kg	239000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-C-D-6-221014-02-2.5	Conventionals	TOC	43900 mg/kg	43900J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-C-D-6-221014-1.5-02	Conventionals	TOC	233000 mg/kg	233000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-D-E-6-7-221014-0.5-01	Conventionals	TOC	56500 mg/kg	56500J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	67.9 µg/kg	67.9J µg/kg	LCSD %R above CL
SE-WP-D-E-6-7-221014-00-0.5	Conventionals	TOC	80000 mg/kg	80000J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	3250 µg/kg	3250J µg/kg	LCSD %R above CL
		Aroclor 1260	11200 µg/kg	11200J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-D-E-6-7-221014-01-1.5	Conventionals	TOC	6410 mg/kg	6410J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1260	31.5 µg/kg	31.5J µg/kg	LCSD %R above CL
SE-WP-D-E-6-7-221014-1.5-1.98	Conventionals	TOC	10100 mg/kg	10100J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-WP-E-7-8-221014-0.5-01	Conventionals	TOC	263000 mg/kg	263000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	234 µg/kg	234J µg/kg	LCSD %R above CL
		Aroclor 1260	402 µg/kg	402J µg/kg	
SE-WP-E-7-8-221014-00-0.5	Conventionals	TOC	145000 mg/kg	145000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	1410 µg/kg	1410J µg/kg	LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	4010 µg/kg	4010J µg/kg	LCSD %R above CL
SE-WP-E-8-9-221014-0.5-01	Conventionals	TOC	15900 mg/kg	15900J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	76.5 µg/kg	76.5J µg/kg	LCSD %R above CL
		Aroclor 1260	456 µg/kg	456J µg/kg	
SE-WP-E-8-9-221014-00-0.5	Conventionals	TOC	16000 mg/kg	16000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1260	57.4 µg/kg	57.4J µg/kg	LCSD %R above CL
SE-WP-E-8-9-221014-01-1.5	Conventionals	TOC	7030 mg/kg	7030J mg/kg	MS/MSD RPD above CL; MSD %R below CL

Notes:
%R: percent recovery
CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-E-F-6-7-221018-0.5-01	JD54083-1	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-6-7-221018-00-0.5	JD54083-2	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-6-7-221018-01-1.5	JD54083-3	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-6-7-221018-1.5-02	JD54083-4	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-8-9-221018-0.5-01	JD54083-5	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-8-9-221018-00-0.5	JD54083-6	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-8-9-221018-01-1.5	JD54083-7	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-8-9-221018-1.5-1.81	JD54083-8	JD54083	Sediment	PCBs, TOC, TS
RB-2210181432	JD54083-9	JD54083	Water	PCBs, TOC
SE-WP-E-F-9-10-221018-0.5-01	JD54083-10	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-9-10-221018-00-0.5	JD54083-11	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-9-10-221018-01-1.5	JD54083-12	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-9-10-221018-1.5-1.95	JD54083-13	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-9-10-BD0001	JD54083-14	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-6-7-221018-0.5-01	JD54083-15	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-6-7-221018-00-0.5	JD54083-16	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-6-7-221018-01-1.5	JD54083-17	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-7-8-221018-0.5-01	JD54083-18	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-7-8-221018-00-0.5	JD54083-19	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-7-8-221018-01-1.5	JD54083-20	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-7-8-221018-1.5-1.9	JD54083-21	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-G-5-6-221018-0.5-01	JD54083-22	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-G-5-6-221018-00-0.5	JD54083-23	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-G-5-6-221018-01-1.5	JD54083-24	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-G-5-6-221018-1.5-02	JD54083-25	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-19-20-221018-0.5-01	JD54083-26	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-19-20-221018-00-0.5	JD54083-27	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-19-20-221018-01-1.45	JD54083-28	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-0.5-01	JD54083-29	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-00-0.5	JD54083-30	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-01-1.5	JD54083-31	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-02-2.27	JD54083-32	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-1.5-02	JD54083-33	JD54083	Sediment	PCBs, TOC, TS
RB-2210181554	JD54083-34	JD54083	Water	PCBs, TOC
SE-WP-G-5-221018-0.5-01	JD54083-35	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-5-221018-00-0.5	JD54083-36	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-5-221018-01-1.5	JD54083-37	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-5-221018-1.5-1.95	JD54083-38	JD54083	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-G-5-BD0001	JD54083-39	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-H-3-4-221018-0.5-01	JD54083-40	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-H-3-4-221018-00-0.5	JD54083-41	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-H-3-4-221018-01-1.5	JD54083-42	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-H-3-4-221018-1.5-1.65	JD54083-43	JD54083	Sediment	PCBs, TOC, TS
RB-2210191421	JD54110-53	JD54110	Water	PCBs, TOC
RB-2210191507	JD54110-26	JD54110	Water	PCBs, TOC
RB-2210191552	JD54110-19	JD54110	Water	PCBs, TOC
SE-WP-C-D-5-6-221019-0.5-01	JD54110-1	JD54110	Sediment	PCBs, TOC, TS
SE-WP-C-D-5-6-221019-00-0.5	JD54110-2	JD54110	Sediment	PCBs, TOC, TS
SE-WP-C-D-5-6-221019-01-1.5	JD54110-3	JD54110	Sediment	PCBs, TOC, TS
SE-WP-C-D-5-6-221019-02-2.28	JD54110-4	JD54110	Sediment	PCBs, TOC, TS
SE-WP-C-D-5-6-221019-1.5-02	JD54110-5	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-0.5-01	JD54110-6	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-00-0.5	JD54110-7	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-01-1.5	JD54110-8	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-02-2.5	JD54110-9	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-1.5-02	JD54110-10	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-3-4-221019-0.5-01	JD54110-11	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-3-4-221019-00-0.5	JD54110-12	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-3-4-221019-01-1.5	JD54110-13	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-3-4-221019-1.5-02	JD54110-14	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-4-5-221019-0.5-01	JD54110-15	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-4-5-221019-00-0.5	JD54110-16	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-4-5-221019-01-1.5	JD54110-17	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-4-5-221019-1.5-02	JD54110-18	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-0.5-01	JD54110-20	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-00-0.5	JD54110-21	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-01-1.5	JD54110-22	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-02-2.47	JD54110-23	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-1.5-02	JD54110-24	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-BD0001	JD54110-25	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-0.5-01	JD54110-27	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-00-0.5	JD54110-28	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-01-1.5	JD54110-29	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-02-2.5	JD54110-30	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-1.5-02	JD54110-31	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-BD0001	JD54110-32	JD54110	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-E-F-3-4-221019-0.5-01	JD54110-33	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-3-4-221019-00-0.5	JD54110-34	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-3-4-221019-01-1.5	JD54110-35	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-3-4-221019-1.5-02	JD54110-36	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-4-5-221019-0.5-01	JD54110-37	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-4-5-221019-00-0.5	JD54110-38	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-4-5-221019-01-1.5	JD54110-39	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-4-5-221019-1.5-1.9	JD54110-40	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-0.5-01	JD54110-41	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-00-0.5	JD54110-42	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-01-1.5	JD54110-43	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-02-2.45	JD54110-44	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-1.5-02	JD54110-45	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-3-221019-0.5-01	JD54110-46	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-3-221019-00-0.5	JD54110-47	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-3-221019-01-1.5	JD54110-48	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-3-4-221019-0.5-01	JD54110-49	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-3-4-221019-00-0.5	JD54110-50	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-3-4-221019-01-1.5	JD54110-51	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-3-4-221019-1.5-1.98	JD54110-52	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-221019-0.5-01	JD54110-54	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-221019-00-0.5	JD54110-55	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-221019-01-1.5	JD54110-56	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-221019-1.5-1.98	JD54110-57	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-BD0001	JD54110-58	JD54110	Sediment	PCBs, TOC, TS
RB-2210131420	JD54112-4	JD54112	Water	PCBs, TOC
SE-WP-C-D-2-3-221013-0.5-01	JD54112-1	JD54112	Sediment	PCBs, TOC, TS
SE-WP-C-D-2-3-221013-00-0.5	JD54112-2	JD54112	Sediment	PCBs, TOC, TS
SE-WP-C-D-2-3-221013-01-1.3	JD54112-3	JD54112	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-221013-0.5-01	JD54112-5	JD54112	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-221013-00-0.5	JD54112-6	JD54112	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-221013-01-1.5	JD54112-7	JD54112	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-BD0001	JD54112-8	JD54112	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-221013-0.5-01	JD54112-9	JD54112	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-221013-00-0.5	JD54112-10	JD54112	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-221013-01-1.25	JD54112-11	JD54112	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-221013-0.5-01	JD54112-12	JD54112	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-221013-00-0.5	JD54112-13	JD54112	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-G-H-2-3-221013-0.5-01	JD54112-14	JD54112	Sediment	PCBs, TOC, TS
SE-WP-G-H-2-3-221013-00-0.5	JD54112-15	JD54112	Sediment	PCBs, TOC, TS
SE-WP-G-H-2-3-221013-01-1.5	JD54112-16	JD54112	Sediment	PCBs, TOC, TS
SE-WP-G-H-2-3-221013-1.5-02	JD54112-17	JD54112	Sediment	PCBs, TOC, TS
RB-E-212-99-221013-00-01	JD54113-1	JD54113	Soil	PCBs, TS
RB-E-213-50-221013-00-01	JD54113-2	JD54113	Soil	PCBs, TS
RB-E-214-02-221013-00-01	JD54113-3	JD54113	Soil	PCBs, TS
RB-E-214-48-221013-00-01	JD54113-4	JD54113	Soil	PCBs, TS
RB-E-214-98-221013-00-01	JD54113-5	JD54113	Soil	PCBs, TS, GS, MC
RB-E-215-47-221013-00-01	JD54113-6	JD54113	Soil	PCBs, TS
RB-E-216-02-221013-00-01	JD54113-7	JD54113	Soil	PCBs, TS
RB-E-216-78-221013-00-01	JD54113-8	JD54113	Soil	PCBs, TS
RB-E-217-36-221013-00-01	JD54113-9	JD54113	Soil	PCBs, TS
RB-E-217-98-221013-00-01	JD54113-10	JD54113	Soil	PCBs, TS
RB-E-218-57-221013-00-01	JD54113-11	JD54113	Soil	PCBs, TS
RB-E-218-57-BD0001	JD54113-12	JD54113	Soil	PCBs, TS
RB-E-219-29-221013-00-01	JD54113-13	JD54113	Soil	PCBs, TS
RB-E-219-83-221013-00-01	JD54113-14	JD54113	Soil	PCBs, TS
RB-E-220-29-221013-00-01	JD54113-15	JD54113	Soil	PCBs, TS
RB-E-220-77-221013-00-01	JD54113-16	JD54113	Soil	PCBs, TS
RB-E-221-31-221013-00-01	JD54113-17	JD54113	Soil	PCBs, TS
RB-E-221-80-221013-00-01	JD54113-18	JD54113	Soil	PCBs, TS
RB-E-222-46-221013-00-01	JD54113-19	JD54113	Soil	PCBs, TS
RB-E-223-22-221013-00-01	JD54113-20	JD54113	Soil	PCBs, TS, GS, MC
RB-E-224-14-221013-00-01	JD54113-21	JD54113	Soil	PCBs, TS
RB-E-224-77-221013-00-01	JD54113-22	JD54113	Soil	PCBs, TS
RB-E-225-25-221013-00-01	JD54113-23	JD54113	Soil	PCBs, TS
RB-E-225-68-221013-00-01	JD54113-24	JD54113	Soil	PCBs, TS
RB-E-226-14-221013-00-01	JD54113-25	JD54113	Soil	PCBs, TS
RB-E-226-56-221013-00-01	JD54113-26	JD54113	Soil	PCBs, TS
RB-W-242-14-221013-00-01	JD54113-27	JD54113	Soil	PCBs, TS
RB-W-242-63-221013-00-01	JD54113-28	JD54113	Soil	PCBs, TS
RB-W-243-20-221013-00-01	JD54113-29	JD54113	Soil	PCBs, TS, GS, MC
RB-W-243-90-221013-00-01	JD54113-30	JD54113	Soil	PCBs, TS
RB-2210131407	JD54113-31	JD54113	Water	PCBs
RB-W-244-18-221013-00-01	JD54113-32	JD54113	Soil	PCBs, TS
RB-W-244-90-221013-00-01	JD54113-33	JD54113	Soil	PCBs, TS
RB-W-245-18-221013-00-01	JD54113-34	JD54113	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-245-59-221013-00-01	JD54113-35	JD54113	Soil	PCBs, TS
RB-W-246-04-221013-00-01	JD54113-36	JD54113	Soil	PCBs, TS
SE-WP-E-9-221017-0.5-01	JD54116-1	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-9-221017-00-0.5	JD54116-2	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-9-221017-01-1.5	JD54116-3	JD54116	Sediment	PCBs, TOC, TS
RB-2210171315	JD54116-4	JD54116	Water	PCBs, TOC
SE-WP-E-F-10-11-221017-0.5-01	JD54116-5	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-F-10-11-221017-00-0.5	JD54116-6	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-F-10-11-221017-01-1.48	JD54116-7	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-F-10-11-BD0001	JD54116-8	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-0.5-01	JD54116-9	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-00-0.5	JD54116-10	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-01-1.5	JD54116-11	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-02-2.31	JD54116-12	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-1.5-02	JD54116-13	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-0.5-01	JD54116-14	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-00-0.5	JD54116-15	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-01-1.5	JD54116-16	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-02-2.3	JD54116-17	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-1.5-02	JD54116-18	JD54116	Sediment	PCBs, TOC, TS
RB-2210171346	JD54116-19	JD54116	Water	PCBs, TOC
SE-WP-F-G-13-14-221017-0.5-01	JD54116-20	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-G-13-14-221017-00-0.5	JD54116-21	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-G-13-14-221017-01-1.5	JD54116-22	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-G-13-14-BD0001	JD54116-23	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-15-16-221017-0.5-0.86	JD54116-24	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-15-16-221017-00-0.5	JD54116-25	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-16-17-221017-0.5-01	JD54116-26	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-16-17-221017-00-0.5	JD54116-27	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-0.5-01	JD54116-28	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-00-0.5	JD54116-29	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-01-1.5	JD54116-30	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-02-2.48	JD54116-31	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-1.5-02	JD54116-32	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-H-17-18-221017-0.5-01	JD54116-33	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-H-17-18-221017-00-0.5	JD54116-34	JD54116	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-G-H-17-18-221017-01-1.5	JD54116-35	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-H-17-18-221017-02-2.5	JD54116-36	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-H-17-18-221017-1.5-02	JD54116-37	JD54116	Sediment	PCBs, TOC, TS
SE-WP-A-B-4-5-221014-0.5-01	JD54118-1	JD54118	Sediment	PCBs, TOC, TS
SE-WP-A-B-4-5-221014-00-0.5	JD54118-2	JD54118	Sediment	PCBs, TOC, TS
SE-WP-A-B-4-5-221014-01-1.15	JD54118-3	JD54118	Sediment	PCBs, TOC, TS
RB-2210141455	JD54118-4	JD54118	Water	PCBs, TOC
SE-WP-A-B-5-6-221014-0.5-01	JD54118-5	JD54118	Sediment	PCBs, TOC, TS
SE-WP-A-B-5-6-221014-00-0.5	JD54118-6	JD54118	Sediment	PCBs, TOC, TS
SE-WP-A-B-5-6-BD0001	JD54118-7	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-3-4-221014-0.5-01	JD54118-8	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-3-4-221014-00-0.5	JD54118-9	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-0.5-01	JD54118-10	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-00-0.5	JD54118-11	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-01-1.5	JD54118-12	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-02-2.31	JD54118-13	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-1.5-02	JD54118-14	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-0.5-01	JD54118-15	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-00-0.5	JD54118-16	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-01-1.5	JD54118-17	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-02-2.5	JD54118-18	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-1.5-02	JD54118-19	JD54118	Sediment	PCBs, TOC, TS
SE-WP-D-E-6-7-221014-0.5-01	JD54118-20	JD54118	Sediment	PCBs, TOC, TS
SE-WP-D-E-6-7-221014-00-0.5	JD54118-21	JD54118	Sediment	PCBs, TOC, TS
SE-WP-D-E-6-7-221014-01-1.5	JD54118-22	JD54118	Sediment	PCBs, TOC, TS
SE-WP-D-E-6-7-221014-1.5-1.98	JD54118-23	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-7-8-221014-0.5-01	JD54118-24	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-7-8-221014-00-0.5	JD54118-25	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-8-9-221014-0.5-01	JD54118-26	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-8-9-221014-00-0.5	JD54118-27	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-8-9-221014-01-1.5	JD54118-28	JD54118	Sediment	PCBs, TOC, TS

Data Validation Report – EPA Stage 2A

February 3, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-000015

This report summarizes the review of analytical results for 95 soil samples, 104 sediment samples, 10 field duplicate samples, and 8 equipment rinsate blanks collected in August and September 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by Method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Ten SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Eight equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and two were analyzed for TOC. All results were below detection.

Field Duplicates

Ten field duplicates were collected in association with these sample sets. Detected results in the remaining are summarized in Table 1. Results that were less than two times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD values were assessed by the 50% RPD value listed in the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	RB-E-001-77-220830-00-01	RB-E-001-77-BD0001	RPD	Difference	Difference CL
Total solids	88.1 %	89 %	1%	--	--
Aroclor 1254	6830 µg/kg	6090 µg/kg	11%	--	--
Aroclor 1260	17900 µg/kg	13200 µg/kg	30%	--	--
Total PCBs	24700 µg/kg	19300 µg/kg	25%	--	--

Analyte	RB-E-007-65-220901-00-01	RB-E-007-65-BD0001	RPD	Difference	Difference CL
Total solids	76.2 %	77.2 %	1%	--	--
Aroclor 1254	1490 µg/kg	1290 µg/kg	14%	--	--
Aroclor 1260	3760 µg/kg	3580 µg/kg	5%	--	--

Analyte	RB-E-015-26-220907-00-01	RB-E-015-26-BD0001	RPD	Difference	Difference CL
Total solids	74.6 %	70.9 %	5%	--	--
Aroclor 1254	1600 µg/kg	1270 µg/kg	23%	--	--
Aroclor 1260	5970 µg/kg	2880 µg/kg	70%	--	--

Analyte	RB-W-003-56-220831-00-01	RB-W-003-56-BD0001	RPD	Difference	Difference CL
Total solids	74.4 %	68.9 %	8%	--	--
Aroclor 1254	3640 µg/kg	328 µg/kg	167%	--	--
Aroclor 1260	7420 µg/kg	1020 µg/kg	152%	--	--

Analyte	RB-W-008-83-220902-00-01	RB-W-008-83-BD0001	RPD	Difference	Difference CL
Total solids	86.6 %	87.6 %	1%	--	--
Aroclor 1254	2030 µg/kg	2020 µg/kg	0%	--	--
Aroclor 1260	7380 µg/kg	7080 µg/kg	4%	--	--

Analyte	SE-000-00-W-220830-0.5-01	SE-000-00-W-BD0001	RPD	Difference	Difference CL
TOC	7170 mg/kg	11800 mg/kg	49%	--	--
Total solids	75.3 %	79.4 %	5%	--	--
Aroclor 1254	2440 µg/kg	2180 µg/kg	11%	--	--
Aroclor 1260	3880 µg/kg	2670 µg/kg	37%	--	--
Total PCBs	6330 µg/kg	4850 µg/kg	26%	--	--

Analyte	SE-005-13-E-220830-0.5-01	SE-005-13-E-BD0001	RPD	Difference	Difference CL
TOC	5170 mg/kg	3200 mg/kg	47%	--	--
Total solids	89.1 %	78.5 %	13%	--	--
Aroclor 1254	115 µg/kg	65.5 µg/kg	--	49.5 µg/kg	84 µg/kg

Analyte	SE-005-13-E-220830-0.5-01	SE-005-13-E-BD0001	RPD	Difference	Difference CL
Aroclor 1260	169 µg/kg	72 µg/kg	--	97 µg/kg	84 µg/kg
Total PCBs	284 µg/kg	138 µg/kg	--	146 µg/kg	84 µg/kg

Analyte	SE-022-98-W-220907-00-0.5	SE-022-98-W-BD0001	RPD	Difference	Difference CL
TOC	1700 mg/kg	2140 mg/kg	23%	--	--
Total solids	76.8 %	76.3 %	1%	--	--
Aroclor 1260	70.1 µg/kg	51.4 µg/kg	--	18.7 µg/kg	86 µg/kg

Analyte	SE-E-OWB1-02-220906-01-1.5	SE-E-OWB1-02-BD0001	RPD	Difference	Difference CL
TOC	24000 mg/kg	14600 mg/kg	49%	--	--
Total solids	70.3 %	67.9 %	3%	--	--
Aroclor 1254	1070 µg/kg	817 µg/kg	27%	--	--
Aroclor 1260	3760 µg/kg	2480 µg/kg	41%	--	--

Analyte	SE-E-OWB1-07-220907-01-1.5	SE-E-OWB1-07-BD0001	RPD	Difference	Difference CL
TOC	26300 mg/kg	94100 mg/kg	113%	--	--
Total solids	78.5 %	68.7 %	13%	--	--
Aroclor 1254	1500 µg/kg	1960 µg/kg	27%	--	--
Aroclor 1260	2590 µg/kg	3460 µg/kg	29%	--	--

Notes:

µg/kg: microgram per kilogram

CL: control limit

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. Surrogates recovered outside of control limits in some laboratory QC samples, however, data are not qualified for surrogate outliers in QC samples alone. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD51069 – Decachlorobiphenyl (DCB) recovered below 10% on both columns in the analysis of rinse blank RB-2208311410. Associated sample results have been rejected.

- SDG JD51081 – DCB recovered above the control limit in second column analyses of six samples. Associated sample results have been qualified “J” to indicate a potentially high bias.
- SDG JD51185 – DCB recovered above the control limit in the second column analyses of samples RB-E-007-65-220901-00-01, RB-W-005-32-220901-00-01, and RB-W-007-07-220901-00-01. DCB recovered above the control limit in the first column analysis of RB-W-006-58-220901-00-01. Associated detected sample results have been qualified “J” to indicate a potentially high bias.
- SDG JD51186 –
 - DCB recovered above the control limit in the undiluted and diluted analyses of sample RB-E-009-20-220902-00-01. Detected results were reported from the diluted analysis, however, since DCB recovered above the limit in both analyses, detected results have been qualified “J” to indicate a potentially high bias.
 - DCB recovered above the control limit in the undiluted analyses of samples RB-W-220902-00-01 and RB-W-004-63-220902-00-01 and tetrachloro-m-xylene recovered below the control limit in the diluted analyses of the same samples. The non-detected results were reported from the undiluted analyses so were not qualified. The detected results reported from the diluted analyses have been qualified “J” to indicate a potentially low bias.
 - DCB recovered above the control limit in the analyses of four additional samples and associated detected sample results have been qualified “J” to indicate a potentially high bias.
- SDG JD51431 – DCB recovered above the control limit in the analyses of seven samples. Associated detected results have been qualified “J” to indicate a potentially high bias.
- SDG JD51434 – DCB recovered below the control limit and below 10% in the analysis of rinse blank RB-2209071045. Since the other surrogate recovered within control limits and the second column DCB results was 10%, associated results have been qualified “UJ” to indicate a potentially low bias.
- SDG JD51436 – DCB recovered above the control limit in the analysis of sample SE-E-OWB1-05-220906-00-0.5. Associated detected sample results have been qualified “J” to indicate a potentially high bias.

Column Confirmation Results

Second column confirmation results were within method requirements for detected results with the following exceptions:

- SDG JD51068 – The Aroclor 1254 RPD value was above the control limit in the analysis of sample RB-W-000-50-220830-00-01 and the result has been qualified “J” as estimated.
- SDG JD51431 – The Aroclor 1254 RPD values were above the control limit in the analysis of sample SE-E-OWB1-07-220907-0.5-01 and the result has been qualified “J” as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions:

- Aroclor Batch OP41660 – Aroclor 1260 recovered above the control limit. Associated detected sample results have been qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP41672 – Aroclor 1016 recovered below the control limit in the LCSD and the Aroclor 1016 and 1260 MS/MSD RPD values were above the control limit. Associated rinse blank results that were not previously rejected due to a very low surrogate recovery were qualified “UJ” to indicate a potentially low bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequency. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD51068 – Aroclor 1260 did not recover and recovered below the control limit in the MS and MSD analyzed on sample RB-E-000-72-220830-00-01. Associated parent sample results have been qualified “J” or “UJ” to indicate a potentially low bias.
- SDG JD51070 –
 - Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample SE-007-71-E-220831-00-0.5. Associated detected results have been qualified “J” to indicate a potentially high bias.
 - TOC recovered below the control limit in the MSs and MSDs analyzed on samples SE-007-71-E-220831-0.5-0.75 and SE-010-20-E-220831-00-0.5 and reported in batch GP42287. Associated batch sample results have been qualified “J” to indicate a potentially low bias.
- SDG JD51081 –
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample SE-000-00-C-220830-0.5-01. Associated sample results were below detection, so no data were qualified.
 - TOC recovered below the control limit in MSs and/or MSDs samples analyzed on four samples in two batches (GP42238 and GP42277). Associated batch sample results have been qualified “J” to indicate a potentially low bias.

- SDG JD51185 – Aroclor 1016 recovered above the control limit in the MS analyzed on sample RB-E-006-28-220901-00-01 and the MS/MSD RPD value was above the control limit. Associated parent sample results were below detection, so no data were qualified.
- SDG JD51186 – Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample RB-W-005-100-220902-00-01 and Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample RB-E-008-74-220902-00-01. Associated parent sample results were below detection so no data were qualified.
- SDG JD51431 –
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample RB-W-005-100-220902-00-01 and Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample SE-E-OWB1-07-220907-0.5-01. Associated parent sample results were below detection so no data were qualified.
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-022-98-C-220907-00-0.5 in batch GP42367 and below the control limit in the MSD analyzed on sample SE-E-OWB1-07-220907-0.5-01 in batch GP42403. Associated sample results have been qualified "J" to indicate a potentially low bias. The result for sample SE-022-98-W-220907-0.5-01 was not qualified since the MS/MSD analyzed on that sample recovered within control limits.
- SDG JD51436 – TOC recovered below the control limit in the MS and MSD analyzed on sample SE-E-OWB1-02-220906-00-0.5, and below the control limit in the MSD analyzed on sample SE-E-OWB1-03-220906-1.5-1.79. Both sets of MS/MSDs were reported in batch GP42366. Associated batch sample results have been qualified "J" to indicate a potentially low bias.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or

qualified. Seven results in a rinse blank were rejected due to a very low surrogate recovery. Completeness was greater than 99%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2208311410	PCBs	Aroclor 1016	0.33U µg/L	R	Surrogate %R below 10%
		Aroclor 1221	0.33U µg/L	R	
		Aroclor 1232	0.33U µg/L	R	
		Aroclor 1242	0.33U µg/L	R	
		Aroclor 1248	0.33U µg/L	R	
		Aroclor 1254	0.33U µg/L	R	
		Aroclor 1260	0.33U µg/L	R	
RB-2208311420	PCBs	Aroclor 1016	0.4U µg/L	0.4UJ µg/L	LCSD %R below CL
		Aroclor 1221	0.4U µg/L	0.4UJ µg/L	
		Aroclor 1232	0.4U µg/L	0.4UJ µg/L	
RB-2209071045	PCBs	Aroclor 1016	0.38U µg/L	0.38UJ µg/L	Surrogate %R below CL
		Aroclor 1221	0.38U µg/L	0.38UJ µg/L	
		Aroclor 1232	0.38U µg/L	0.38UJ µg/L	
		Aroclor 1242	0.38U µg/L	0.38UJ µg/L	
		Aroclor 1248	0.38U µg/L	0.38UJ µg/L	
		Aroclor 1254	0.38U µg/L	0.38UJ µg/L	
		Aroclor 1260	0.38U µg/L	0.38UJ µg/L	
RB-E-000-00-220830-00-01	PCBs	Aroclor 1254	118 µg/kg	118J µg/kg	LCS %R above CL
		Aroclor 1260	217 µg/kg	217J µg/kg	
		Total PCBs	335 µg/kg	335J µg/kg	
RB-E-000-25-220830-00-01	PCBs	Aroclor 1254	2100 µg/kg	2100J µg/kg	LCS %R above CL
		Aroclor 1260	6640 µg/kg	6640J µg/kg	
		Total PCBs	8740 µg/kg	8740J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-000-49-220830-00-01	PCBs	Aroclor 1254	526 µg/kg	526J µg/kg	LCS %R above CL
		Aroclor 1260	2370 µg/kg	2370J µg/kg	
		Total PCBs	2900 µg/kg	2900J µg/kg	
RB-E-000-72-220830-00-01	PCBs	Aroclor 1254	209 µg/kg	209J µg/kg	LCS %R above CL; MS/MSD below CL
		Aroclor 1260	594 µg/kg	594J µg/kg	
		Total PCBs	803 µg/kg	803J µg/kg	
		Aroclor 1248	40U µg/kg	40UJ µg/kg	MS/MSD below CL
RB-E-000-89-220830-00-01	PCBs	Aroclor 1254	1300 µg/kg	1300J µg/kg	LCS %R above CL
		Aroclor 1260	5180 µg/kg	5180J µg/kg	
		Total PCBs	6470 µg/kg	6470J µg/kg	
RB-E-001-00-220830-00-01	PCBs	Aroclor 1254	819 µg/kg	819J µg/kg	LCS %R above CL
		Aroclor 1260	1390 µg/kg	1390J µg/kg	
		Total PCBs	2210 µg/kg	2210J µg/kg	
RB-E-001-24-220830-00-01	PCBs	Aroclor 1254	4270 µg/kg	4270J µg/kg	LCS %R above CL
		Aroclor 1260	12500 µg/kg	12500J µg/kg	
		Total PCBs	16800 µg/kg	16800J µg/kg	
RB-E-001-77-220830-00-01	PCBs	Aroclor 1254	6830 µg/kg	6830J µg/kg	LCS %R above CL
		Total PCBs	24700 µg/kg	24700J µg/kg	
		Aroclor 1260	17900 µg/kg	17900J µg/kg	LCS %R above CL; FD RPD above CL
RB-E-001-77-BD0001	PCBs	Aroclor 1254	6090 µg/kg	6090J µg/kg	LCS %R above CL
		Total PCBs	19300 µg/kg	19300J µg/kg	
		Aroclor 1260	13200 µg/kg	13200J µg/kg	LCS %R above CL; FD RPD above CL
RB-E-007-65-220901-00-01	PCBs	Aroclor 1254	1490 µg/kg	1490J µg/kg	Surrogate %R above CL
		Aroclor 1260	3760 µg/kg	3760J µg/kg	
RB-E-009-20-220902-00-01	PCBs	Aroclor 1254	126000 µg/kg	126000J µg/kg	Surrogate %R above CL
		Aroclor 1260	110000 µg/kg	110000J µg/kg	
RB-E-010-21-220902-00-01	PCBs	Aroclor 1260	168 µg/kg	168J µg/kg	Surrogate %R above CL
RB-E-010-61-220902-00-01	PCBs	Aroclor 1254	4070 µg/kg	4070J µg/kg	Surrogate %R above CL
		Aroclor 1260	15800 µg/kg	15800J µg/kg	
RB-E-010-72-220902-00-01	PCBs	Aroclor 1254	5770 µg/kg	5770J µg/kg	Surrogate %R above CL
		Aroclor 1260	13800 µg/kg	13800J µg/kg	
RB-E-015-26-220907-00-01	PCBs	Aroclor 1260	5970 µg/kg	5970J µg/kg	FD RPD above CL
RB-E-015-26-BD0001	PCBs	Aroclor 1260	2880 µg/kg	2880J µg/kg	FD RPD above CL
RB-W-000-09-220830-00-01	PCBs	Aroclor 1254	2670 µg/kg	2670J µg/kg	LCS %R above CL
		Aroclor 1260	7520 µg/kg	7520J µg/kg	
		Total PCBs	10200 µg/kg	10200J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-000-30-220830-00-01	PCBs	Aroclor 1254	3730 µg/kg	3730J µg/kg	LCS %R above CL
		Aroclor 1260	12400 µg/kg	12400J µg/kg	
		Total PCBs	16200 µg/kg	16200J µg/kg	
RB-W-000-50-220830-00-01	PCBs	Aroclor 1260	86500 µg/kg	86500J µg/kg	LCS %R above CL
		Total PCBs	103000 µg/kg	103000J µg/kg	
		Aroclor 1254	16200 µg/kg	16200J µg/kg	LCS %R, Column confirmation RPD above CL
RB-W-000-68-220830-00-01	PCBs	Aroclor 1254	2080 µg/kg	2080J µg/kg	LCS %R above CL
		Aroclor 1260	6590 µg/kg	6590J µg/kg	
		Total PCBs	8680 µg/kg	8680J µg/kg	
RB-W-001-06-220830-00-01	PCBs	Aroclor 1254	5400 µg/kg	5400J µg/kg	LCS %R above CL
		Aroclor 1260	18500 µg/kg	18500J µg/kg	
		Total PCBs	23900 µg/kg	23900J µg/kg	
RB-W-001-33-220830-00-01	PCBs	Aroclor 1254	599 µg/kg	599J µg/kg	LCS %R above CL
		Aroclor 1260	1740 µg/kg	1740J µg/kg	
		Total PCBs	2340 µg/kg	2340J µg/kg	
RB-W-001-55-220830-00-01	PCBs	Aroclor 1254	589 µg/kg	589J µg/kg	LCS %R above CL
		Aroclor 1260	2080 µg/kg	2080J µg/kg	
		Total PCBs	2670 µg/kg	2670J µg/kg	
RB-W-003-56-220831-00-01	PCBs	Aroclor 1254	3640 µg/kg	3640J µg/kg	FD RPD above CL
		Aroclor 1260	7420 µg/kg	7420J µg/kg	
RB-W-003-56-BD0001	PCBs	Aroclor 1254	328 µg/kg	328J µg/kg	FD RPD above CL
		Aroclor 1260	1020 µg/kg	1020J µg/kg	
RB-W-004-33-220902-00-01	PCBs	Aroclor 1254	3590 µg/kg	3590J µg/kg	Surrogate %R above CL
RB-W-004-43-220902-00-01	PCBs	Aroclor 1254	6680 µg/kg	6680J µg/kg	Surrogate %R below CL
		Aroclor 1260	17700 µg/kg	17700J µg/kg	
RB-W-004-63-220902-00-01	PCBs	Aroclor 1254	8630 µg/kg	8630J µg/kg	
		Aroclor 1260	22600 µg/kg	22600J µg/kg	
RB-W-005-100-220902-00-01	PCBs	Aroclor 1254	9150 µg/kg	9150J µg/kg	Surrogate %R above CL
		Aroclor 1260	19300 µg/kg	19300J µg/kg	
RB-W-005-32-220901-00-01	PCBs	Aroclor 1254	8190 µg/kg	8190J µg/kg	Surrogate %R above CL
RB-W-005-32-220901-00-01	PCBs	Aroclor 1260	8000 µg/kg	8000J µg/kg	Surrogate %R above CL
RB-W-006-58-220901-00-01	PCBs	Aroclor 1254	20100 µg/kg	20100J µg/kg	Surrogate %R above CL
		Aroclor 1260	25700 µg/kg	25700J µg/kg	
RB-W-007-07-220901-00-01	PCBs	Aroclor 1254	5340 µg/kg	5340J µg/kg	Surrogate %R above CL
		Aroclor 1260	11300 µg/kg	11300J µg/kg	
SE-000-00-C-220830-0.5-01	Conventionals	TOC	40100 mg/kg	40100J mg/kg	MS and/or MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-000-00-C-220830-00-0.5	Conventionals	TOC	11400 mg/kg	11400J mg/kg	MS and/or MSD %R below CL
SE-000-00-C-220830-01-1.15	Conventionals	TOC	21700 mg/kg	21700J mg/kg	MS and/or MSD %R below CL
	PCBs	Aroclor 1254	1510 µg/kg	1510J µg/kg	Surrogate %R above CL
		Aroclor 1260	2300 µg/kg	2300J µg/kg	
		Total PCBs	3820 µg/kg	3820J µg/kg	
SE-000-00-E-220830-0.5-01	Conventionals	TOC	12700 mg/kg	12700J mg/kg	MS and/or MSD %R below CL
	PCBs	Aroclor 1254	3480 µg/kg	3480J µg/kg	Surrogate %R above CL
		Aroclor 1260	3290 µg/kg	3290J µg/kg	
		Total PCBs	6770 µg/kg	6770J µg/kg	
SE-000-00-E-220830-00-0.5	Conventionals	TOC	3560 mg/kg	3560J mg/kg	MS and/or MSD %R below CL
	PCBs	Aroclor 1254	1350 µg/kg	1350J µg/kg	Surrogate %R above CL
		Aroclor 1260	4580 µg/kg	4580J µg/kg	
		Total PCBs	5940 µg/kg	5940J µg/kg	
SE-000-00-E-220830-01-1.5	Conventionals	TOC	28100 mg/kg	28100J mg/kg	MS and/or MSD %R below CL
	PCBs	Aroclor 1254	4660 µg/kg	4660J µg/kg	Surrogate %R above CL
		Aroclor 1260	5020 µg/kg	5020J µg/kg	
		Total PCBs	9680 µg/kg	9680J µg/kg	
SE-000-00-E-220830-1.5-1.64	Conventionals	TOC	10800 mg/kg	10800J mg/kg	MS and/or MSD %R below CL
	PCBs	Aroclor 1254	1270 µg/kg	1270J µg/kg	Surrogate %R above CL
		Aroclor 1260	1580 µg/kg	1580J µg/kg	
		Total PCBs	2850 µg/kg	2850J µg/kg	
SE-000-00-W-220830-0.5-01	Conventionals	TOC	7170 mg/kg	7170J mg/kg	MS and/or MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1260	3880 µg/kg	3880J µg/kg	FD RPD above CL
SE-000-00-W-220830-00-0.5	Conventionals	TOC	18800 mg/kg	18800J mg/kg	MS and/or MSD %R below CL
SE-000-00-W-220830-01-1.15	Conventionals	TOC	13000 mg/kg	13000J mg/kg	MS and/or MSD %R below CL
	PCBs	Aroclor 1254	3160 µg/kg	3160J µg/kg	Surrogate %R above CL
		Aroclor 1260	4260 µg/kg	4260J µg/kg	
		Total PCBs	7420 µg/kg	7420J µg/kg	
SE-000-00-W-BD0001	Conventionals	TOC	11800 mg/kg	11800J mg/kg	MS/MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1254	2180 µg/kg	2180J µg/kg	LCS %R above CL
		Total PCBs	4850 µg/kg	4850J µg/kg	
		Aroclor 1260	2670 µg/kg	2670J µg/kg	LCS %R above CL; FD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-002-42-C-220830-0.5-01	Conventionals	TOC	2660 mg/kg	2660J mg/kg	MS and/or MSD %R below CL
SE-002-42-C-220830-00-0.5	Conventionals	TOC	15400 mg/kg	15400J mg/kg	MS and/or MSD %R below CL
SE-002-42-C-220830-01-1.5	Conventionals	TOC	2410 mg/kg	2410J mg/kg	MS and/or MSD %R below CL
SE-002-42-C-220830-1.5-1.85	Conventionals	TOC	4480 mg/kg	4480J mg/kg	MS and/or MSD %R below CL
SE-002-42-E-220830-0.5-01	Conventionals	TOC	7570 mg/kg	7570J mg/kg	MS and/or MSD %R below CL
SE-002-42-E-220830-00-0.5	Conventionals	TOC	17900 mg/kg	17900J mg/kg	MS and/or MSD %R below CL
SE-002-42-E-220830-01-1.5	Conventionals	TOC	16800 mg/kg	16800J mg/kg	MS and/or MSD %R below CL
SE-002-42-E-220830-1.5-1.9	Conventionals	TOC	4930 mg/kg	4930J mg/kg	MS and/or MSD %R below CL
SE-002-42-W-220830-0.5-01	Conventionals	TOC	6640 mg/kg	6640J mg/kg	MS and/or MSD %R below CL
SE-002-42-W-220830-00-0.5	Conventionals	TOC	13700 mg/kg	13700J mg/kg	MS and/or MSD %R below CL
SE-002-42-W-220830-01-1.5	Conventionals	TOC	26500 mg/kg	26500J mg/kg	MS and/or MSD %R below CL
SE-002-42-W-220830-1.5-1.94	Conventionals	TOC	16700 mg/kg	16700J mg/kg	MS and/or MSD %R below CL
SE-005-13-C-220830-0.5-01	Conventionals	TOC	20600 mg/kg	20600J mg/kg	MS and/or MSD %R below CL
SE-005-13-C-220830-00-0.5	Conventionals	TOC	5070 mg/kg	5070J mg/kg	MS and/or MSD %R below CL
SE-005-13-C-220830-01-1.5	Conventionals	TOC	2000 mg/kg	2000J mg/kg	MS and/or MSD %R below CL
SE-005-13-C-220830-1.5-1.72	Conventionals	TOC	1110 mg/kg	1110J mg/kg	MS and/or MSD %R below CL
SE-005-13-E-220830-0.5-01	Conventionals	TOC	5170 mg/kg	5170J mg/kg	MS and/or MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1260	169 µg/kg	169J µg/kg	FD difference above CL
		Total PCBs	284 µg/kg	284J µg/kg	
SE-005-13-E-220830-00-0.5	Conventionals	TOC	2420 mg/kg	2420J mg/kg	MS and/or MSD %R below CL
SE-005-13-E-220830-01-1.5	Conventionals	TOC	4660 mg/kg	4660J mg/kg	MS and/or MSD %R below CL
SE-005-13-E-220830-1.5-1.62	Conventionals	TOC	2630 mg/kg	2630J mg/kg	MS and/or MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-005-13-E-BD0001	Conventionals	TOC	3200 mg/kg	3200J mg/kg	MS and/or MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1260	72 µg/kg	72J µg/kg	FD difference above CL
		Total PCBs	138 µg/kg	138J µg/kg	
SE-005-13-W-220830-0.5-01	Conventionals	TOC	2780 mg/kg	2780J mg/kg	MS and/or MSD %R below CL
SE-005-13-W-220830-00-0.5	Conventionals	TOC	875 mg/kg	875J mg/kg	MS and/or MSD %R below CL
SE-005-13-W-220830-01-1.5	Conventionals	TOC	1550 mg/kg	1550J mg/kg	MS and/or MSD %R below CL
SE-005-13-W-220830-1.5-1.72	Conventionals	TOC	1090 mg/kg	1090J mg/kg	MS and/or MSD %R below CL
SE-007-71-E-220831-0.5-0.75	Conventionals	TOC	3290 mg/kg	3290J mg/kg	MS/MSD %R below CL
SE-007-71-E-220831-00-0.5	Conventionals	TOC	5770 mg/kg	5770J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	62 µg/kg	62J µg/kg	MS/MSD %R above CL
		Aroclor 1260	169 µg/kg	169J µg/kg	
		Total PCBs	231 µg/kg	231J µg/kg	
SE-007-71-W-220831-0.5-01	Conventionals	TOC	5190 mg/kg	5190J mg/kg	MS/MSD %R below CL
SE-007-71-W-220831-00-0.5	Conventionals	TOC	2530 mg/kg	2530J mg/kg	MS/MSD %R below CL
SE-007-71-W-220831-01-1.25	Conventionals	TOC	801 mg/kg	801J mg/kg	MS/MSD %R below CL
SE-010-20-C-220831-0.5-01	Conventionals	TOC	1800 mg/kg	1800J mg/kg	MS/MSD %R below CL
SE-010-20-C-220831-00-0.5	Conventionals	TOC	1480 mg/kg	1480J mg/kg	MS/MSD %R below CL
SE-010-20-C-220831-01-1.5	Conventionals	TOC	2250 mg/kg	2250J mg/kg	MS/MSD %R below CL
SE-010-20-C-220831-1.5-1.76	Conventionals	TOC	1520 mg/kg	1520J mg/kg	MS/MSD %R below CL
SE-010-20-E-220831-0.5-01	Conventionals	TOC	11600 mg/kg	11600J mg/kg	MS/MSD %R below CL
SE-010-20-E-220831-00-0.5	Conventionals	TOC	15300 mg/kg	15300J mg/kg	MS/MSD %R below CL
SE-010-20-E-220831-01-1.5	Conventionals	TOC	1510 mg/kg	1510J mg/kg	MS/MSD %R below CL
SE-010-20-E-220831-1.5-1.8	Conventionals	TOC	17400 mg/kg	17400J mg/kg	MS/MSD %R below CL
SE-010-20-W-220831-0.5-01	Conventionals	TOC	2630 mg/kg	2630J mg/kg	MS/MSD %R below CL
SE-010-20-W-220831-00-0.5	Conventionals	TOC	1510 mg/kg	1510J mg/kg	MS/MSD %R below CL
SE-010-20-W-220831-01-1.5	Conventionals	TOC	15000 mg/kg	15000J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-010-20-W-220831-1.5-1.66	Conventionals	TOC	1700 mg/kg	1700J mg/kg	MS/MSD %R below CL
SE-022-98-C-220907-0.5-01	Conventionals	TOC	17400 mg/kg	17400J mg/kg	MS/MSD %R below CL
SE-022-98-C-220907-00-0.5	Conventionals	TOC	3180 mg/kg	3180J mg/kg	MS/MSD %R below CL
SE-022-98-C-220907-01-1.5	Conventionals	TOC	3290 mg/kg	3290J mg/kg	MS/MSD %R below CL
SE-022-98-C-220907-02-2.5	Conventionals	TOC	4580 mg/kg	4580J mg/kg	MS/MSD %R below CL
SE-022-98-C-220907-1.5-02	Conventionals	TOC	5120 mg/kg	5120J mg/kg	MS/MSD %R below CL
SE-022-98-C-220907-2.5-03	Conventionals	TOC	1650 mg/kg	1650J mg/kg	MS/MSD %R below CL
SE-022-98-E-220907-0.5-01	Conventionals	TOC	112000 mg/kg	112000J mg/kg	MS/MSD %R below CL
SE-022-98-E-220907-00-0.5	Conventionals	TOC	2200 mg/kg	2200J mg/kg	MS/MSD %R below CL
SE-022-98-E-220907-01-1.5	Conventionals	TOC	9380 mg/kg	9380J mg/kg	MS/MSD %R below CL
SE-022-98-E-220907-1.5-1.72	Conventionals	TOC	24000 mg/kg	24000J mg/kg	MS/MSD %R below CL
SE-022-98-W-220907-00-0.5	Conventionals	TOC	1700 mg/kg	1700J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-022-98-W-220907-01-1.5	Conventionals	TOC	687 mg/kg	687J mg/kg	MS/MSD %R below CL
SE-022-98-W-220907-02-2.2	Conventionals	TOC	1110 mg/kg	1110J mg/kg	MS/MSD %R below CL
SE-022-98-W-220907-1.5-02	Conventionals	TOC	730 mg/kg	730J mg/kg	MS/MSD %R below CL
SE-022-98-W-BD0001	Conventionals	TOC	2140 mg/kg	2140J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-E-OWB1-01-220906-0.5-01	Conventionals	TOC	4080 mg/kg	4080J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-01-220906-00-0.5	Conventionals	TOC	8240 mg/kg	8240J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-01-220906-01-1.42	Conventionals	TOC	6310 mg/kg	6310J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-02-220906-0.5-01	Conventionals	TOC	9300 mg/kg	9300J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-02-220906-00-0.5	Conventionals	TOC	14900 mg/kg	14900J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-02-220906-01-1.5	Conventionals	TOC	24000 mg/kg	24000J mg/kg	MS and/or MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1260	3760 µg/kg	3760J µg/kg	FD RPD above CL
SE-E-OWB1-02-220906-1.5-1.66	Conventionals	TOC	12700 mg/kg	12700J mg/kg	MS and/or MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-E-OWB1-02-BD0001	Conventionals	TOC	14600 mg/kg	14600J mg/kg	MS and/or MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1260	2480 µg/kg	2480J µg/kg	FD RPD above CL
SE-E-OWB1-03-220906-0.5-01	Conventionals	TOC	8210 mg/kg	8210J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-03-220906-00-0.5	Conventionals	TOC	13800 mg/kg	13800J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-03-220906-01-1.5	Conventionals	TOC	4300 mg/kg	4300J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-03-220906-1.5-1.79	Conventionals	TOC	14100 mg/kg	14100J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-04-220906-0.5-01	Conventionals	TOC	5610 mg/kg	5610J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-04-220906-00-0.5	Conventionals	TOC	17100 mg/kg	17100J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-04-220906-01-1.5	Conventionals	TOC	7390 mg/kg	7390J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-04-220906-1.5-1.79	Conventionals	TOC	11800 mg/kg	11800J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-05-220906-0.5-01	Conventionals	TOC	22100 mg/kg	22100J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-05-220906-00-0.5	Conventionals	TOC	14300 mg/kg	14300J mg/kg	MS and/or MSD %R below CL
	PCBs	Aroclor 1254	1640 µg/kg	1640J µg/kg	Surrogate %R above CL
		Aroclor 1260	7400 µg/kg	7400J µg/kg	
SE-E-OWB1-05-220906-01-1.5	Conventionals	TOC	25700 mg/kg	25700J mg/kg	MS and/or MSD %R below CL
SE-E-OWB1-07-220907-0.5-01	Conventionals	TOC	147000 mg/kg	147000J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	2560 µg/kg	2560J µg/kg	Column confirmation RPD above CL
SE-E-OWB1-07-220907-00-0.5	Conventionals	TOC	38400 mg/kg	38400J mg/kg	MS/MSD %R below CL
SE-E-OWB1-07-220907-01-1.5	Conventionals	TOC	26300 mg/kg	26300J mg/kg	MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1254	1500 µg/kg	1500J µg/kg	Surrogate %R above CL
		Aroclor 1260	2590 µg/kg	2590J µg/kg	
SE-E-OWB1-07-220907-1.5-1.73	Conventionals	TOC	65100 mg/kg	65100J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	3660 µg/kg	3660J µg/kg	Surrogate %R above CL
		Aroclor 1260	2150 µg/kg	2150J µg/kg	
SE-E-OWB1-07-BD0001	Conventionals	TOC	94100 mg/kg	94100J mg/kg	MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1254	1960 µg/kg	1960J µg/kg	Surrogate %R above CL
		Aroclor 1260	3460 µg/kg	3460J µg/kg	
SE-E-OWB1-08-220907-0.5-01	Conventionals	TOC	34800 mg/kg	34800J mg/kg	MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-E-OWB1-08-220907-00-0.5	Conventionals	TOC	34800 mg/kg	34800J mg/kg	MSD %R below CL
SE-E-OWB1-08-220907-01-1.5	Conventionals	TOC	24400 mg/kg	24400J mg/kg	MSD %R below CL
SE-E-OWB1-08-220907-1.5-1.9	Conventionals	TOC	15000 mg/kg	15000J mg/kg	MSD %R below CL
SE-E-OWB1-09-220907-0.5-01	Conventionals	TOC	16800 mg/kg	16800J mg/kg	MSD %R below CL
SE-E-OWB1-09-220907-00-0.5	Conventionals	TOC	35000 mg/kg	35000J mg/kg	MSD %R below CL
SE-E-OWB1-09-220907-01-1.5	Conventionals	TOC	23800 mg/kg	23800J mg/kg	MSD %R below CL
SE-E-OWB1-09-220907-1.5-1.69	Conventionals	TOC	12200 mg/kg	12200J mg/kg	MSD %R below CL
SE-E-OWB1-10-220907-0.5-01	Conventionals	TOC	30500 mg/kg	30500J mg/kg	MSD %R below CL
SE-E-OWB1-10-220907-00-0.5	Conventionals	TOC	22100 mg/kg	22100J mg/kg	MSD %R below CL
SE-E-OWB1-10-220907-01-1.5	Conventionals	TOC	15200 mg/kg	15200J mg/kg	MSD %R below CL
SE-E-OWB1-10-220907-1.5-02	Conventionals	TOC	23800 mg/kg	23800J mg/kg	MSD %R below CL

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-000-00-220830-00-01	JD51068-1	JD51068	Soil	PCBs, TS
RB-E-000-25-220830-00-01	JD51068-2	JD51068	Soil	PCBs, TS
RB-E-000-49-220830-00-01	JD51068-3	JD51068	Soil	PCBs, TS
RB-E-000-72-220830-00-01	JD51068-4	JD51068	Soil	PCBs, TS
RB-E-000-89-220830-00-01	JD51068-5	JD51068	Soil	PCBs, TS
RB-E-001-00-220830-00-01	JD51068-6	JD51068	Soil	PCBs, TS
RB-E-001-24-220830-00-01	JD51068-7	JD51068	Soil	PCBs, TS
RB-E-001-77-220830-00-01	JD51068-8	JD51068	Soil	PCBs, TS
RB-E-001-77-BD0001	JD51068-9	JD51068	Soil	PCBs, TS
RB-W-000-09-220830-00-01	JD51068-10	JD51068	Soil	PCBs, TS
RB-W-000-30-220830-00-01	JD51068-11	JD51068	Soil	PCBs, TS
RB-W-000-50-220830-00-01	JD51068-12	JD51068	Soil	PCBs, TS
RB-W-000-68-220830-00-01	JD51068-13	JD51068	Soil	PCBs, TS
RB-W-001-06-220830-00-01	JD51068-14	JD51068	Soil	PCBs, TS
RB-W-001-33-220830-00-01	JD51068-15	JD51068	Soil	PCBs, TS
RB-W-001-55-220830-00-01	JD51068-16	JD51068	Soil	PCBs, TS
RB-E-004-51-220831-00-01	JD51069-1	JD51069	Soil	PCBs, TS
RB-E-004-92-220831-00-01	JD51069-2	JD51069	Soil	PCBs, TS
RB-E-005-13-220831-00-01	JD51069-3	JD51069	Soil	PCBs, TS
RB-E-005-38-220831-00-01	JD51069-4	JD51069	Soil	PCBs, TS
RB-E-005-62-220831-00-01	JD51069-5	JD51069	Soil	PCBs, TS
RB-2208311410	JD51069-6	JD51069	Water	PCBs
RB-E-005-91-220831-00-01	JD51069-7	JD51069	Soil	PCBs, TS
RB-W-001-74-220831-00-01	JD51069-8	JD51069	Soil	PCBs, TS
RB-W-002-10-220831-00-01	JD51069-9	JD51069	Soil	PCBs, TOC, GS, TS, MC
RB-W-002-36-220831-00-01	JD51069-10	JD51069	Soil	PCBs, TS
RB-W-002-60-220831-00-01	JD51069-11	JD51069	Soil	PCBs, TS
RB-W-002-86-220831-00-01	JD51069-12	JD51069	Soil	PCBs, TS
RB-W-003-01-220831-00-01	JD51069-13	JD51069	Soil	PCBs, TS
RB-W-003-22-220831-00-01	JD51069-14	JD51069	Soil	PCBs, TS
RB-W-003-27-220831-00-01	JD51069-15	JD51069	Soil	PCBs, TS
RB-W-003-46-220831-00-01	JD51069-16	JD51069	Soil	PCBs, TS
RB-W-003-56-220831-00-01	JD51069-17	JD51069	Soil	PCBs, TS
RB-W-003-56-BD0001	JD51069-18	JD51069	Soil	PCBs, TS
RB-W-003-77-220831-00-01	JD51069-19	JD51069	Soil	PCBs, TS
RB-2208311420	JD51070-1	JD51070	Water	PCBs
SE-007-71-E-220831-0.5-0.75	JD51070-2	JD51070	Sediment	PCBs, TS, TOC
SE-007-71-E-220831-00-0.5	JD51070-3	JD51070	Sediment	PCBs, TS, TOC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-007-71-W-220831-0.5-01	JD51070-4	JD51070	Sediment	PCBs, TS, TOC
SE-007-71-W-220831-00-0.5	JD51070-5	JD51070	Sediment	PCBs, TS, TOC
SE-007-71-W-220831-01-1.25	JD51070-6	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-C-220831-0.5-01	JD51070-7	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-C-220831-00-0.5	JD51070-8	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-C-220831-01-1.5	JD51070-9	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-C-220831-1.5-1.76	JD51070-10	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-E-220831-0.5-01	JD51070-11	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-E-220831-00-0.5	JD51070-12	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-E-220831-01-1.5	JD51070-13	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-E-220831-1.5-1.8	JD51070-14	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-W-220831-0.5-01	JD51070-15	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-W-220831-00-0.5	JD51070-16	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-W-220831-01-1.5	JD51070-17	JD51070	Sediment	PCBs, TS, TOC
SE-010-20-W-220831-1.5-1.66	JD51070-18	JD51070	Sediment	PCBs, TS, TOC
SE-000-00-C-220830-0.5-01	JD51081-1	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-C-220830-00-0.5	JD51081-2	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-C-220830-01-1.15	JD51081-3	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-E-220830-0.5-01	JD51081-4	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-E-220830-00-0.5	JD51081-5	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-E-220830-01-1.5	JD51081-6	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-E-220830-1.5-1.64	JD51081-7	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-W-220830-0.5-01	JD51081-8	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-W-220830-00-0.5	JD51081-9	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-W-220830-01-1.15	JD51081-10	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-C-220830-0.5-01	JD51081-11	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-C-220830-00-0.5	JD51081-12	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-C-220830-01-1.5	JD51081-13	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-C-220830-1.5-1.85	JD51081-14	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-E-220830-0.5-01	JD51081-15	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-E-220830-00-0.5	JD51081-16	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-E-220830-01-1.5	JD51081-17	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-E-220830-1.5-1.9	JD51081-18	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-W-220830-0.5-01	JD51081-19	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-W-220830-00-0.5	JD51081-20	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-W-220830-01-1.5	JD51081-21	JD51081	Sediment	PCBs, TS, TOC
SE-002-42-W-220830-1.5-1.94	JD51081-22	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-C-220830-0.5-01	JD51081-23	JD51081	Sediment	PCBs, TS, TOC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-005-13-C-220830-00-0.5	JD51081-24	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-C-220830-01-1.5	JD51081-25	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-C-220830-1.5-1.72	JD51081-26	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-E-220830-0.5-01	JD51081-27	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-E-220830-00-0.5	JD51081-28	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-E-220830-01-1.5	JD51081-29	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-E-220830-1.5-1.62	JD51081-30	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-E-BD0001	JD51081-31	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-W-220830-0.5-01	JD51081-32	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-W-220830-00-0.5	JD51081-33	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-W-220830-01-1.5	JD51081-34	JD51081	Sediment	PCBs, TS, TOC
SE-005-13-W-220830-1.5-1.72	JD51081-35	JD51081	Sediment	PCBs, TS, TOC
SE-000-00-W-BD0001	JD51083-1	JD51083	Sediment	PCBs, TS, TOC
RB-2209011516	JD51185-3	JD51185	Water	PCBs
RB-E-006-28-220901-00-01	JD51185-1	JD51185	Soil	PCBs, TS
RB-E-006-50-220901-00-01	JD51185-2	JD51185	Soil	PCBs, TS
RB-E-006-77-220901-00-01	JD51185-4	JD51185	Soil	PCBs, TS
RB-E-007-05-220901-00-01	JD51185-5	JD51185	Soil	PCBs, TS
RB-E-007-28-220901-00-01	JD51185-6	JD51185	Soil	PCBs, TS
RB-E-007-45-220901-00-01	JD51185-7	JD51185	Soil	PCBs, TS
RB-E-007-58-220901-00-01	JD51185-8	JD51185	Soil	PCBs, TS
RB-E-007-65-220901-00-01	JD51185-9	JD51185	Soil	PCBs, TS
RB-E-007-65-BD0001	JD51185-10	JD51185	Soil	PCBs, TS
RB-E-007-73-220901-00-01	JD51185-11	JD51185	Soil	PCBs, TS
RB-E-007-82-220901-00-01	JD51185-12	JD51185	Soil	PCBs, TOC, GS, TS, MC
RB-E-008-33-220901-00-01	JD51185-13	JD51185	Soil	PCBs, TS
RB-E-008-54-220901-00-01	JD51185-14	JD51185	Soil	PCBs, TS
RB-W-005-32-220901-00-01	JD51185-15	JD51185	Soil	PCBs, TS
RB-W-005-58-220901-00-01	JD51185-16	JD51185	Soil	PCBs, TS
RB-W-005-76-220901-00-01	JD51185-17	JD51185	Soil	PCBs, TS
RB-W-006-14-220901-00-01	JD51185-18	JD51185	Soil	PCBs, TS
RB-W-006-35-220901-00-01	JD51185-19	JD51185	Soil	PCBs, TS
RB-W-006-58-220901-00-01	JD51185-20	JD51185	Soil	PCBs, TS
RB-W-007-07-220901-00-01	JD51185-21	JD51185	Soil	PCBs, TS
RB-W-008-13-220901-00-01	JD51185-22	JD51185	Soil	PCBs, TS
RB-W-008-32-220901-00-01	JD51185-23	JD51185	Soil	PCBs, TS
RB-W-008-61-220901-00-01	JD51185-24	JD51185	Soil	PCBs, TS
RB-2209021449	JD51186-20	JD51186	Water	PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-008-74-220902-00-01	JD51186-1	JD51186	Soil	PCBs, TS
RB-E-009-20-220902-00-01	JD51186-2	JD51186	Soil	PCBs, TS
RB-E-009-57-220902-00-01	JD51186-3	JD51186	Soil	PCBs, TS
RB-E-009-82-220902-00-01	JD51186-4	JD51186	Soil	PCBs, TS
RB-E-010-05-220902-00-01	JD51186-5	JD51186	Soil	PCBs, TS
RB-E-010-21-220902-00-01	JD51186-6	JD51186	Soil	PCBs, TS
RB-E-010-41-220902-00-01	JD51186-7	JD51186	Soil	PCBs, TS
RB-E-010-61-220902-00-01	JD51186-8	JD51186	Soil	PCBs, TS
RB-E-010-72-220902-00-01	JD51186-9	JD51186	Soil	PCBs, TS
RB-E-010-94-220902-00-01	JD51186-10	JD51186	Soil	PCBs, TS
RB-E-011-16-220902-00-01	JD51186-11	JD51186	Soil	PCBs, TS
RB-E-011-60-220902-00-01	JD51186-12	JD51186	Soil	PCBs, TS
RB-W-004-33-220902-00-01	JD51186-13	JD51186	Soil	PCBs, TS
RB-W-004-43-220902-00-01	JD51186-14	JD51186	Soil	PCBs, TS
RB-W-004-63-220902-00-01	JD51186-15	JD51186	Soil	PCBs, TS
RB-W-004-83-220902-00-01	JD51186-16	JD51186	Soil	PCBs, TS
RB-W-005-100-220902-00-01	JD51186-17	JD51186	Soil	PCBs, TS
RB-W-008-83-220902-00-01	JD51186-18A	JD51186	Soil	PCBs, TOC, GS, TS, MC
RB-W-008-83-BD0001	JD51186-19	JD51186	Soil	PCBs, TS
RB-W-009-18-220902-00-01	JD51186-21	JD51186	Soil	PCBs, TS
RB-W-009-54-220902-00-01	JD51186-22	JD51186	Soil	PCBs, TS
RB-W-009-81-220902-00-01	JD51186-23	JD51186	Soil	PCBs, TS
RB-W-010-09-220902-00-01	JD51186-24	JD51186	Soil	PCBs, TS
RB-W-010-38-220902-00-01	JD51186-25	JD51186	Soil	PCBs, TS
RB-W-010-86-220902-00-01	JD51186-26	JD51186	Soil	PCBs, TS
RB-W-011-08-220902-00-01	JD51186-27	JD51186	Soil	PCBs, TS
RB-W-011-40-220902-00-01	JD51186-28	JD51186	Soil	PCBs, TS
RB-W-011-62-220902-00-01	JD51186-29	JD51186	Soil	PCBs, TS
RB-W-011-77-220902-00-01	JD51186-30	JD51186	Soil	PCBs, TS
RB-W-011-98-220902-00-01	JD51186-31	JD51186	Soil	PCBs, TS
RB-W-012-13-220902-00-01	JD51186-32	JD51186	Soil	PCBs, TS
RB-W-012-53-220902-00-01	JD51186-33	JD51186	Soil	PCBs, TS
RB-W-012-59-220902-00-01	JD51186-34	JD51186	Soil	PCBs, TS
RB-2209071500	JD51431-18	JD51431	Water	PCBs, TOC
RB-2209071631	JD51431-11	JD51431	Water	PCBs, TOC
SE-022-98-C-220907-0.5-01	JD51431-1	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-C-220907-00-0.5	JD51431-2	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-C-220907-01-1.5	JD51431-3	JD51431	Sediment	PCBs, TS, TOC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-022-98-C-220907-02-2.5	JD51431-4	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-C-220907-1.5-02	JD51431-5	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-C-220907-2.5-03	JD51431-6	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-E-220907-0.5-01	JD51431-7	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-E-220907-00-0.5	JD51431-8	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-E-220907-01-1.5	JD51431-9	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-E-220907-1.5-1.72	JD51431-10	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-W-220907-0.5-01	JD51431-12	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-W-220907-00-0.5	JD51431-13	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-W-220907-01-1.5	JD51431-14	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-W-220907-02-2.2	JD51431-15	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-W-220907-1.5-02	JD51431-16	JD51431	Sediment	PCBs, TS, TOC
SE-022-98-W-BD0001	JD51431-17	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-07-220907-0.5-01	JD51431-19	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-07-220907-00-0.5	JD51431-20	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-07-220907-01-1.5	JD51431-21	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-07-220907-1.5-1.73	JD51431-22	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-07-BD0001	JD51431-23	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-08-220907-0.5-01	JD51431-24	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-08-220907-00-0.5	JD51431-25	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-08-220907-01-1.5	JD51431-26	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-08-220907-1.5-1.9	JD51431-27	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-09-220907-0.5-01	JD51431-28	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-09-220907-00-0.5	JD51431-29	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-09-220907-01-1.5	JD51431-30	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-09-220907-1.5-1.69	JD51431-31	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-10-220907-0.5-01	JD51431-32	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-10-220907-00-0.5	JD51431-33	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-10-220907-01-1.5	JD51431-34	JD51431	Sediment	PCBs, TS, TOC
SE-E-OWB1-10-220907-1.5-02	JD51431-35	JD51431	Sediment	PCBs, TS, TOC
RB-2209071045	JD51434-8	JD51434	Water	PCBs
RB-E-012-83-220907-00-01	JD51434-1	JD51434	Soil	PCBs, TS
RB-E-013-09-220907-00-01	JD51434-2	JD51434	Soil	PCBs, TS
RB-E-013-64-220907-00-01	JD51434-3	JD51434	Soil	PCBs, TS
RB-E-014-11-220907-00-01	JD51434-4	JD51434	Soil	PCBs, TS
RB-E-014-42-220907-00-01	JD51434-5	JD51434	Soil	PCBs, TS
RB-E-014-69-220907-00-01	JD51434-6	JD51434	Soil	PCBs, TS
RB-E-014-88-220907-00-01	JD51434-7	JD51434	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-015-16-220907-00-01	JD51434-9	JD51434	Soil	PCBs, TS, GS
RB-E-015-26-220907-00-01	JD51434-10	JD51434	Soil	PCBs, TS
RB-E-015-26-BD0001	JD51434-11	JD51434	Soil	PCBs, TS
RB-2209061252	JD51436-9	JD51436	Water	PCBs
SE-E-OWB1-01-220906-0.5-01	JD51436-1	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-01-220906-00-0.5	JD51436-2	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-01-220906-01-1.42	JD51436-3	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-02-220906-0.5-01	JD51436-4	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-02-220906-00-0.5	JD51436-5	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-02-220906-01-1.5	JD51436-6	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-02-220906-1.5-1.66	JD51436-7	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-02-BD0001	JD51436-8	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-03-220906-0.5-01	JD51436-10	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-03-220906-00-0.5	JD51436-11	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-03-220906-01-1.5	JD51436-12	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-03-220906-1.5-1.79	JD51436-13	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-04-220906-0.5-01	JD51436-14	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-04-220906-00-0.5	JD51436-15	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-04-220906-01-1.5	JD51436-16	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-04-220906-1.5-1.79	JD51436-17	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-05-220906-0.5-01	JD51436-18	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-05-220906-00-0.5	JD51436-19	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-05-220906-01-1.5	JD51436-20	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-05-220906-1.5-1.63	JD51436-21	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-06-220906-0.5-01	JD51436-22	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-06-220906-00-0.5	JD51436-23	JD51436	Sediment	PCBs, TS, TOC
SE-E-OWB1-06-220906-01-1.5	JD51436-24	JD51436	Sediment	PCBs, TS, TOC

Data Validation Report – EPA Stage 2A

April 17, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0034

This report summarizes the review of analytical results for 97 soil samples, 135 sediment samples, 12 field duplicate samples, and 11 equipment rinsate blanks collected in September 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Ten SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Eleven equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and six were analyzed for TOC. All results were below detection.

Field Duplicates

Twelve field duplicates were collected in association with these sample sets. Detected results in the remaining are summarized in Table 1. Results that were less than two times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD values were assessed by the 50% RPD listed in the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-017-96-E- 220902-01-1.5	SE-017-96-E- BD0001	RPD	Difference	Difference CL
TOC	19300 mg/kg	13300 mg/kg	37%	--	--
Total solids	61.7%	58.1%	6%	--	--

Analyte	SE-012-76-C-220901-0.5-01	SE-012-76-C-BD0001	RPD	Difference	Difference CL
TOC	14900 mg/kg	864 mg/kg	178%	--	--
Total solids	73.4%	76%	3%	--	--

Analyte	RB-W-027-10-220912-00-01	RB-W-027-10-BD0001	RPD	Difference	Difference CL
Total solids	69%	70.7%	2%	--	--
Aroclor 1254	642 µg/kg	891 mg/kg	32%	--	--
Aroclor 1260	2430 µg/kg	3420 mg/kg	34%	--	--

Analyte	RB-E-017-70-220908-00-01	RB-E-017-70-BD0001	RPD	Difference	Difference CL
Total solids	66.5%	59.2%	12%	--	--
Aroclor 1254	1860 µg/kg	2720 µg/kg	38%	--	--
Aroclor 1260	5410 µg/kg	8670 µg/kg	46%	--	--

Analyte	RB-W-017-32-220908-00-01	RB-W-017-32-BD0001	RPD	Difference	Difference CL
Total solids	71.6%	71.4%	0%	--	--
Aroclor 1254	704 µg/kg	802 µg/kg	13%	--	--
Aroclor 1260	3000 µg/kg	2970 µg/kg	1%	--	--

Analyte	RB-W-008-83-220902-00-01	RB-W-008-83-BD0001	RPD	Difference	Difference CL
TOC	1200 mg/kg	964 mg/kg	22%	--	--
Total solids	81.5%	88.4%	8%	--	--

Analyte	SE-033-10-C-220912-00-0.5	SE-033-10-C-BD0001	RPD	Difference	Difference CL
TOC	2210 mg/kg	3990 mg/kg	57%	--	--
Total solids	90.7%	88.4%	3%	--	--
Aroclor 1254	104 µg/kg	244 µg/kg	--	140 µg/kg	72 µg/kg
Aroclor 1260	239 µg/kg	539 µg/kg	77%	--	--

Analyte	SE-035-62-C-220912-00-0.5	SE-035-62-C-BD0001	RPD	Difference	Difference CL
TOC	1470 mg/kg	6960 mg/kg	130%	--	--
Total solids	83.1%	87.5%	5%	--	--
Aroclor 1254	646 µg/kg	757 µg/kg	16%	--	--
Aroclor 1260	1280 µg/kg	1760 µg/kg	32%	--	--

Analyte	RB-E-027-53-220909-00-01	RB-E-027-53-BD0001	RPD	Difference	Difference CL
Total solids	70.6%	76.2%	8%	--	--
Aroclor 1254	915 µg/kg	1140 µg/kg	22%	--	--
Aroclor 1260	2920 µg/kg	3370 µg/kg	14%	--	--

Analyte	RB-W-022-49-220909-00-01	RB-W-022-49-BD0001	RPD	Difference	Difference CL
Total solids	67.2%	57%	16%	--	--
Aroclor 1254	361 µg/kg	383 µg/kg	6%	--	--
Aroclor 1260	1250 µg/kg	1530 µg/kg	20%	--	--

Analyte	RB-W-034-42-220914-00-01	RB-W-034-42-BD0001	RPD	Difference	Difference CL
Total solids	60.2%	60.9%	1%	--	--
Aroclor 1254	789 µg/kg	608 µg/kg	26%	--	--
Aroclor 1260	3550 µg/kg	2870 µg/kg	21%	--	--

Analyte	SE-W-OWB1-02-220914-0.5-01	SE-W-OWB1-02-BD0001	RPD	Difference	Difference CL
TOC	9580 mg/kg	5830 mg/kg	49%	--	--
Total solids	76.4%	71.6%	6%	--	--
Aroclor 1260	102 µg/kg	165 µg/kg	--	63 µg/kg	76 µg/kg

Notes:

µg/kg: microgram per kilogram

CL: control limit

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater,

no data were qualified when surrogate recoveries were outside of control limits in these instances. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD51908 –
 - TMX recovered above the control limit in the undiluted analysis of sample RB-W-012-69-220908-00-01. Detected result for Aroclor 1254 was reported from the undiluted analysis and was qualified "J" to indicate a potentially high bias.
- SDG JD51909 –
 - DCB recovered above the control limit in the second column analysis of sample SE-025-59-C-220909-00-0.5. All sample results were reported from the second column and were qualified "J" to indicate a potentially high bias.
- SDG JD51925
 - TMX recovered above the control limit in the second column analysis of RB-W-015-59-220908-00-01. All sample results were reported from the second column and all detectable results were qualified "J" to indicate a potentially high bias.
- SDG JD52012
 - DCB recovered above the control limit in the first column analysis of RB-E-031-18-220914-00-01 for Aroclor 1254. The Aroclor 1254 result was qualified "J" to indicate a potentially high bias due to the DCB recovery.
 - DCB recovered above the control limit in the first and second column analysis of RB-E-036-15-220914-00-01. All detectable sample results were qualified "J" to indicate a potentially high bias.
 - DCB recovered above the control limit in the second column analysis of RB-E-037-46-220914-00-01. The Aroclor 1254 result was reported from the second column and this result was qualified "J" to indicate a potentially high bias.
- SDG JD52014
 - DCB recovered above the control limit in the analysis of SE-038-10-C-220914-01-1.2. The TMX also recovered above the control in the second column analysis. All detectable sample results were qualified "J" to indicate a potentially high bias.
 - TMX recovered above the control limit in the second column analysis of SE-W-OWB1-01-220914-00-0.5. Detected sample results were qualified "J" to indicate a potentially high bias.
 - TMX recovered above the control limit in the second column analysis of SE-W-OWB1-03-220914-00-0.5. All detectable sample results were qualified "J" to indicate a potentially high bias.

Column Confirmation Results

Second column confirmation results were within method requirements for detected results with the following exceptions:

- SDG JD51880 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples RB-W-024-59-220912-00-01 and RB-W-032-60-220912-00-01. The Aroclor 1254 results have been qualified "J" as estimated.
- SDG JD51909 –
 - The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-030-61-C-220909-00-0.5 and SE-030-61-W-220909-0.5-01. The Aroclor 1254 results have been qualified "J" as estimated.
 - The Aroclor 1260 RPD value was above the control limit in the analysis of samples SE-030-61-C-220909-1.5-02. The Aroclor 1260 result has been qualified "J" as estimated.
- SDG JD51924 – The Aroclor 1254 RPD value was above the control limit in the analysis of RB-E-022-92-220909-00-01. The Aroclor 1254 result has been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions:

- Aroclor Batch OP41753 – Aroclor 1016 recovered above the control limit in the LCS. The associated batch sample results were not detectable, so no qualifications were necessary.
- Aroclor Batch OP41893 – Aroclor 1016 and Aroclor 1260 recovered below the control limit in the LCSD and the Aroclor 1016 and 1260 LCS/LCSD RPD values were above the control limit. Associated batch sample results were qualified "UJ" to indicate a potentially low bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- Aroclor Batch OP41863 –
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample RB-W-012-69-220908-00-01. Associated parent sample results were below detection, so no data were qualified.

- Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample RB-W-014-07-220908-00-01. Associated parent sample results were below detection, so no data were qualified.
- Aroclor Batch OP41870 –
 - Aroclor 1260 recovered below the control limit in the MS and MSD analyzed on sample SE-033-10-C-220912-0.5-01, and the RPD was above the control limit. Associated parent sample results were qualified “J” or “UJ”.
- Aroclor Batch OP41871 –
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample SE-035-62-C-220912-0.5-01. The associated parent sample results were below detection, so no data were qualified.
- Aroclor Batch OP41937 –
 - The Aroclor 1016 and 1260 MS/MSD RPD value was above the control limit for RB-E-032-07-220901-00-01. The associated parent sample results were either below detection (Aroclor 1016) or more than four times the concentration of the MS/MSD (Aroclor 1260), so no data were qualified.
- Aroclor Batch OP41938 –
 - Aroclor 1016 recovered above the control limit in the MS/MSD for sample SE-W-OWB1-02-220914-00-0.5. All associated results were not detected, and no qualifications were necessary.
- Aroclor Batch OP41938 –
 - The Aroclor 1016 and 1260 MS/MSD RPD value was above the control limit for SE-W-OWB1-03-220914-01-1.2. The associated parent sample results were below detection so no data were qualified.
- TOC Batch GP42328
 - The MS and/or MSD recovered below the control limit for samples SE-012-76-C-220901-1.5-02 and SE-012-76-W-220901-0.5-01. All batch sample results have been qualified “J” to indicate a potentially low bias.
- TOC Batch GP42330
 - The MS and/or MSD recovered below the control limit for samples SE-017-96-E-220902-1.5-1.79 and SE-017-96-W-220902-01-1.5. All batch sample results have been qualified “J” to indicate a potentially low bias.
 - The MS/MSD RPD value was above the control limit for sample SE-017-96-W-220902-01-1.5. All associated batch sample results were already qualified due to the low MS/MSD recoveries. Sample SE-017-96-E-220902-1.5-1.79 was not qualified for the RPD value since the analyzed MS/MSD RPD value performed on this sample was within acceptance limits.
- TOC Batch GP42331 –

- The MS and MSD recovered below the control limit for samples SE-020-47-W-220902-1.5-1.92 and SE-015-43-W-220901-01-1.5. All batch sample results have been qualified “J” to indicate a potentially low bias.
- TOC Batch GP42415 –
 - The MS recovered below the control limit for sample SE-028-11-W-220909-01-1.5. Associated batch sample results have been qualified “J” or “UJ” to indicate a potentially low bias.
- TOC Batch GP42476 –
 - The MSD recovered above the control limit for sample SE-025-59-W-220909-01-1.5. Associated batch sample results have been qualified “J” to indicate a potentially high bias. Sample SE-025-59-C-220909-01-1.5 was not qualified as the MS and MSD performed on this sample met the control limits.
- TOC Batch GP42523 –
 - The MS and MSD recovered below the control limit for sample SE-035-62-C-220912-0.5-01. Associated batch sample results have been qualified “J” to indicate a potentially low bias. Sample SE-033-10-C-220902-0.5-01 was not qualified for the low recovery since the MS/MSD performed on this sample was within acceptance limits.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. All data are acceptable as reported or qualified. Completeness was 100%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-017-96-C-220902-0.5-01	Conventionals	TOC	3110 mg/kg	3110J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-C-220902-00-0.5	Conventionals	TOC	1060 mg/kg	1060J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-C-220902-01-1.5	Conventionals	TOC	4350 mg/kg	4350J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-C-220902-1.5-1.63	Conventionals	TOC	1250 mg/kg	1250J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-E-220902-0.5-01	Conventionals	TOC	14900 mg/kg	14900J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-E-220902-00-0.5	Conventionals	TOC	21400 mg/kg	21400J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-E-220902-01-1.5	Conventionals	TOC	19300 mg/kg	19300J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-E-220902-1.5-1.79	Conventionals	TOC	418 mg/kg	418J mg/kg	MS %R below CL
SE-017-96-E-BD0001	Conventionals	TOC	13300 mg/kg	13300J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-W-220902-0.5-01	Conventionals	TOC	8160 mg/kg	8160J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-W-220902-00-0.5	Conventionals	TOC	5580 mg/kg	5580J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-W-220902-01-1.5	Conventionals	TOC	14300 mg/kg	14300J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-017-96-W-220902-1.5-1.66	Conventionals	TOC	10600 mg/kg	10600J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-020-47-C-220902-0.5-01	Conventionals	TOC	4270 mg/kg	4270J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-020-47-C-220902-00-0.5	Conventionals	TOC	2580 mg/kg	2580J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-020-47-C-220902-01-1.5	Conventionals	TOC	410 mg/kg	410J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-020-47-C-220902-1.5-1.83	Conventionals	TOC	584 mg/kg	584J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-020-47-E-220902-0.5-01	Conventionals	TOC	2870 mg/kg	2870J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-020-47-E-220902-00-0.5	Conventionals	TOC	991 mg/kg	991J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-020-47-E-220902-01-1.5	Conventionals	TOC	5800 mg/kg	5800J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
SE-020-47-E-220902-1.5-02	Conventionals	TOC	3680 mg/kg	3680J mg/kg	MS %R below CL
SE-020-47-W-220902-0.5-01	Conventionals	TOC	13400 mg/kg	13400J mg/kg	MS %R below CL
SE-020-47-W-220902-00-0.5	Conventionals	TOC	6230 mg/kg	6230J mg/kg	MS %R below CL
SE-020-47-W-220902-01-1.5	Conventionals	TOC	524 mg/kg	524J mg/kg	MS %R below CL
SE-020-47-W-220902-1.5-1.92	Conventionals	TOC	523 mg/kg	523J mg/kg	MS %R below CL
SE-012-76-C-220901-0.5-01	Conventionals	TOC	14900 mg/kg	14900J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-012-76-C-220901-00-0.5	Conventionals	TOC	23000 mg/kg	23000J mg/kg	MS/MSD %R below CL
SE-012-76-C-220901-01-1.5	Conventionals	TOC	299 mg/kg	299J mg/kg	MS/MSD %R below CL
SE-012-76-C-220901-02-2.25	Conventionals	TOC	305 mg/kg	305J mg/kg	MS/MSD %R below CL
SE-012-76-C-220901-1.5-02	Conventionals	TOC	335 mg/kg	335J mg/kg	MS/MSD %R below CL
SE-012-76-C-BD0001	Conventionals	TOC	864 mg/kg	864J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-012-76-E-220901-0.5-01	Conventionals	TOC	1170 mg/kg	1170J mg/kg	MS/MSD %R below CL
SE-012-76-E-220901-00-0.5	Conventionals	TOC	4850 mg/kg	4850J mg/kg	MS/MSD %R below CL
SE-012-76-E-220901-01-1.5	Conventionals	TOC	901 mg/kg	901J mg/kg	MS/MSD %R below CL
SE-012-76-E-220901-1.5-1.9	Conventionals	TOC	684 mg/kg	684J mg/kg	MS/MSD %R below CL
SE-012-76-W-220901-0.5-01	Conventionals	TOC	389 mg/kg	389J mg/kg	MSD %R below CL
SE-012-76-W-220901-00-0.5	Conventionals	TOC	453 mg/kg	453J mg/kg	MS/MSD %R below CL
SE-012-76-W-220901-01-1.5	Conventionals	TOC	448 mg/kg	448J mg/kg	MS/MSD %R below CL
SE-015-43-C-220901-0.5-01	Conventionals	TOC	7400 mg/kg	7400J mg/kg	MS/MSD %R below CL
SE-015-43-C-220901-00-0.5	Conventionals	TOC	1650 mg/kg	1650J mg/kg	MS/MSD %R below CL
SE-015-43-C-220901-01-1.5	Conventionals	TOC	1570 mg/kg	1570J mg/kg	MS/MSD %R below CL
SE-015-43-C-220901-02-2.05	Conventionals	TOC	8580 mg/kg	8580J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-015-43-C-220901-1.5-02	Conventionals	TOC	2040 mg/kg	2040J mg/kg	MS/MSD %R below CL
SE-015-43-E-220901-0.5-01	Conventionals	TOC	8540 mg/kg	8540J mg/kg	MS/MSD %R below CL
SE-015-43-E-220901-00-0.5	Conventionals	TOC	1160 mg/kg	1160J mg/kg	MS/MSD %R below CL
SE-015-43-E-220901-01-1.5	Conventionals	TOC	1070 mg/kg	1070J mg/kg	MS/MSD %R below CL
SE-015-43-W-220901-0.5-01	Conventionals	TOC	3430 mg/kg	3430J mg/kg	MS/MSD %R below CL
SE-015-43-W-220901-00-0.5	Conventionals	TOC	1100 mg/kg	1100J mg/kg	MS/MSD %R below CL
SE-015-43-W-220901-01-1.5	Conventionals	TOC	5890 mg/kg	5890J mg/kg	MS/MSD %R below CL
SE-015-43-W-220901-1.5-1.7	Conventionals	TOC	6350 mg/kg	6350J mg/kg	MS/MSD %R below CL
RB-W-024-59-220912-00-01	PCBs	Aroclor 1254	83.6 µg/kg	83.6J µg/kg	Column confirmation RPD above CL
RB-2209121105	PCBs	Aroclor 1016	0.4U µg/kg	0.4UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-W-032-60-220912-00-01	PCBs	Aroclor 1254	461 µg/kg	461J µg/kg	LCS %R above CL; Column confirmation RPD above CL
		Aroclor 1260	1960 µg/kg	1960J µg/kg	LCS %R above CL
RB-2209081400	PCBs	Aroclor 1016	0.38U µg/kg	0.38UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-W-012-69-220908-00-01	PCBs	Aroclor 1254	8510 µg/kg	8510J µg/kg	Surrogate %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2209081444	PCBs	Aroclor 1016	0.37U µg/kg	0.37UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-025-59-C-220909-0.5-01	Conventionals	TOC	2460 mg/kg	2460J mg/kg	MSD %R above CL
SE-025-59-C-220909-00-0.5	Conventionals	TOC	8920 mg/kg	8920J mg/kg	MSD %R above CL
	PCBs	Aroclor 1260	640 µg/kg	640J µg/kg	Surrogate %R above CL
SE-025-59-C-220909-02-2.1	Conventionals	TOC	10500 mg/kg	10500J mg/kg	MSD %R above CL
SE-025-59-C-220909-1.5-02	Conventionals	TOC	840 mg/kg	840J mg/kg	MSD %R above CL
SE-025-59-E-220909-0.5-01	Conventionals	TOC	2380 mg/kg	2380J mg/kg	MSD %R above CL
SE-025-59-E-220909-00-0.5	Conventionals	TOC	4380 mg/kg	4380J mg/kg	MSD %R above CL
SE-025-59-E-220909-01-1.35	Conventionals	TOC	1140 mg/kg	1140J mg/kg	MSD %R above CL
SE-025-59-W-220909-0.5-01	Conventionals	TOC	649 mg/kg	649J mg/kg	MSD %R above CL
SE-025-59-W-220909-00-0.5	Conventionals	TOC	951 mg/kg	951J mg/kg	MSD %R above CL
SE-025-59-W-220909-01-1.5	Conventionals	TOC	641 mg/kg	641J mg/kg	MSD %R above CL
SE-025-59-W-220909-1.5-1.87	Conventionals	TOC	737 mg/kg	737J mg/kg	MSD %R above CL
SE-028-11-C-220909-0.5-01	Conventionals	TOC	1030 mg/kg	1030J mg/kg	MSD %R above CL
SE-028-11-C-220909-00-0.5	Conventionals	TOC	2960 mg/kg	2960J mg/kg	MSD %R above CL
SE-028-11-C-220909-01-1.5	Conventionals	TOC	4680 mg/kg	4680J mg/kg	MSD %R above CL
SE-028-11-C-220909-1.5-1.62	Conventionals	TOC	3500 mg/kg	3500J mg/kg	MSD %R above CL
SE-028-11-E-220909-0.5-01	Conventionals	TOC	7030 mg/kg	7030J mg/kg	MSD %R above CL
SE-028-11-E-220909-00-0.5	Conventionals	TOC	2280 mg/kg	2280J mg/kg	MSD %R above CL
SE-028-11-E-220909-01-1.5	Conventionals	TOC	3700 mg/kg	3700J mg/kg	MSD %R above CL
SE-028-11-E-220909-1.5-1.77	Conventionals	TOC	3410 mg/kg	3410J mg/kg	MSD %R above CL
SE-028-11-W-220909-0.5-01	Conventionals	TOC	1200 mg/kg	1200J mg/kg	MS %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-028-11-W-220909-00-0.5	Conventionals	TOC	130 mg/kg	130UJ mg/kg	MS %R below CL
SE-028-11-W-220909-01-1.5	Conventionals	TOC	565 mg/kg	565J mg/kg	MS %R below CL
SE-028-11-W-220909-1.5-1.85	Conventionals	TOC	1090 mg/kg	1090J mg/kg	MS %R below CL
SE-028-11-W-BD0001	Conventionals	TOC	964 mg/kg	964J mg/kg	MS %R below CL
SE-030-61-C-220909-0.5-01	Conventionals	TOC	1900 mg/kg	1900J mg/kg	MS %R below CL
SE-030-61-C-220909-00-0.5	Conventionals	TOC	2830 mg/kg	2830J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	118 µg/kg	118J µg/kg	Column confirmation RPD above CL
SE-030-61-C-220909-01-1.5	Conventionals	TOC	6120 mg/kg	6120J mg/kg	MS %R below CL
SE-030-61-C-220909-02-2.4	Conventionals	TOC	6790 mg/kg	6790J mg/kg	MS %R below CL
SE-030-61-C-220909-1.5-02	Conventionals	TOC	7540 mg/kg	7540J mg/kg	MS %R below CL
	PCBs	Aroclor 1260	26.4 µg/kg	26.4J µg/kg	Column confirmation RPD above CL
SE-030-61-E-220909-0.5-01	Conventionals	TOC	4550 mg/kg	4550J mg/kg	MS %R below CL
SE-030-61-E-220909-00-0.5	Conventionals	TOC	4870 mg/kg	4870J mg/kg	MS %R below CL
SE-030-61-E-220909-01-1.5	Conventionals	TOC	4810 mg/kg	4810J mg/kg	MS %R below CL
SE-030-61-E-220909-02-2.25	Conventionals	TOC	5920 mg/kg	5920J mg/kg	MS %R below CL
SE-030-61-E-220909-1.5-02	Conventionals	TOC	4610 mg/kg	4610J mg/kg	MS %R below CL
RB-2209121510	PCBs	Aroclor 1016	0.4U µg/kg	0.4UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-033-10-C-220912-0.5-01	PCBs	Aroclor 1248	36U µg/kg	36UJ µg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
		Aroclor 1254	265 µg/kg	265J µg/kg	
		Aroclor 1260	378 µg/kg	378J µg/kg	
SE-033-10-C-220912-00-0.5	Conventionals	TOC	2210 mg/kg	2210J mg/kg	MS/MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1254	104 µg/kg	104J µg/kg	FD RPD above CL
		Aroclor 1260	239 µg/kg	239J µg/kg	
SE-033-10-C-220912-01-1.5	Conventionals	TOC	6710 mg/kg	6710J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-033-10-C-220912-1.5-1.97	Conventionals	TOC	21900 mg/kg	21900J mg/kg	MS/MSD %R below CL
SE-033-10-C-BD0001	Conventionals	TOC	3990 mg/kg	3990J mg/kg	MS/MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1254	244 µg/kg	244J µg/kg	FD RPD above CL
		Aroclor 1260	539 µg/kg	539J µg/kg	
SE-033-10-E-220912-0.5-01	Conventionals	TOC	4330 µg/kg	4330J µg/kg	MS/MSD %R below CL
SE-033-10-E-220912-00-0.5	Conventionals	TOC	3080 µg/kg	3080J µg/kg	MS/MSD %R below CL
SE-033-10-E-220912-01-1.5	Conventionals	TOC	980 µg/kg	980J µg/kg	MS/MSD %R below CL
SE-033-10-E-220912-1.5-02	Conventionals	TOC	532 µg/kg	532J µg/kg	MS/MSD %R below CL
SE-033-10-W-220912-0.5-01	Conventionals	TOC	2440 µg/kg	2440J µg/kg	MS/MSD %R below CL
SE-033-10-W-220912-00-0.5	Conventionals	TOC	3550 µg/kg	3550J µg/kg	MS/MSD %R below CL
SE-033-10-W-220912-01-1.5	Conventionals	TOC	2460 µg/kg	2460J µg/kg	MS/MSD %R below CL
SE-033-10-W-220912-1.5-1.95	Conventionals	TOC	3910 µg/kg	3910J µg/kg	MS/MSD %R below CL
SE-035-62-C-220912-0.5-01	Conventionals	TOC	4870 µg/kg	4870J µg/kg	MS/MSD %R below CL
SE-035-62-C-220912-00-0.5	Conventionals	TOC	1470 mg/kg	1470J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-035-62-C-220912-01-1.5	Conventionals	TOC	23000 mg/kg	23000J mg/kg	MS/MSD %R below CL
SE-035-62-C-220912-1.5-1.7	Conventionals	TOC	20800 mg/kg	20800J mg/kg	MS/MSD %R below CL
SE-035-62-C-BD0001	Conventionals	TOC	6960 mg/kg	6960J mg/kg	MS/MSD %R below CL; FD RPD above CL
RB-E-022-92-220909-00-01	PCBs	Aroclor 1254	1140 µg/kg	1140J µg/kg	Column confirmation RPD above CL
RB-2209091309	PCBs	Aroclor 1016	0.4U µg/kg	0.4UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-W-015-59-220908-00-01	PCBs	Aroclor 1254	356 µg/kg	356J µg/kg	Surrogate %R above CL
		Aroclor 1260	1470 µg/kg	1470J µg/kg	Surrogate %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2209091333	PCBs	Aroclor 1016	0.4U µg/kg	0.4UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-E-031-18-220914-00-01	PCBs	Aroclor 1254	1960 µg/kg	1960J µg/kg	Surrogate %R above CL
RB-E-036-15-220914-00-01	PCBs	Aroclor 1254	1660 µg/kg	1660J µg/kg	Surrogate %R above CL
		Aroclor 1260	7070 µg/kg	7070J µg/kg	Surrogate %R above CL
RB-E-037-46-220914-00-01	PCBs	Aroclor 1254	1100 µg/kg	1100J µg/kg	Surrogate %R above CL
SE-038-10-C-220914-01-1.2	PCBs	Aroclor 1254	2610 µg/kg	2610J µg/kg	Column confirmation RPD above CL; Surrogate %R above CL
		Aroclor 1260	9750 µg/kg	9750J µg/kg	Surrogate %R above CL
SE-038-10-W-220914-0.5-01	PCBs	Aroclor 1260	175 µg/kg	175J µg/kg	Column confirmation RPD above CL
SE-038-10-W-220914-00-0.5	PCBs	Aroclor 1260	94.9 µg/kg	94.9J µg/kg	Column confirmation RPD above CL
SE-W-OWB1-01-220914-00-0.5	PCBs	Aroclor 1254	818 µg/kg	818J µg/kg	Surrogate %R above CL
		Aroclor 1260	1660 µg/kg	1660J µg/kg	Surrogate %R above CL
RB-2209141712	PCBs	Aroclor 1016	0.43U µg/kg	0.43UJ µg/kg	LCSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-W-OWB1-02-220914-0.5-01	PCBs	Aroclor 1260	102 µg/kg	102J µg/kg	Column confirmation RPD above CL
SE-W-OWB1-02-BD0001	PCBs	Aroclor 1260	165 µg/kg	165J µg/kg	Column confirmation RPD above CL
SE-W-OWB1-03-220914-00-0.5	PCBs	Aroclor 1260	µg/kg	J µg/kg	Surrogate %R above CL

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.
- EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-017-96-C-220902-0.5-01	JD51443-1	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-E-BD0001	JD51443-10	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-W-220902-0.5-01	JD51443-11	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-W-220902-00-0.5	JD51443-12	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-W-220902-01-1.5	JD51443-13	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-W-220902-1.5-1.66	JD51443-14	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-C-220902-0.5-01	JD51443-15	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-C-220902-00-0.5	JD51443-16	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-C-220902-01-1.5	JD51443-17	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-C-220902-1.5-1.83	JD51443-18	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-E-220902-0.5-01	JD51443-19	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-C-220902-00-0.5	JD51443-2	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-E-220902-00-0.5	JD51443-20	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-E-220902-01-1.5	JD51443-21	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-E-220902-1.5-02	JD51443-22	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-W-220902-0.5-01	JD51443-23	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-W-220902-00-0.5	JD51443-24	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-W-220902-01-1.5	JD51443-25	JD51443	Sediment	PCBs, TOC, TS
SE-020-47-W-220902-1.5-1.92	JD51443-26	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-C-220902-01-1.5	JD51443-3	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-C-220902-1.5-1.63	JD51443-4	JD51443	Sediment	PCBs, TOC, TS
RB-2209021504	JD51443-5	JD51443	Water	PCBs, TOC
SE-017-96-E-220902-0.5-01	JD51443-6	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-E-220902-00-0.5	JD51443-7	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-E-220902-01-1.5	JD51443-8	JD51443	Sediment	PCBs, TOC, TS
SE-017-96-E-220902-1.5-1.79	JD51443-9	JD51443	Sediment	PCBs, TOC, TS
SE-012-76-C-220901-0.5-01	JD51445-1	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-E-220901-1.5-1.9	JD51445-10	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-W-220901-0.5-01	JD51445-11	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-W-220901-00-0.5	JD51445-12	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-W-220901-01-1.5	JD51445-13	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-C-220901-0.5-01	JD51445-14	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-C-220901-00-0.5	JD51445-15	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-C-220901-01-1.5	JD51445-16	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-C-220901-02-2.05	JD51445-17	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-C-220901-1.5-02	JD51445-18	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-E-220901-0.5-01	JD51445-19	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-C-220901-00-0.5	JD51445-2	JD51445	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-015-43-E-220901-00-0.5	JD51445-20	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-E-220901-01-1.5	JD51445-21	JD51445	Sediment	PCBs, TOC, TS
RB-2209011732	JD51445-22	JD51445	Water	PCBs, TOC
SE-015-43-W-220901-0.5-01	JD51445-23	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-W-220901-00-0.5	JD51445-24	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-W-220901-01-1.5	JD51445-25	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-W-220901-1.5-1.7	JD51445-26	JD51445	Sediment	PCBs, TOC, TS
SE-015-43-W-G-220901-00-1.1	JD51445-27	JD51445	Sediment	PCBs, TOC, GS, TS, MC
SE-015-43-W-G-220901-1.1-1.7	JD51445-28	JD51445	Sediment	PCBs, TOC, GS, TS, MC
SE-012-76-C-220901-01-1.5	JD51445-3	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-C-220901-02-2.25	JD51445-4	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-C-220901-1.5-02	JD51445-5	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-C-BD0001	JD51445-6	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-E-220901-0.5-01	JD51445-7	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-E-220901-00-0.5	JD51445-8	JD51445	Sediment	PCBs, TOC, TS
SE-012-76-E-220901-01-1.5	JD51445-9	JD51445	Sediment	PCBs, TOC, TS
RB-E-060-01-220912-00-01	JD51880-1	JD51880	Soil	PCBs, TS
RB-W-027-10-BD0001	JD51880-10	JD51880	Soil	PCBs, TS
RB-W-027-31-220912-00-01	JD51880-11	JD51880	Soil	PCBs, TS
RB-W-027-78-220912-00-01	JD51880-12	JD51880	Soil	PCBs, TS
RB-W-028-24-220912-00-01	JD51880-13	JD51880	Soil	PCBs, TS
RB-2209121105	JD51880-14	JD51880	Water	PCBs
RB-W-028-77-220912-00-01	JD51880-15	JD51880	Soil	PCBs, TS
RB-W-029-35-220912-00-01	JD51880-16	JD51880	Soil	PCBs, TS
RB-W-029-89-220912-00-01	JD51880-17	JD51880	Soil	PCBs, TS
RB-W-030-54-220912-00-01	JD51880-18	JD51880	Soil	PCBs, TS
RB-W-030-96-220912-00-01	JD51880-19	JD51880	Soil	PCBs, TS
RB-W-013-79-220912-00-01	JD51880-2	JD51880	Soil	PCBs, TS
RB-W-031-49-220912-00-01	JD51880-20	JD51880	Soil	PCBs, TOC, GS, TS, MC
RB-W-032-06-220912-00-01	JD51880-21	JD51880	Soil	PCBs, TS
RB-W-032-60-220912-00-01	JD51880-22	JD51880	Soil	PCBs, TS
RB-W-033-08-220912-00-01	JD51880-23	JD51880	Soil	PCBs, TS
RB-W-033-39-220912-00-01	JD51880-24	JD51880	Soil	PCBs, TS
RB-W-033-90-220912-00-01	JD51880-25	JD51880	Soil	PCBs, TOC, GS, TS, MC
RB-W-024-59-220912-00-01	JD51880-3	JD51880	Soil	PCBs, TS
RB-W-024-97-220912-00-01	JD51880-4	JD51880	Soil	PCBs, TS
RB-W-025-16-220912-00-01	JD51880-5	JD51880	Soil	PCBs, TS
RB-W-025-67-220912-00-01	JD51880-6	JD51880	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-026-07-220912-00-01	JD51880-7	JD51880	Soil	PCBs, TOC, GS, TS, MC
RB-W-026-53-220912-00-01	JD51880-8	JD51880	Soil	PCBs, TS
RB-W-027-10-220912-00-01	JD51880-9	JD51880	Soil	PCBs, TS
RB-W-059-47-220912-00-01	JD51907-1	JD51907	Soil	PCBs, TS
RB-E-017-02-220908-00-01	JD51908-1	JD51908	Soil	PCBs, TS
RB-E-020-38-220908-00-01	JD51908-10	JD51908	Soil	PCBs, TS
RB-E-020-89-220908-00-01	JD51908-11	JD51908	Soil	PCBs, TOC, GS, TS, MC
RB-W-012-69-220908-00-01	JD51908-12	JD51908	Soil	PCBs, TS
RB-W-012-89-220908-00-01	JD51908-13	JD51908	Soil	PCBs, TS
RB-W-013-13-220908-00-01	JD51908-14	JD51908	Soil	PCBs, TOC, GS, TS, MC
RB-W-013-40-220908-00-01	JD51908-15	JD51908	Soil	PCBs, TS
RB-W-013-58-220908-00-01	JD51908-16	JD51908	Soil	PCBs, TS
RB-W-013-89-220908-00-01	JD51908-17	JD51908	Soil	PCBs, TS
RB-W-014-07-220908-00-01	JD51908-18	JD51908	Soil	PCBs, TS
RB-W-014-48-220908-00-01	JD51908-19	JD51908	Soil	PCBs, TS
RB-E-017-70-220908-00-01	JD51908-2	JD51908	Soil	PCBs, TS
RB-W-015-31-220908-00-01	JD51908-20	JD51908	Soil	PCBs, TS
RB-W-017-32-BD0001	JD51908-21	JD51908	Soil	PCBs, TS
RB-2209081444	JD51908-22	JD51908	Water	PCBs
RB-W-016-76-220908-00-01	JD51908-23	JD51908	Soil	PCBs, TS
RB-E-017-70-BD0001	JD51908-3	JD51908	Soil	PCBs, TS
RB-2209081400	JD51908-4	JD51908	Water	PCBs
RB-E-017-98-220908-00-01	JD51908-5	JD51908	Soil	PCBs, TS
RB-E-018-45-220908-00-01	JD51908-6	JD51908	Soil	PCBs, TOC, GS, TS, MC
RB-E-018-92-220908-00-01	JD51908-7	JD51908	Soil	PCBs, TS
RB-E-019-42-220908-00-01	JD51908-8	JD51908	Soil	PCBs, TS
RB-E-019-89-220908-00-01	JD51908-9	JD51908	Soil	PCBs, TS
SE-025-59-C-220909-0.5-01	JD51909-1	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-W-220909-00-0.5	JD51909-10	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-W-220909-01-1.5	JD51909-11	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-W-220909-1.5-1.87	JD51909-12	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-C-220909-0.5-01	JD51909-13	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-C-220909-00-0.5	JD51909-14	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-C-220909-01-1.5	JD51909-15	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-C-220909-1.5-1.62	JD51909-16	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-E-220909-0.5-01	JD51909-17	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-E-220909-00-0.5	JD51909-18	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-E-220909-01-1.5	JD51909-19	JD51909	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-025-59-C-220909-00-0.5	JD51909-2	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-E-220909-1.5-1.77	JD51909-20	JD51909	Sediment	PCBs, TOC, TS
RB-2209091510	JD51909-21	JD51909	Water	PCBs, TOC
SE-028-11-W-220909-0.5-01	JD51909-22	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-W-220909-00-0.5	JD51909-23	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-W-220909-01-1.5	JD51909-24	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-W-220909-1.5-1.85	JD51909-25	JD51909	Sediment	PCBs, TOC, TS
SE-028-11-W-BD0001	JD51909-26	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-C-220909-0.5-01	JD51909-27	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-C-220909-00-0.5	JD51909-28	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-C-220909-01-1.5	JD51909-29	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-C-220909-01-1.5	JD51909-3	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-C-220909-02-2.4	JD51909-30	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-C-220909-1.5-02	JD51909-31	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-E-220909-0.5-01	JD51909-32	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-E-220909-00-0.5	JD51909-33	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-E-220909-01-1.5	JD51909-34	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-E-220909-02-2.25	JD51909-35	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-E-220909-1.5-02	JD51909-36	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-W-220909-0.5-01	JD51909-37	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-W-220909-00-0.5	JD51909-38	JD51909	Sediment	PCBs, TOC, TS
SE-030-61-W-220909-01-1.4	JD51909-39	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-C-220909-02-2.1	JD51909-4	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-C-220909-1.5-02	JD51909-5	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-E-220909-0.5-01	JD51909-6	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-E-220909-00-0.5	JD51909-7	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-E-220909-01-1.35	JD51909-8	JD51909	Sediment	PCBs, TOC, TS
SE-025-59-W-220909-0.5-01	JD51909-9	JD51909	Sediment	PCBs, TOC, TS
RB-2209121510	JD51924-1	JD51924	Water	PCBs, TOC
SE-033-10-E-220912-1.5-02	JD51924-10	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-W-220912-0.5-01	JD51924-11	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-W-220912-00-0.5	JD51924-12	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-W-220912-01-1.5	JD51924-13	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-W-220912-1.5-1.95	JD51924-14	JD51924	Sediment	PCBs, TOC, TS
RB-2209121606	JD51924-15	JD51924	Water	PCBs, TOC
SE-035-62-C-220912-0.5-01	JD51924-16	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-C-220912-00-0.5	JD51924-17	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-C-220912-01-1.5	JD51924-18	JD51924	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-035-62-C-220912-1.5-1.7	JD51924-19	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-C-220912-0.5-01	JD51924-2	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-C-BD0001	JD51924-20	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-E-220912-0.5-01	JD51924-21	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-E-220912-00-0.5	JD51924-22	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-E-220912-01-1.5	JD51924-23	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-W-220912-0.5-01	JD51924-24	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-W-220912-00-0.5	JD51924-25	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-W-220912-01-1.5	JD51924-26	JD51924	Sediment	PCBs, TOC, TS
SE-035-62-W-220912-1.5-1.65	JD51924-27	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-C-220912-00-0.5	JD51924-3	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-C-220912-01-1.5	JD51924-4	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-C-220912-1.5-1.97	JD51924-5	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-C-BD0001	JD51924-6	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-E-220912-0.5-01	JD51924-7	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-E-220912-00-0.5	JD51924-8	JD51924	Sediment	PCBs, TOC, TS
SE-033-10-E-220912-01-1.5	JD51924-9	JD51924	Sediment	PCBs, TOC, TS
RB-E-021-42-220909-00-01	JD51925-1	JD51925	Soil	PCBs, TS
RB-E-026-03-220909-00-01	JD51925-10	JD51925	Soil	PCBs, TS
RB-E-026-55-220909-00-01	JD51925-11	JD51925	Soil	PCBs, TS
RB-E-026-98-220909-00-01	JD51925-12	JD51925	Soil	PCBs, TS
RB-E-027-53-220909-00-01	JD51925-13	JD51925	Soil	PCBs, TS
RB-E-027-53-BD0001	JD51925-14	JD51925	Soil	PCBs, TS
RB-E-028-04-220909-00-01	JD51925-15	JD51925	Soil	PCBs, TS
RB-E-028-51-220909-00-01	JD51925-16	JD51925	Soil	PCBs, TS
RB-E-028-98-220909-00-01	JD51925-17	JD51925	Soil	PCBs, TS
RB-W-014-32-220908-00-01	JD51925-18	JD51925	Soil	PCBs, TS
RB-W-014-69-220908-00-01	JD51925-19	JD51925	Soil	PCBs, TS
RB-E-021-85-220909-00-01	JD51925-2	JD51925	Soil	PCBs, TS
RB-W-015-59-220908-00-01	JD51925-20	JD51925	Soil	PCBs, TS
RB-W-016-23-220908-00-01	JD51925-21	JD51925	Soil	PCBs, TS
RB-W-017-32-220908-00-01	JD51925-22	JD51925	Soil	PCBs, TS
RB-W-017-81-220908-00-01	JD51925-23	JD51925	Soil	PCBs, TS
RB-W-018-09-220908-00-01	JD51925-24	JD51925	Soil	PCBs, TS
RB-W-018-59-220909-00-01	JD51925-25	JD51925	Soil	PCBs, TS
RB-W-019-09-220909-00-01	JD51925-26	JD51925	Soil	PCBs, TS
RB-W-019-57-220909-00-01	JD51925-27	JD51925	Soil	PCBs, TS
RB-W-020-11-220909-00-01	JD51925-28	JD51925	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-020-59-220909-00-01	JD51925-29	JD51925	Soil	PCBs, TS
RB-E-022-42-220909-00-01	JD51925-3	JD51925	Soil	PCBs, TS
RB-W-021-05-220909-00-01	JD51925-30	JD51925	Soil	PCBs, TOC, GS, TS, MC
RB-W-021-56-220909-00-01	JD51925-31	JD51925	Soil	PCBs, TS
RB-2209091333	JD51925-32	JD51925	Water	PCBs
RB-W-022-06-220909-00-01	JD51925-33	JD51925	Soil	PCBs, TS
RB-W-022-49-220909-00-01	JD51925-34	JD51925	Soil	PCBs, TS
RB-W-022-49-BD0001	JD51925-35	JD51925	Soil	PCBs, TS
RB-W-023-18-220909-00-01	JD51925-36	JD51925	Soil	PCBs, TS
RB-W-023-89-220909-00-01	JD51925-37	JD51925	Soil	PCBs, TOC, GS, TS, MC
RB-E-022-92-220909-00-01	JD51925-4	JD51925	Soil	PCBs, TS
RB-E-023-47-220909-00-01	JD51925-5	JD51925	Soil	PCBs, TS
RB-E-023-97-220909-00-01	JD51925-6	JD51925	Soil	PCBs, TS
RB-E-024-63-220909-00-01	JD51925-7	JD51925	Soil	PCBs, TS
RB-2209091309	JD51925-8	JD51925	Water	PCBs
RB-E-025-38-220909-00-01	JD51925-9	JD51925	Soil	PCBs, TOC, GS, TS, MC
RB-E-029-42-220914-00-01	JD52012-1	JD52012	Soil	PCBs, TS
RB-E-036-15-220914-00-01	JD52012-10	JD52012	Soil	PCBs, TS
RB-E-036-77-220914-00-01	JD52012-11	JD52012	Soil	PCBs, TS
RB-E-037-46-220914-00-01	JD52012-12	JD52012	Soil	PCBs, TS
RB-W-034-42-220914-00-01	JD52012-13	JD52012	Soil	PCBs, TS
RB-W-034-42-BD0001	JD52012-14	JD52012	Soil	PCBs, TS
RB-W-034-90-220914-00-01	JD52012-15	JD52012	Soil	PCBs, TOC, GS, TS, MC
RB-W-035-44-220914-00-01	JD52012-16	JD52012	Soil	PCBs, TS
RB-W-035-90-220914-00-01	JD52012-17	JD52012	Soil	PCBs, TS
RB-W-036-31-220914-00-01	JD52012-18	JD52012	Soil	PCBs, TS
RB-W-039-64-220914-00-01	JD52012-19	JD52012	Soil	PCBs, TOC, GS, TS, MC
RB-E-030-09-220914-00-01	JD52012-2	JD52012	Soil	PCBs, TOC, GS, TS, MC
RB-W-040-24-220914-00-01	JD52012-20	JD52012	Soil	PCBs, TS
RB-W-042-68-220914-00-01	JD52012-21	JD52012	Soil	PCBs, TS
RB-W-043-39-220914-00-01	JD52012-22	JD52012	Soil	PCBs, TS
RB-E-030-48-220914-00-01	JD52012-3	JD52012	Soil	PCBs, TS
RB-E-031-18-220914-00-01	JD52012-4	JD52012	Soil	PCBs, TS
RB-E-031-65-220914-00-01	JD52012-5	JD52012	Soil	PCBs, TS
RB-E-032-07-220914-00-01	JD52012-6	JD52012	Soil	PCBs, TS
RB-E-032-76-220914-00-01	JD52012-7	JD52012	Soil	PCBs, TS
RB-E-035-05-220914-00-01	JD52012-8	JD52012	Soil	PCBs, TS
RB-E-035-57-220914-00-01	JD52012-9	JD52012	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-038-10-C-220914-0.5-01	JD52014-1	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-W-220914-01-1.5	JD52014-10	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-W-220914-1.5-1.85	JD52014-11	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-W-G-220914-00-1.75	JD52014-12	JD52014	Sediment	PCBs, TOC, GS, TS, MC
SE-W-OWB1-01-220914-0.5-01	JD52014-13	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-01-220914-00-0.5	JD52014-14	JD52014	Sediment	PCBs, TOC, TS
RB-2209141712	JD52014-15	JD52014	Water	PCBs, TOC
SE-W-OWB1-02-220914-0.5-01	JD52014-16	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-02-220914-00-0.5	JD52014-17	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-02-BD0001	JD52014-18	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-03-220914-0.5-01	JD52014-19	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-C-220914-00-0.5	JD52014-2	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-03-220914-00-0.5	JD52014-20	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-03-220914-01-1.2	JD52014-21	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-04-220914-0.5-01	JD52014-22	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-04-220914-00-0.5	JD52014-23	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-05-220914-0.5-01	JD52014-24	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-05-220914-00-0.5	JD52014-25	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-05-220914-01-1.5	JD52014-26	JD52014	Sediment	PCBs, TOC, TS
SE-W-OWB1-05-220914-1.5-1.95	JD52014-27	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-C-220914-01-1.2	JD52014-3	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-E-220914-0.5-01	JD52014-4	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-E-220914-00-0.5	JD52014-5	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-E-220914-01-1.5	JD52014-6	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-E-220914-1.5-1.75	JD52014-7	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-W-220914-0.5-01	JD52014-8	JD52014	Sediment	PCBs, TOC, TS
SE-038-10-W-220914-00-0.5	JD52014-9	JD52014	Sediment	PCBs, TOC, TS

Data Validation Report – EPA Stage 2A

April 17, 2023

Project: GE Housatonic River Sediment and Riverbanks

Project Number: 220469-10.01

DVR Number: AQ-2023-0047

This report summarizes the review of analytical results for 95 soil samples, 63 sediment samples, six field duplicate and six rinse blank samples collected in September 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey.

Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method (SM) 2540G
- Moisture content (MC) by ASTM D2216
- Density by SM2937
- Specific gravity by ASTM D1429

Sample IDs associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Six equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs. Results from two rinse blanks were rejected and not useable due to surrogate failure. All other results were below detection.

Field Duplicates

Six field duplicates were collected in association with these sample sets. Detected results in the remaining are summarized in Table 1. Results that were less than two times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate relative percent difference) RPD values were assessed by the 50% RPD value listed in the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	RB-E-040-88- 220915-00-01	RB-E-040-88- BD0001	RPD	Difference	Difference CL
Total solids	69.7 %	69.2 %	1%	--	--
Aroclor 1260	3620 µg/kg	5720 µg/kg	45%	--	--
Aroclor 1254	1070 µg/kg	1480 µg/kg	32%	--	--

Analyte	RB-E-057-77-220916-00-01	RB-E-057-77-BD0001	RPD	Difference	Difference CL
Total solids	87.3 %	85 %	3%	--	--
Aroclor 1260	1640 µg/kg	2450 µg/kg	40%	--	--
Aroclor 1254	376 µg/kg	530 µg/kg	34%	--	--

Analyte	RB-E-064-16-220919-00-01	RB-E-064-16-BD0001	RPD	Difference	Difference CL
Total solids	75.1 %	76.1 %	1%	--	--
Aroclor 1260	5820 µg/kg	7740 µg/kg	28%	--	--
Aroclor 1254	2380 µg/kg	3000 µg/kg	23%	--	--

Analyte	SE-060-66-E-220919-0.5-01	SE-060-66-E-BD0001	RPD	Difference	Difference CL
Total organic carbon	8100J mg/kg	4960J mg/kg	48%	--	--
Total solids	77.8 %	88.6 %	13%	--	--
Aroclor 1254	1340J µg/kg	695J µg/kg	63%	--	--
Aroclor 1260	1090 µg/kg	586 µg/kg	60%	--	--

Analyte	RB-W-052-68-220916-00-01	RB-W-052-68-BD0001	RPD	Difference	Difference CL
Total solids	76.5 %	75.2 %	2%	--	--
Aroclor 1260	3460 µg/kg	2860 µg/kg	19%	--	--
Aroclor 1254	832 µg/kg	754 µg/kg	10%	--	--

Analyte	SE-053-14-E-220916-00-0.5	SE-053-14-E-BD0001	RPD	Difference	Difference CL
Total organic carbon	58700J mg/kg	1960J mg/kg	187%	--	--
Total solids	67.90%	74.70%	10%	--	--
Aroclor 1254	397 µg/kg	346 µg/kg	14%	--	--
Aroclor 1260	1380J µg/kg	510J µg/kg	92%	--	--

Notes:

µg/kg: microgram per kilogram

CL: control limit

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when the other surrogate was within project limits. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD52275 –
 - Decachlorobiphenyl (DCB) recovered below the control limit and below 10% in both columns of the analysis of rinse blank RB-2209161334. Since the other surrogate recovered within control limits, associated results have been rejected "R" to indicate a potentially low bias.
 - DCB recovered below the control limit in both columns of the analysis of RB-2209161406. Since the other surrogate recovered within control limits, associated results have been qualified "UJ" to indicate a low bias.
- SDG JD52400 – DCB recovered above the control limit in the second column analysis of SE-058-17-W-220916-1.5-1.86. The result was reported from the second column and the Aroclor 1260 result has been qualified "J" to indicate a potentially high bias.

Column Confirmation Results

Second column confirmation results were within method requirements for detected results with the following exceptions.

- JD52400 – Aroclor 1254 for samples SE-055-67-W-220916-0.5-01 and SE-058-17-W-220916-01-1.5 had RPDs above the control limit. The reported results have been qualified "J" to indicate it is estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions:

- Aroclor 1016 in batches OP42021 and OP42022 recovered above the control limit in the LCS. All associated sample results were not detectable, so no qualifications were necessary.
- Aroclor 1016 and 1260 in batch OP42117 recovered below the control limit in the LCS and the LCS/LCSD RPD values were outside the control limit. Associated sample results were already rejected due to surrogate failure so no further qualification was needed.
- Aroclor 1016 recovered above the control limit in batch OP42096. Associated detected sample results were qualified "J" to indicate a possible bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequency. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD52399-
 - TOC recovered below the control limit in the MSD analyzed on sample SE-060-66-E-220919-01-1.5 in batch GP42699 and below the control limit in sample SE-065-69-C-220920-00-0.5 in the MS and MSD in batch GP42766. Associated sample results were qualified "J" to indicate a possible bias.
- SDG JD52400 –
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample SE-048-18-C-220916-0.5-01. Associated sample results were below detection, so no data were qualified.
 - Aroclor 1260 recovered above the control limit in the MSD analyzed on sample SE-053-14-E-220916-0.5-01. Associated sample results were qualified "J" to indicate a possible high bias.
 - TOC recovered below the control limit in the MSD analyzed on sample SE-058-17-C-220916-0.5-01 in batch GP42699. Associated sample results were qualified "J" to indicate a possible bias.
 - TOC recovered above the control limit in the MSD in sample SE-053-14-E-220916-0.5-01 in batch GP42673. Associated sample results were qualified "J" to indicate a possible bias. Sample SE-053-14-C-220916-0.5-01 was not qualified since the associated MS and MSD were within control.
 - TOC recovered below the control limit in the MS in in sample SE-048-18-E-220916-0.5-01 in batch GP42664. Associated sample results were qualified "J" to indicate a possible bias.
- SDG JD52277 –
 - Aroclor 1016 recovered above the control limit in the MS analyzed on sample RB-W-041-33-220915-00-01. Associated sample results were below detection, so no data were qualified.
 - Aroclor 1016 did not recover in sample RB-W-043-98-220915-00-01. Associated sample results were rejected since they were below detection.
- SDG JD52276 –
 - Aroclor 1016 recovered above the control limit in the MS analyzed on sample RB-E-061-81-220919-00-01 and the MS and MSD analyzed on sample RB-E-069-94-220919-00-01. Associated sample results were below detection, so no data were qualified.

- SDG JD52275 –
 - Aroclor 1016 recovered above the control limit in the MS analyzed on sample RB-E-048-82-220916-00-01 and the MSD analyzed on sample RB-W-055-37-220916-00-01. Associated sample results were below detection, so no data were qualified.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Fourteen results in two rinse blanks were rejected due to a very low surrogate recovery, and four Aroclor results were rejected due to no recovery. Completeness was greater than 99%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- | | |
|----|--|
| U | Indicates the compound or analyte was analyzed for but not detected at or above the specified limit. |
| J | Indicates an estimated value. |
| UJ | Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated. |
| R | Indicates result is rejected and unusable |

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2209161334	PCBs	Aroclor 1260	0.4U ug/L	R	Surrogate %R below 10%
		Aroclor 1254	0.4U ug/L	R	
		Aroclor 1221	0.4U ug/L	R	
		Aroclor 1232	0.4U ug/L	R	
		Aroclor 1248	0.4U ug/L	R	
		Aroclor 1016	0.4U ug/L	R	
		Aroclor 1242	0.4U ug/L	R	
RB-2209191358	PCBs	Aroclor 1260	0.4U ug/L	R	Surrogate %R below 10%
		Aroclor 1254	0.4U ug/L	R	
		Aroclor 1221	0.4U ug/L	R	
		Aroclor 1232	0.4U ug/L	R	
		Aroclor 1248	0.4U ug/L	R	
		Aroclor 1016	0.4U ug/L	R	
		Aroclor 1242	0.4U ug/L	R	
RB-W-043-98-220915-00-01	PCBs	Aroclor 1221	43U µg/kg	R	No MS %R
		Aroclor 1232	43U µg/kg	R	
		Aroclor 1016	43U µg/kg	R	
		Aroclor 1242	43U µg/kg	R	
SE-048-18-C-220916-01-1.5	Conventionals	TOC	1060 mg/kg	1060J mg/kg	MS %R below CL
SE-048-18-E-220916-0.5-01	Conventionals	TOC	1950 mg/kg	1950J mg/kg	MS %R below CL
SE-048-18-E-220916-00-0.5	Conventionals	TOC	1490 mg/kg	1490J mg/kg	MS %R below CL
SE-048-18-E-220916-01-1.5	Conventionals	TOC	10300 mg/kg	10300J mg/kg	MS %R below CL
SE-048-18-E-220916-1.5-1.9	Conventionals	TOC	1890 mg/kg	1890J mg/kg	MS %R below CL
SE-048-18-W-220916-0.5-01	Conventionals	TOC	2310 mg/kg	2310J mg/kg	MS %R below CL
SE-048-18-W-220916-00-0.5	Conventionals	TOC	23300 mg/kg	23300J mg/kg	MS %R below CL
SE-048-18-W-220916-01-1.5	Conventionals	TOC	13800 mg/kg	13800J mg/kg	MS %R below CL
SE-048-18-W-220916-1.5-1.75	Conventionals	TOC	34900 mg/kg	34900J mg/kg	MS %R below CL
	PCBs	Aroclor 1242	9130 µg/kg	9130J µg/kg	LCS %R above CL
SE-050-67-C-220916-0.5-0.91	Conventionals	TOC	1130 mg/kg	1130J mg/kg	MS %R below CL
SE-050-67-C-220916-00-0.5	Conventionals	TOC	5620 mg/kg	5620J mg/kg	MS or MSD %R above CL
SE-050-67-E-220916-0.5-01	Conventionals	TOC	5310 mg/kg	5310J mg/kg	MS or MSD %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-050-67-E-220916-00-0.5	Conventionals	TOC	4800 mg/kg	4800J mg/kg	MS or MSD %R above CL
SE-050-67-E-220916-01-1.35	Conventionals	TOC	3750 mg/kg	3750J mg/kg	MS or MSD %R above CL
SE-053-14-C-220916-00-0.5	Conventionals	TOC	11600 mg/kg	11600J mg/kg	MS or MSD %R above CL
SE-053-14-C-220916-01-1.5	Conventionals	TOC	60900 mg/kg	60900J mg/kg	MS or MSD %R above CL
SE-053-14-C-220916-1.5-1.88	Conventionals	TOC	45300 mg/kg	45300J mg/kg	MS or MSD %R above CL
SE-053-14-E-220916-0.5-01	Conventionals	TOC	22000 mg/kg	22000J mg/kg	MS or MSD %R above CL
SE-053-14-E-220916-0.5-01	PCBs	Aroclor 1260	260 µg/kg	260J µg/kg	MS %R and MS/MSD RPD above CL
		Aroclor 1254	127 µg/kg	127J µg/kg	
SE-053-14-E-220916-00-0.5	Conventionals	TOC	58700 mg/kg	58700J mg/kg	MS or MSD %R above CL, FD above CL
	PCBs	Aroclor 1260	1380 µg/kg	1380J µg/kg	FD RPD above CL
SE-053-14-E-220916-01-1.5	Conventionals	TOC	4370 mg/kg	4370J mg/kg	MS or MSD %R above CL
SE-053-14-E-220916-1.5-1.95	Conventionals	TOC	3260 mg/kg	3260J mg/kg	MS or MSD %R above CL
SE-053-14-E-BD0001	Conventionals	TOC	1960 mg/kg	1960J mg/kg	MS or MSD %R above CL, FD above CL
	PCBs	Aroclor 1260	510 µg/kg	510J µg/kg	FD RPD above CL
SE-053-14-W-220916-0.5-01	Conventionals	TOC	5010 mg/kg	5010J mg/kg	MS or MSD %R above CL
SE-053-14-W-220916-00-0.5	Conventionals	TOC	3310 mg/kg	3310J mg/kg	MS or MSD %R above CL
SE-053-14-W-220916-01-1.5	Conventionals	TOC	11100 mg/kg	11100J mg/kg	MS or MSD %R above CL
SE-053-14-W-220916-1.5-1.63	Conventionals	TOC	844 mg/kg	844J mg/kg	MS or MSD %R above CL
SE-055-67-W-220916-0.5-01	Conventionals	TOC	5270 mg/kg	5270J mg/kg	MS or MSD %R above CL
	PCBs	Aroclor 1254	2490 µg/kg	2490J µg/kg	Column Confirmation RPD above CL
SE-055-67-W-220916-00-0.5	Conventionals	TOC	7880 mg/kg	7880J mg/kg	MS or MSD %R above CL
SE-055-67-W-220916-01-1.5	Conventionals	TOC	7430 mg/kg	7430J mg/kg	MS or MSD %R above CL
SE-058-17-C-220916-0.5-01	Conventionals	TOC	2260 mg/kg	2260J mg/kg	MS and MSD %R below CL
SE-058-17-C-220916-00-0.5	Conventionals	TOC	1390 mg/kg	1390J mg/kg	MS and MSD %R below CL
SE-058-17-C-220916-01-1.5	Conventionals	TOC	30400 mg/kg	30400J mg/kg	MS and MSD %R below CL
SE-058-17-C-220916-1.5-1.7	Conventionals	TOC	2070 mg/kg	2070J mg/kg	MS and MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-058-17-E-220916-0.5-01	Conventionals	TOC	3820 mg/kg	3820J mg/kg	MS and MSD %R below CL
SE-058-17-E-220916-00-0.5	Conventionals	TOC	927 mg/kg	927J mg/kg	MS and MSD %R below CL
SE-058-17-E-220916-01-1.49	Conventionals	TOC	6230 mg/kg	6230J mg/kg	MS and MSD %R below CL
SE-058-17-W-220916-0.5-01	Conventionals	TOC	1860 mg/kg	1860J mg/kg	MS and MSD %R below CL
SE-058-17-W-220916-00-0.5	Conventionals	TOC	1840 mg/kg	1840J mg/kg	MS and MSD %R below CL
SE-058-17-W-220916-01-1.5	Conventionals	TOC	975 mg/kg	975J mg/kg	MS and MSD %R below CL
	PCBs	Aroclor 1254	62.3 µg/kg	62.3J µg/kg	Column Confirmation RPD above CL
SE-058-17-W-220916-1.5-1.86	Conventionals	TOC	1730 mg/kg	1730J mg/kg	MS and MSD %R below CL
	PCBs	Aroclor 1260	331 µg/kg	331J µg/kg	Surrogate %R above CL
SE-060-66-C-220919-0.5-01	Conventionals	TOC	8750 mg/kg	8750J mg/kg	MSD %R below CL
SE-060-66-C-220919-00-0.5	Conventionals	TOC	3650 mg/kg	3650J mg/kg	MSD %R below CL
SE-060-66-C-220919-01-1.41	Conventionals	TOC	867 mg/kg	867J mg/kg	MSD %R below CL
SE-060-66-E-220919-0.5-01	Conventionals	TOC	8100 mg/kg	8100J mg/kg	MSD %R below CL
	PCBs	Aroclor 1260	1090 µg/kg	1090J µg/kg	FD RPD above CL
		Aroclor 1254	1340 µg/kg	1340J µg/kg	
SE-060-66-E-220919-00-0.5	Conventionals	TOC	2450 mg/kg	2450J mg/kg	MSD %R below CL
SE-060-66-E-220919-01-1.5	Conventionals	TOC	1140 mg/kg	1140J mg/kg	MSD %R below CL
SE-060-66-E-BD0001	Conventionals	TOC	4960 mg/kg	4960J mg/kg	MSD %R below CL
	PCBs	Aroclor 1260	586 µg/kg	586J µg/kg	FD RPD above CL
		Aroclor 1254	695 µg/kg	695J µg/kg	
SE-060-66-W-220919-0.5-01	Conventionals	TOC	2220 mg/kg	2220J mg/kg	MSD %R below CL
SE-060-66-W-220919-00-0.5	Conventionals	TOC	1810 mg/kg	1810J mg/kg	MSD %R below CL
SE-060-66-W-220919-01-1.3	Conventionals	TOC	1500 mg/kg	1500J mg/kg	MS and MSD %R below CL
SE-063-17-C-220919-0.5-01	Conventionals	TOC	8010 mg/kg	8010J mg/kg	MS and MSD %R below CL
SE-063-17-C-220919-00-0.5	Conventionals	TOC	11900 mg/kg	11900J mg/kg	MS and MSD %R below CL
SE-063-17-C-220919-01-1.5	Conventionals	TOC	978 mg/kg	978J mg/kg	MS and MSD %R below CL
SE-063-17-C-220919-1.5-1.65	Conventionals	TOC	448 mg/kg	448J mg/kg	MS and MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-063-17-E-220919-0.5-01	Conventionals	TOC	5550 mg/kg	5550J mg/kg	MS and MSD %R below CL
SE-063-17-E-220919-00-0.5	Conventionals	TOC	74600 mg/kg	74600J mg/kg	MS and MSD %R below CL
SE-063-17-E-220919-01-1.5	Conventionals	TOC	1390 mg/kg	1390J mg/kg	MS and MSD %R below CL
SE-063-17-E-220919-1.5-1.7	Conventionals	TOC	1550 mg/kg	1550J mg/kg	MS and MSD %R below CL
SE-063-17-W-220919-0.5-01	Conventionals	TOC	983 mg/kg	983J mg/kg	MS and MSD %R below CL
SE-063-17-W-220919-00-0.5	Conventionals	TOC	2000 mg/kg	2000J mg/kg	MS and MSD %R below CL
SE-063-17-W-220919-01-1.5	Conventionals	TOC	2070 mg/kg	2070J mg/kg	MS and MSD %R below CL

Notes:
%R: percent recovery
CL: control limit

References

- Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.
- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.
- EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-047-32-220916-00-01	JD52275-1	JD52275	Soil	Total solids, PCBs
RB-E-047-82-220916-00-01	JD52275-2	JD52275	Soil	Total solids, PCBs
RB-E-048-82-220916-00-01	JD52275-3	JD52275	Soil	Total solids, PCBs
RB-E-049-33-220916-00-01	JD52275-4	JD52275	Soil	Total solids, PCBs
RB-E-049-84-220916-00-01	JD52275-5	JD52275	Soil	Total solids, PCBs
RB-E-050-46-220916-00-01	JD52275-6	JD52275	Soil	Total solids, PCBs
RB-E-050-96-220916-00-01	JD52275-7A	JD52275	Soil	Moisture, grain size, total solids, PCBs
RB-E-051-41-220916-00-01	JD52275-8	JD52275	Soil	Total solids, PCBs
RB-E-051-88-220916-00-01	JD52275-9	JD52275	Soil	Total solids, PCBs
RB-E-052-44-220916-00-01	JD52275-10	JD52275	Soil	Total solids, PCBs
RB-E-052-85-220916-00-01	JD52275-12	JD52275	Soil	Total solids, PCBs
RB-E-057-77-220916-00-01	JD52275-13	JD52275	Soil	Total solids, PCBs
RB-E-057-77-BD0001	JD52275-14	JD52275	Soil	Total solids, PCBs
RB-E-058-80-220916-00-01	JD52275-15A	JD52275	Soil	Moisture, grain size, total solids, PCBs
RB-W-049-53-220916-00-01	JD52275-16	JD52275	Soil	Total solids, PCBs
RB-W-049-99-220916-00-01	JD52275-17	JD52275	Soil	Total solids, PCBs
RB-W-051-14-220916-00-01	JD52275-19	JD52275	Soil	Total solids, PCBs
RB-W-051-64-220916-00-01	JD52275-20A	JD52275	Soil	Moisture, density, grain size, specific gravity, total solids, PCBs
RB-W-052-18-220916-00-01	JD52275-21	JD52275	Soil	Total solids, PCBs
RB-W-052-68-220916-00-01	JD52275-22	JD52275	Soil	Total solids, PCBs
RB-W-052-68-BD0001	JD52275-23	JD52275	Soil	Total solids, PCBs
RB-W-053-45-220916-00-01	JD52275-24A	JD52275	Soil	Moisture, grain size, total solids, PCBs
RB-W-054-25-220916-00-01	JD52275-25	JD52275	Soil	Total solids, PCBs
RB-W-054-82-220916-00-01	JD52275-26	JD52275	Soil	Total solids, PCBs
RB-W-055-37-220916-00-01	JD52275-27	JD52275	Soil	Total solids, PCBs
RB-W-055-87-220916-00-01	JD52275-28	JD52275	Soil	Total solids, PCBs
RB-W-056-29-220916-00-01	JD52275-29	JD52275	Soil	Total solids, PCBs
RB-W-056-88-220916-00-01	JD52275-30	JD52275	Soil	Total solids, PCBs
RB-W-058-20-220916-00-01	JD52275-31	JD52275	Soil	Total solids, PCBs
RB-W-058-66-220916-00-01	JD52275-32	JD52275	Soil	Total solids, PCBs
RB-W-059-19-220916-00-01	JD52275-33	JD52275	Soil	Total solids, PCBs
RB-W-059-93-220916-00-01	JD52275-34	JD52275	Soil	Total solids, PCBs
RB-W-060-44-220916-00-01	JD52275-35	JD52275	Soil	Total solids, PCBs
RB-W-060-98-220916-00-01	JD52275-36	JD52275	Soil	Total solids, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-061-50-220916-00-01	JD52275-37	JD52275	Soil	Total solids, PCBs
RB-W-061-76-220916-00-01	JD52275-38	JD52275	Soil	Total solids, PCBs
RB-2209161334	JD52275-18	JD52275	Water	PCBs
RB-2209161406	JD52275-11	JD52275	Water	PCBs
RB-E-060-41-220919-00-01	JD52276-1	JD52276	Soil	Total solids, PCBs
RB-E-060-86-220919-00-01	JD52276-3	JD52276	Soil	Total solids, PCBs
RB-E-061-34-220919-00-01	JD52276-4	JD52276	Soil	Total solids, PCBs
RB-E-061-81-220919-00-01	JD52276-5	JD52276	Soil	Total solids, PCBs
RB-E-062-27-220919-00-01	JD52276-6	JD52276	Soil	Total solids, PCBs
RB-E-062-73-220919-00-01	JD52276-7	JD52276	Soil	Total solids, PCBs
RB-E-063-22-220919-00-01	JD52276-8	JD52276	Soil	Total solids, PCBs
RB-E-063-70-220919-00-01	JD52276-9A	JD52276	Soil	Moisture, grain size, total solids, PCBs
RB-E-064-16-220919-00-01	JD52276-10	JD52276	Soil	Total solids, PCBs
RB-E-064-16-BD0001	JD52276-11	JD52276	Soil	Total solids, PCBs
RB-E-064-70-220919-00-01	JD52276-12	JD52276	Soil	Total solids, PCBs
RB-E-065-23-220919-00-01	JD52276-13	JD52276	Soil	Total solids, PCBs
RB-E-065-68-220919-00-01	JD52276-14	JD52276	Soil	Total solids, PCBs
RB-E-066-10-220919-00-01	JD52276-15	JD52276	Soil	Total solids, PCBs
RB-E-066-48-220919-00-01	JD52276-16	JD52276	Soil	Total solids, PCBs
RB-E-067-38-220919-00-01	JD52276-17	JD52276	Soil	Total solids, PCBs
RB-E-067-92-220919-00-01	JD52276-18	JD52276	Soil	Total solids, PCBs
RB-E-068-42-220919-00-01	JD52276-19	JD52276	Soil	Total solids, PCBs
RB-E-068-93-220919-00-01	JD52276-20	JD52276	Soil	Total solids, PCBs
RB-E-069-45-220919-00-01	JD52276-21	JD52276	Soil	Total solids, PCBs
RB-E-069-94-220919-00-01	JD52276-22A	JD52276	Soil	Moisture, grain size, total solids, PCBs
RB-E-070-48-220919-00-01	JD52276-23	JD52276	Soil	Total solids, PCBs
RB-W-062-28-220919-00-01	JD52276-24	JD52276	Soil	Total solids, PCBs
RB-W-062-84-220919-00-01	JD52276-25	JD52276	Soil	Total solids, PCBs
RB-W-063-32-220919-00-01	JD52276-26A	JD52276	Soil	Moisture, grain size, total solids, PCBs
RB-W-063-88-220919-00-01	JD52276-27	JD52276	Soil	Total solids, PCBs
RB-W-064-32-220919-00-01	JD52276-28	JD52276	Soil	Total solids, PCBs
RB-W-064-76-220919-00-01	JD52276-29	JD52276	Soil	Total solids, PCBs
RB-W-065-19-220919-00-01	JD52276-30	JD52276	Soil	Total solids, PCBs
RB-W-065-47-220919-00-01	JD52276-31	JD52276	Soil	Total solids, PCBs
RB-W-066-80-220919-00-01	JD52276-32	JD52276	Soil	Total solids, PCBs
RB-W-067-25-220919-00-01	JD52276-33	JD52276	Soil	Total solids, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-067-73-220919-00-01	JD52276-34	JD52276	Soil	Total solids, PCBs
RB-2209191358	JD52276-2	JD52276	Water	PCBs
RB-E-038-06-220915-00-01	JD52277-1	JD52277	Soil	Total solids, PCBs
RB-E-038-79-220915-00-01	JD52277-2	JD52277	Soil	Total solids, PCBs
RB-E-039-20-220915-00-01	JD52277-3	JD52277	Soil	Total solids, PCBs
RB-E-039-50-220915-00-01	JD52277-4	JD52277	Soil	Total solids, PCBs
RB-E-040-88-220915-00-01	JD52277-5	JD52277	Soil	Total solids, PCBs
RB-E-040-88-BD0001	JD52277-6	JD52277	Soil	Total solids, PCBs
RB-E-041-46-220915-00-01	JD52277-7	JD52277	Soil	Total solids, PCBs
RB-E-041-92-220915-00-01	JD52277-8	JD52277	Soil	Total solids, PCBs
RB-E-042-38-220915-00-01	JD52277-9	JD52277	Soil	Total solids, PCBs
RB-E-042-86-220915-00-01	JD52277-10A	JD52277	Soil	Moisture, grain size, total solids, PCBs
RB-E-043-37-220915-00-01	JD52277-11	JD52277	Soil	Total solids, PCBs
RB-E-044-03-220915-00-01	JD52277-12	JD52277	Soil	Total solids, PCBs
RB-E-044-57-220915-00-01	JD52277-13	JD52277	Soil	Total solids, PCBs
RB-E-045-09-220915-00-01	JD52277-14A	JD52277	Soil	Moisture, grain size, total solids, PCBs
RB-E-045-60-220915-00-01	JD52277-15	JD52277	Soil	Total solids, PCBs
RB-E-046-09-220915-00-01	JD52277-16	JD52277	Soil	Total solids, PCBs
RB-E-046-54-220915-00-01	JD52277-17	JD52277	Soil	Total solids, PCBs
RB-W-041-33-220915-00-01	JD52277-18	JD52277	Soil	Total solids, PCBs
RB-W-041-84-220915-00-01	JD52277-19	JD52277	Soil	Total solids, PCBs
RB-W-042-40-220915-00-01	JD52277-20	JD52277	Soil	Total solids, PCBs
RB-W-043-98-220915-00-01	JD52277-21A	JD52277	Soil	Moisture, grain size, total solids, PCBs
RB-W-044-43-220915-00-01	JD52277-22	JD52277	Soil	Total solids, PCBs
RB-W-044-89-220915-00-01	JD52277-24	JD52277	Soil	Total solids, PCBs
RB-W-045-38-220915-00-01	JD52277-25	JD52277	Soil	Total solids, PCBs
RB-W-046-12-220915-00-01	JD52277-26	JD52277	Soil	Total solids, PCBs
RB-W-046-68-220915-00-01	JD52277-27	JD52277	Soil	Total solids, PCBs
RB-W-047-15-220915-00-01	JD52277-28	JD52277	Soil	Total solids, PCBs
RB-W-047-62-220915-00-01	JD52277-29	JD52277	Soil	Total solids, PCBs
RB-W-048-12-220915-00-01	JD52277-30	JD52277	Soil	Total solids, PCBs
RB-W-049-07-220915-00-01	JD52277-31	JD52277	Soil	Total solids, PCBs
RB-2209151433	JD52277-23	JD52277	Water	PCBs
SE-060-66-C-220919-0.5-01	JD52399-1	JD52399	Sediment	Total solids, TOC, PCBs
SE-060-66-C-220919-00-0.5	JD52399-2	JD52399	Sediment	Total solids, TOC, PCBs
SE-060-66-C-220919-01-1.41	JD52399-3	JD52399	Sediment	Total solids, TOC, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-060-66-E-220919-0.5-01	JD52399-5	JD52399	Sediment	Total solids, TOC, PCBs
SE-060-66-E-220919-00-0.5	JD52399-6	JD52399	Sediment	Total solids, TOC, PCBs
SE-060-66-E-220919-01-1.5	JD52399-7	JD52399	Sediment	Total solids, TOC, PCBs
SE-060-66-E-BD0001	JD52399-8	JD52399	Sediment	Total solids, TOC, PCBs
SE-060-66-W-220919-0.5-01	JD52399-9	JD52399	Sediment	Total solids, TOC, PCBs
SE-060-66-W-220919-00-0.5	JD52399-10	JD52399	Sediment	Total solids, TOC, PCBs
SE-060-66-W-220919-01-1.3	JD52399-11	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-C-220919-0.5-01	JD52399-12	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-C-220919-00-0.5	JD52399-13	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-C-220919-01-1.5	JD52399-14	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-C-220919-1.5-1.65	JD52399-15	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-E-220919-0.5-01	JD52399-16	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-E-220919-00-0.5	JD52399-17	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-E-220919-01-1.5	JD52399-18	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-E-220919-1.5-1.7	JD52399-19	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-W-220919-0.5-01	JD52399-20	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-W-220919-00-0.5	JD52399-21	JD52399	Sediment	Total solids, TOC, PCBs
SE-063-17-W-220919-01-1.5	JD52399-22	JD52399	Sediment	Total solids, TOC, PCBs
RB-2209191310	JD52399-4	JD52399	Water	PCBs
SE-048-18-C-220916-0.5-01	JD52400-1	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-C-220916-00-0.5	JD52400-2	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-C-220916-01-1.5	JD52400-3	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-E-220916-0.5-01	JD52400-4	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-E-220916-00-0.5	JD52400-5	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-E-220916-01-1.5	JD52400-6	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-E-220916-1.5-1.9	JD52400-7	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-W-220916-0.5-01	JD52400-8	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-W-220916-00-0.5	JD52400-9	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-W-220916-01-1.5	JD52400-10	JD52400	Sediment	Total solids, TOC, PCBs
SE-048-18-W-220916-1.5-1.75	JD52400-11	JD52400	Sediment	Total solids, TOC, PCBs
SE-050-67-C-220916-0.5-0.91	JD52400-12	JD52400	Sediment	Total solids, TOC, PCBs
SE-050-67-C-220916-00-0.5	JD52400-13	JD52400	Sediment	Total solids, TOC, PCBs
SE-050-67-E-220916-0.5-01	JD52400-14	JD52400	Sediment	Total solids, TOC, PCBs
SE-050-67-E-220916-00-0.5	JD52400-15	JD52400	Sediment	Total solids, TOC, PCBs
SE-050-67-E-220916-01-1.35	JD52400-16	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-C-220916-0.5-01	JD52400-17	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-C-220916-00-0.5	JD52400-18	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-C-220916-01-1.5	JD52400-19	JD52400	Sediment	Total solids, TOC, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-053-14-C-220916-1.5-1.88	JD52400-20	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-E-220916-0.5-01	JD52400-22	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-E-220916-00-0.5	JD52400-23	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-E-220916-01-1.5	JD52400-24	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-E-220916-1.5-1.95	JD52400-25	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-E-BD0001	JD52400-26	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-W-220916-0.5-01	JD52400-27	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-W-220916-00-0.5	JD52400-28	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-W-220916-01-1.5	JD52400-29	JD52400	Sediment	Total solids, TOC, PCBs
SE-053-14-W-220916-1.5-1.63	JD52400-30	JD52400	Sediment	Total solids, TOC, PCBs
SE-055-67-W-220916-0.5-01	JD52400-31	JD52400	Sediment	Total solids, TOC, PCBs
SE-055-67-W-220916-00-0.5	JD52400-32	JD52400	Sediment	Total solids, TOC, PCBs
SE-055-67-W-220916-01-1.5	JD52400-33	JD52400	Sediment	Total solids, TOC, PCBs
SE-055-67-W-G-220916-00-1.58	JD52400-34	JD52400	Sediment	Moisture, density, grain size
SE-058-17-C-220916-0.5-01	JD52400-35	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-C-220916-00-0.5	JD52400-36	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-C-220916-01-1.5	JD52400-37	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-C-220916-1.5-1.7	JD52400-38	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-E-220916-0.5-01	JD52400-39	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-E-220916-00-0.5	JD52400-40	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-E-220916-01-1.49	JD52400-41	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-W-220916-0.5-01	JD52400-42	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-W-220916-00-0.5	JD52400-43	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-W-220916-01-1.5	JD52400-44	JD52400	Sediment	Total solids, TOC, PCBs
SE-058-17-W-220916-1.5-1.86	JD52400-45	JD52400	Sediment	Total solids, TOC, PCBs
RB-2209161428	JD52400-21	JD52400	Water	PCBs

Data Validation Report – EPA Stage 2A

March 29, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0055

This report summarizes the review of analytical results for 90 soil samples, 121 sediment samples, 11 field duplicate samples, and 11 equipment rinsate blanks collected in September 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Eleven equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and seven were analyzed for TOC. All results were below detection.

Field Duplicates

Eleven field duplicates were collected in association with these sample sets. Detected results in the remaining are summarized in Table 1. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD limit listed in the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-043-16-C- 220915-00-0.5	SE-043-16-C- BD0001	RPD
TOC	2700 mg/kg	1810 mg/kg	39%
TS	91%	89%	2%
Aroclor 1254	256 µg/kg	245 µg/kg	4%
Aroclor 1260	661 µg/kg	762 µg/kg	14%

Analyte	SE-045-68-E- 220915-0.5-01	SE-045-68-E- BD0001	RPD
TOC	4670 mg/kg	2920 mg/kg	46%
TS	84.1%	84.1%	0%
Aroclor 1254	228 µg/kg	219 µg/kg	4%
Aroclor 1260	765 µg/kg	884 µg/kg	14%

Analyte	SE-075-71-C- 220921-0.5-01	SE-075-71-C- BD0001	RPD
TOC	1670 mg/kg	2250 mg/kg	30%
TS	85.3%	82.9%	3%

Analyte	SE-078-22-E- 220921-0.5-01	SE-078-22-E- BD0001	RPD
TOC	8300 mg/kg	20200 mg/kg	84%
TS	85.3%	84.3%	1%
Aroclor 1254	618 µg/kg	4270 µg/kg	149%
Aroclor 1260	995 µg/kg	6010 µg/kg	143%

Analyte	SE-083-54-C- 220921-01-1.34	SE-083-54-C- BD0001	RPD
TOC	611 mg/kg	748 mg/kg	20%
TS	87%	89%	2%

Analyte	RB-E-103-93- 220921-00-01	RB-E-103-93- BD0001	RPD
TS	73.7%	67.3%	9%
Aroclor 1254	1570 µg/kg	1840 µg/kg	16%
Aroclor 1260	5020 µg/kg	5850 µg/kg	15%

Analyte	RB-W-083-93- 220921-00-01	RB-W-083-93- BD0001	RPD
TS	77.2%	70.6%	9%
Aroclor 1254	1600 µg/kg	2490 µg/kg	44%
Aroclor 1260	4920 µg/kg	6950 µg/kg	34%

Analyte	RB-E-078-84-220920-00-01	RB-E-078-84-BD0001	RPD
TS	72.6%	57.5%	23%
Aroclor 1254	2960 µg/kg	2860 µg/kg	3%
Aroclor 1260	13300 µg/kg	7400 µg/kg	57%

Analyte	RB-W-071-08-220920-00-01	RB-W-071-08-BD0001	RPD
TS	70.9%	70.3%	1%
Aroclor 1254	1090 µg/kg	809 µg/kg	30%
Aroclor 1260	5060 µg/kg	3140 µg/kg	47%

Analyte	SE-065-69-C-220920-0.5-01	SE-065-69-C-BD0001	RPD
TOC	11500 mg/kg	9500 mg/kg	19%
TS	86.8%	76.3%	13%
Aroclor 1254	7530 µg/kg	1180 µg/kg	146%
Aroclor 1260	39300 µg/kg	9280 µg/kg	124%

Analyte	SE-073-21-C-220920-00-0.5	SE-073-21-C-BD0001	RPD
TOC	27300 mg/kg	8140 mg/kg	108%
TS	78.3%	81.4%	4%
Aroclor 1254	1560 µg/kg	2790 µg/kg	57%
Aroclor 1260	14100 µg/kg	49400 µg/kg	111%

Notes:

µg/kg: microgram per kilogram

CL: control limit

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however;

data are not qualified for surrogate outliers in QC samples alone. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD52416
 - Decachlorobiphenyl (DCB) recovered below the control limit in the analysis of sample RB-2209211505 and RB-2209211445. The sample results were qualified "UJ" to indicate a potentially low bias.
- SDG JD52419
 - DCB and Tetrachloro-m-xylene (TMX) recovered below the control limit for samples SE-075-71-C-BD0001 and SE-075-71-W-220921-0.5-01. All sample results were qualified "UJ" to indicate a potentially low bias.
 - DCB recovered above the control limit in the second column analysis of sample SE-083-54-E-220921-01-1.5. The Aroclor 1254 result was qualified "J" to indicate a potentially high bias.
- SDG JD52421
 - DCB recovered below 10% for sample RB-2209201425. The sample results have been rejected due to recovering less than 10%.
 - TMX recovered above the control limit in the first column analysis of sample RB-W-077-35-220920-00-01. The detected sample results have been qualified "J" to indicate a potentially high bias.
 - TMX and DCB recovered above the control limit for both columns in the 2x dilution analysis of sample RB-W-078-80-220920-00-01. The Aroclor 1260 result has been qualified "J" to indicate a potentially high bias.

Column Confirmation Results

Second column confirmation results were within method requirements for detected results with the following exceptions:

- SDG JD52404 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-045-68-C-220915-0.5-01, SE-040-65-E-220915-0.5-01, SE-040-65-E-220915-01-1.5, and SE-040-65-E-220915-1.5-1.6. The Aroclor 1254 results have been qualified "J" as estimated.
- SDG JD5422 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-070-71-C-220920-1.5-1.86, SE-073-21-C-220920-00-0.5, SE-073-21-C-220920-01-1.5, SE-073-21-C-220920-1.5-1.75, SE-073-21-BD0001, SE-073-21-E-220920-00-0.5, and SE-073-21-W-220920-00-0.5. The Aroclor 1254 results have been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions:

- Aroclor Batch OP42037 – The Aroclor 1260 LCS/LCSD RPD value was above the control limit. The associated rinse blank results were not detected, and no qualifications were necessary.
- Aroclor Batch OP42717 – Aroclor 1260 LCS recovered above the control limit. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP42106 – Aroclor 1260 LCS recovered above the control limit. All detected results were qualified "J" to indicate a potentially high bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequency. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits when native sample concentration were not detected. The recoveries and/or RPD values were within project-required control limits with the following exceptions:

- Aroclor Batch OP42099
 - Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample SE-045-68-E-220915-01-1.5. Additionally, the RPD between the MS and MSD was above the control limit. Due to this, the associated detected parent sample results were qualified "J".
- Aroclor Batch OP42107
 - Aroclor 1260 recovered above the control limit in the MS analyzed on sample SE-065-69-C-220920-00-0.5. Additionally, the RPD between the MS and MSD was elevated. Due to this, the associated detected parent sample results were qualified "J".
- TOC Batch GP42636
 - TOC recovered below the control limit in the MSD analyzed on sample SE-045-68-E-220915-01-1.5. Additionally, the MS/MSD RPD value was above the control limit. Associated batch sample results have been qualified "J". The TOC result for sample SE-043-16-W-220915-01-1.5 was not qualified for the MSD recovery or the RPD value since the analyzed MS/MSD recoveries and MS/MSD RPD value performed on this sample were within acceptance limits.
- TOC Batch GP42766
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-065-69-C-220920-00-0.5. Associated batch sample results have been qualified "J". The TOC

result for sample SE-065-69-E-220920-01-1.45 was not qualified for the MS and MSD recoveries since the analyzed MS and MSD recoveries performed on this sample were within acceptance limits.

- TOC Batch GP42792
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-065-69-W-220920-1.5-1.73 and SE-073-21-C-220920-0.5-01. Associated batch sample results have been qualified "J".
- TOC Batch GP42820
 - TOC recovered above the control limit in the MS analyzed on sample SE-080-85-C-220921-0.5-01. Associated batch sample results have been qualified "J". Sample SE-080-85-W-220921-0.5-01 was not qualified for the MS recovery since the analyzed MS performed on this sample was within acceptance limits.
- TOC Batch GP42895
 - TOC recovered below the control limit in the MS analyzed on sample SE-BW5A-1-F-8-220926-00-01 (reported in SDG JD52745). Associated batch sample results have been qualified "J".
- TOC Batch GP42896
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-070-71-E-220920-1.5-1.71. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits with the following exceptions. The RPD value was above the control limit for the Percent passing (hydrometer 2) and Percent passing (hydrometer 3) results for sample RB-E-104-42-220921-00-01 in SDG JD52416. The sample results were qualified "J".

Method Reporting Limits

Method reporting limits were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or

qualified. Seven results in one rinse blank were rejected due to a very low surrogate recovery. Completeness was greater than 99%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-043-16-E-220915-01-1.5	Conventionals	TOC	3020 mg/kg	3020J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-043-16-E-220915-1.5-1.7	Conventionals	TOC	8350 mg/kg	8350J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-043-16-W-220915-0.5-01	Conventionals	TOC	7890 mg/kg	7890J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-043-16-W-220915-00-0.5	Conventionals	TOC	2990 mg/kg	2990J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-043-16-W-220915-1.5-1.65	Conventionals	TOC	17500 mg/kg	17500J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-C-220915-0.5-01	PCBs	Aroclor 1254	216 µg/kg	216J µg/kg	Column confirmation RPD above CL
	Conventionals	TOC	6170 mg/kg	6170J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-C-220915-00-0.5	Conventionals	TOC	2790 mg/kg	2790J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-C-220915-01-1.5	Conventionals	TOC	794 mg/kg	794J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-C-220915-1.5-1.9	Conventionals	TOC	1580 mg/kg	1580J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-E-220915-0.5-01	Conventionals	TOC	4670 mg/kg	4670J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-E-220915-00-0.5	Conventionals	TOC	5830 mg/kg	5830J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-040-65-E-220915-0.5-01	PCBs	Aroclor 1254	205 µg/kg	205J µg/kg	Column confirmation RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-045-68-E-220915-01-1.5	PCBs	Aroclor 1254	194 µg/kg	194J µg/kg	MS/MSD %R above CL; MS/MSD RPD above CL
		Aroclor 1260	539 µg/kg	539J µg/kg	
	Conventionals	TOC	5400 mg/kg	5400J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-E-220915-1.5-02	Conventionals	TOC	10900 mg/kg	10900J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-E-BD0001	Conventionals	TOC	2920 mg/kg	2920J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-W-220915-0.5-01	Conventionals	TOC	10500 mg/kg	10500J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-W-220915-00-0.5	Conventionals	TOC	7660 mg/kg	7660J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-045-68-W-220915-01-1.42	Conventionals	TOC	8690 mg/kg	8690J mg/kg	MSD %R below CL; MS/MSD RPD above CL
SE-040-65-E-220915-01-1.5	PCBs	Aroclor 1254	725 µg/kg	725J µg/kg	Column confirmation RPD above CL
SE-040-65-E-220915-1.5-1.6	PCBs	Aroclor 1254	495 µg/kg	495J µg/kg	Column confirmation RPD above CL
RB-E-104-42-220921-00-01	Conventionals	Percent passing (hydrometer 2)	17%	17J%	LD RPD above CL
	Conventionals	Percent passing (hydrometer 3)	10%	10J%	
SE-075-71-E-220921-1.5-1.68	Conventionals	TOC	798 mg/kg	798J mg/kg	MS and/or MSD %R below CL
SE-075-71-W-220921-0.5-01	PCBs	Aroclor 1016	34U µg/kg	34UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
	Conventionals	TOC	1870 mg/kg	1870J mg/kg	MS and/or MSD %R below CL
SE-075-71-W-220921-00-0.5	Conventionals	TOC	2510 mg/kg	2510J mg/kg	MS and/or MSD %R below CL
SE-075-71-W-220921-01-1.5	Conventionals	TOC	514 mg/kg	514J mg/kg	MS and/or MSD %R below CL
SE-075-71-W-220921-1.5-02	Conventionals	TOC	779 mg/kg	779J mg/kg	MS/MSD %R below CL
SE-078-22-C-220921-0.5-01	Conventionals	TOC	1070 mg/kg	1070J mg/kg	MS and/or MSD %R below CL
SE-078-22-C-220921-00-0.5	Conventionals	TOC	5700 mg/kg	5700J mg/kg	MS and/or MSD %R below CL
SE-078-22-C-220921-01-1.5	Conventionals	TOC	4570 mg/kg	4570J mg/kg	MS and/or MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-078-22-C-220921-1.5-1.78	Conventionals	TOC	815 mg/kg	815J mg/kg	MS and/or MSD %R below CL
SE-075-71-C-220921-0.5-01	Conventionals	TOC	1670 mg/kg	1670J mg/kg	MS and/or MSD %R below CL
SE-078-22-E-220921-0.5-01	PCBs	Aroclor 1254	618 µg/kg	618J µg/kg	FD RPD above CL
		Aroclor 1260	995 µg/kg	995J µg/kg	
	Conventionals	TOC	8300 mg/kg	8300J mg/kg	MS and/or MSD %R below CL; FD RPD above CL
SE-078-22-E-220921-00-0.5	Conventionals	TOC	13500 mg/kg	13500J mg/kg	MS and/or MSD %R below CL
SE-078-22-E-220921-01-1.5	Conventionals	TOC	1650 mg/kg	1650J mg/kg	MS and/or MSD %R below CL
SE-078-22-E-220921-1.5-1.65	Conventionals	TOC	5370 mg/kg	5370J mg/kg	MS and/or MSD %R below CL
SE-078-22-E-BD0001	PCBs	Aroclor 1254	4270 µg/kg	4270J µg/kg	FD RPD above CL
		Aroclor 1260	6010 µg/kg	6010J µg/kg	
	Conventionals	TOC	20200 mg/kg	20200J mg/kg	MS %R above CL; FD RPD above CL
SE-078-22-W-220921-0.5-01	Conventionals	TOC	2350 mg/kg	2350J mg/kg	MS %R above CL
SE-078-22-W-220921-00-0.5	Conventionals	TOC	15900 mg/kg	15900J mg/kg	MS %R above CL
SE-078-22-W-220921-01-1.5	Conventionals	TOC	17800 mg/kg	17800J mg/kg	MS %R above CL
SE-078-22-W-220921-1.5-1.74	Conventionals	TOC	82600 mg/kg	82600J mg/kg	MS %R above CL
SE-080-85-C-220921-0.5-01	Conventionals	TOC	1690 mg/kg	1690J mg/kg	MS %R above CL
SE-075-71-C-220921-00-0.5	Conventionals	TOC	26000 mg/kg	26000J mg/kg	MS and/or MSD %R below CL
SE-080-85-C-220921-00-0.5	Conventionals	TOC	12300 mg/kg	12300J mg/kg	MS %R above CL
SE-080-85-C-220921-01-1.35	Conventionals	TOC	1750 mg/kg	1750J mg/kg	MS %R above CL
SE-080-85-E-220921-0.5-01	Conventionals	TOC	34000 mg/kg	34000J mg/kg	MS %R above CL
SE-080-85-E-220921-00-0.5	Conventionals	TOC	6290 mg/kg	6290J mg/kg	MS %R above CL
SE-080-85-E-220921-01-1.5	Conventionals	TOC	46500 mg/kg	46500J mg/kg	MS %R above CL
SE-080-85-E-220921-1.5-1.77	Conventionals	TOC	2650 mg/kg	2650J mg/kg	MS %R above CL
SE-080-85-W-220921-00-0.5	Conventionals	TOC	1730 mg/kg	1730J mg/kg	MS %R above CL
SE-080-85-W-220921-01-1.5	Conventionals	TOC	27900 mg/kg	27900J mg/kg	MS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-080-85-W-220921-1.5-1.87	Conventionals	TOC	666 mg/kg	666J mg/kg	MS %R above CL
SE-083-54-C-220921-0.5-01	Conventionals	TOC	1200 mg/kg	1200J mg/kg	MS %R above CL
SE-083-54-E-220921-01-1.5	PCBs	Aroclor 1254	3670 µg/kg	3670J µg/kg	Surrogate %R above CL
SE-075-71-C-220921-1.5-1.75	Conventionals	TOC	985 mg/kg	985J mg/kg	MS and/or MSD %R below CL
SE-075-71-C-BD0001	PCBs	Aroclor 1016	35U µg/kg	35UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
	Conventionals	TOC	2250 mg/kg	2250J mg/kg	MS and/or MSD %R below CL
SE-075-71-E-220921-0.5-01	Conventionals	TOC	1190 mg/kg	1190J mg/kg	MS and/or MSD %R below CL
SE-075-71-E-220921-00-0.5	Conventionals	TOC	25400 mg/kg	25400J mg/kg	MS and/or MSD %R below CL
SE-075-71-E-220921-01-1.5	Conventionals	TOC	470 mg/kg	470J mg/kg	MSD %R below CL
RB-E-078-84-220920-00-01	PCBs	Aroclor 1260	13300 µg/kg	13300J µg/kg	FD RPD above CL
RB-E-078-84-BD0001	PCBs	Aroclor 1260	7400 µg/kg	7400J µg/kg	FD RPD above CL
RB-2209201425	PCBs	Aroclor 1016	0.37U µg/L	R	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-W-068-63-220920-00-01	PCBs	Aroclor 1254	2830 µg/kg	2830J µg/kg	LCS %R above CL
		Aroclor 1260	10600 µg/kg	10600J µg/kg	
RB-W-069-15-220920-00-01	PCBs	Aroclor 1254	1950 µg/kg	1950J µg/kg	LCS %R above CL
		Aroclor 1260	7370 µg/kg	7370J µg/kg	
RB-W-069-63-220920-00-01	PCBs	Aroclor 1254	1570 µg/kg	1570J µg/kg	LCS %R above CL
		Aroclor 1260	5700 µg/kg	5700J µg/kg	
RB-W-070-34-220920-00-01	PCBs	Aroclor 1254	1020 µg/kg	1020J µg/kg	LCS %R above CL
		Aroclor 1260	4790 µg/kg	4790J µg/kg	
RB-W-071-08-220920-00-01	PCBs	Aroclor 1254	1090 µg/kg	1090J µg/kg	LCS %R above CL
		Aroclor 1260	5060 µg/kg	5060J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-071-08-BD0001	PCBs	Aroclor 1254	809 µg/kg	809J µg/kg	LCS %R above CL
		Aroclor 1260	3140 µg/kg	3140J µg/kg	
RB-W-071-57-220920-00-01	PCBs	Aroclor 1254	640 µg/kg	640J µg/kg	LCS %R above CL
		Aroclor 1260	2060 µg/kg	2060J µg/kg	
RB-W-072-56-220920-00-01	PCBs	Aroclor 1254	702 µg/kg	702J µg/kg	LCS %R above CL
		Aroclor 1260	3220 µg/kg	3220J µg/kg	
RB-W-073-08-220920-00-01	PCBs	Aroclor 1254	1050 µg/kg	1050J µg/kg	LCS %R above CL
		Aroclor 1260	4170 µg/kg	4170J µg/kg	
RB-W-073-57-220920-00-01	PCBs	Aroclor 1254	2340 µg/kg	2340J µg/kg	LCS %R above CL
		Aroclor 1260	9060 µg/kg	9060J µg/kg	
RB-W-074-04-220920-00-01	PCBs	Aroclor 1254	649 µg/kg	649J µg/kg	LCS %R above CL
		Aroclor 1260	3230 µg/kg	3230J µg/kg	
RB-W-074-58-220920-00-01	PCBs	Aroclor 1254	1060 µg/kg	1060J µg/kg	LCS %R above CL
		Aroclor 1260	4980 µg/kg	4980J µg/kg	
RB-W-075-07-220920-00-01	PCBs	Aroclor 1254	1240 µg/kg	1240J µg/kg	LCS %R above CL
		Aroclor 1260	4940 µg/kg	4940J µg/kg	
RB-W-075-62-220920-00-01	PCBs	Aroclor 1254	777 µg/kg	777J µg/kg	LCS %R above CL
		Aroclor 1260	2960 µg/kg	2960J µg/kg	
RB-W-076-18-220920-00-01	PCBs	Aroclor 1254	622 µg/kg	622J µg/kg	LCS %R above CL
		Aroclor 1260	2420 µg/kg	2420J µg/kg	
RB-W-076-70-220920-00-01	PCBs	Aroclor 1254	1170 µg/kg	1170J µg/kg	LCS %R above CL
		Aroclor 1260	3690 µg/kg	3690J µg/kg	
RB-W-077-13-220920-00-01	PCBs	Aroclor 1254	1700 µg/kg	1700J µg/kg	LCS %R above CL
		Aroclor 1260	6440 µg/kg	6440J µg/kg	
RB-W-077-35-220920-00-01	PCBs	Aroclor 1254	2390 µg/kg	2390J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	7770 µg/kg	7770J µg/kg	
RB-W-078-80-220920-00-01	PCBs	Aroclor 1254	4830 µg/kg	4830J µg/kg	LCS %R above CL
		Aroclor 1260	32800 µg/kg	32800J µg/kg	LCS %R above CL; Surrogate %R above CL
RB-W-081-14-220920-00-01	PCBs	Aroclor 1254	49.7 µg/kg	49.7J µg/kg	LCS %R above CL
		Aroclor 1260	190 µg/kg	190J µg/kg	
SE-065-69-W-220920-0.5-01	PCBs	Aroclor 1254	120 µg/kg	120J µg/kg	LCS %R above CL
		Aroclor 1260	279 µg/kg	279J µg/kg	
SE-065-69-W-220920-0.5-01	Conventionals	TOC	1050 mg/kg	1050J mg/kg	MS/MSD %R below CL
SE-065-69-W-220920-00-0.5	Conventionals	TOC	2260 mg/kg	2260J mg/kg	MS/MSD %R below CL
SE-065-69-W-220920-01-1.5	Conventionals	TOC	3730 mg/kg	3730J mg/kg	MS/MSD %R below CL
SE-065-69-W-220920-1.5-1.73	Conventionals	TOC	4680 mg/kg	4680J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-068-20-C-220920-0.5-01	Conventionals	TOC	1940 mg/kg	1940J mg/kg	MS/MSD %R below CL
SE-068-20-C-220920-00-0.5	Conventionals	TOC	2650 mg/kg	2650J mg/kg	MS/MSD %R below CL
SE-068-20-C-220920-01-1.5	Conventionals	TOC	1180 mg/kg	1180J mg/kg	MS/MSD %R below CL
SE-068-20-E-220920-00-0.45	Conventionals	TOC	19100 mg/kg	19100J mg/kg	MS/MSD %R below CL
SE-068-20-W-220920-0.5-01	Conventionals	TOC	4960 mg/kg	4960J mg/kg	MS/MSD %R below CL
SE-068-20-W-220920-00-0.5	Conventionals	TOC	1940 mg/kg	1940J mg/kg	MS/MSD %R below CL
SE-065-69-C-220920-0.5-01	PCBs	Aroclor 1254	7530 µg/kg	7530J µg/kg	FD RPD above CL
		Aroclor 1260	39300 µg/kg	39300J µg/kg	
	Conventionals	TOC	11500 mg/kg	11500J mg/kg	MS/MSD %R below CL
SE-068-20-W-220920-01-1.5	Conventionals	TOC	1260 mg/kg	1260J mg/kg	MS/MSD %R below CL
SE-068-20-W-220920-1.5-1.7	Conventionals	TOC	2600 mg/kg	2600J mg/kg	MS/MSD %R below CL
SE-070-71-C-22020-0.5-01	Conventionals	TOC	9940 mg/kg	9940J mg/kg	MS/MSD %R below CL
SE-070-71-C-220920-00-0.5	Conventionals	TOC	3320 mg/kg	3320J mg/kg	MS %R below CL
SE-070-71-C-220920-01-1.5	Conventionals	TOC	7450 mg/kg	7450J mg/kg	MS %R below CL
SE-070-71-C-220920-1.5-1.86	PCBs	Aroclor 1254	99.5 µg/kg	99.5J µg/kg	Column confirmation RPD above CL
	Conventionals	TOC	1520 mg/kg	1520J mg/kg	MS/MSD %R below CL
SE-070-71-E-220920-0.5-01	Conventionals	TOC	2970 mg/kg	2970J mg/kg	MS/MSD %R below CL
SE-070-71-E-220920-00-0.5	Conventionals	TOC	5510 mg/kg	5510J mg/kg	MS/MSD %R below CL
SE-070-71-E-220920-01-1.5	Conventionals	TOC	14600 mg/kg	14600J mg/kg	MS/MSD %R below CL
SE-065-69-C-220920-00-0.5	PCBs	Aroclor 1254	288 µg/kg	288J µg/kg	MS %R above CL; MS/MSD RPD above CL
		Aroclor 1260	627 µg/kg	627J µg/kg	
	Conventionals	TOC	29900 mg/kg	29900J mg/kg	MS/MSD %R below CL
SE-070-71-E-220920-1.5-1.71	Conventionals	TOC	15700 mg/kg	15700J mg/kg	MS/MSD %R below CL
SE-070-71-W-220920-0.5-01	Conventionals	TOC	23100 mg/kg	23100J mg/kg	MS/MSD %R below CL
SE-070-71-W-220920-00-0.5	Conventionals	TOC	1540 mg/kg	1540J mg/kg	MS/MSD %R below CL
SE-070-71-W-220920-01-1.5	Conventionals	TOC	2160 mg/kg	2160J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-070-71-W-220920-1.5-1.92	Conventionals	TOC	6600 mg/kg	6600J mg/kg	MS/MSD %R below CL
SE-073-21-C-220920-0.5-01	Conventionals	TOC	3140 mg/kg	3140J mg/kg	MS/MSD %R below CL
SE-073-21-C-220920-00-0.5	PCBs	Aroclor 1254	1560 µg/kg	1560J µg/kg	Column confirmation RPD above CL; FD RPD above CL
		Aroclor 1260	14100 µg/kg	14100J µg/kg	FD RPD above CL
	Conventionals	TOC	27300 mg/kg	27300J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-073-21-C-220920-01-1.5	PCBs	Aroclor 1254	489 µg/kg	489J µg/kg	Column confirmation RPD above CL
	Conventionals	TOC	1520 mg/kg	1520J mg/kg	MS/MSD %R below CL
SE-073-21-C-220920-1.5-1.75	PCBs	Aroclor 1254	78.7 µg/kg	78.7J µg/kg	Column confirmation RPD above CL
	Conventionals	TOC	10800 mg/kg	10800J mg/kg	MS/MSD %R below CL
SE-065-69-C-220920-01-1.5	Conventionals	TOC	14400 mg/kg	14400J mg/kg	MS/MSD %R below CL
SE-073-21-C-BD0001	PCBs	Aroclor 1254	2790 µg/kg	2790J µg/kg	Column confirmation RPD above CL; FD RPD above CL
		Aroclor 1260	49400 µg/kg	49400J µg/kg	FD RPD above CL
	Conventionals	TOC	8140 mg/kg	8140J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-073-21-E-220920-0.5-01	Conventionals	TOC	4390 mg/kg	4390J mg/kg	MS/MSD %R below CL
SE-073-21-E-220920-00-0.5	PCBs	Aroclor 1254	275 µg/kg	275J µg/kg	Column confirmation RPD above CL
	Conventionals	TOC	5780 mg/kg	5780J mg/kg	MS/MSD %R below CL
SE-073-21-E-220920-01-1.5	Conventionals	TOC	761 mg/kg	761J mg/kg	MS/MSD %R below CL
SE-073-21-W-220920-00-0.5	PCBs	Aroclor 1254	134 µg/kg	134J µg/kg	Column confirmation RPD above CL
SE-065-69-C-220920-1.5-1.84	Conventionals	TOC	569 mg/kg	569J mg/kg	MS/MSD %R below CL
SE-065-69-C-BD0001	PCBs	Aroclor 1254	1180 µg/kg	1180J µg/kg	FD RPD above CL
		Aroclor 1260	9280 µg/kg	9280J µg/kg	
	Conventionals	TOC	9500 mg/kg	9500J mg/kg	MS/MSD %R below CL
SE-065-69-E-220920-0.5-01	Conventionals	TOC	59300 mg/kg	59300J mg/kg	MS/MSD %R below CL
SE-065-69-E-220920-00-0.5	Conventionals	TOC	12200 mg/kg	12200J mg/kg	MS/MSD %R below CL

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-040-65-C-220915-0.5-0.73	JD52404-1	JD52404	Sediment	PCBs, TOC, TS
SE-040-65-W-220915-1.5-1.65	JD52404-10	JD52404	Sediment	PCBs, TOC, TS
RB-2209151535	JD52404-11	JD52404	Water	PCBs
SE-043-16-C-220915-0.5-01	JD52404-12	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-C-220915-00-0.5	JD52404-13	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-C-BD0001	JD52404-14	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-E-220915-0.5-01	JD52404-15	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-E-220915-00-0.5	JD52404-16	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-E-220915-01-1.5	JD52404-17	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-E-220915-1.5-1.7	JD52404-18	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-W-220915-0.5-01	JD52404-19	JD52404	Sediment	PCBs, TOC, TS
SE-040-65-C-220915-00-0.5	JD52404-2	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-W-220915-00-0.5	JD52404-20	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-W-220915-01-1.5	JD52404-21	JD52404	Sediment	PCBs, TOC, TS
SE-043-16-W-220915-1.5-1.65	JD52404-22	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-C-220915-0.5-01	JD52404-23	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-C-220915-00-0.5	JD52404-24	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-C-220915-01-1.5	JD52404-25	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-C-220915-1.5-1.9	JD52404-26	JD52404	Sediment	PCBs, TOC, TS
RB-2209151619	JD52404-27	JD52404	Water	PCBs
SE-045-68-E-220915-0.5-01	JD52404-28	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-E-220915-00-0.5	JD52404-29	JD52404	Sediment	PCBs, TOC, TS
SE-040-65-E-220915-0.5-01	JD52404-3	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-E-220915-01-1.5	JD52404-30	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-E-220915-1.5-02	JD52404-31	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-E-BD0001	JD52404-32	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-W-220915-0.5-01	JD52404-33	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-W-220915-00-0.5	JD52404-34	JD52404	Sediment	PCBs, TOC, TS
SE-045-68-W-220915-01-1.42	JD52404-35	JD52404	Sediment	PCBs, TOC, TS
SE-040-65-E-220915-00-0.5	JD52404-4	JD52404	Sediment	PCBs, TOC, TS
SE-040-65-E-220915-01-1.5	JD52404-5	JD52404	Sediment	PCBs, TOC, TS
SE-040-65-E-220915-1.5-1.6	JD52404-6	JD52404	Sediment	PCBs, TOC, TS
SE-040-65-W-220915-0.5-01	JD52404-7	JD52404	Sediment	PCBs, TOC, TS
SE-040-65-W-220915-00-0.5	JD52404-8	JD52404	Sediment	PCBs, TOC, TS
SE-040-65-W-220915-01-1.5	JD52404-9	JD52404	Sediment	PCBs, TOC, TS
RB-E-087-92-220921-00-01	JD52416-1	JD52416	Soil	PCBs, TS
RB-E-093-75-220921-00-01	JD52416-10	JD52416	Soil	PCBs, TS
RB-E-094-20-220921-00-01	JD52416-11	JD52416	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-095-95-220921-00-01	JD52416-12	JD52416	Soil	PCBs, TS
RB-E-097-11-220921-00-01	JD52416-13	JD52416	Soil	PCBs, TS
RB-E-098-35-220921-00-01	JD52416-14	JD52416	Soil	PCBs, TS
RB-E-098-72-220921-00-01	JD52416-15	JD52416	Soil	PCBs, TS
RB-E-103-93-220921-00-01	JD52416-16	JD52416	Soil	PCBs, TS
RB-E-103-93-BD0001	JD52416-17	JD52416	Soil	PCBs, TS
RB-E-104-42-220921-00-01	JD52416-18	JD52416	Soil	PCBs, TS, GS, MC
RB-E-104-86-220921-00-01	JD52416-19	JD52416	Soil	PCBs, TS
RB-E-089-46-220921-00-01	JD52416-2	JD52416	Soil	PCBs, TS
RB-W-080-47-220921-00-01	JD52416-20	JD52416	Soil	PCBs, TS
RB-W-080-70-220921-00-01	JD52416-21	JD52416	Soil	PCBs, TS, GS, MC
RB-W-080-96-220921-00-01	JD52416-22	JD52416	Soil	PCBs, TS
RB-W-081-71-220921-00-01	JD52416-23	JD52416	Soil	PCBs, TS
RB-W-082-11-220921-00-01	JD52416-24	JD52416	Soil	PCBs, TS
RB-W-082-50-220921-00-01	JD52416-25	JD52416	Soil	PCBs, TS
RB-W-082-95-220921-00-01	JD52416-26	JD52416	Soil	PCBs, TS
RB-W-083-93-220921-00-01	JD52416-27	JD52416	Soil	PCBs, TS
RB-W-083-93-BD0001	JD52416-28	JD52416	Soil	PCBs, TS
RB-W-084-49-220921-00-01	JD52416-29	JD52416	Soil	PCBs, TS
RB-2209211505	JD52416-3	JD52416	Water	PCBs
RB-W-085-33-220921-00-01	JD52416-30	JD52416	Soil	PCBs, TS, GS, MC, Density, Specific Gravity
RB-2209211445	JD52416-31	JD52416	Water	PCBs
RB-W-086-29-220921-00-01	JD52416-32	JD52416	Soil	PCBs, TS
RB-W-086-88-220921-00-01	JD52416-33	JD52416	Soil	PCBs, TS
RB-W-087-46-220921-00-01	JD52416-34	JD52416	Soil	PCBs, TS
RB-W-088-02-220921-00-01	JD52416-35	JD52416	Soil	PCBs, TS
RB-W-088-24-220921-00-01	JD52416-36	JD52416	Soil	PCBs, TS
RB-W-088-77-220921-00-01	JD52416-37	JD52416	Soil	PCBs, TS
RB-W-089-24-220921-00-01	JD52416-38	JD52416	Soil	PCBs, TS
RB-W-089-67-220921-00-01	JD52416-39	JD52416	Soil	PCBs, TS
RB-E-090-06-220921-00-01	JD52416-4	JD52416	Soil	PCBs, TS
RB-W-090-79-220921-00-01	JD52416-40	JD52416	Soil	PCBs, TS, GS, MC
RB-W-091-94-220921-00-01	JD52416-41	JD52416	Soil	PCBs, TS
RB-W-092-61-220921-00-01	JD52416-42	JD52416	Soil	PCBs, TS
RB-W-093-08-220921-00-01	JD52416-43	JD52416	Soil	PCBs, TS
RB-W-093-94-220921-00-01	JD52416-44	JD52416	Soil	PCBs, TS
RB-W-094-50-220921-00-01	JD52416-45	JD52416	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-095-04-220921-00-01	JD52416-46	JD52416	Soil	PCBs, TS
RB-W-095-66-220921-00-01	JD52416-47	JD52416	Soil	PCBs, TS
RB-W-096-18-220921-00-01	JD52416-48	JD52416	Soil	PCBs, TS
RB-E-090-88-220921-00-01	JD52416-5	JD52416	Soil	PCBs, TS
RB-E-091-47-220921-00-01	JD52416-6	JD52416	Soil	PCBs, TS
RB-E-091-92-220921-00-01	JD52416-7	JD52416	Soil	PCBs, TS
RB-E-092-68-220921-00-01	JD52416-8	JD52416	Soil	PCBs, TS
RB-E-093-32-220921-00-01	JD52416-9	JD52416	Soil	PCBs, TS, GS, MC
RB-2209211453	JD52419-1	JD52419	Water	PCBs
SE-075-71-E-220921-1.5-1.68	JD52419-10	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-W-220921-0.5-01	JD52419-11	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-W-220921-00-0.5	JD52419-12	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-W-220921-01-1.5	JD52419-13	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-W-220921-1.5-02	JD52419-14	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-C-220921-0.5-01	JD52419-15	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-C-220921-00-0.5	JD52419-16	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-C-220921-01-1.5	JD52419-17	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-C-220921-1.5-1.78	JD52419-18	JD52419	Sediment	PCBs, TOC, TS
RB-2209211552	JD52419-19	JD52419	Water	PCBs
SE-075-71-C-220921-0.5-01	JD52419-2	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-E-220921-0.5-01	JD52419-20	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-E-220921-00-0.5	JD52419-21	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-E-220921-01-1.5	JD52419-22	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-E-220921-1.5-1.65	JD52419-23	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-E-BD0001	JD52419-24	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-W-220921-0.5-01	JD52419-25	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-W-220921-00-0.5	JD52419-26	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-W-220921-01-1.5	JD52419-27	JD52419	Sediment	PCBs, TOC, TS
SE-078-22-W-220921-1.5-1.74	JD52419-28	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-C-220921-0.5-01	JD52419-29	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-C-220921-00-0.5	JD52419-3	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-C-220921-00-0.5	JD52419-30	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-C-220921-01-1.35	JD52419-31	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-E-220921-0.5-01	JD52419-32	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-E-220921-00-0.5	JD52419-33	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-E-220921-01-1.5	JD52419-34	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-E-220921-1.5-1.77	JD52419-35	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-W-220921-0.5-01	JD52419-36	JD52419	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-080-85-W-220921-00-0.5	JD52419-37	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-W-220921-01-1.5	JD52419-38	JD52419	Sediment	PCBs, TOC, TS
SE-080-85-W-220921-1.5-1.87	JD52419-39	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-C-220921-01-1.5	JD52419-4	JD52419	Sediment	PCBs, TOC, TS
RB-2209211654	JD52419-40	JD52419	Water	PCBs
SE-083-54-C-220921-0.5-01	JD52419-41	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-C-220921-00-0.5	JD52419-42	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-C-220921-01-1.34	JD52419-43	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-C-BD0001	JD52419-44	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-E-220921-0.5-01	JD52419-45	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-E-220921-00-0.5	JD52419-46	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-E-220921-01-1.5	JD52419-47	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-E-220921-1.5-02	JD52419-48	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-W-220921-0.5-01	JD52419-49	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-C-220921-1.5-1.75	JD52419-5	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-W-220921-00-0.5	JD52419-50	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-W-220921-01-1.5	JD52419-51	JD52419	Sediment	PCBs, TOC, TS
SE-083-54-W-220921-1.5-1.65	JD52419-52	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-C-BD0001	JD52419-6	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-E-220921-0.5-01	JD52419-7	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-E-220921-00-0.5	JD52419-8	JD52419	Sediment	PCBs, TOC, TS
SE-075-71-E-220921-01-1.5	JD52419-9	JD52419	Sediment	PCBs, TOC, TS
RB-E-070-93-220920-00-01	JD52421-1	JD52421	Soil	PCBs, TS
RB-E-075-38-220920-00-01	JD52421-10	JD52421	Soil	PCBs, TS
RB-E-075-86-220920-00-01	JD52421-11	JD52421	Soil	PCBs, TS
RB-E-076-27-220920-00-01	JD52421-12	JD52421	Soil	PCBs, TS
RB-E-076-75-220920-00-01	JD52421-13	JD52421	Soil	PCBs, TS
RB-E-077-32-220920-00-01	JD52421-14	JD52421	Soil	PCBs, TS
RB-E-077-78-220920-00-01	JD52421-15	JD52421	Soil	PCBs, TS
RB-E-078-29-220920-00-01	JD52421-16	JD52421	Soil	PCBs, TS
RB-E-078-84-220920-00-01	JD52421-17	JD52421	Soil	PCBs, TS
RB-E-078-84-BD0001	JD52421-18	JD52421	Soil	PCBs, TS
RB-E-079-55-220920-00-01	JD52421-19	JD52421	Soil	PCBs, TS
RB-E-071-49-220920-00-01	JD52421-2	JD52421	Soil	PCBs, TS
RB-E-080-20-220920-00-01	JD52421-20	JD52421	Soil	PCBs, TS, GS, MC
RB-E-080-65-220920-00-01	JD52421-21	JD52421	Soil	PCBs, TS
RB-E-081-32-220920-00-01	JD52421-22	JD52421	Soil	PCBs, TS
RB-E-081-89-220920-00-01	JD52421-23	JD52421	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-082-62-220920-00-01	JD52421-24	JD52421	Soil	PCBs, TS
RB-2209201425	JD52421-25	JD52421	Water	PCBs
RB-E-083-21-220920-00-01	JD52421-26	JD52421	Soil	PCBs, TS
RB-E-083-62-220920-00-01	JD52421-27	JD52421	Soil	PCBs, TS
RB-E-084-08-220920-00-01	JD52421-28	JD52421	Soil	PCBs, TS
RB-E-084-53-220920-00-01	JD52421-29	JD52421	Soil	PCBs, TS, GS, MC
RB-E-071-92-220920-00-01	JD52421-3	JD52421	Soil	PCBs, TS
RB-W-068-16-220920-00-01	JD52421-30	JD52421	Soil	PCBs, TS
RB-W-068-63-220920-00-01	JD52421-31	JD52421	Soil	PCBs, TS
RB-W-069-15-220920-00-01	JD52421-32	JD52421	Soil	PCBs, TS, GS, MC
RB-W-069-63-220920-00-01	JD52421-33	JD52421	Soil	PCBs, TS
RB-W-070-34-220920-00-01	JD52421-34	JD52421	Soil	PCBs, TS
RB-W-071-08-220920-00-01	JD52421-35	JD52421	Soil	PCBs, TS
RB-W-071-08-BD0001	JD52421-36	JD52421	Soil	PCBs, TS
RB-W-071-57-220920-00-01	JD52421-37	JD52421	Soil	PCBs, TS
RB-W-072-56-220920-00-01	JD52421-38	JD52421	Soil	PCBs, TS
RB-W-073-08-220920-00-01	JD52421-39	JD52421	Soil	PCBs, TS
RB-2209201408	JD52421-4	JD52421	Water	PCBs
RB-W-073-57-220920-00-01	JD52421-40	JD52421	Soil	PCBs, TS
RB-W-074-04-220920-00-01	JD52421-41	JD52421	Soil	PCBs, TS
RB-W-074-58-220920-00-01	JD52421-42	JD52421	Soil	PCBs, TS
RB-W-075-07-220920-00-01	JD52421-43	JD52421	Soil	PCBs, TS
RB-W-075-62-220920-00-01	JD52421-44	JD52421	Soil	PCBs, TS, GS, MC
RB-W-076-18-220920-00-01	JD52421-45	JD52421	Soil	PCBs, TS
RB-W-076-70-220920-00-01	JD52421-46	JD52421	Soil	PCBs, TS
RB-W-077-13-220920-00-01	JD52421-47	JD52421	Soil	PCBs, TS
RB-W-077-35-220920-00-01	JD52421-48	JD52421	Soil	PCBs, TS
RB-W-078-80-220920-00-01	JD52421-49	JD52421	Soil	PCBs, TS
RB-E-072-93-220920-00-01	JD52421-5	JD52421	Soil	PCBs, TS
RB-W-081-14-220920-00-01	JD52421-50	JD52421	Soil	PCBs, TS
RB-E-073-43-220920-00-01	JD52421-6	JD52421	Soil	PCBs, TS
RB-E-073-95-220920-00-01	JD52421-7	JD52421	Soil	PCBs, TS
RB-E-074-41-220920-00-01	JD52421-8	JD52421	Soil	PCBs, TS
RB-E-074-89-220920-00-01	JD52421-9	JD52421	Soil	PCBs, TS, GS, MC
RB-2209201411	JD52422-1	JD52422	Water	PCBs
SE-065-69-W-220920-0.5-01	JD52422-10	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-W-220920-00-0.5	JD52422-11	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-W-220920-01-1.5	JD52422-12	JD52422	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-065-69-W-220920-1.5-1.73	JD52422-13	JD52422	Sediment	PCBs, TOC, TS
SE-068-20-C-220920-0.5-01	JD52422-14	JD52422	Sediment	PCBs, TOC, TS
SE-068-20-C-220920-00-0.5	JD52422-15	JD52422	Sediment	PCBs, TOC, TS
SE-068-20-C-220920-01-1.5	JD52422-16	JD52422	Sediment	PCBs, TOC, TS
SE-068-20-E-220920-00-0.45	JD52422-17	JD52422	Sediment	PCBs, TOC, TS
SE-068-20-W-220920-0.5-01	JD52422-18	JD52422	Sediment	PCBs, TOC, TS
SE-068-20-W-220920-00-0.5	JD52422-19	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-C-220920-0.5-01	JD52422-2	JD52422	Sediment	PCBs, TOC, TS
SE-068-20-W-220920-01-1.5	JD52422-20	JD52422	Sediment	PCBs, TOC, TS
SE-068-20-W-220920-1.5-1.7	JD52422-21	JD52422	Sediment	PCBs, TOC, TS
SE-068-20-W-G-220920-00-1.7	JD52422-22	JD52422	Sediment	GS, MC
SE-070-71-C-220920-0.5-01	JD52422-23	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-C-220920-00-0.5	JD52422-24	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-C-220920-01-1.5	JD52422-25	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-C-220920-1.5-1.86	JD52422-26	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-E-220920-0.5-01	JD52422-27	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-E-220920-00-0.5	JD52422-28	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-E-220920-01-1.5	JD52422-29	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-C-220920-00-0.5	JD52422-3	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-E-220920-1.5-1.71	JD52422-30	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-W-220920-0.5-01	JD52422-31	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-W-220920-00-0.5	JD52422-32	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-W-220920-01-1.5	JD52422-33	JD52422	Sediment	PCBs, TOC, TS
SE-070-71-W-220920-1.5-1.92	JD52422-34	JD52422	Sediment	PCBs, TOC, TS
RB-2209201600	JD52422-35	JD52422	Water	PCBs
SE-073-21-C-220920-0.5-01	JD52422-36	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-C-220920-00-0.5	JD52422-37	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-C-220920-01-1.5	JD52422-38	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-C-220920-1.5-1.75	JD52422-39	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-C-220920-01-1.5	JD52422-4	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-C-BD0001	JD52422-40	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-E-220920-0.5-01	JD52422-41	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-E-220920-00-0.5	JD52422-42	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-E-220920-01-1.5	JD52422-43	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-E-220920-1.5-1.8	JD52422-44	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-W-220920-0.5-01	JD52422-45	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-W-220920-00-0.5	JD52422-46	JD52422	Sediment	PCBs, TOC, TS
SE-073-21-W-220920-01-1.5	JD52422-47	JD52422	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-073-21-W-220920-1.5-1.75	JD52422-48	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-C-220920-1.5-1.84	JD52422-5	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-C-BD0001	JD52422-6	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-E-220920-0.5-01	JD52422-7	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-E-220920-00-0.5	JD52422-8	JD52422	Sediment	PCBs, TOC, TS
SE-065-69-E-220920-01-1.45	JD52422-9	JD52422	Sediment	PCBs, TOC, TS

Data Validation Report – EPA Stage 2A

April 17, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0057

This report summarizes the review of analytical results for 86 soil samples, 31 sediment samples, 6 field duplicate samples, and 6 equipment rinsate blanks collected in September 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Specific gravity by ASTM D1429
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Four SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Six equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and two were analyzed for TOC. All results were below detection.

Field Duplicates

Six field duplicates were collected in association with these sample sets. Detected results in the remaining are summarized in Table 1. Results that were less than two times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-BW5A-1-C-D-8-9-220923-00-01	SE-BW5A-1-C-D-8-9-BD0001	RPD	Difference	Difference CL
TOC	102000 mg/kg	82900 mg/kg	21%	--	--
Total solids	41.4%	44.7%	8%	--	--
Aroclor 1254	8130 µg/kg	16600 µg/kg	68%	--	--
Aroclor 1260	27300 µg/kg	98900 µg/kg	113%	--	--

Analyte	RB-E-127-68-220926-00-01	RB-E-127-68-BD0001	RPD	Difference	Difference CL
Total solids	62.1%	61.2%	1%	--	--
Aroclor 1254	1430 µg/kg	1080 µg/kg	28%	--	--
Aroclor 1260	6000 µg/kg	4940 µg/kg	19%	--	--

Analyte	RB-W-113-80-220926-00-01	RB-W-113-80-BD0001	RPD	Difference	Difference CL
Total solids	72%	73.6%	2%	--	--
Aroclor 1254	3580 µg/kg	1380 µg/kg	89%	--	--
Aroclor 1260	4650 µg/kg	5650 µg/kg	19%	--	--

Analyte	SE-BW5A-1-C-7-8-220926-00-0.87	SE-BW5A-1-C-7-8-BD0001	RPD	Difference	Difference CL
TOC	67800 mg/kg	109000 mg/kg	47%	--	--
Total solids	30%	30.4%	1%	--	--
Aroclor 1254	11500 µg/kg	12100 µg/kg	5%	--	--
Aroclor 1260	31600 µg/kg	32800 µg/kg	4%	--	--

Analyte	RB-E-085-90-220923-00-01	RB-E-085-90-BD0001	RPD	Difference	Difference CL
Total solids	71.3%	77%	8%	--	--
Aroclor 1254	316 µg/kg	175 µg/kg	57%	--	--
Aroclor 1260	1810 µg/kg	848 µg/kg	72%	--	--

Analyte	RB-E-115-80-220923-00-01	RB-E-115-80-BD0001	RPD	Difference	Difference CL
Total solids	73.8%	74.8%	1%	--	--
Aroclor 1254	6410 µg/kg	5150 µg/kg	22%	--	--
Aroclor 1260	33100 µg/kg	21600 µg/kg	42%	--	--

Notes:
µg/kg: microgram per kilogram
CL: control limit
mg/kg: milligram per kilogram

Surrogate Spike Recoveries

- Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x

or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when the other surrogate was within project limits. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD52744
 - DCB recovered above the control limit in the second column analysis of RB-E-121-72-220926-00-01, RB-E-122-08-220926-00-01, and RB-W-114-33-220926-00-01. The Aroclor 1254 results were qualified "J" to indicate a potentially high bias.
 - DCB recovered above the control limit in the second column analysis of RB-E-113-38-220923-00-01. The Aroclor 1254 result was qualified "J" to indicate a potentially high bias.
 - TMX recovered above the control in the analysis of RB-E-115-80-BD0001. The Aroclor 1254 result was qualified "J" to indicate a potentially high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD52743 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-BW5A-1-C-D-8-9-BD0001, SE-BW5A-1-E-F-8-9-220923-00-01, and SE-BW5A-1-F-G-9-10-220923-00-01. The Aroclor 1254 results have been qualified "J" as estimated.
- SDG JD52744 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples RB-E-117-19-220926-00-01, RB-E-118-65-220926-00-01, RB-E-120-66-220926-00-01, RB-E-127-68-BD0001, RB-W-107-75-220926-00-01, and RB-W-109-61-220926-00-01. The Aroclor 1254 results have been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions:

- Aroclor Batch OP42231 – Aroclor 1016 and Aroclor 1260 LCS/LCSD RPD values were above the control limit. Associated sample results were below detection, so no data were qualified.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations

were greater than four times spike concentrations. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- Aroclor Batch OP42176
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample SE-BW5A-1-C-D-8-9-220923-00-01. Associated sample results were below detection, so no data were qualified.
- Aroclor Batch OP42185
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample SE-BW5A-1-C-7-8-220926-00-0.87. Associated sample results were below detection, so no data were qualified.
- Aroclor Batch OP42189
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample RB-W-097-68-220923-00-01. Additionally, the RPD between the MS and MSD was elevated. Associated sample results were below detection, so no data were qualified.
- TOC Batch GP42895
 - TOC recovered below the control limit in the MS analyzed on sample SW-BW5A-1-F-6-G-220926-00-0.84. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and matrix spike duplicates were used in place of laboratory duplicates for TOC. RPD values were within project-required control limits with the following exceptions:

- SDG JD52744 – The RPD value was above the control limit for the Percent passing (hydrometer 3) for sample RB-W-109-61-220926-00-01. Associated batch sample results have been qualified "J" to indicate a possible bias.
- SDG JD52745 – The RPD value was above the control limit for the moisture content for sample SE-BW5A-1-D-E-7-8-G-220926-00-0.95. Associated batch sample results have been qualified "J" to indicate a possible bias.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was

acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. All data are acceptable as reported or qualified. Completeness was 100%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-1-C-D-8-9-220923-00-01	PCBs	Aroclor 1254	8130 µg/kg	8130J µg/kg	FD RPD above CL
		Aroclor 1260	27300 µg/kg	27300J µg/kg	
SE-BW5A-1-C-D-8-9-BD0001	PCBs	Aroclor 1254	16600 µg/kg	16600J µg/kg	Column Confirmation RPD above CL; FD RPD above CL
		Aroclor 1260	98900 µg/kg	98900J µg/kg	FD RPD above CL
SE-BW5A-1-E-F-8-9-220923-00-01	PCBs	Aroclor 1254	2290 µg/kg	2290J µg/kg	Column Confirmation RPD above CL
SE-B5A-1-F-G-9-10-220923-00-01	PCBs	Aroclor 1254	2630 µg/kg	2630J µg/kg	Column Confirmation RPD above CL
RB-E-117-19-220926-00-01	PCBs	Aroclor 1254	4860 µg/kg	4860J µg/kg	Column Confirmation RPD above CL
RB-E-118-65-220926-00-01	PCBs	Aroclor 1254	2430 µg/kg	2430J µg/kg	Column Confirmation RPD above CL
RB-E-120-66-220926-00-01	PCBs	Aroclor 1254	974 µg/kg	974J µg/kg	Column Confirmation RPD above CL
RB-E-121-72-220926-00-01	PCBs	Aroclor 1254	6020 µg/kg	6020J µg/kg	Surrogate %R above CL
	Conventionals	Percent passing (hydrometer 3)	6%	6J%	LD RPD above CL
RB-E-122-08-220926-00-01	PCBs	Aroclor 1254	4320 µg/kg	4320J µg/kg	Surrogate %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-127-68-BD0001	PCBs	Aroclor 1254	1080 µg/kg	1080J µg/kg	Column Confirmation RPD above CL
RB-W-107-75-220926-00-01	PCBs	Aroclor 1254	684 µg/kg	684J µg/kg	Column Confirmation RPD above CL
RB-W-109-61-220926-00-01	PCBs	Aroclor 1254	1320 µg/kg	1320J µg/kg	Column Confirmation RPD above CL
RB-W-109-61-220926-00-01	Conventionals	Percent passing (hydrometer 3)	3.1%	3.1J%	LD RPD above CL
RB-W-113-80-220926-00-01	PCBs	Aroclor 1254	3580 µg/kg	3580J µg/kg	FD RPD above CL
RB-W-113-80-BD0001	PCBs	Aroclor 1254	1380 µg/kg	1380J µg/kg	FD RPD above CL
RB-W-114-33-220926-00-01	PCBs	Aroclor 1254	11500 µg/kg	11500J µg/kg	Surrogate %R above CL
RB-W-116-21-220926-00-01	Conventionals	Percent passing (hydrometer 3)	4%	4J%	LD RPD above CL
RB-W-119-38-220926-00-01	Conventionals	Percent passing (hydrometer 3)	3.2%	3.2J%	LD RPD above CL
SE-BW5A-1-D-E-7-8-G-220926-00-0.95	Conventionals	MC	73%	73J%	LD RPD above CL
SE-BW5A-1-E-F-6-7-220926-00-01	Conventionals	TOC	29800 mg/kg	29800J mg/kg	MS %R below CL
SE-BW5A-1-E-F-7-8-220926-00-01	Conventionals	TOC	48300 mg/kg	48300J mg/kg	MS %R below CL
SE-BW5A-1-F-5-6-220926-00-0.86	Conventionals	TOC	20100 mg/kg	20100J mg/kg	MS %R below CL
SE-BW5A-1-F-6-220926-00-0.84	Conventionals	TOC	13800 mg/kg	13800J mg/kg	MS %R below CL
SE-BW5A-1-F-6-G-220926-00-0.84	Conventionals	MC	99.1%	99.1J%	LD RPD above CL
SE-BW5A-1-F-8-220926-00-01	Conventionals	TOC	49900 mg/kg	49900J mg/kg	MS %R below CL
SE-BW5A-1-F-G-4-5-220926-00-01	Conventionals	TOC	51500 mg/kg	51500J mg/kg	MS %R below CL
SE-BW5A-1-F-G-5-6-220926-00-01	Conventionals	TOC	87200 mg/kg	87200J mg/kg	MS %R below CL
SE-BW5A-1-G-4-5-220926-00-01	Conventionals	TOC	131000 mg/kg	131000J mg/kg	MS %R below CL
SE-BW5A-1-G-4-5-G-220926-00-01	Conventionals	MC	335%	335J%	LD RPD above CL
RB-E-085-90-220923-00-01	PCBs	Aroclor 1254	316 µg/kg	316J µg/kg	FD RPD above CL
		Aroclor 1260	1810 µg/kg	1810J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-085-90-BD0001	PCBs	Aroclor 1254	175 µg/kg	175J µg/kg	FD RPD above CL
		Aroclor 1260	848 µg/kg	848J µg/kg	
RB-E-086-41-220923-00-01	Conventionals	MC	31.4%	31.4J%	LD RPD above CL
		Percent passing (hydrometer 3)	2%	2J%	LD RPD above CL
RB-E-111-63-220923-00-01	Conventionals	MC	102%	102J%	LD RPD above CL
		Percent passing (hydrometer 3)	3.3%	3.3J%	LD RPD above CL
RB-E-113-38-220923-00-01	PCBs	Aroclor 1254	5710 µg/kg	5710J µg/kg	Surrogate %R above CL
RB-E-114-83-220923-00-01	Conventionals	MC	30.3%	30.3J%	LD RPD above CL
		Percent passing (hydrometer 3)	3%	3J%	LD RPD above CL
RB-E-115-80-BD0001	PCBs	Aroclor 1254	5150 µg/kg	5150J µg/kg	Surrogate %R above CL
RB-W-102-19-220923-00-01	Conventionals	MC	38%	38J%	LD RPD above CL
		Percent passing (hydrometer 3)	2.9%	2.9J%	LD RPD above CL

Notes:
%R: percent recovery
CL: control limit

References

- Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.
- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.
- EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-1-B-C-8-9-220923-00-01	JD52743-1	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-8-9-220923-00-01	JD52743-10	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-G-10-11-220923-00-01	JD52743-11	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-G-10-11-G-220923-00-01	JD52743-12	JD52743	Sediment	GS
SE-BW5A-1-F-G-11-12-220923-00-01	JD52743-13	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-G-9-10-220923-00-01	JD52743-14	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-G-10-11-220923-00-0.57	JD52743-15	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-G-11-12-220923-00-01	JD52743-16	JD52743	Sediment	PCBs, TS, TOC
RB-2209231513	JD52743-2	JD52743	Water	PCBs, TOC
SE-BW5A-1-C-D-8-9-220923-00-01	JD52743-3	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-C-D-8-9-BD0001	JD52743-4	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-C-D-8-9-G-220923-00-01	JD52743-5	JD52743	Sediment	GS
SE-BW5A-1-D-E-8-9-220923-00-01	JD52743-6	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-9-220923-00-01	JD52743-7	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-E-F-8-9-220923-00-01	JD52743-8	JD52743	Sediment	PCBs, TS, TOC
SE-BW5A-1-E-F-9-10-220923-00-01	JD52743-9	JD52743	Sediment	PCBs, TS, TOC
RB-E-116-27-220926-00-01	JD52744-1	JD52744	Soil	PCBs, TS
RB-E-121-72-220926-00-01	JD52744-10	JD52744	Soil	PCBs, TS, GS, MC
RB-E-122-08-220926-00-01	JD52744-11	JD52744	Soil	PCBs, TS
RB-E-123-77-220926-00-01	JD52744-12	JD52744	Soil	PCBs, TS
RB-E-124-62-220926-00-01	JD52744-13	JD52744	Soil	PCBs, TS
RB-E-125-21-220926-00-01	JD52744-14	JD52744	Soil	PCBs, TS
RB-E-125-67-220926-00-01	JD52744-15	JD52744	Soil	PCBs, TS
RB-E-126-15-220926-00-01	JD52744-16	JD52744	Soil	PCBs, TS
RB-E-126-54-220926-00-01	JD52744-17	JD52744	Soil	PCBs, TS
RB-E-126-89-220926-00-01	JD52744-18	JD52744	Soil	PCBs, TS
RB-E-127-68-220926-00-01	JD52744-19	JD52744	Soil	PCBs, TS
RB-E-116-72-220926-00-01	JD52744-2	JD52744	Soil	PCBs, TS
RB-E-127-68-BD0001	JD52744-20	JD52744	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-128-40-220926-00-01	JD52744-21	JD52744	Soil	PCBs, TS, GS, MC, Density, Specific Gravity
RB-2209261425	JD52744-22	JD52744	Water	PCBs
RB-E-128-92-220926-00-01	JD52744-23	JD52744	Soil	PCBs, TS
RB-E-129-38-220926-00-01	JD52744-24	JD52744	Soil	PCBs, TS
RB-E-129-82-220926-00-01	JD52744-25	JD52744	Soil	PCBs, TS
RB-W-097-100-220926-00-01	JD52744-26	JD52744	Soil	PCBs, TS
RB-W-107-75-220926-00-01	JD52744-27	JD52744	Soil	PCBs, TS
RB-2209261428	JD52744-28	JD52744	Water	PCBs
RB-W-108-38-220926-00-01	JD52744-29	JD52744	Soil	PCBs, TS
RB-E-117-19-220926-00-01	JD52744-3	JD52744	Soil	PCBs, TS
RB-W-109-09-220926-00-01	JD52744-30	JD52744	Soil	PCBs, TS
RB-W-109-61-220926-00-01	JD52744-31	JD52744	Soil	PCBs, TS, GS, MC
RB-W-111-80-220926-00-01	JD52744-32	JD52744	Soil	PCBs, TS
RB-W-112-10-220926-00-01	JD52744-33	JD52744	Soil	PCBs, TS
RB-W-113-80-220926-00-01	JD52744-34	JD52744	Soil	PCBs, TS
RB-W-113-80-BD0001	JD52744-35	JD52744	Soil	PCBs, TS
RB-W-114-33-220926-00-01	JD52744-36	JD52744	Soil	PCBs, TS
RB-W-114-79-220926-00-01	JD52744-37	JD52744	Soil	PCBs, TS
RB-W-115-14-220926-00-01	JD52744-38	JD52744	Soil	PCBs, TS
RB-W-115-42-220926-00-01	JD52744-39	JD52744	Soil	PCBs, TS
RB-E-117-64-220926-00-01	JD52744-4	JD52744	Soil	PCBs, TS
RB-W-115-72-220926-00-01	JD52744-40	JD52744	Soil	PCBs, TS
RB-W-116-21-220926-00-01	JD52744-41	JD52744	Soil	PCBs, TS, GS, MC
RB-W-116-73-220926-00-01	JD52744-42	JD52744	Soil	PCBs, TS
RB-W-117-21-220926-00-01	JD52744-43	JD52744	Soil	PCBs, TS
RB-W-117-78-220926-00-01	JD52744-44	JD52744	Soil	PCBs, TS
RB-W-118-30-220926-00-01	JD52744-45	JD52744	Soil	PCBs, TS
RB-W-118-69-220926-00-01	JD52744-46	JD52744	Soil	PCBs, TS
RB-W-119-08-220926-00-01	JD52744-47	JD52744	Soil	PCBs, TS
RB-W-119-38-220926-00-01	JD52744-48	JD52744	Soil	PCBs, TS, GS, MC
RB-W-119-59-220926-00-01	JD52744-49	JD52744	Soil	PCBs, TS
RB-E-118-05-220926-00-01	JD52744-5	JD52744	Soil	PCBs, TS
RB-W-119-81-220926-00-01	JD52744-50	JD52744	Soil	PCBs, TS
RB-W-120-24-220926-00-01	JD52744-51	JD52744	Soil	PCBs, TS
RB-E-118-65-220926-00-01	JD52744-6	JD52744	Soil	PCBs, TS
RB-E-119-44-220926-00-01	JD52744-7	JD52744	Soil	PCBs, TS
RB-E-120-10-220926-00-01	JD52744-8	JD52744	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-120-66-220926-00-01	JD52744-9	JD52744	Soil	PCBs, TS
SE-BW5A-1-C-7-220926-00-01	JD52745-1	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-E-F-6-7-220926-00-01	JD52745-10	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-E-F-7-8-220926-00-01	JD52745-11	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-5-6-220926-00-0.86	JD52745-12	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-6-220926-00-0.84	JD52745-13	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-6-G-220926-00-0.84	JD52745-14	JD52745	Sediment	GS, MC
SE-BW5A-1-F-8-220926-00-01	JD52745-15	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-G-4-5-220926-00-01	JD52745-16	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-G-5-6-220926-00-01	JD52745-17	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-G-4-5-220926-00-01	JD52745-18	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-G-4-5-G-220926-00-01	JD52745-19	JD52745	Sediment	GS, MC
RB-2209261329	JD52745-2	JD52745	Water	PCBs, TOC
SE-BW5A-1-C-7-8-220926-00-0.87	JD52745-3	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-C-7-8-BD0001	JD52745-4	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-C-D-6-7-220926-00-0.98	JD52745-5	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-C-D-7-8-220926-00-0.95	JD52745-6	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-6-7-220926-00-01	JD52745-7	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-7-8-220926-00-0.95	JD52745-8	JD52745	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-7-8-G-220926-00-0.95	JD52745-9	JD52745	Sediment	GS
RB-E-084-87-220923-00-01	JD52771-1	JD52771	Soil	PCBs, TS
RB-E-105-40-220923-00-01	JD52771-10	JD52771	Soil	PCBs, TS
RB-E-105-67-220923-00-01	JD52771-11	JD52771	Soil	PCBs, TS
RB-E-106-56-220923-00-01	JD52771-12	JD52771	Soil	PCBs, TS
RB-E-107-16-220923-00-01	JD52771-13	JD52771	Soil	PCBs, TS
RB-E-107-61-220923-00-01	JD52771-14	JD52771	Soil	PCBs, TS
RB-E-108-08-220923-00-01	JD52771-15	JD52771	Soil	PCBs, TS
RB-E-108-47-220923-00-01	JD52771-16	JD52771	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2209231427	JD52771-17	JD52771	Water	PCBs
RB-E-110-72-220923-00-01	JD52771-18	JD52771	Soil	PCBs, TS
RB-E-111-31-220923-00-01	JD52771-19	JD52771	Soil	PCBs, TS
RB-E-085-07-220923-00-01	JD52771-2	JD52771	Soil	PCBs, TS
RB-E-111-63-220923-00-01	JD52771-20	JD52771	Soil	PCBs, TS, GS, MC, Density, Specific Gravity
RB-E-112-01-220923-00-01	JD52771-21	JD52771	Soil	PCBs, TS
RB-E-112-41-220923-00-01	JD52771-22	JD52771	Soil	PCBs, TS
RB-E-112-82-220923-00-01	JD52771-23	JD52771	Soil	PCBs, TS
RB-E-113-38-220923-00-01	JD52771-24	JD52771	Soil	PCBs, TS
RB-E-113-90-220923-00-01	JD52771-25	JD52771	Soil	PCBs, TS
RB-E-114-32-220923-00-01	JD52771-26	JD52771	Soil	PCBs, TS
RB-E-114-83-220923-00-01	JD52771-27	JD52771	Soil	PCBs, TS, GS, MC
RB-E-115-80-220923-00-01	JD52771-28	JD52771	Soil	PCBs, TS
RB-E-115-80-BD0001	JD52771-29	JD52771	Soil	PCBs, TS
RB-E-085-79-220923-00-01	JD52771-3	JD52771	Soil	PCBs, TS
RB-W-096-100-220923-00-01	JD52771-30	JD52771	Soil	PCBs, TS
RB-W-096-62-220923-00-01	JD52771-31	JD52771	Soil	PCBs, TS
RB-W-097-35-220923-00-01	JD52771-32	JD52771	Soil	PCBs, TS
RB-W-097-68-220923-00-01	JD52771-33	JD52771	Soil	PCBs, TS
RB-W-098-89-220923-00-01	JD52771-34	JD52771	Soil	PCBs, TS
RB-W-102-19-220923-00-01	JD52771-35	JD52771	Soil	PCBs, TS, GS, MC
RB-W-102-61-220923-00-01	JD52771-36	JD52771	Soil	PCBs, TS
RB-W-102-99-220923-00-01	JD52771-37	JD52771	Soil	PCBs, TS
RB-W-103-21-220923-00-01	JD52771-38	JD52771	Soil	PCBs, TS
RB-W-104-34-220923-00-01	JD52771-39	JD52771	Soil	PCBs, TS
RB-E-085-90-220923-00-01	JD52771-4	JD52771	Soil	PCBs, TS
RB-2209231414	JD52771-40	JD52771	Water	PCBs
RB-W-104-54-220923-00-01	JD52771-41	JD52771	Soil	PCBs, TS
RB-W-106-60-220923-00-01	JD52771-42	JD52771	Soil	PCBs, TS
RB-W-107-22-220923-00-01	JD52771-43	JD52771	Soil	PCBs, TS
RB-E-085-90-BD0001	JD52771-5	JD52771	Soil	PCBs, TS
RB-E-086-21-220923-00-01	JD52771-6	JD52771	Soil	PCBs, TS
RB-E-086-41-220923-00-01	JD52771-7	JD52771	Soil	PCBs, TS, GS, MC
RB-E-087-09-220923-00-01	JD52771-8	JD52771	Soil	PCBs, TS
RB-E-087-28-220923-00-01	JD52771-9	JD52771	Soil	PCBs, TS

Data Validation Report – EPA Stage 2A

April 17, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0059

This report summarizes the review of analytical results for 85 soil samples, 39 sediment samples, 6 field duplicate samples, and 6 equipment rinsate blanks collected in September 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Specific gravity (SG) by ASTM D1429
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Four SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes with the following exception.

- TOC Batch GP42936 – The method blank result was above the reporting limit. Associated sample results were significantly greater than (greater than five times) the level detected in the blank, so no data were qualified.

Field Quality Control

Field QC included 6 rinsate blanks and 6 field duplicates.

Equipment Rinsate Blanks

Six equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and two were analyzed for TOC. All results were below detection.

Field Duplicates

Six field duplicates were collected in association with these sample sets. Detected results in the remaining are summarized in Table 1. Results that were less than two times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-BW5A-1-E-F-2-3-220928-00-01	SE-BW5A-1-E-F-2-3-BD0001	RPD	Difference	Difference CL
TOC	82400 mg/kg	56300 mg/kg	38%	--	--
Total solids	20.6%	24.8%	19%	--	--
Aroclor 1254	2390 µg/kg	3680 µg/kg	43%	--	--
Aroclor 1260	5130 µg/kg	6990 µg/kg	31%	--	--

Analyte	RB-W-125-21-220927-00-01	RB-W-125-21-BD0001	RPD	Difference	Difference CL
Total solids	74.9%	61%	20%	--	--
Aroclor 1254	1200 µg/kg	1360 µg/kg	13%	--	--
Aroclor 1260	7560 µg/kg	5510 µg/kg	31%	--	--

Analyte	RB-W-130-24-220927-00-01	RB-W-130-24-BD0001	RPD	Difference	Difference CL
Total solids	67.9%	65.4%	4%	--	--
Aroclor 1254	1710 µg/kg	1400 µg/kg	20%	--	--
Aroclor 1260	6940 µg/kg	6590 µg/kg	5%	--	--

Analyte	SE-099-02-E-220927-00-0.5	SE-099-02-E-BD0001	RPD	Difference	Difference CL
TOC	9100 mg/kg	4150 mg/kg	75%	--	--
Total solids	88.5%	87.6%	1%	--	--
Aroclor 1254	131 µg/kg	112 µg/kg	--	19 µg/kg	70 µg/kg
Aroclor 1260	739 µg/kg	272 µg/kg	92%	--	--

Analyte	RB-E-135-76-220928-00-01	RB-E-135-76-BD0001	RPD	Difference	Difference CL
Total solids	68.8%	69.2%	1%	--	--
Aroclor 1254	43 µg/kg	78.2 µg/kg	--	35.2 µg/kg	88 µg/kg
Aroclor 1260	50.2 µg/kg	220 µg/kg	--	169.8 µg/kg	88 µg/kg

Analyte	RB-W-134-48-220928-00-01	RB-W-134-48-BD0001	RPD	Difference	Difference CL
Total solids	76.4%	72.4%	5%	--	--
Aroclor 1254	1190 µg/kg	1450 µg/kg	20%	--	--
Aroclor 1260	5280 µg/kg	6320 µg/kg	18%	--	--

Notes:

µg/kg: microgram per kilogram

CL: control limit

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the exception of DCB in SDG JD52924 recovered above the control limit in the analysis of sample RB-E-099-30-220927-00-01. The sample results were qualified "J" to indicate a potentially high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD52924 – The Aroclor 1260 RPD value was above the control limit in the analysis of sample RB-W-124-14-220927-00-01. The Aroclor 1260 result has been qualified "J" as estimated.
- SDG JD52928 – The Aroclor 1254 RPD value was above the control limit in the analysis of SE-099-02-E-220927-1.5-02. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD52930 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples RB-E-134-91-220928-00-01, RB-E-140-11-220928-00-01, RB-E-144-99-220928-00-01, RB-E-145-20-220928-00-01, and RB-E-145-73-220928-00-01. The Aroclor 1254 results have been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions:

- Aroclor Batch OP42231 – Aroclor 1016 and Aroclor 1260 LCS/LCSD RPD values were above the control limit. The associated rinse blank results were not detectable, and no qualifications were necessary.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD52922
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on samples SE-BW5A-1-E-F-2-3-220928-00-01 and the RPD was above the control limit. Associated sample results were below detection, so no data were qualified.
- SDG JD52924
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on RB-E-099-30-220927-00-01 and RB-W-126-19-220927-00-01. Associated sample results were below detection, so no data were qualified. Aroclor 1260 recovered below the control limit in the MSD analyzed on sample RB-W-124-42-220927-00-01 and the RPD was above the control limit. Parent sample results were qualified "UJ" or "J" to indicate a possible low bias.
- SDG JD52928
 - Aroclor 1016 recovered above the control limit in the MS and MSD analyzed on sample SE-099-02-E-220927-0.5-01. Associated sample results were below detection, so no data were qualified.
- SDG JD52930
 - Aroclor 1016 recovered above the control limit in the MS and/or MSD analyzed on samples RB-W-134-99-220928-00-01, RB-W-141-59-220928-00-01, and RB-E-133-17-220928-00-01. Associated parent sample results were below detection, so no data were qualified.
- TOC Batch GP42934

- TOC recovered below the control limit in the MS and MSD analyzed on sample SW-BW5A-1-E-F-2-3-220928-00-01. Associated batch sample results have been qualified "J".
- TOC Batch GP42937
 - TOC recovered below the control limit in the MSD analyzed on sample SW-BW5A-1-D-5-220927-00-01. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency or matrix spike duplicates were used in their place. RPD values were within project-required control limits.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. All data are acceptable as reported or qualified. Completeness was 100%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-1-C-2-220928-00-01	Conventionals	TOC	60900 mg/kg	60900J mg/kg	MS/MSD %R below CL
SE-BW5A-1-C-D-2-220928-00-01	Conventionals	TOC	77200 mg/kg	77200J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-1-C-D-2-3-220928-00-01	Conventionals	TOC	36600 mg/kg	36600J mg/kg	MS/MSD %R below CL
SE-BW5A-1-D-E-2-220928-00-0.84	Conventionals	TOC	39900 mg/kg	39900J mg/kg	MS/MSD %R below CL
SE-BW5A-1-D-E-2-3-220928-00-01	Conventionals	TOC	67800 mg/kg	67800J mg/kg	MS/MSD %R below CL
SE-BW5A-1-E-F-2-220928-00-0.58	Conventionals	TOC	23500 mg/kg	23500J mg/kg	MS/MSD %R below CL
SE-BW5A-1-E-F-2-3-220928-00-01	Conventionals	TOC	82400 mg/kg	82400J mg/kg	MS/MSD %R below CL
SE-BW5A-1-E-F-2-3-BD0001	Conventionals	TOC	56300 mg/kg	56300J mg/kg	MS/MSD %R below CL
SE-BW5A-1-E-F-3-4-220928-00-01	Conventionals	TOC	96200 mg/kg	96200J mg/kg	MS/MSD %R below CL
SE-BW5A-1-F-12-220928-00-01	Conventionals	TOC	16100 mg/kg	16100J mg/kg	MS/MSD %R below CL
RB-E-099-30-220927-00-01	PCBs	Aroclor 1254	12600 µg/kg	12600J µg/kg	Surrogate %R above CL
		Aroclor 1260	22400 µg/kg	22400J µg/kg	
RB-W-124-14-220927-00-01	PCBs	Aroclor 1260	35.4J µg/kg	35.4J µg/kg	Column Confirmation RPD above CL
RB-W-124-42-220927-00-01	PCBs	Aroclor 1248	46U µg/kg	46UJ µg/kg	MSD %R below CL
		Aroclor 1254	226 µg/kg	226J µg/kg	MSD %R below CL; MS/MSD RPD above CL
		Aroclor 1260	444 µg/kg	444J µg/kg	
SE-099-02-E-220927-00-0.5	Conventionals	TOC	9100 mg/kg	9100J mg/kg	FD RPD above CL
	PCBs	Aroclor 1260	739 µg/kg	739J µg/kg	
SE-099-02-E-220927-1.5-02	PCBs	Aroclor 1254	1680 µg/kg	1680J µg/kg	Column Confirmation RPD above CL
SE-099-02-E-BD0001	Conventionals	TOC	4150 mg/kg	4150J mg/kg	FD RPD above CL
	PCBs	Aroclor 1260	272 µg/kg	272J µg/kg	
SE-BW5A-1-B-3-4-220927-00-01	Conventionals	TOC	43600 mg/kg	43600J mg/kg	MSD %R below CL
SE-BW5A-1-B-4-220927-00-01	Conventionals	TOC	45400 mg/kg	45400J mg/kg	MSD %R below CL
SE-BW5A-1-B-C-2-3-220927-00-01	Conventionals	TOC	45600 mg/kg	45600J mg/kg	MSD %R below CL
SE-BW5A-1-C-D-5-6-220927-00-01	Conventionals	TOC	45300 mg/kg	45300J mg/kg	MSD %R below CL
SE-BW5A-1-D-3-4-220927-00-01	Conventionals	TOC	86400 mg/kg	86400J mg/kg	MSD %R below CL
SE-BW5A-1-D-4-5-220927-00-01	Conventionals	TOC	67600 mg/kg	67600J mg/kg	MSD %R below CL
SE-BW5A-1-D-5-220927-00-01	Conventionals	TOC	58700 mg/kg	58700J mg/kg	MSD %R below CL
SE-BW5A-1-D-E-3-4-220927-00-0.86	Conventionals	TOC	63700 mg/kg	63700J mg/kg	MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-1-D-E-4-5-220927-00-01	Conventionals	TOC	87500 mg/kg	87500J mg/kg	MSD %R below CL
RB-E-134-91-220928-00-01	PCBs	Aroclor 1254	3640 µg/kg	3640J µg/kg	Column Confirmation RPD above CL
RB-E-135-76-220928-00-01	PCBs	Aroclor 1260	50.2 µg/kg	50.2J µg/kg	FD difference above CL
RB-E-135-76-BD0001	PCBs	Aroclor 1260	220 µg/kg	220J µg/kg	FD difference above CL
RB-E-140-11-220928-00-01	PCBs	Aroclor 1254	2410 µg/kg	2410J µg/kg	Column Confirmation RPD above CL
RB-E-144-99-220928-00-01	PCBs	Aroclor 1254	6690 µg/kg	6690J µg/kg	Column Confirmation RPD above CL
RB-E-145-20-220928-00-01	PCBs	Aroclor 1254	6010 µg/kg	6010J µg/kg	Column Confirmation RPD above CL
RB-E-145-73-220928-00-01	PCBs	Aroclor 1254	496 µg/kg	496J µg/kg	Column Confirmation RPD above CL

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-1-C-2-220928-00-01	JD52922-1	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-E-F-2-3-BD0001	JD52922-10	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-E-F-3-4-220928-00-01	JD52922-11	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-12-220928-00-01	JD52922-12	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-13-220928-00-0.63	JD52922-13	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-2-220928-00-0.75	JD52922-14	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-G-2-3-220928-00-01	JD52922-15	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-F-G-3-4-220928-00-0.52	JD52922-16	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-G-3-220928-00-0.4	JD52922-17	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-G-3-4-220928-00-0.7	JD52922-18	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-C-D-2-220928-00-01	JD52922-2	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-C-D-2-3-220928-00-01	JD52922-3	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-2-220928-00-0.84	JD52922-4	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-2-3-220928-00-01	JD52922-5	JD52922	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-2G-220928-00-0.84	JD52922-6	JD52922	Sediment	GS, MC
SE-BW5A-1-E-F-2-220928-00-0.58	JD52922-7	JD52922	Sediment	PCBs, TS, TOC
RB-2209281453	JD52922-8	JD52922	Water	PCBs, TOC
SE-BW5A-1-E-F-2-3-220928-00-01	JD52922-9	JD52922	Sediment	PCBs, TS, TOC
RB-E-099-30-220927-00-01	JD52924-1	JD52924	Soil	PCBs, TS
RB-E-132-65-220927-00-01	JD52924-10	JD52924	Soil	PCBs, TS
RB-W-099-95-220927-00-01	JD52924-11	JD52924	Soil	PCBs, TS
RB-W-100-23-220927-00-01	JD52924-12	JD52924	Soil	PCBs, TS
RB-W-100-45-220927-00-01	JD52924-13	JD52924	Soil	PCBs, TS, GS, MC
RB-W-100-99-220927-00-01	JD52924-14	JD52924	Soil	PCBs, TS
RB-W-101-61-220927-00-01	JD52924-15	JD52924	Soil	PCBs, TS
RB-W-121-43-220927-00-01	JD52924-16	JD52924	Soil	PCBs, TS, GS, MC, SG, density
RB-W-121-97-220927-00-01	JD52924-17	JD52924	Soil	PCBs, TS
RB-W-122-73-220927-00-01	JD52924-18	JD52924	Soil	PCBs, TS
RB-W-123-27-220927-00-01	JD52924-19	JD52924	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-099-74-220927-00-01	JD52924-2	JD52924	Soil	PCBs, TS
RB-W-123-78-220927-00-01	JD52924-20	JD52924	Soil	PCBs, TS
RB-W-124-14-220927-00-01	JD52924-21	JD52924	Soil	PCBs, TS
RB-W-124-42-220927-00-01	JD52924-22	JD52924	Soil	PCBs, TS
RB-W-125-21-220927-00-01	JD52924-23	JD52924	Soil	PCBs, TS
RB-W-125-21-BD0001	JD52924-24	JD52924	Soil	PCBs, TS
RB-W-125-71-220927-00-01	JD52924-25	JD52924	Soil	PCBs, TS, GS, MC
RB-W-126-19-220927-00-01	JD52924-26	JD52924	Soil	PCBs, TS
RB-W-126-79-220927-00-01	JD52924-27	JD52924	Soil	PCBs, TS
RB-W-127-30-220927-00-01	JD52924-28	JD52924	Soil	PCBs, TS
RB-W-127-59-220927-00-01	JD52924-29	JD52924	Soil	PCBs, TS
RB-E-100-37-220927-00-01	JD52924-3	JD52924	Soil	PCBs, TS
RB-W-128-09-220927-00-01	JD52924-30	JD52924	Soil	PCBs, TS
RB-W-128-57-220927-00-01	JD52924-31	JD52924	Soil	PCBs, TS
RB-W-129-29-220927-00-01	JD52924-32	JD52924	Soil	PCBs, TS
RB-W-129-77-220927-00-01	JD52924-33	JD52924	Soil	PCBs, TS
RB-W-130-24-220927-00-01	JD52924-34	JD52924	Soil	PCBs, TS
RB-W-130-24-BD0001	JD52924-35	JD52924	Soil	PCBs, TS
RB-2209271344	JD52924-36	JD52924	Water	PCBs
RB-W-130-76-220927-00-01	JD52924-37	JD52924	Soil	PCBs, TS
RB-W-131-25-220927-00-01	JD52924-38	JD52924	Soil	PCBs, TS, GS, MC
RB-W-131-76-220927-00-01	JD52924-39	JD52924	Soil	PCBs, TS
RB-E-130-33-220927-00-01	JD52924-4	JD52924	Soil	PCBs, TS
RB-W-132-31-220927-00-01	JD52924-40	JD52924	Soil	PCBs, TS
RB-W-132-76-220927-00-01	JD52924-41	JD52924	Soil	PCBs, TS
RB-W-133-32-220927-00-01	JD52924-42	JD52924	Soil	PCBs, TS
RB-2209271321	JD52924-5	JD52924	Water	PCBs
RB-E-130-79-220927-00-01	JD52924-6	JD52924	Soil	PCBs, TS
RB-E-131-28-220927-00-01	JD52924-7	JD52924	Soil	PCBs, TS
RB-E-131-77-220927-00-01	JD52924-8	JD52924	Soil	PCBs, TS
RB-E-132-19-220927-00-01	JD52924-9	JD52924	Soil	PCBs, TS
SE-099-02-C-220927-0.5-01	JD52928-1	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-E-BD0001	JD52928-10	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-W-220927-0.5-01	JD52928-11	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-W-220927-00-0.5	JD52928-12	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-W-220927-01-1.5	JD52928-13	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-W-220927-1.5-1.94	JD52928-14	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-A-B-4-220927-00-01	JD52928-15	JD52928	Sediment	PCBs, TS, TOC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-1-B-3-4-220927-00-01	JD52928-16	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-B-4-220927-00-01	JD52928-17	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-B-C-2-3-220927-00-01	JD52928-18	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-C-D-5-6-220927-00-01	JD52928-19	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-C-220927-00-0.5	JD52928-2	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-3-4-220927-00-01	JD52928-20	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-4-5-220927-00-01	JD52928-21	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-5-220927-00-01	JD52928-22	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-3-4-220927-00-0.86	JD52928-23	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-4-5-220927-00-01	JD52928-24	JD52928	Sediment	PCBs, TS, TOC
SE-BW5A-1-D-E-4-5G-220927-00-01	JD52928-25	JD52928	Sediment	GS, MC
SE-099-02-C-220927-01-1.5	JD52928-3	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-C-220927-1.5-02	JD52928-4	JD52928	Sediment	PCBs, TS, TOC
RB-2209271417	JD52928-5	JD52928	Water	PCBs, TOC
SE-099-02-E-220927-0.5-01	JD52928-6	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-E-220927-00-0.5	JD52928-7	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-E-220927-01-1.5	JD52928-8	JD52928	Sediment	PCBs, TS, TOC
SE-099-02-E-220927-1.5-02	JD52928-9	JD52928	Sediment	PCBs, TS, TOC
RB-E-133-17-220928-00-01	JD52930-1	JD52930	Soil	PCBs, TS
RB-E-138-63-220928-00-01	JD52930-10	JD52930	Soil	PCBs, TS
RB-E-139-13-220928-00-01	JD52930-11	JD52930	Soil	PCBs, TS
RB-E-139-57-220928-00-01	JD52930-12	JD52930	Soil	PCBs, TS, GS, MC
RB-E-140-11-220928-00-01	JD52930-13	JD52930	Soil	PCBs, TS
RB-E-140-51-220928-00-01	JD52930-14	JD52930	Soil	PCBs, TS
RB-E-140-86-220928-00-01	JD52930-15	JD52930	Soil	PCBs, TS
RB-E-141-44-220928-00-01	JD52930-16	JD52930	Soil	PCBs, TS
RB-E-141-84-220928-00-01	JD52930-17	JD52930	Soil	PCBs, TS, GS, MC
RB-E-143-65-220928-00-01	JD52930-18	JD52930	Soil	PCBs, TS
RB-E-144-53-220928-00-01	JD52930-19	JD52930	Soil	PCBs, TS
RB-2209281435	JD52930-2	JD52930	Water	PCBs
RB-E-144-99-220928-00-01	JD52930-20	JD52930	Soil	PCBs, TS
RB-E-145-20-220928-00-01	JD52930-21	JD52930	Soil	PCBs, TS
RB-E-145-73-220928-00-01	JD52930-22	JD52930	Soil	PCBs, TS
RB-E-146-29-220928-00-01	JD52930-23	JD52930	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-146-85-220928-00-01	JD52930-24	JD52930	Soil	PCBs, TS
RB-E-147-17-220928-00-01	JD52930-25	JD52930	Soil	PCBs, TS
RB-E-147-56-220928-00-01	JD52930-26	JD52930	Soil	PCBs, TS, GS, MC
RB-E-147-84-220928-00-01	JD52930-27	JD52930	Soil	PCBs, TS
RB-W-133-87-220928-00-01	JD52930-28	JD52930	Soil	PCBs, TS
RB-W-134-48-220928-00-01	JD52930-29	JD52930	Soil	PCBs, TS
RB-E-133-61-220928-00-01	JD52930-3	JD52930	Soil	PCBs, TS
RB-W-134-48-BD0001	JD52930-30	JD52930	Soil	PCBs, TS
RB-W-134-99-220928-00-01	JD52930-31	JD52930	Soil	PCBs, TS
RB-W-135-57-220928-00-01	JD52930-32	JD52930	Soil	PCBs, TS, GS, MC
RB-W-136-27-220928-00-01	JD52930-33	JD52930	Soil	PCBs, TS
RB-W-136-74-220928-00-01	JD52930-34	JD52930	Soil	PCBs, TS
RB-W-137-05-220928-00-01	JD52930-35	JD52930	Soil	PCBs, TS
RB-W-137-50-220928-00-01	JD52930-36	JD52930	Soil	PCBs, TS
RB-W-138-80-220928-00-01	JD52930-37	JD52930	Soil	PCBs, TS
RB-W-139-23-220928-00-01	JD52930-38	JD52930	Soil	PCBs, TS
RB-W-139-74-220928-00-01	JD52930-39	JD52930	Soil	PCBs, TS, GS, MC, SG, density
RB-E-134-02-220928-00-01	JD52930-4	JD52930	Soil	PCBs, TS
RB-2209281424	JD52930-40	JD52930	Water	PCBs
RB-W-140-19-220928-00-01	JD52930-41	JD52930	Soil	PCBs, TS
RB-W-140-86-220928-00-01	JD52930-42	JD52930	Soil	PCBs, TS
RB-W-141-59-220928-00-01	JD52930-43	JD52930	Soil	PCBs, TS
RB-W-142-38-220928-00-01	JD52930-44	JD52930	Soil	PCBs, TS
RB-W-142-62-220928-00-01	JD52930-45	JD52930	Soil	PCBs, TS
RB-W-142-93-220928-00-01	JD52930-46	JD52930	Soil	PCBs, TS
RB-W-143-20-220928-00-01	JD52930-47	JD52930	Soil	PCBs, TS
RB-W-143-84-220928-00-01	JD52930-48	JD52930	Soil	PCBs, TS
RB-W-144-68-220928-00-01	JD52930-49	JD52930	Soil	PCBs, TS
RB-E-134-91-220928-00-01	JD52930-5	JD52930	Soil	PCBs, TS
RB-W-145-21-220928-00-01	JD52930-50	JD52930	Soil	PCBs, TS
RB-W-147-98-220928-00-01	JD52930-51	JD52930	Soil	PCBs, TS
RB-E-135-36-220928-00-01	JD52930-6	JD52930	Soil	PCBs, TS
RB-E-135-76-220928-00-01	JD52930-7	JD52930	Soil	PCBs, TS
RB-E-135-76-BD0001	JD52930-8	JD52930	Soil	PCBs, TS
RB-E-137-94-220928-00-01	JD52930-9	JD52930	Soil	PCBs, TS

Data Validation Report – EPA Stage 2A

April 17, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0068

This report summarizes the review of analytical results for 75 soil samples, 145 sediment samples, 9 field duplicate samples, and 6 equipment rinsate blanks collected in September and October 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Specific gravity by ASTM D1429
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes with the following exception.

- Aroclor Batch OP42315 – The Aroclor 1260 method blank result was detected. One associated batch sample result was not greater than five (5X) times the blank contamination and was qualified "U".

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Six equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and four were analyzed for TOC. All results were below detection, with the exception of the TOC result for RB-2209301334. Associated sample results were significantly greater than (greater than five times) the level detected in the blank, so no data were qualified.

Field Duplicates

Ten field duplicates were collected in association with these sample sets. Detected results in the remaining are summarized in Table 1. Results that were less than five times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

The sample SE-E-OWB3-01-220930-01-1.5 was dropped at the laboratory and was not able to be analyzed. The sample SE-E-OWB3-01-BD0001 was the field duplicate performed on that sample and was able to be reported. Only nine field duplicate sets were able to be used in the comparisons.

Table 1
Field Duplicate Summary

Analyte	SE-OWB2-03-220930-0.5-01	SE-OWB2-03-BD0001	RPD	Difference	Difference CL
TOC	33600 mg/kg	45700 mg/kg	31%	--	--
Total solids	62.2%	52.9%	16%	--	--
Aroclor 1254	54.1 µg/kg	84.8 µg/kg	--	30.7 µg/kg	96 µg/kg
Aroclor 1260	81.4 µg/kg	106 µg/kg	--	24.6 µg/kg	96 µg/kg

Analyte	RB-E-169-57-221003-00-01	RB-E-169-57-BD0001	RPD	Difference	Difference CL
Total solids	67.1%	64.7%	4%	--	--
Aroclor 1254	846 µg/kg	591 µg/kg	35%	--	--
Aroclor 1260	4490 µg/kg	3170 µg/kg	34%	--	--

Analyte	SE-086-13-E-220929-00-0.5	SE-086-13-E-BD0001	RPD	Difference	Difference CL
TOC	1230 mg/kg	1310 mg/kg	6%	--	--
Total solids	78.6%	72.1%	9%	--	--
Aroclor 1260	35.1 µg/kg	48.4 µg/kg	--	13.3 µg/kg	80 µg/kg

Analyte	SE-091-28-W-220929-00-0.5	SE-091-28-W-BD0001	RPD	Difference	Difference CL
TOC	3290 mg/kg	12200 mg/kg	115%	--	--
Total solids	72.8%	56.1%	26%	--	--
Aroclor 1254	181 µg/kg	250 µg/kg	--	69 µg/kg	80 µg/kg
Aroclor 1260	433 µg/kg	702 µg/kg	47%	--	--

Analyte	SE-093-75-E-220929-0.5-01	SE-093-75-E-BD0001	RPD	Difference	Difference CL
TOC	1830 mg/kg	3750 mg/kg	69%	--	--
Total solids	76.9%	74.9%	3%	--	--
Aroclor 1254	318 µg/kg	341 µg/kg	7%	--	--
Aroclor 1260	2060 µg/kg	1440 µg/kg	35%	--	--

Analyte	SE-096-27-W-221003-01-1.5	SE-096-27-W-BD0001	RPD	Difference	Difference CL
TOC	6830 mg/kg	4230 mg/kg	47%	--	--
Total solids	72.2%	76.5%	6%	--	--
Aroclor 1254	2540 µg/kg	358 µg/kg	151%	--	--
Aroclor 1260	11700 µg/kg	1070 µg/kg	166%	--	--

Analyte	SE-104-10-W-221003-1.5-1.77	SE-104-10-W-BD0001	RPD	Difference	Difference CL
TOC	19900 mg/kg	8720 mg/kg	78%	--	--
Total solids	63.2%	70.9%	11%	--	--
Aroclor 1254	1310 µg/kg	364 µg/kg	113%	--	--
Aroclor 1260	6500 µg/kg	2280 µg/kg	96%	--	--

Analyte	RB-E-160-37-220929-00-01	RB-E-160-37-BD0001	RPD	Difference	Difference CL
Total solids	72%	70.1%	3%	--	--
Aroclor 1254	864 µg/kg	817 µg/kg	6%	--	--
Aroclor 1260	4110 µg/kg	2730 µg/kg	40%	--	--

Analyte	RB-W-156-74-220930-00-01	RB-W-156-74-BD0001	RPD	Difference	Difference CL
Total solids	71%	70.9%	0%	--	--
Aroclor 1254	139 µg/kg	126 µg/kg	--	13 µg/kg	86 µg/kg
Aroclor 1260	599 µg/kg	626 µg/kg	4%	--	--

Notes:
µg/kg: microgram per kilogram
CL: control limit
mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however;

data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD53097
 - Tetrachloro-m-xylene (TMX) recovered above the control limit in both columns in the analysis of sample SE-091-28-W-220929-0.5-01. The sample results were qualified "J".
- SDG JD53101
 - TMX and Decachlorobiphenyl (DCB) recovered below the control limit in the analysis of sample RB-2210031517. The sample results have been qualified "UJ".
 - DCB recovered above the control limit in the second column analysis of samples SE-109-32-W-221003-0.5-01 and SE-109-32-W-221003-00-0.5. The Aroclor 1248 and Aroclor 1254 results have been qualified "J".
- SDG JD523104
 - DCB recovered below the control limit in the analysis of sample RB-2209301317. The sample results have been qualified "UJ".
 - DCB recovered above the control limit in the analysis of sample RB-E-160-37-220929-00-01. The detected results have been qualified "J".

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD53086 – The RPD values for Aroclor 1254 were above the control limit in the analysis of RB-E-166-07-221003-00-01 and RB-E-169-57-BD0001. The Aroclor 1254 results have been qualified "J" as estimated.
- SDG JD53097 – The RPD value for Aroclor 1254 was above the control limit for samples SE-091-28-C-220929-02-2.12 and SE-093-75-C-220929-1.5-1.64. Associated sample results have been qualified "J" as estimated.
- SDG JD53101 – Eleven samples had an RPD value for Aroclor 1254 was above the control limit. Associated sample results have been qualified "J" to indicate they are estimated.
- SDG JD53104 – The RPD value for Aroclor 1254 was above the control limit in the analysis of sample RB-E-157-42-220929-00-01. Associated sample results have been qualified "J" to indicate they are estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD53079
 - Aroclor 1016 recovered above the control limit in the MSD analyzed on sample SE-E-OWB2-03-220930-00-0.5. Associated sample results were below detection, so no data were qualified.
 - Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample SE-E-OWB2-03-220930-00-0.5. Parent sample results were qualified "J" to indicate a potentially high bias.
 - TOC recovered below the control limit in the MS and MSD analyzed in batches GP43000 and GP43034. Associated batch samples have been qualified "J" to indicate they are estimated.
- SDG JD53097
 - Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample SE-091-28-C-220929-01-1.5. Associated parent sample results were qualified "J" to indicate a potentially high bias.
 - Aroclor 1016 recovered below the control limit in the MS and MSD analyzed on sample SE-093-75-E-220929-00-0.5, and the RPD recovered above the control limit. The sample results were qualified "UJ".
 - Aroclor 1260 recovered below the control limit in the MS and MSD analyzed on sample SE-093-75-E-220929-00-0.5, and the RPD recovered above the control limit. The detected sample results were qualified "J" to indicate a potentially low bias. The Aroclor 1248 result was not detected and was rejected due to MS and MSD recoveries less than 10%.
 - Aroclor 1016 recovered above the control limit in the MSD analyzed on sample SE-091-28-W-220929-0.5-01, and the RPD recovered above the control limit. The sample results were not detectable, and no qualifications were necessary.
 - The Aroclor 1260 RPD value between the MS and MSD was above the control limit for sample SE-091-28-W-220929-0.5-01. The detectable sample results were qualified "J" to indicate a potentially high bias.
 - TOC recovered below the control limit in the MS and MSD in batches GP42982 and GP42988. Associated batch samples have been qualified "J" to indicate they are estimated. TOC recovered below the control limit in the MSD in batch GP42986. Associated batch samples have been qualified "J" to indicate they are estimated.

- SDG JD53101
 - Aroclor 1016 recovered above the control limit in the MS and MSDs analyzed on samples RB-E-149-94-220929-00-01 and SE-096-27-W-221003-0.5-01. Associated sample results were below detection, so no data were qualified.
 - Aroclor 1016 recovered below the control limit in the MS and above the control limit in the MSD analyzed on sample SE-104-10-W-221003-01-1.5 and the RPD was above the control limit. MS recovery was less than 10%, so parent sample results have been rejected.
 - TOC recovered below the control limit in the MSD analyzed on in batch GP43054, and the RPD was above the control limit. Associated batch sample results have been qualified "J" to indicate they are estimated.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Five results in two samples were rejected due to low/no matrix spike recovery. Completeness was greater than 99%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- | | |
|----|--|
| U | Indicates the compound or analyte was analyzed for but not detected at or above the specified limit. |
| J | Indicates an estimated value. |
| UJ | Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated. |
| R | Indicates result is rejected and unusable |

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-E-OWB2-03-220930-00-0.5	PCBs	Aroclor 1254	33.9J µg/kg	33.9J µg/kg	MS/MSD %R above CL
		Aroclor 1260	54.9 µg/kg	54.9J µg/kg	
SE-E-OWB2-04-220930-0.5-01	Conventionals	TOC	15600 mg/kg	15600J mg/kg	MS/MSD %R below CL
SE-E-OWB2-04-220930-00-0.5	Conventionals	TOC	44400 mg/kg	44400J mg/kg	MS/MSD %R below CL
SE-E-OWB2-05-220930-0.5-01	Conventionals	TOC	21900 mg/kg	21900J mg/kg	MS/MSD %R below CL
SE-E-OWB2-05-220930-00-0.5	Conventionals	TOC	1670 mg/kg	1670J mg/kg	MS/MSD %R below CL
SE-E-OWB2-05-220930-01-1.5	Conventionals	TOC	9870 mg/kg	9870J mg/kg	MS/MSD %R below CL
SE-E-OWB2-06-220930-0.5-01	Conventionals	TOC	17400 mg/kg	17400J mg/kg	MS/MSD %R below CL
SE-E-OWB2-06-220930-00-0.5	Conventionals	TOC	7900 mg/kg	7900J mg/kg	MS/MSD %R below CL
SE-E-OWB2-06-220930-01-1.28	Conventionals	TOC	35200 mg/kg	35200J mg/kg	MS/MSD %R below CL
SE-E-OWB2-07-220930-0.5-01	Conventionals	TOC	26600 mg/kg	26600J mg/kg	MS/MSD %R below CL
SE-E-OWB2-07-220930-00-0.5	Conventionals	TOC	2440 mg/kg	2440J mg/kg	MS/MSD %R below CL
SE-E-OWB3-01-220930-1.5-1.95	Conventionals	TOC	2060 mg/kg	2060J mg/kg	MS/MSD %R below CL
SE-E-OWB3-01-BD0001	Conventionals	TOC	1930 mg/kg	1930J mg/kg	MS/MSD %R below CL
SE-E-OWB3-02-220930-0.5-01	Conventionals	TOC	8950 mg/kg	8950J mg/kg	MS/MSD %R below CL
SE-E-OWB3-02-220930-00-0.5	Conventionals	TOC	15000 mg/kg	15000J mg/kg	MS/MSD %R below CL
SE-E-OWB3-02-220930-01-1.27	Conventionals	TOC	1940 mg/kg	1940J mg/kg	MS/MSD %R below CL
SE-E-OWB3-03-220930-0.5-01	Conventionals	TOC	67000 mg/kg	67000J mg/kg	MS/MSD %R below CL
SE-E-OWB3-03-220930-00-0.5	Conventionals	TOC	28100 mg/kg	28100J mg/kg	MS/MSD %R below CL
SE-E-OWB3-03-220930-01-1.5	Conventionals	TOC	98600 mg/kg	98600J mg/kg	MS/MSD %R below CL
SE-E-OWB3-03-220930-1.5-1.7	Conventionals	TOC	132000 mg/kg	132000J mg/kg	MS/MSD %R below CL
RB-E-166-07-221003-00-01	PCBs	Aroclor 1254	810 µg/kg	810J µg/kg	Column Confirmation RPD above CL
RB-E-169-57-BD0001	PCBs	Aroclor 1254	591 µg/kg	591J µg/kg	Column Confirmation RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-086-13-W-220929-0.5-01	Conventionals	TOC	1410 mg/kg	1410J mg/kg	MS/MSD %R below CL
SE-086-13-W-220929-00-0.5	Conventionals	TOC	3560 mg/kg	3560J mg/kg	MS/MSD %R below CL
SE-086-13-W-220929-01-1.5	Conventionals	TOC	1120 mg/kg	1120J mg/kg	MS/MSD %R below CL
SE-086-13-W-220929-1.5-1.97	Conventionals	TOC	1280 mg/kg	1280J mg/kg	MS/MSD %R below CL
SE-088-70-C-220929-0.5-01	Conventionals	TOC	658 mg/kg	658J mg/kg	MS/MSD %R below CL
SE-088-70-C-220929-00-0.5	Conventionals	TOC	11000 mg/kg	11000J mg/kg	MS/MSD %R below CL
SE-088-70-C-220929-01-1.5	Conventionals	TOC	1040 mg/kg	1040J mg/kg	MS/MSD %R below CL
SE-088-70-C-220929-1.5-1.71	Conventionals	TOC	13200 mg/kg	13200J mg/kg	MS/MSD %R below CL
SE-088-70-E-220929-0.5-01	Conventionals	TOC	865 mg/kg	865J mg/kg	MS/MSD %R below CL
SE-088-70-E-220929-00-0.5	Conventionals	TOC	2980 mg/kg	2980J mg/kg	MS/MSD %R below CL
SE-088-70-E-220929-01-1.5	Conventionals	TOC	651 mg/kg	651J mg/kg	MSD %R below CL
SE-088-70-E-220929-1.5-02	Conventionals	TOC	1470 mg/kg	1470J mg/kg	MSD %R below CL
SE-088-70-W-220929-0.5-01	Conventionals	TOC	1330 mg/kg	1330J mg/kg	MSD %R below CL
SE-088-70-W-220929-00-0.5	Conventionals	TOC	1740 mg/kg	1740J mg/kg	MSD %R below CL
SE-088-70-W-220929-01-1.5	Conventionals	TOC	2080 mg/kg	2080J mg/kg	MSD %R below CL
SE-088-70-W-220929-1.5-02	Conventionals	TOC	12500 mg/kg	12500J mg/kg	MSD %R below CL
SE-091-28-C-220929-0.5-01	Conventionals	TOC	1940 mg/kg	1940J mg/kg	MSD %R below CL
SE-091-28-C-220929-00-0.5	Conventionals	TOC	2280 mg/kg	2280J mg/kg	MSD %R below CL
SE-091-28-C-220929-01-1.5	Conventionals	TOC	2090 mg/kg	2090J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	166 µg/kg	166J µg/kg	MS/MSD %R above CL
		Aroclor 1260	320 µg/kg	320J µg/kg	
SE-091-28-C-220929-02-2.12	Conventionals	TOC	9500 mg/kg	9500J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	328 µg/kg	328J µg/kg	Column Confirmation RPD above CL
SE-091-28-C-220929-1.5-02	Conventionals	TOC	3790 mg/kg	3790J mg/kg	MS/MSD %R below CL
SE-091-28-E-220929-0.5-01	Conventionals	TOC	1600 mg/kg	1600J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-091-28-E-220929-00-0.5	Conventionals	TOC	1700 mg/kg	1700J mg/kg	MS/MSD %R below CL
SE-091-28-E-220929-01-1.19	Conventionals	TOC	1160 mg/kg	1160J mg/kg	MS/MSD %R below CL
SE-091-28-W-220929-0.5-01	Conventionals	TOC	27000 mg/kg	27000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	51.5J µg/kg	51.5J µg/kg	MS/MSD RPD above CL; Surrogate %R above CL
SE-091-28-W-220929-00-0.5	Conventionals	TOC	3290 mg/kg	3290J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-091-28-W-220929-01-1.5	Conventionals	TOC	14600 mg/kg	14600J mg/kg	MS/MSD %R below CL
SE-091-28-W-220929-1.5-1.7	Conventionals	TOC	1700 mg/kg	1700J mg/kg	MS/MSD %R below CL
SE-091-28-W-BD0001	Conventionals	TOC	12200 mg/kg	12200J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-093-75-C-220929-0.5-01	Conventionals	TOC	6680 mg/kg	6680J mg/kg	MS/MSD %R below CL
SE-093-75-C-220929-1.5-1.64	PCBs	Aroclor 1254	152 µg/kg	152J µg/kg	Column Confirmation RPD above CL
SE-093-75-E-220929-0.5-01	Conventionals	TOC	1830 mg/kg	1830J mg/kg	FD RPD above CL
SE-093-75-E-220929-00-0.5	PCBs	Aroclor 1016	61U µg/kg	61UJ µg/kg	MS/MSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248	61U µg/kg	61R µg/kg	MS and MSD %R below 10%
		Aroclor 1254	176 µg/kg	176J µg/kg	MS and MSD %R below CL; MS/MSD RPD above CL
		Aroclor 1260	551 µg/kg	551J µg/kg	
SE-093-75-E-BD0001	Conventionals	TOC	3750 mg/kg	3750J mg/kg	FD RPD above CL
SE-093-75-W-220929-1.5-02	Conventionals	TOC	11500 mg/kg	11500J mg/kg	MS/MSD %R below CL
SE-096-27-C-221003-1.5-1.67	Conventionals	TOC	1300 mg/kg	1300J mg/kg	MS/MSD %R below CL
SE-096-27-W-221003-01-1.5	PCBs	Aroclor 1254	2540 µg/kg	2540J µg/kg	FD RPD above CL
		Aroclor 1260	11700 µg/kg	11700J µg/kg	
SE-096-27-W-221003-1.5-1.8	Conventionals	TOC	766 mg/kg	766J mg/kg	MS/MSD %R below CL
SE-096-27-W-BD0001	Conventionals	TOC	358 mg/kg	358J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1070 µg/kg	1070J µg/kg	FD RPD above CL
		Aroclor 1260	4230 µg/kg	4230J µg/kg	
SE-101-54-C-221003-0.5-01	Conventionals	TOC	742 mg/kg	742J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-101-54-C-221003-00-0.5	Conventionals	TOC	7600 mg/kg	7600J mg/kg	MS/MSD %R below CL
SE-101-54-C-221003-01-1.5	Conventionals	TOC	517 mg/kg	517J mg/kg	MS/MSD %R below CL
SE-101-54-E-221003-0.5-01	Conventionals	TOC	17000 mg/kg	17000J mg/kg	MS/MSD %R below CL
SE-101-54-E-221003-00-0.5	Conventionals	TOC	3040 mg/kg	3040J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	304 µg/kg	304J µg/kg	Column Confirmation RPD above CL
SE-101-54-E-221003-01-1.5	Conventionals	TOC	636 mg/kg	636J mg/kg	MS/MSD %R below CL
SE-101-54-E-221003-1.5-1.75	Conventionals	TOC	852 mg/kg	852J mg/kg	MS/MSD %R below CL
SE-101-54-W-221003-0.5-01	Conventionals	TOC	3080 mg/kg	3080J mg/kg	MS/MSD %R below CL
SE-101-54-W-221003-00-0.5	Conventionals	TOC	1720 mg/kg	1720J mg/kg	MS/MSD %R below CL
SE-101-54-W-221003-01-1.5	Conventionals	TOC	4640 mg/kg	4640J mg/kg	MS/MSD %R below CL
SE-101-54-W-221003-1.5-1.92	Conventionals	TOC	28700 mg/kg	28700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	2860 µg/kg	2860J µg/kg	Column Confirmation RPD above CL
SE-104-10-C-221003-0.5-01	Conventionals	TOC	4630 mg/kg	4630J mg/kg	MS/MSD %R below CL
SE-104-10-C-221003-0.5-01	PCBs	Aroclor 1254	348 µg/kg	348J µg/kg	Column Confirmation RPD above CL
	Conventionals	TOC	1690 mg/kg	1690J mg/kg	MS/MSD %R below CL
SE-104-10-C-221003-01-1.5	Conventionals	TOC	974 mg/kg	974J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	200 µg/kg	200J µg/kg	Column Confirmation RPD above CL
SE-104-10-C-221003-1.5-1.77	Conventionals	TOC	21300 mg/kg	21300J mg/kg	MS/MSD %R below CL
SE-104-10-E-221003-0.5-01	Conventionals	TOC	10400 mg/kg	10400J mg/kg	MS/MSD %R below CL
SE-104-10-E-221003-00-0.5	Conventionals	TOC	2660 mg/kg	2660J mg/kg	MS/MSD %R below CL
SE-104-10-E-221003-01-1.5	Conventionals	TOC	857 mg/kg	857J mg/kg	MSD %R below CL, MS/MSD RPD above CL
SE-104-10-E-221003-1.5-1.85	Conventionals	TOC	882 mg/kg	882J mg/kg	MSD %R below CL, MS/MSD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2210031517	PCBs	Aroclor 1016	0.4U µg/kg	0.4UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-104-10-W-221003-0.5-01	Conventionals	TOC	2200 mg/kg	2200J mg/kg	MSD %R below CL, MS/MSD RPD above CL
SE-104-10-W-221003-00-0.5	Conventionals	TOC	1560 mg/kg	1560J mg/kg	MSD %R below CL, MS/MSD RPD above CL
SE-104-10-W-221003-01-1.5	Conventionals	TOC	3800 mg/kg	3800J mg/kg	MSD %R below CL, MS/MSD RPD above CL
	PCBs	Aroclor 1016	410U µg/kg	410R µg/kg	MS/MSD %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1254	4150 µg/kg	4150J µg/kg	Column Confirmation RPD above CL
SE-104-10-W-221003-1.5-1.77	Conventionals	TOC	19900 mg/kg	19900J mg/kg	MSD %R below CL, MS/MSD RPD above CL, FD RPD above CL
	PCBs	Aroclor 1254	1310 µg/kg	1310J µg/kg	FD RPD above CL
		Aroclor 1260	6500 µg/kg	6500J µg/kg	
SE-104-10-W-BD0001	Conventionals	TOC	8720 mg/kg	8720J mg/kg	MSD %R below CL, MS/MSD RPD above CL, FD RPD above CL
	PCBs	Aroclor 1254	364 µg/kg	364J µg/kg	Column Confirmation RPD above CL, FD RPD above CL
		Aroclor 1260	2280 µg/kg	2280J µg/kg	FD RPD above CL
SE-106-72-C-221003-0.5-01	Conventionals	TOC	309 mg/kg	309J mg/kg	MSD %R below CL, MS/MSD RPD above CL
SE-106-72-C-221003-00-0.5	Conventionals	TOC	1030 mg/kg	1030J mg/kg	MSD %R below CL, MS/MSD RPD above CL
	PCBs	Aroclor 1254	26.4J µg/kg	26.4J µg/kg	Column Confirmation RPD above CL
SE-106-72-C-221003-01-1.5	Conventionals	TOC	578 mg/kg	578J mg/kg	MSD %R below CL, MS/MSD RPD above CL
SE-106-72-C-221003-1.5-1.8	Conventionals	TOC	444 mg/kg	444J mg/kg	MS/MSD %R below CL
SE-106-72-E-221003-0.5-01	Conventionals	TOC	422 mg/kg	422J mg/kg	MS/MSD %R below CL
SE-106-72-E-221003-00-0.5	Conventionals	TOC	6720 mg/kg	6720J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-106-72-E-221003-01-1.5	Conventionals	TOC	374 mg/kg	374J mg/kg	MS/MSD %R below CL
SE-106-72-E-221003-1.5-1.55	Conventionals	TOC	578 mg/kg	578J mg/kg	MS/MSD %R below CL
SE-106-72-W-221003-0.5-01	Conventionals	TOC	794 mg/kg	794J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	122 µg/kg	122J µg/kg	Column Confirmation RPD above CL
SE-106-72-W-221003-00-0.5	Conventionals	TOC	1100 mg/kg	1100J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	78.8 µg/kg	78.8J µg/kg	Column Confirmation RPD above CL
SE-106-72-W-221003-01-1.15	Conventionals	TOC	1390 mg/kg	1390J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	122 µg/kg	122J µg/kg	Column Confirmation RPD above CL
SE-109-32-C-221003-0.5-01	Conventionals	TOC	2660 mg/kg	2660J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	35.8J µg/kg	35.8J µg/kg	Column Confirmation RPD above CL
SE-109-32-C-221003-00-0.5	Conventionals	TOC	4100 mg/kg	4100J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	60.1 µg/kg	60.1J µg/kg	Column Confirmation RPD above CL
SE-109-32-C-221003-01-1.5	Conventionals	TOC	646 mg/kg	646J mg/kg	MSD %R below CL
SE-109-32-C-221003-1.5-1.62	Conventionals	TOC	447 mg/kg	447J mg/kg	MSD %R below CL
SE-109-32-E-221003-0.5-01	Conventionals	TOC	555 mg/kg	555J mg/kg	MSD %R below CL
SE-109-32-E-221003-00-0.5	Conventionals	TOC	10800 mg/kg	10800J mg/kg	MSD %R below CL
SE-109-32-E-221003-01-1.5	Conventionals	TOC	737 mg/kg	737J mg/kg	MSD %R below CL
SE-109-32-W-221003-0.5-01	Conventionals	TOC	1320 mg/kg	1320J mg/kg	MSD %R below CL
	PCBs	Aroclor 1248	321 µg/kg	321J µg/kg	Surrogate %R above CL
		Aroclor 1254	642 µg/kg	642J µg/kg	
SE-109-32-W-221003-00-0.5	PCBs	Aroclor 1248	93 µg/kg	93J µg/kg	Surrogate %R above CL
		Aroclor 1254	274 µg/kg	274J µg/kg	Column Confirmation RPD above CL, Surrogate %R above CL
SE-109-32-W-221003-01-1.5	PCBs	Aroclor 1254	128 µg/kg	128J µg/kg	Column Confirmation RPD above CL
RB-E-157-42-220929-00-01	PCBs	Aroclor 1254	66.6 µg/kg	66.6J µg/kg	Column Confirmation RPD above CL
RB-E-160-37-220929-00-01	PCBs	Aroclor 1254	864 µg/kg	864J µg/kg	Surrogate %R above CL
		Aroclor 1260	4110 µg/kg	4110J µg/kg	
RB-E-161-62-220929-00-01	PCBs	Aroclor 1260	137 µg/kg	137U µg/kg	Method Blank above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2209301317	PCBs	Aroclor 1016	0.4U µg/kg	0.4UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-E-OWB2-01-220930-0.5-0.96	JD53079-1	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-01-220930-00-0.5	JD53079-2	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-02-220930-0.5-01	JD53079-3	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-02-220930-00-0.5	JD53079-4	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-02-220930-01-1.25	JD53079-5	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-03-220930-0.5-01	JD53079-6	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-03-220930-00-0.5	JD53079-7	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-03-220930-01-1.5	JD53079-8	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-03-220930-1.5-1.65	JD53079-9	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-03-BD0001	JD53079-10	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-04-220930-0.5-01	JD53079-11	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-04-220930-00-0.5	JD53079-12	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-05-220930-0.5-01	JD53079-13	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-05-220930-00-0.5	JD53079-14	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-05-220930-01-1.5	JD53079-15	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-06-220930-0.5-01	JD53079-16	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-06-220930-00-0.5	JD53079-17	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-06-220930-01-1.28	JD53079-18	JD53079	Sediment	PCBs, TOC, TS
RB-2209301334	JD53079-19	JD53079	Water	PCBs, TOC
SE-E-OWB2-07-220930-0.5-01	JD53079-20	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-07-220930-00-0.5	JD53079-21	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-07-220930-01-1.5	JD53079-22	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-08-220930-0.5-01	JD53079-23	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-08-220930-00-0.5	JD53079-24	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-08-220930-01-1.5	JD53079-25	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-09-220930-0.5-01	JD53079-26	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-09-220930-00-0.5	JD53079-27	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB2-09-220930-01-1.5	JD53079-28	JD53079	Sediment	PCBs, TOC, TS
RB-2209301356	JD53079-29	JD53079	Water	PCBs, TOC
SE-E-OWB3-01-220930-0.5-01	JD53079-30	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB3-01-220930-00-0.5	JD53079-31	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB3-01-220930-1.5-1.95	JD53079-33	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB3-01-BD0001	JD53079-34	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB3-02-220930-0.5-01	JD53079-35	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB3-02-220930-00-0.5	JD53079-36	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB3-02-220930-01-1.27	JD53079-37	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB3-03-220930-0.5-01	JD53079-38	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB3-03-220930-00-0.5	JD53079-39	JD53079	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-E-OWB3-03-220930-01-1.5	JD53079-40	JD53079	Sediment	PCBs, TOC, TS
SE-E-OWB3-03-220930-1.5-1.7	JD53079-41	JD53079	Sediment	PCBs, TOC, TS
RB-E-163-60-221003-00-01	JD53086-1	JD53086	Soil	PCBs, TS
RB-E-164-15-221003-00-01	JD53086-2	JD53086	Soil	PCBs, TS
RB-E-164-58-221003-00-01	JD53086-3	JD53086	Soil	PCBs, TS
RB-E-165-11-221003-00-01	JD53086-4	JD53086	Soil	PCBs, TS
RB-E-165-55-221003-00-01	JD53086-5	JD53086	Soil	PCBs, TS
RB-E-166-07-221003-00-01	JD53086-6	JD53086	Soil	PCBs, TS
RB-E-166-56-221003-00-01	JD53086-7	JD53086	Soil	PCBs, TS
RB-E-167-04-221003-00-01	JD53086-8	JD53086	Soil	PCBs, TS
RB-E-167-56-221003-00-01	JD53086-9	JD53086	Soil	PCBs, TS, GS, MC
RB-2210031009	JD53086-10	JD53086	Water	PCBs
RB-E-168-26-221003-00-01	JD53086-11	JD53086	Soil	PCBs, TS
RB-E-168-70-221003-00-01	JD53086-12	JD53086	Soil	PCBs, TS
RB-E-169-26-221003-00-01	JD53086-13	JD53086	Soil	PCBs, TS
RB-E-169-57-221003-00-01	JD53086-14	JD53086	Soil	PCBs, TS
RB-E-169-57-BD0001	JD53086-15	JD53086	Soil	PCBs, TS
RB-E-170-01-221003-00-01	JD53086-16	JD53086	Soil	PCBs, TS
RB-E-170-49-221003-00-01	JD53086-17	JD53086	Soil	PCBs, TS
RB-E-170-96-221003-00-01	JD53086-18	JD53086	Soil	PCBs, TS
RB-E-171-43-221003-00-01	JD53086-19	JD53086	Soil	PCBs, TS
RB-E-171-88-221003-00-01	JD53086-20	JD53086	Soil	PCBs, TS
RB-E-172-33-221003-00-01	JD53086-21	JD53086	Soil	PCBs, TS, GS, MC
RB-E-172-71-221003-00-01	JD53086-22	JD53086	Soil	PCBs, TS
RB-E-173-09-221003-00-01	JD53086-23	JD53086	Soil	PCBs, TS
RB-E-173-31-221003-00-01	JD53086-24	JD53086	Soil	PCBs, TS
RB-E-173-75-221003-00-01	JD53086-25	JD53086	Soil	PCBs, TS
RB-E-174-30-221003-00-01	JD53086-26	JD53086	Soil	PCBs, TS
RB-E-174-84-221003-00-01	JD53086-27	JD53086	Soil	PCBs, TS
RB-E-175-32-221003-00-01	JD53086-28	JD53086	Soil	PCBs, TS, GS, MC
RB-E-175-83-221003-00-01	JD53086-29	JD53086	Soil	PCBs, TS
RB-E-176-36-221003-00-01	JD53086-30	JD53086	Soil	PCBs, TS
SE-086-13-C-220929-0.5-01	JD53097-1	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-C-220929-00-0.5	JD53097-2	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-C-220929-01-1.5	JD53097-3	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-C-220929-1.5-02	JD53097-4	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-C-G-220929-00-2.11	JD53097-5	JD53097	Sediment	GS, MC
SE-086-13-E-220929-0.5-01	JD53097-6	JD53097	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-086-13-E-220929-00-0.5	JD53097-7	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-E-220929-01-1.5	JD53097-8	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-E-220929-02-2.11	JD53097-9	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-E-220929-1.5-02	JD53097-10	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-E-BD0001	JD53097-11	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-W-220929-0.5-01	JD53097-12	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-W-220929-00-0.5	JD53097-13	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-W-220929-01-1.5	JD53097-14	JD53097	Sediment	PCBs, TOC, TS
SE-086-13-W-220929-1.5-1.97	JD53097-15	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-C-220929-0.5-01	JD53097-16	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-C-220929-00-0.5	JD53097-17	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-C-220929-01-1.5	JD53097-18	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-C-220929-1.5-1.71	JD53097-19	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-E-220929-0.5-01	JD53097-20	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-E-220929-00-0.5	JD53097-21	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-E-220929-01-1.5	JD53097-22	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-E-220929-1.5-02	JD53097-23	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-W-220929-0.5-01	JD53097-24	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-W-220929-00-0.5	JD53097-25	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-W-220929-01-1.5	JD53097-26	JD53097	Sediment	PCBs, TOC, TS
SE-088-70-W-220929-1.5-02	JD53097-27	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-C-220929-0.5-01	JD53097-28	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-C-220929-00-0.5	JD53097-29	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-C-220929-01-1.5	JD53097-30	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-C-220929-02-2.12	JD53097-31	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-C-220929-1.5-02	JD53097-32	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-E-220929-0.5-01	JD53097-33	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-E-220929-00-0.5	JD53097-34	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-E-220929-01-1.19	JD53097-35	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-W-220929-0.5-01	JD53097-36	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-W-220929-00-0.5	JD53097-37	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-W-220929-01-1.5	JD53097-38	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-W-220929-1.5-1.7	JD53097-39	JD53097	Sediment	PCBs, TOC, TS
SE-091-28-W-BD0001	JD53097-40	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-C-220929-0.5-01	JD53097-41	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-C-220929-00-0.5	JD53097-42	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-C-220929-01-1.5	JD53097-43	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-C-220929-1.5-1.64	JD53097-44	JD53097	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-093-75-E-220929-0.5-01	JD53097-45	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-E-220929-00-0.5	JD53097-46	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-E-220929-01-1.39	JD53097-47	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-E-BD0001	JD53097-48	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-W-220929-0.5-01	JD53097-49	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-W-220929-00-0.5	JD53097-50	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-W-220929-01-1.5	JD53097-51	JD53097	Sediment	PCBs, TOC, TS
SE-093-75-W-220929-1.5-02	JD53097-52	JD53097	Sediment	PCBs, TOC, TS
SE-096-27-C-221003-0.5-01	JD53101-1	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-C-221003-00-0.5	JD53101-2	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-C-221003-01-1.5	JD53101-3	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-C-221003-1.5-1.67	JD53101-4	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-E-221003-0.5-01	JD53101-5	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-E-221003-00-0.5	JD53101-6	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-E-221003-01-1.5	JD53101-7	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-E-221003-1.5-1.94	JD53101-8	JD53101	Sediment	PCBs, TOC, TS
RB-2210031405	JD53101-9	JD53101	Water	PCBs, TOC
SE-096-27-W-221003-0.5-01	JD53101-10	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-W-221003-00-0.5	JD53101-11	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-W-221003-01-1.5	JD53101-12	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-W-221003-1.5-1.8	JD53101-13	JD53101	Sediment	PCBs, TOC, TS
SE-096-27-W-BD0001	JD53101-14	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-C-221003-0.5-01	JD53101-15	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-C-221003-00-0.5	JD53101-16	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-C-221003-01-1.5	JD53101-17	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-E-221003-0.5-01	JD53101-18	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-E-221003-00-0.5	JD53101-19	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-E-221003-01-1.5	JD53101-20	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-E-221003-1.5-1.75	JD53101-21	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-W-221003-0.5-01	JD53101-22	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-W-221003-00-0.5	JD53101-23	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-W-221003-01-1.5	JD53101-24	JD53101	Sediment	PCBs, TOC, TS
SE-101-54-W-221003-1.5-1.92	JD53101-25	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-CG-221003-0.5-1.7	JD53101-26	JD53101	Sediment	GS, MC
SE-104-10-CG-221003-00-0.5	JD53101-27	JD53101	Sediment	GS
SE-104-10-C-221003-0.5-01	JD53101-28	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-C-221003-00-0.5	JD53101-29	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-C-221003-01-1.5	JD53101-30	JD53101	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-104-10-C-221003-1.5-1.77	JD53101-31	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-E-221003-0.5-01	JD53101-32	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-E-221003-00-0.5	JD53101-33	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-E-221003-01-1.5	JD53101-34	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-E-221003-1.5-1.85	JD53101-35	JD53101	Sediment	PCBs, TOC, TS
RB-2210031517	JD53101-36	JD53101	Water	PCBs, TOC
SE-104-10-W-221003-0.5-01	JD53101-37	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-W-221003-00-0.5	JD53101-38	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-W-221003-01-1.5	JD53101-39	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-W-221003-1.5-1.77	JD53101-40	JD53101	Sediment	PCBs, TOC, TS
SE-104-10-W-BD0001	JD53101-41	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-C-221003-0.5-01	JD53101-42	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-C-221003-00-0.5	JD53101-43	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-C-221003-01-1.5	JD53101-44	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-C-221003-1.5-1.8	JD53101-45	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-E-221003-0.5-01	JD53101-46	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-E-221003-00-0.5	JD53101-47	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-E-221003-01-1.5	JD53101-48	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-E-221003-1.5-1.55	JD53101-49	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-W-221003-0.5-01	JD53101-50	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-W-221003-00-0.5	JD53101-51	JD53101	Sediment	PCBs, TOC, TS
SE-106-72-W-221003-01-1.15	JD53101-52	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-C-221003-0.5-01	JD53101-53	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-C-221003-00-0.5	JD53101-54	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-C-221003-01-1.5	JD53101-55	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-C-221003-1.5-1.62	JD53101-56	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-E-221003-0.5-01	JD53101-57	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-E-221003-00-0.5	JD53101-58	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-E-221003-01-1.5	JD53101-59	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-W-221003-0.5-01	JD53101-60	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-W-221003-00-0.5	JD53101-61	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-W-221003-01-1.5	JD53101-62	JD53101	Sediment	PCBs, TOC, TS
SE-109-32-W-221003-1.5-1.86	JD53101-63	JD53101	Sediment	PCBs, TOC, TS
RB-E-149-94-220929-00-01	JD53104-1	JD53104	Soil	PCBs, TS
RB-E-150-50-220929-00-01	JD53104-2	JD53104	Soil	PCBs, TS
RB-E-151-35-220929-00-01	JD53104-3	JD53104	Soil	PCBs, TS
RB-E-151-73-220929-00-01	JD53104-4	JD53104	Soil	PCBs, TS
RB-E-152-21-220929-00-01	JD53104-5	JD53104	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-152-65-220929-00-01	JD53104-6	JD53104	Soil	PCBs, TS
RB-E-153-11-220929-00-01	JD53104-7	JD53104	Soil	PCBs, TS
RB-E-153-60-220929-00-01	JD53104-8	JD53104	Soil	PCBs, TS
RB-E-154-09-220929-00-01	JD53104-9	JD53104	Soil	PCBs, TS
RB-E-154-62-220929-00-01	JD53104-10	JD53104	Soil	PCBs, TS, GS, MC
RB-E-155-07-220929-00-01	JD53104-11	JD53104	Soil	PCBs, TS
RB-E-155-70-220929-00-01	JD53104-12	JD53104	Soil	PCBs, TS
RB-E-156-14-220929-00-01	JD53104-13	JD53104	Soil	PCBs, TS
RB-E-156-61-220929-00-01	JD53104-14	JD53104	Soil	PCBs, TS
RB-E-156-99-220929-00-01	JD53104-15	JD53104	Soil	PCBs, TS
RB-E-157-42-220929-00-01	JD53104-16	JD53104	Soil	PCBs, TS
RB-E-157-79-220929-00-01	JD53104-17	JD53104	Soil	PCBs, TS
RB-E-158-12-220929-00-01	JD53104-18	JD53104	Soil	PCBs, TS
RB-E-158-48-220929-00-01	JD53104-19	JD53104	Soil	PCBs, TS
RB-E-158-87-220929-00-01	JD53104-20	JD53104	Soil	PCBs, TS, GS, MC
RB-E-159-33-220929-00-01	JD53104-21	JD53104	Soil	PCBs, TS
RB-E-159-84-220929-00-01	JD53104-22	JD53104	Soil	PCBs, TS
RB-E-160-37-220929-00-01	JD53104-23	JD53104	Soil	PCBs, TS
RB-E-160-37-BD0001	JD53104-24	JD53104	Soil	PCBs, TS
RB-E-160-81-220929-00-01	JD53104-25	JD53104	Soil	PCBs, TS
RB-E-161-25-220929-00-01	JD53104-26	JD53104	Soil	PCBs, TS, GS, MC
RB-E-161-62-220929-00-01	JD53104-27	JD53104	Soil	PCBs, TS
RB-E-162-12-220929-00-01	JD53104-28	JD53104	Soil	PCBs, TS
RB-E-162-64-220929-00-01	JD53104-29	JD53104	Soil	PCBs, TS
RB-E-163-09-220929-00-01	JD53104-30	JD53104	Soil	PCBs, TS
RB-W-148-69-220929-00-01	JD53104-31	JD53104	Soil	PCBs, TS
RB-W-149-02-220929-00-01	JD53104-32	JD53104	Soil	PCBs, TS
RB-W-149-44-220930-00-01	JD53104-33	JD53104	Soil	PCBs, TS
RB-2209301317	JD53104-34	JD53104	Water	PCBs
RB-W-149-75-220930-00-01	JD53104-35	JD53104	Soil	PCBs, TS
RB-W-150-18-220930-00-01	JD53104-36	JD53104	Soil	PCBs, TS
RB-W-150-64-220930-00-01	JD53104-37	JD53104	Soil	PCBs, TS
RB-W-151-61-220930-00-01	JD53104-38	JD53104	Soil	PCBs, TS
RB-W-152-12-220930-00-01	JD53104-39	JD53104	Soil	PCBs, TS
RB-W-152-63-220930-00-01	JD53104-40	JD53104	Soil	PCBs, TS
RB-W-153-16-220930-00-01	JD53104-41	JD53104	Soil	PCBs, TOC, TS, GS, MC, Density, Specific Gravity
RB-W-153-65-220930-00-01	JD53104-42	JD53104	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-154-16-220930-00-01	JD53104-43	JD53104	Soil	PCBs, TS
RB-W-154-61-220930-00-01	JD53104-44	JD53104	Soil	PCBs, TS
RB-W-155-10-220930-00-01	JD53104-45	JD53104	Soil	PCBs, TS
RB-W-155-63-220930-00-01	JD53104-46	JD53104	Soil	PCBs, TS
RB-W-156-18-220930-00-01	JD53104-47	JD53104	Soil	PCBs, TS
RB-W-156-74-220930-00-01	JD53104-48	JD53104	Soil	PCBs, TS
RB-W-156-74-BD0001	JD53104-49	JD53104	Soil	PCBs, TS
RB-W-157-34-220930-00-01	JD53104-50	JD53104	Soil	PCBs, TS, GS, MC

Data Validation Report – EPA Stage 2A

April 25, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0071

This report summarizes the review of analytical results for 74 soil samples, 132 sediment samples, 10 field duplicate samples, and 12 equipment rinsate blanks collected in September and October 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times with the exception of 29 samples that were analyzed outside of the 28-day holding time for TOC. The samples were qualified "J" to indicate they are estimated.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Twelve equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and six were analyzed for TOC. All results were below detection.

Field Duplicates

Ten field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-111-89-C- 221004-00-0.5	SE-111-89-C- BD0001	RPD
TOC	2260 mg/kg	2240 mg/kg	1%
Total solids	90.5%	72.6%	22%
Aroclor 1254	370 µg/kg	1240 µg/kg	108%
Aroclor 1260	4360 µg/kg	8890 µg/kg	68%

Analyte	SE-114-39-C- 221004-00-0.5	SE-114-39-C- BD0001	RPD
TOC	4730 mg/kg	3210 mg/kg	38%
Total solids	84%	74.3%	12%
Aroclor 1254	394 µg/kg	205 µg/kg	63%
Aroclor 1260	1900 µg/kg	686 µg/kg	94%

Analyte	RB-E-169-57- 221003-00-01	RB-E-169-57- BD0001	RPD
Total solids	67.1%	64.7%	4%
Aroclor 1254	846 µg/kg	591 µg/kg	35%
Aroclor 1260	4490 µg/kg	3170 µg/kg	34%

Analyte	RB-W-170-45- 221004-00-01	RB-W-170-45- BD0001	RPD
Total solids	63.7%	64.2%	1%
Aroclor 1254	1790 µg/kg	1720 µg/kg	4%
Aroclor 1260	5930 µg/kg	5690 µg/kg	4%

Analyte	RB-E-185-43- 221006-00-01	RB-E-185-43- BD0001	RPD
Total solids	75.7%	72.5%	4%
Aroclor 1254	853 µg/kg	1290 µg/kg	41%
Aroclor 1260	5230 µg/kg	7420 µg/kg	35%

Analyte	RB-W-159-49- 221006-00-01	RB-W-159-49- BD0001	RPD
Total solids	84%	83.7%	0%
Aroclor 1254	851 µg/kg	1320 µg/kg	43%
Aroclor 1260	4220 µg/kg	7560 µg/kg	57%

Analyte	SE-119-36-W-221006-0.5-01	SE-119-36-W-BD0001	RPD
TOC	21100 mg/kg	17600 mg/kg	18%
Total solids	74.6%	57.5%	26%
Aroclor 1254	6910 µg/kg	184 µg/kg	190%
Aroclor 1260	55300 µg/kg	622 µg/kg	196%

Analyte	SE-121-90-W-221006-01-1.5	SE-121-90-W-BD0001	RPD
TOC	6300 mg/kg	7720 mg/kg	20%
Total solids	86%	78%	10%
Aroclor 1254	1070 µg/kg	379 µg/kg	95%
Aroclor 1260	2330 µg/kg	2350 µg/kg	1%

Analyte	SE-126-88-W4-221007-01-1.5	SE-126-88-W4-BD0001	RPD
TOC	2550 mg/kg	14100 mg/kg	139%
Total solids	79.6%	73.4%	8%
Aroclor 1254	1970 µg/kg	2250 µg/kg	13%
Aroclor 1260	6900 µg/kg	5170 µg/kg	29%

Analyte	SE-129-41-W-221007-0.5-01	SE-129-41-W-BD0001	RPD
TOC	4410 mg/kg	2510 mg/kg	55%
Total solids	70.9%	73%	3%
Aroclor 1254	317 µg/kg	955 µg/kg	100%
Aroclor 1260	1410 µg/kg	2840 µg/kg	67%

Analyte	SE-BW5A-2-A-4-221010-00-01	SE-BW5A-2-A-4-BD0001	RPD
TOC	23600 mg/kg	30200 mg/kg	25%
Total solids	44.8%	43.9%	2%
Aroclor 1254	4290 µg/kg	3360 µg/kg	24%
Aroclor 1260	17400 µg/kg	11400 µg/kg	42%

Notes:

µg/kg: microgram per kilogram

CL: control limit

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD53249
 - Tetrachloro-m-xylene (TMX) and Decachlorobiphenyl (DCB) recovered below the control limit in the analysis of sample SE-116-83-W-221004-1.5-02. The sample results have been qualified "J" or "UJ" to indicate a low bias.
- SDG JD53267
 - TMX and DCB recovered below the control limit in the analysis of samples RB-E-180-33-221004-00-01, RB-E-177-93-221004-00-01, and RB-E-180-84-221004-00-01. The sample results have been qualified "J" or "UJ" to indicate a low bias.
 - TMX recovered below the control limit in the analysis of samples RB-E-177-31-221004-00-01 and RB-E-178-91-221004-00-01. The sample results have been qualified "J" or "UJ" to indicate a low bias.
 - DCB recovered above the control limit in the second column analysis of sample RB-E-182-92-221004-00-01. TMX and DCB recovered above the control limit in the second column analysis of sample RB-W-165-40-221004-00-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
- SDG JD53634
 - TMX and DCB recovered below the control limit in the analysis of samples RB-W-160-32-221006-00-01, RB-W-175-94-221006-00-01, and RB-W-183-78-221006-00-01. The sample results have been qualified "J" or "UJ" to indicate a low bias.
 - DCB recovered below the control limit and TMX recovered below 10% in the analysis of sample RB-W-184-04-221006-00-01. The detected sample results have been qualified "J" to indicate a low bias. The non- detect results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the second column analysis of samples RB-E-184-82-221006-00-01. TMX and DCB recovered above the control limit in the analysis of RB-W-180-63-221006-00-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.

- DCB recovered above the control limit in the second column analysis of samples RB-W-173-57-221006-00-01. TMX recovered above the control limit in the second column analysis of RB-W-181-30-221006-00-01 and RB-W-184-60-221006-00-01. The sample results have been qualified "J" to indicate a high bias.
 - TMX recovered above the control limit in the first column analysis of sample RB-W-179-32-221006-00-01. The sample results have been qualified "J" to indicate a high bias.
- SDG JD53638
 - TMX and DCB recovered below the control limit in the analysis of samples SE-119-36-C-221006-01-1.5, SE-119-36-E-221006-00-0.5, SE-119-36-E-221006-01-1.5, SE-121-90-C-221006-00-0.5, SE-121-90-E-221006-00-0.5, SE-121-90-W-221006-0.5-01, and SE-121-90-W-221006-00-0.5. The sample results have been qualified "J" or "UJ" to indicate a low bias.
 - DCB and TMX recovered below the control limit and/or recovered below 10% in the analysis of samples SE-119-36-W-BD0001 and SE-124-36-C-221006-00-0.5. The detected sample results have been qualified "J" to indicate a low bias. The not detected results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the second column analysis of samples SE-119-36-W-221006-01-1.28 and SE-121-90-W-221006-01-1.5. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
 - DCB recovered above the control limit in the second column analysis of samples SE-119-36-E-221006-1.5-02. The sample results have been qualified "J" to indicate a high bias.
- SDG JD53677
 - TMX and/or DCB recovered below the control limit in the analysis of samples SE-129-41-C-221007-01-1.5, SE-129-41-C-221007-1.5-1.92, SE-129-41-E-221007-01-1.5, SE-129-41-W-221007-0.5-01, SE-129-41-W-221007-00-0.5, SE-131-91-E-221007-0.5-01, and SE-131-91-E-221007-1.5-1.8. The sample results have been qualified "J" or "UJ" to indicate a low bias.
 - DCB and TMX recovered below the control limit and/or recovered below 10% in the analysis of SE-131-91-E-221007-00-0.5 and SE-131-91-W-221007-0.5-01. The detected sample results have been qualified "J" to indicate a low bias. The not detected results have been rejected due to the surrogate recovery below 10%.
 - DCB or TMX recovered above the control limit in the second column analysis of samples SE-BW5A-2-A-4-221010-01-1.5, SE-BW5A-2-A-B-5-221010-1.5-02, SE-BW5A-2-B-2-221010-01-1.5, SE-BW5A-2-B-2-221010-02-2.5, SE-BW5A-2-B-C-5-221010-02-2.3, and SE-BW5A-2-D-5-221010-1.5-02. The Aroclor 1254 results have been qualified "J" to indicate a high bias.

- TMX recovered above the control limit in the analysis of samples SE-126-88-W4-221007-01-1.5 and SE-126-88-W4-221007-1.5-02. The sample results have been qualified "J" to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD53249 – The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-111-89-C-BD0001. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD53267 – The Aroclor 1254 RPD value was above the control limit in the analysis of sample RB-E-182-92-221004-00. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD53638 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-121-90-W-221006-00-0.5. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD53677 – The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-BW5A-2-A-4-221010-02-2.31. The Aroclor 1254 result has been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batch OP42520
 - Aroclor 1016 and 1260 recovered below the control limit in the LCS. All sample results were qualified "UJ" to indicate a potentially low bias.
- Aroclor Batch OP42541
 - Aroclor 1016 and 1260 recovered below the control limit in the LCS. All sample results were qualified "J" or "UJ" to indicate a potentially low bias.
- Aroclor Batch OP42543
 - Aroclor 1016 and 1260 recovered below the control limit in the LCS. All sample results were qualified "J" or "UJ" to indicate a potentially low bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries

and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD53267
 - Aroclor 1016 recovered below the control limit in the MS and MSD analyzed on sample RB-E-178-40-221004-00-01 and the RPD recovered above the control limit. The results were qualified “UJ” to indicate a potentially low bias.
 - Aroclor 1260 recovered below the control limit in the MS and MSD analyzed on sample RB-E-178-40-221004-00-01 and the RPD recovered above the control limit. The Aroclor 1260 result was qualified “J” to indicate a potentially low bias. The Aroclor 1248 and 1254 results were not detected and were rejected due to the MS recovery less than 10%.
- SDG JD53249
 - TOC recovered below the control limit in the MSD analyzed on sample SE-114-39-C-221004-0.5-0.7. Associated batch sample results have been qualified “J”.
- SDG JD53638
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-116-83-W-221004-00-0.5, SE-121-90-E-221006-01-1.5, and SE-121-90-W-221006-1.5-1.8. Associated batch sample results have been qualified “J”.
 - The RPD between the MS and MSD for TOC recovered above the control limit in the analysis on sample SE-121-90-C-221006-00-0.5. Associated batch sample results have been qualified “J”.
 - TOC recovered below the control limit in the MSD analyzed on sample SE-124-36-W-221006-00-0.5, and the RPD recovered above the control limit. Associated batch sample results have been qualified “J”.
- SDG JD53677
 - TOC recovered below the control limit in the MS and/or the MSD analyzed on sample SE-126-88-W4-221007-00-0.5, SE-129-41-W-221007-01-1.3, SE-131-91-E-221007-01-1.5, and SE-BW5A-2-A-4-221010-01-1.5. Associated batch sample results have been qualified “J”.
 - TOC recovered above the control limit in the MS and MSD analyzed on sample SE-WP-G-H-3-4-221018-01-1.5 (reviewed in a separate validation report). Associated batch sample results have been qualified “J”.
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-BW5A-2-B-C-1-2-221011-01-1.5 (reviewed in a separate validation report). Associated batch sample results have been qualified “J”.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Twenty-seven results in six samples were rejected due to low/no recovery. Completeness was greater than 98%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-111-89-C-221004-00-0.5	PCBs	Aroclor 1254	370 µg/kg	370J µg/kg	FD RPD above CL
		Aroclor 1260	4360 µg/kg	4360J µg/kg	
SE-111-89-C-BD0001	PCBs	Aroclor 1254	1240 µg/kg	1240J µg/kg	FD RPD above CL; Column Confirmation RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1260	8890 µg/kg	8890J µg/kg	FD RPD above CL
SE-111-89-W-221004-01-1.5	Conventionals	TOC	7480 mg/kg	7480J mg/kg	MSD %R below CL
SE-111-89-W-221004-02-2.1	Conventionals	TOC	3580 mg/kg	3580J mg/kg	MSD %R below CL
SE-111-89-W-221004-1.5-02	Conventionals	TOC	8690 mg/kg	8690J mg/kg	MSD %R below CL
SE-114-39-C-221004-0.5-0.7	Conventionals	TOC	2350 mg/kg	2350J mg/kg	MSD %R below CL
SE-114-39-C-221004-00-0.5	Conventionals	TOC	4730 mg/kg	4730J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	394 µg/kg	394J µg/kg	FD RPD above CL
		Aroclor 1260	1900 µg/kg	1900J µg/kg	
SE-114-39-C-BD0001	Conventionals	TOC	3210 mg/kg	3210J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	205 µg/kg	205J µg/kg	FD RPD above CL
		Aroclor 1260	686 µg/kg	686J µg/kg	
SE-114-39-E-221004-0.5-01	Conventionals	TOC	8660 mg/kg	8660J mg/kg	MSD %R below CL
SE-114-39-E-221004-00-0.5	Conventionals	TOC	13700 mg/kg	13700J mg/kg	MSD %R below CL
SE-114-39-E-221004-01-1.4	Conventionals	TOC	21200 mg/kg	21200J mg/kg	MSD %R below CL
SE-114-39-W-221004-0.5-01	Conventionals	TOC	8700 mg/kg	8700J mg/kg	MSD %R below CL
SE-116-83-W-221004-01-1.5	Conventionals	TOC	21200 mg/kg	21200J mg/kg	MS/MSD RPD above CL
SE-116-83-W-221004-1.5-02	Conventionals	TOC	3150 mg/kg	3150J mg/kg	MS/MSD RPD above CL
	PCBs	Aroclor 1016	37U µg/kg	37UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	161 µg/kg	161J µg/kg	
		Aroclor 1260	444 µg/kg	444J µg/kg	
	PCBs	Aroclor 1016	48U µg/kg	48UJ µg/kg	Surrogate %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-177-31-221004-00-01		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	5080 µg/kg	5080J µg/kg	
		Aroclor 1260	16300 µg/kg	16300J µg/kg	
RB-E-177-93-221004-00-01	PCBs	Aroclor 1016	50U µg/kg	50UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	99.9 µg/kg	99.9J µg/kg	
		Aroclor 1260	95.6 µg/kg	95.6J µg/kg	
RB-E-178-40-221004-00-01	PCBs	Aroclor 1016	44U µg/kg	44UJ µg/kg	MS/MSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248	44U µg/kg	R	MS %R below 10%
		Aroclor 1254			
		Aroclor 1260	42.3J µg/kg	42.3J µg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
RB-E-178-91-221004-00-01	PCBs	Aroclor 1016	52U µg/kg	52UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	312 µg/kg	312J µg/kg	
		Aroclor 1260	975 µg/kg	975J µg/kg	
RB-E-180-33-221004-00-01	PCBs	Aroclor 1016	44U µg/kg	44UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260	40.5J µg/kg	40.5J µg/kg	
	PCBs	Aroclor 1016	50U µg/kg	50UJ µg/kg	Surrogate %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-180-84-221004-00-01		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-E-182-92-221004-00-01	PCBs	Aroclor 1254	4010 µg/kg	4010J µg/kg	Column Confirmation RPD above CL; Surrogate %R above CL
RB-W-165-40-221004-00-01	PCBs	Aroclor 1254	1780 µg/kg	1780J µg/kg	Surrogate %R above CL
RB-E-184-82-221006-00-01	PCBs	Aroclor 1254	1540 µg/kg	1540J µg/kg	Surrogate %R above CL
RB-W-159-49-221006-00-01	PCBs	Aroclor 1260	4220 µg/kg	4220J µg/kg	FD RPD above CL
RB-W-159-49-BD0001	PCBs	Aroclor 1260	7560 µg/kg	7560J µg/kg	FD RPD above CL
RB-W-160-32-221006-00-01	PCBs	Aroclor 1016	36U µg/kg	36UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	351 µg/kg	351J µg/kg	
		Aroclor 1260	1520 µg/kg	1520J µg/kg	
RB-2210061452	PCBs	Aroclor 1016	0.5U ug/L	0.5UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-W-173-57-221006-00-01	PCBs	Aroclor 1254	2290 µg/kg	2290J µg/kg	Surrogate %R above CL
		Aroclor 1260	11300 µg/kg	11300J µg/kg	
RB-2210061500	PCBs	Aroclor 1016	0.37U ug/L	0.37UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
	PCBs	Aroclor 1016	43U µg/kg	43UJ µg/kg	Surrogate %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-175-94-221006-00-01		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	195 µg/kg	195J µg/kg	
		Aroclor 1260	792 µg/kg	792J µg/kg	
RB-W-179-32-221006-00-01	PCBs	Aroclor 1254	2250 µg/kg	2250J µg/kg	Surrogate %R above CL
		Aroclor 1260	9280 µg/kg	9280J µg/kg	
RB-W-180-63-221006-00-01	PCBs	Aroclor 1254	4030 µg/kg	4030J µg/kg	Surrogate %R above CL
RB-W-181-30-221006-00-01	PCBs	Aroclor 1254	3340 µg/kg	3340J µg/kg	Surrogate %R above CL
		Aroclor 1260	13400 µg/kg	13400J µg/kg	
RB-W-183-78-221006-00-01	PCBs	Aroclor 1016	37U µg/kg	37UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	142 µg/kg	142J µg/kg	
		Aroclor 1260	730 µg/kg	730J µg/kg	
RB-W-184-04-221006-00-01	PCBs	Aroclor 1016	43U µg/kg	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	205 µg/kg	205J µg/kg	Surrogate %R below CL
		Aroclor 1260	1030 µg/kg	1030J µg/kg	
RB-W-184-60-221006-00-01	PCBs	Aroclor 1254	2820 µg/kg	2820J µg/kg	Surrogate %R above CL
		Aroclor 1260	12700 µg/kg	12700J µg/kg	
RB-2209291249	PCBs	Aroclor 1016	0.4U ug/L	0.4UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-119-36-C-221006-0.5-01	Conventionals	TOC	1070 mg/kg	1070J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-119-36-C-221006-00-0.5	Conventionals	TOC	1240 mg/kg	1240J mg/kg	MS/MSD %R below CL
SE-119-36-C-221006-01-1.5	Conventionals	TOC	1180 mg/kg	1180J mg/kg	MS/MSD %R below CL
SE-119-36-C-221006-01-1.5	PCBs	Aroclor 1016	38U µg/kg	38UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	99.1 µg/kg	99.1J µg/kg	
		Aroclor 1260	208 µg/kg	208J µg/kg	
SE-119-36-C-221006-1.5-02	Conventionals	TOC	1170 mg/kg	1170J mg/kg	MS/MSD %R below CL
SE-119-36-E-221006-0.5-01	Conventionals	TOC	24800 mg/kg	24800J mg/kg	MS/MSD %R below CL
SE-119-36-E-221006-00-0.5	Conventionals	TOC	1710 mg/kg	1710J mg/kg	MS/MSD %R below CL
SE-119-36-E-221006-00-0.5	PCBs	Aroclor 1016	38U µg/kg	38UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	33.6J µg/kg	33.6J µg/kg	
		Aroclor 1260	38U µg/kg	38UJ µg/kg	
SE-119-36-E-221006-01-1.5	Conventionals	TOC	102000 mg/kg	102000J mg/kg	MS/MSD %R below CL
SE-119-36-E-221006-01-1.5	PCBs	Aroclor 1016	40U µg/kg	40UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	150 µg/kg	150J µg/kg	
		Aroclor 1260	265 µg/kg	265J µg/kg	
SE-119-36-E-221006-02-2.05	Conventionals	TOC	1140 mg/kg	1140J mg/kg	MS/MSD %R below CL
SE-119-36-E-221006-1.5-02	Conventionals	TOC	1800 mg/kg	1800J mg/kg	MS/MSD %R below CL
SE-119-36-E-221006-1.5-02	PCBs	Aroclor 1254	423 µg/kg	423J µg/kg	Surrogate %R above CL
		Aroclor 1260	2520 µg/kg	2520J µg/kg	
RB-2210061448	PCBs	Aroclor 1016	0.43U ug/L	0.43UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-119-36-W-221006-0.5-01	Conventionals	TOC	21100 mg/kg	21100J mg/kg	MS/MSD %R below CL
SE-119-36-W-221006-0.5-01	PCBs	Aroclor 1254	6910 µg/kg	6910J µg/kg	FD RPD above CL
		Aroclor 1260	55300 µg/kg	55300J µg/kg	
SE-119-36-W-221006-00-0.5	Conventionals	TOC	4010 mg/kg	4010J mg/kg	MS/MSD RPD above CL
SE-119-36-W-221006-01-1.28	Conventionals	TOC	40000 mg/kg	40000J mg/kg	MS/MSD RPD above CL
	PCBs	Aroclor 1254	13000 µg/kg	13000J µg/kg	Surrogate %R above CL
SE-119-36-W-BD0001	Conventionals	TOC	17600 mg/kg	17600J mg/kg	MS/MSD RPD above CL
	PCBs	Aroclor 1016	55U µg/kg	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	184 µg/kg	184J µg/kg	Surrogate %R below CL; FD RPD above CL
		Aroclor 1260	622 µg/kg	622J µg/kg	
SE-121-90-C-221006-0.5-01	Conventionals	TOC	10600 mg/kg	10600J mg/kg	MS/MSD RPD above CL
SE-121-90-C-221006-00-0.5	Conventionals	TOC	2170 mg/kg	2170J mg/kg	MS/MSD RPD above CL
	PCBs	Aroclor 1016	35U µg/kg	35UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	42 µg/kg	42J µg/kg	
		Aroclor 1260	107 µg/kg	107J µg/kg	
SE-121-90-C-221006-01-1.5	Conventionals	TOC	1880 mg/kg	1880J mg/kg	MS/MSD RPD above CL
SE-121-90-C-221006-01-1.5	PCBs	Aroclor 1016	38U µg/kg	38UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	237 µg/kg	237J µg/kg	
		Aroclor 1260	1310 µg/kg	1310J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-121-90-C-221006-1.5-1.85	Conventionals	TOC	2560 mg/kg	2560J mg/kg	MS/MSD RPD above CL
	PCBs	Aroclor 1016	39U µg/kg	39UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	714 µg/kg	714J µg/kg	
SE-121-90-E-221006-0.5-01	Conventionals	TOC	2050 mg/kg	2050J mg/kg	MS/MSD RPD above CL
	PCBs	Aroclor 1016	36U µg/kg	36UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	239 µg/kg	239J µg/kg	
SE-121-90-E-221006-00-0.5	Conventionals	TOC	1680 mg/kg	1680J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	39U µg/kg	39UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	36.3J µg/kg	36.3J µg/kg	
SE-121-90-E-221006-01-1.5	Conventionals	TOC	2530 mg/kg	2530J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	44U µg/kg	44UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	44U µg/kg	44UJ µg/kg	
SE-121-90-E-221006-1.5-1.9	Conventionals	TOC	1390 mg/kg	1390J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	40U µg/kg	40UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210061510	PCBs	Aroclor 1016	0.44U ug/L	0.44UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-121-90-W-221006-0.5-01	Conventionals	TOC	6960 mg/kg	6960J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	36U µg/kg	36UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	43.9 µg/kg	43.9J µg/kg	
		Aroclor 1260	124 µg/kg	124J µg/kg	
SE-121-90-W-221006-00-0.5	Conventionals	TOC	20700 mg/kg	20700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	34U µg/kg	34UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	38.5 µg/kg	38.5J µg/kg	LCS %R below CL; Surrogate %R below CL; Column Confirmation RPD above CL
		Aroclor 1260	494 µg/kg	494J µg/kg	LCS %R below CL; Surrogate %R below CL
SE-121-90-W-221006-01-1.5	Conventionals	TOC	6300 mg/kg	6300J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	38U µg/kg	38UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1254	1070 µg/kg	1070J µg/kg	FD RPD above CL; LCS %R below CL; Surrogate %R above CL
		Aroclor 1260	2330 µg/kg	2330J µg/kg	LCS %R below CL
SE-121-90-W-221006-1.5-1.8	Conventionals	TOC	3560 mg/kg	3560J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	36U µg/kg	36UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	981 µg/kg	981J µg/kg	
		Aroclor 1260	6600 µg/kg	6600J µg/kg	
SE-121-90-W-BD0001	Conventionals	TOC	7720 mg/kg	7720J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	42U µg/kg	42UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	379 µg/kg	379J µg/kg	FD RPD above CL; LCS %R below CL
		Aroclor 1260	2350 µg/kg	2350J µg/kg	LCS %R below CL
SE-124-36-C-221006-0.5-01	Conventionals	TOC	2020 mg/kg	2020J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	44U µg/kg	44UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	590 µg/kg	590J µg/kg	
		Aroclor 1260	4580 µg/kg	4580J µg/kg	
SE-124-36-C-221006-00-0.5	Conventionals	TOC	3410 mg/kg	3410J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	39U µg/kg	R	Surrogate %R below 10%; LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1254	39.7 µg/kg	39.7J µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1260	115 µg/kg	115J µg/kg	
SE-124-36-C-221006-01-1.5	Conventionals	TOC	663 mg/kg	663J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	38U µg/kg	38UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	305 µg/kg	305J µg/kg	
		Aroclor 1260	6430 µg/kg	6430J µg/kg	
SE-124-36-C-221006-1.5-1.58	Conventionals	TOC	1060 mg/kg	1060J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	41U µg/kg	41UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	330 µg/kg	330J µg/kg	
		Aroclor 1260	5450 µg/kg	5450J µg/kg	
SE-124-36-E-221006-0.5-01	Conventionals	TOC	1870 mg/kg	1870J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	41U µg/kg	41UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	933 µg/kg	933J µg/kg	
		Aroclor 1260	2700 µg/kg	2700J µg/kg	
SE-124-36-E-221006-00-0.5	Conventionals	TOC	1360 mg/kg	1360J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1016	38U µg/kg	38UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	351 µg/kg	351J µg/kg	
		Aroclor 1260	1260 µg/kg	1260J µg/kg	
SE-124-36-E-221006-01-1.5	Conventionals	TOC	1170 mg/kg	1170J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1016	36U µg/kg	36UJ µg/kg	LCS %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	545 µg/kg	545J µg/kg	
		Aroclor 1260	1720 µg/kg	1720J µg/kg	
SE-124-36-E-221006-1.5-1.73	Conventionals	TOC	18300 mg/kg	18300J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1016	45U µg/kg	45UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	2280 µg/kg	2280J µg/kg	
		Aroclor 1260	8380 µg/kg	8380J µg/kg	
SE-124-36-W-221006-0.5-01	Conventionals	TOC	1280 mg/kg	1280J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-124-36-W-221006-00-0.5	Conventionals	TOC	4710 mg/kg	4710J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-124-36-W-221006-01-1.33	Conventionals	TOC	1740 mg/kg	1740J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-126-88-E4-221007-0.5-01	Conventionals	TOC	2610 mg/kg	2610J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-126-88-E4-221007-00-0.5	Conventionals	TOC	6280 mg/kg	6280J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-126-88-E4-221007-01-1.5	Conventionals	TOC	2490 mg/kg	2490J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-126-88-E4-221007-1.5-02	Conventionals	TOC	341 mg/kg	341J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-126-88-E4-221007-0.5-01	Conventionals	TOC	2540 mg/kg	2540J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-126-88-E4-221007-0.5-01	Conventionals	TOC	7670 mg/kg	7670J mg/kg	MS/MSD %R below CL
SE-126-88-E4-221007-00-0.5	Conventionals	TOC	2640 mg/kg	2640J mg/kg	MS/MSD %R below CL
SE-126-88-E4-221007-01-1.5	Conventionals	TOC	1020 mg/kg	1020J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-126-88-E4-221007-1.5-02	Conventionals	TOC	963 mg/kg	963J mg/kg	MS/MSD %R below CL
RB-221007-1505	PCBs	Aroclor 1016	0.45U ug/L	0.45UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-126-88-W4-221007-0.5-01	Conventionals	TOC	1970 mg/kg	1970J mg/kg	MS/MSD %R below CL
SE-126-88-W4-221007-00-0.5	Conventionals	TOC	2290 mg/kg	2290J mg/kg	MS/MSD %R below CL
SE-126-88-W4-221007-01-1.5	Conventionals	TOC	2550 mg/kg	2550J mg/kg	MS/MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1254	1970 µg/kg	1970J µg/kg	Surrogate %R above CL
		Aroclor 1260	6900 µg/kg	6900J µg/kg	
SE-126-88-W4-221007-1.5-02	Conventionals	TOC	1270 mg/kg	1270J mg/kg	Holding Time Not Met
	PCBs	Aroclor 1254	36.9 µg/kg	36.9J µg/kg	Surrogate %R above CL
		Aroclor 1260	164 µg/kg	164J µg/kg	
SE-126-88-W4-BD0001	Conventionals	TOC	14100 mg/kg	14100J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-129-41-C-221007-0.5-01	Conventionals	TOC	853 mg/kg	853J mg/kg	MS/MSD %R below CL
SE-129-41-C-221007-00-0.5	Conventionals	TOC	1030 mg/kg	1030J mg/kg	MS %R below CL
SE-129-41-C-221007-01-1.5	Conventionals	TOC	836 mg/kg	836J mg/kg	MS %R below CL
	PCBs	Aroclor 1016	38U µg/kg	38UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	60.1 µg/kg	60.1J µg/kg	
		Aroclor 1260	274 µg/kg	274J µg/kg	
SE-129-41-C-221007-1.5-1.92	Conventionals	TOC	866 mg/kg	866J mg/kg	MS %R below CL
	PCBs	Aroclor 1016	38U µg/kg	38UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	59 µg/kg	59J µg/kg	
		Aroclor 1260	38U µg/kg	38UJ µg/kg	
SE-129-41-E-221007-0.5-01	Conventionals	TOC	886 mg/kg	886J mg/kg	MS %R below CL
	PCBs	Aroclor 1016	40U µg/kg	40UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	58.6 µg/kg	58.6J µg/kg	
SE-129-41-E-221007-00-0.5	Conventionals	TOC	1520 mg/kg	1520J mg/kg	MS %R below CL
	PCBs	Aroclor 1016	45U µg/kg	45UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	389 µg/kg	389J µg/kg	
SE-129-41-E-221007-01-1.5	Conventionals	TOC	741 mg/kg	741J mg/kg	MS %R below CL
	PCBs	Aroclor 1016	39U µg/kg	39UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	39U µg/kg	39UJ µg/kg	
SE-129-41-E-221007-1.5-1.8	Conventionals	TOC	464 mg/kg	464J mg/kg	MS %R below CL
	PCBs	Aroclor 1016	40U µg/kg	40UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	40U µg/kg	40UJ µg/kg	
RB-2210071329	PCBs	Aroclor 1016	0.48U ug/L	0.48UJ ug/L	LCS %R below CL
		Aroclor 1221			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-129-41-W-221007-0.5-01	Conventionals	TOC	4410 mg/kg	4410J mg/kg	MS %R below CL; FD RPD above CL
	PCBs	Aroclor 1016	45U µg/kg	45UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	317 µg/kg	317J µg/kg	FD RPD above CL; LCS %R below CL
		Aroclor 1260	1410 µg/kg	1410J µg/kg	FD RPD above CL; LCS %R below CL; Surrogate %R below CL
SE-129-41-W-221007-00-0.5	Conventionals	TOC	999 mg/kg	999J mg/kg	MS %R below CL
	PCBs	Aroclor 1016	41U µg/kg	41UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221	41U µg/kg	41UJ µg/kg	
		Aroclor 1232	41U µg/kg	41UJ µg/kg	
		Aroclor 1242	41U µg/kg	41UJ µg/kg	
		Aroclor 1248	41U µg/kg	41UJ µg/kg	
		Aroclor 1254	41U µg/kg	41UJ µg/kg	
		Aroclor 1260	41U µg/kg	41UJ µg/kg	
SE-129-41-W-221007-01-1.3	Conventionals	TOC	12700 mg/kg	12700J mg/kg	MS %R below CL
	PCBs	Aroclor 1016	46U µg/kg	46UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	220 µg/kg	220J µg/kg	
		Aroclor 1260	774 µg/kg	774J µg/kg	
SE-129-41-W-BD0001	Conventionals	TOC	2510 mg/kg	2510J mg/kg	MS/MSD %R below CL; FD RPD above CL; Holding Times
	PCBs	Aroclor 1016	44U µg/kg	44UJ µg/kg	LCS %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	955 µg/kg	955J µg/kg	FD RPD above CL; LCS %R below CL
		Aroclor 1260	2840 µg/kg	2840J µg/kg	
SE-131-91-C-221007-0.5-01	Conventionals	TOC	3440 mg/kg	3440J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1016	40U µg/kg	40UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	1270 µg/kg	1270J µg/kg	
		Aroclor 1260	5270 µg/kg	5270J µg/kg	
SE-131-91-C-221007-00-0.5	Conventionals	TOC	3630 mg/kg	3630J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1016	42U µg/kg	42UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	759 µg/kg	759J µg/kg	
		Aroclor 1260	1950 µg/kg	1950J µg/kg	
SE-131-91-C-221007-01-1.5	Conventionals	TOC	393 mg/kg	393J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1016	39U µg/kg	39UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	39U µg/kg	39UJ µg/kg	
		Aroclor 1260	39U µg/kg	39UJ µg/kg	
SE-131-91-C-221007-1.5-1.83	Conventionals	TOC	752 mg/kg	752J mg/kg	MS/MSD %R below CL; Holding Time Not Met

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
	PCBs	Aroclor 1016	37U µg/kg	37UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	37U µg/kg	37UJ µg/kg	
		Aroclor 1260	37U µg/kg	37UJ µg/kg	
SE-131-91-E-221007-0.5-01	Conventionals	TOC	8760 mg/kg	8760J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1016	47U µg/kg	47UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	393 µg/kg	393J µg/kg	
		Aroclor 1260	853 µg/kg	853J µg/kg	
SE-131-91-E-221007-00-0.5	Conventionals	TOC	4440 mg/kg	4440J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1016	44U µg/kg	R	LCS %R below CL; Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	123 µg/kg	123J µg/kg	
		Aroclor 1260	1550 µg/kg	1550J µg/kg	
SE-131-91-E-221007-01-1.5	Conventionals	TOC	12000 mg/kg	12000J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1016	42U µg/kg	42UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	3080 µg/kg	3080J µg/kg	
		Aroclor 1260	5740 µg/kg	5740J µg/kg	
SE-131-91-E-221007-1.5-1.8	Conventionals	TOC	11000 mg/kg	11000J mg/kg	MS/MSD %R below CL; Holding Time Not Met

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
	PCBs	Aroclor 1016	49U µg/kg	49UJ µg/kg	LCS %R below CL; Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	49U µg/kg	49UJ µg/kg	
		Aroclor 1260	49U µg/kg	49UJ µg/kg	
SE-131-91-W-221007-0.5-01	Conventionals	TOC	9080 mg/kg	9080J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1016	45U µg/kg	R	LCS %R below CL; Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	72.9 µg/kg	72.9J µg/kg	
		Aroclor 1260	783 µg/kg	783J µg/kg	
SE-131-91-W-221007-00-0.5	Conventionals	TOC	3270 mg/kg	3270J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1016	44U µg/kg	44UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	564 µg/kg	564J µg/kg	
		Aroclor 1260	6010 µg/kg	6010J µg/kg	
SE-131-91-W-221007-01-1.4	Conventionals	TOC	5290 mg/kg	5290J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1016	48U µg/kg	48UJ µg/kg	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	48U µg/kg	48UJ µg/kg	
		Aroclor 1260	85.2 µg/kg	85.2J µg/kg	
RB-2210071550	PCBs	Aroclor 1016	0.44U ug/L	0.44UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-BW5A-2-A-4-221010-00-01	Conventionals	TOC	23600 mg/kg	23600J mg/kg	MS/MSD %R below CL
SE-BW5A-2-A-4-221010-01-1.5	Conventionals	TOC	15800 mg/kg	15800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	2720 µg/kg	2720J µg/kg	Surrogate %R above CL
SE-BW5A-2-A-4-221010-02-2.31	Conventionals	TOC	1590 mg/kg	1590J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	5940 µg/kg	5940J µg/kg	Column Confirmation RPD above CL
SE-BW5A-2-A-4-221010-1.5-02	Conventionals	TOC	18600 mg/kg	18600J mg/kg	MS/MSD %R below CL
SE-BW5A-2-A-4-BD0001	Conventionals	TOC	30200 mg/kg	30200J mg/kg	MS/MSD %R below CL
SE-BW5A-2-A-B-3-221010-00-01	Conventionals	TOC	14000 mg/kg	14000J mg/kg	MS/MSD %R below CL
SE-BW5A-2-A-B-3-221010-01-1.5	Conventionals	TOC	3150 mg/kg	3150J mg/kg	MS/MSD %R below CL
SE-BW5A-2-A-B-3-221010-02-2.5	Conventionals	TOC	1720 mg/kg	1720J mg/kg	MS/MSD %R below CL
SE-BW5A-2-A-B-3-221010-1.5-02	Conventionals	TOC	3620 mg/kg	3620J mg/kg	MS/MSD %R above CL
SE-BW5A-2-A-B-5-221010-00-01	Conventionals	TOC	51000 mg/kg	51000J mg/kg	MS/MSD %R above CL
SE-BW5A-2-A-B-5-221010-01-1.5	Conventionals	TOC	20100 mg/kg	20100J mg/kg	MS/MSD %R above CL
SE-BW5A-2-A-B-5-221010-02-2.5	Conventionals	TOC	23200 mg/kg	23200J mg/kg	MS/MSD %R above CL
SE-BW5A-2-A-B-5-221010-1.5-02	Conventionals	TOC	2930 mg/kg	2930J mg/kg	MS/MSD %R above CL
	PCBs	Aroclor 1254	1840 µg/kg	1840J µg/kg	Surrogate %R above CL
SE-BW5A-2-A-B-5-221010-2.5-03	Conventionals	TOC	5690 mg/kg	5690J mg/kg	MS/MSD %R above CL
SE-BW5A-2-B-2-221010-00-01	Conventionals	TOC	19300 mg/kg	19300J mg/kg	MS/MSD %R above CL
SE-BW5A-2-B-2-221010-01-1.5	Conventionals	TOC	57300 mg/kg	57300J mg/kg	Holding Time Not Met
	PCBs	Aroclor 1254	2140 µg/kg	2140J µg/kg	Surrogate %R above CL
	Conventionals	TOC	57300 mg/kg	57300J mg/kg	Holding Time Not Met

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-2-B-2-221010-02-2.5	PCBs	Aroclor 1254	18700 µg/kg	18700J µg/kg	Surrogate %R above CL
SE-BW5A-2-B-2-221010-1.5-02	Conventionals	TOC	5150 mg/kg	5150J mg/kg	Holding Time Not Met
SE-BW5A-2-B-C-5-221010-00-01	Conventionals	TOC	35700 mg/kg	35700J mg/kg	Holding Time Not Met
SE-BW5A-2-B-C-5-221010-01-1.5	Conventionals	TOC	34700 mg/kg	34700J mg/kg	Holding Time Not Met
SE-BW5A-2-B-C-5-221010-02-2.3	Conventionals	TOC	16300 mg/kg	16300J mg/kg	Holding Time Not Met
	PCBs	Aroclor 1254	1330 µg/kg	1330J µg/kg	Surrogate %R above CL
SE-BW5A-2-B-C-5-221010-1.5-02	Conventionals	TOC	8760 mg/kg	8760J mg/kg	Holding Time Not Met
SE-BW5A-2-C-D-5-6-221010-00-01	Conventionals	TOC	29800 mg/kg	29800J mg/kg	Holding Time Not Met
SE-BW5A-2-C-D-5-6-221010-01-1.5	Conventionals	TOC	17800 mg/kg	17800J mg/kg	Holding Time Not Met
SE-BW5A-2-C-D-5-6-221010-02-2.5	Conventionals	TOC	26600 mg/kg	26600J mg/kg	MS/MSD %R below CL; Holding Time Not Met
SE-BW5A-2-C-D-5-6-221010-1.5-02	Conventionals	TOC	25500 mg/kg	25500J mg/kg	MS/MSD %R below CL; Holding Time Not Met
SE-BW5A-2-C-D-5-6-221010-2.5-03	Conventionals	TOC	1820 mg/kg	1820J mg/kg	MS/MSD %R below CL; Holding Time Not Met
SE-BW5A-2-D-5-221010-00-01	Conventionals	TOC	22200 mg/kg	22200J mg/kg	MS/MSD %R below CL; Holding Time Not Met
SE-BW5A-2-D-5-221010-01-1.5	Conventionals	TOC	15800 mg/kg	15800J mg/kg	MS/MSD %R below CL; Holding Time Not Met
SE-BW5A-2-D-5-221010-02-2.5	Conventionals	TOC	14300 mg/kg	14300J mg/kg	MS/MSD %R below CL; Holding Time Not Met

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-2-D-5-221010-1.5-02	Conventionals	TOC	17000 mg/kg	17000J mg/kg	MS/MSD %R below CL; Holding Time Not Met
	PCBs	Aroclor 1254	276 µg/kg	276J µg/kg	Surrogate %R below CL

Notes:
%R: percent recovery
CL: control limit

References

- Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.
- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.
- EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-111-89-CG-221004-00-1.05	JD53249-1	JD53249	Sediment	GS
RB-2210041349	JD53249-2	JD53249	Water	PCBs, TOC
SE-111-89-C-221004-0.5-01	JD53249-3	JD53249	Sediment	PCBs, TOC, TS
SE-111-89-C-221004-00-0.5	JD53249-4	JD53249	Sediment	PCBs, TOC, TS
SE-111-89-C-221004-01-1.04	JD53249-5	JD53249	Sediment	PCBs, TOC, TS
SE-111-89-C-BD0001	JD53249-6	JD53249	Sediment	PCBs, TOC, TS
SE-111-89-E-221004-00-0.5	JD53249-7	JD53249	Sediment	PCBs, TOC, TS
SE-111-89-W-221004-0.5-01	JD53249-8	JD53249	Sediment	PCBs, TOC, TS
SE-111-89-W-221004-00-0.5	JD53249-9	JD53249	Sediment	PCBs, TOC, TS
SE-111-89-W-221004-01-1.5	JD53249-10	JD53249	Sediment	PCBs, TOC, TS
SE-111-89-W-221004-02-2.1	JD53249-11	JD53249	Sediment	PCBs, TOC, TS
SE-111-89-W-221004-1.5-02	JD53249-12	JD53249	Sediment	PCBs, TOC, TS
RB-2210041423	JD53249-13	JD53249	Water	PCBs, TOC
SE-114-39-C-221004-0.5-0.7	JD53249-14	JD53249	Sediment	PCBs, TOC, TS
SE-114-39-C-221004-00-0.5	JD53249-15	JD53249	Sediment	PCBs, TOC, TS
SE-114-39-C-BD0001	JD53249-16	JD53249	Sediment	PCBs, TOC, TS
SE-114-39-E-221004-0.5-01	JD53249-17	JD53249	Sediment	PCBs, TOC, TS
SE-114-39-E-221004-00-0.5	JD53249-18	JD53249	Sediment	PCBs, TOC, TS
SE-114-39-E-221004-01-1.4	JD53249-19	JD53249	Sediment	PCBs, TOC, TS
SE-114-39-EG-221004-00-1.4	JD53249-20	JD53249	Sediment	GS, MC
SE-114-39-W-221004-0.5-01	JD53249-21	JD53249	Sediment	PCBs, TOC, TS
SE-114-39-W-221004-00-0.5	JD53249-22	JD53249	Sediment	PCBs, TOC, TS
SE-114-39-W-221004-01-1.5	JD53249-23	JD53249	Sediment	PCBs, TOC, TS
SE-114-39-W-221004-1.5-1.65	JD53249-24	JD53249	Sediment	PCBs, TOC, TS
SE-116-83-C-221004-0.5-01	JD53249-25	JD53249	Sediment	PCBs, TOC, TS
SE-116-83-C-221004-00-0.5	JD53249-26	JD53249	Sediment	PCBs, TOC, TS
SE-116-83-C-221004-01-1.35	JD53249-27	JD53249	Sediment	PCBs, TOC, TS
SE-116-83-E-221004-0.5-0.92	JD53249-28	JD53249	Sediment	PCBs, TOC, TS
SE-116-83-E-221004-00-0.5	JD53249-29	JD53249	Sediment	PCBs, TOC, TS
SE-116-83-W-221004-0.5-01	JD53249-30	JD53249	Sediment	PCBs, TOC, TS
SE-116-83-W-221004-00-0.5	JD53249-31	JD53249	Sediment	PCBs, TOC, TS
SE-116-83-W-221004-01-1.5	JD53249-32	JD53249	Sediment	PCBs, TOC, TS
SE-116-83-W-221004-1.5-02	JD53249-33	JD53249	Sediment	PCBs, TOC, TS
RB-2210041436	JD53267-1	JD53267	Water	PCBs
RB-E-176-86-221004-00-01	JD53267-2	JD53267	Soil	PCBs, TS
RB-E-177-31-221004-00-01	JD53267-3	JD53267	Soil	PCBs, TS
RB-E-177-93-221004-00-01	JD53267-4	JD53267	Soil	PCBs, TS
RB-E-178-40-221004-00-01	JD53267-5	JD53267	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-178-91-221004-00-01	JD53267-6	JD53267	Soil	PCBs, TS
RB-E-179-40-221004-00-01	JD53267-7	JD53267	Soil	PCBs, TS
RB-E-179-88-221004-00-01	JD53267-8	JD53267	Soil	PCBs, TS
RB-E-180-33-221004-00-01	JD53267-9	JD53267	Soil	PCBs, TS
RB-E-180-84-221004-00-01	JD53267-10	JD53267	Soil	PCBs, TS
RB-E-181-35-221004-00-01	JD53267-11A	JD53267	Soil	PCBs, TS, GS, MC
RB-E-181-82-221004-00-01	JD53267-12	JD53267	Soil	PCBs, TS
RB-E-182-22-221004-00-01	JD53267-13	JD53267	Soil	PCBs, TS
RB-E-182-53-221004-00-01	JD53267-14	JD53267	Soil	PCBs, TS
RB-E-182-92-221004-00-01	JD53267-15	JD53267	Soil	PCBs, TS
RB-W-164-12-221004-00-01	JD53267-16	JD53267	Soil	PCBs, TS
RB-W-164-93-221004-00-01	JD53267-17A	JD53267	Soil	PCBs, TS, GS, MC
RB-W-165-40-221004-00-01	JD53267-18	JD53267	Soil	PCBs, TS
RB-W-165-90-221004-00-01	JD53267-19	JD53267	Soil	PCBs, TS
RB-W-166-42-221004-00-01	JD53267-20	JD53267	Soil	PCBs, TS
RB-W-166-90-221004-00-01	JD53267-21	JD53267	Soil	PCBs, TS
RB-W-167-40-221004-00-01	JD53267-22	JD53267	Soil	PCBs, TS
RB-W-167-99-221004-00-01	JD53267-23	JD53267	Soil	PCBs, TS
RB-W-168-49-221004-00-01	JD53267-24	JD53267	Soil	PCBs, TS
RB-W-169-20-221004-00-01	JD53267-25	JD53267	Soil	PCBs, TS
RB-W-169-37-221004-00-01	JD53267-26	JD53267	Soil	PCBs, TS
RB-W-169-93-221004-00-01	JD53267-27	JD53267	Soil	PCBs, TS
RB-W-170-45-221004-00-01	JD53267-28	JD53267	Soil	PCBs, TS
RB-W-170-45-BD0001	JD53267-29	JD53267	Soil	PCBs, TS
RB-2210041457	JD53267-30	JD53267	Water	PCBs
RB-W-170-97-221004-00-01	JD53267-31	JD53267	Soil	PCBs, TS
RB-W-171-47-221004-00-01	JD53267-32A	JD53267	Soil	PCBs, TS, GS, MC
RB-W-171-99-221004-00-01	JD53267-33	JD53267	Soil	PCBs, TS
RB-E-183-75-221006-00-01	JD53634-1A	JD53634	Soil	PCBs, TS, GS, MC
RB-E-184-23-221006-00-01	JD53634-2	JD53634	Soil	PCBs, TS
RB-E-184-82-221006-00-01	JD53634-3	JD53634	Soil	PCBs, TS
RB-E-185-43-221006-00-01	JD53634-4	JD53634	Soil	PCBs, TS
RB-E-185-43-BD0001	JD53634-5	JD53634	Soil	PCBs, TS
RB-E-185-94-221006-00-01	JD53634-6	JD53634	Soil	PCBs, TS
RB-E-186-50-221006-00-01	JD53634-7	JD53634	Soil	PCBs, TS
RB-E-187-45-221006-00-01	JD53634-8	JD53634	Soil	PCBs, TS
RB-E-188-21-221006-00-01	JD53634-9A	JD53634	Soil	PCBs, TS, GS, MC
RB-E-188-74-221006-00-01	JD53634-10	JD53634	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-189-14-221006-00-01	JD53634-11	JD53634	Soil	PCBs, TS
RB-E-189-55-221006-00-01	JD53634-12	JD53634	Soil	PCBs, TS
RB-E-190-00-221006-00-01	JD53634-13	JD53634	Soil	PCBs, TS
RB-W-158-32-221006-00-01	JD53634-14	JD53634	Soil	PCBs, TS
RB-W-158-99-221006-00-01	JD53634-15	JD53634	Soil	PCBs, TS
RB-W-159-49-221006-00-01	JD53634-16	JD53634	Soil	PCBs, TS
RB-W-159-49-BD0001	JD53634-17	JD53634	Soil	PCBs, TS
RB-W-159-90-221006-00-01	JD53634-18	JD53634	Soil	PCBs, TS
RB-W-160-32-221006-00-01	JD53634-19	JD53634	Soil	PCBs, TS
RB-W-160-85-221006-00-01	JD53634-20	JD53634	Soil	PCBs, TS
RB-W-161-11-221006-00-01	JD53634-21	JD53634	Soil	PCBs, TS
RB-2210061452	JD53634-22	JD53634	Water	PCBs
RB-W-161-74-221006-00-01	JD53634-23	JD53634	Soil	PCBs, TS
RB-W-162-69-221006-00-01	JD53634-24A	JD53634	Soil	PCBs, TS, GS, MC
RB-W-163-45-221006-00-01	JD53634-25	JD53634	Soil	PCBs, TS
RB-W-163-65-221006-00-01	JD53634-26	JD53634	Soil	PCBs, TS
RB-W-172-53-221006-00-01	JD53634-27A	JD53634	Soil	PCBs, TS, GS, MC
RB-W-173-57-221006-00-01	JD53634-28	JD53634	Soil	PCBs, TS
RB-W-174-04-221006-00-01	JD53634-29	JD53634	Soil	PCBs, TS
RB-W-175-18-221006-00-01	JD53634-30	JD53634	Soil	PCBs, TS
RB-2210061500	JD53634-31	JD53634	Water	PCBs
RB-W-175-45-221006-00-01	JD53634-32	JD53634	Soil	PCBs, TS
RB-W-175-94-221006-00-01	JD53634-33	JD53634	Soil	PCBs, TS
RB-W-176-42-221006-00-01	JD53634-34	JD53634	Soil	PCBs, TS
RB-W-176-91-221006-00-01	JD53634-35	JD53634	Soil	PCBs, TS
RB-W-177-43-221006-00-01	JD53634-36	JD53634	Soil	PCBs, TS
RB-W-177-82-221006-00-01	JD53634-37	JD53634	Soil	PCBs, TS
RB-W-178-31-221006-00-01	JD53634-38	JD53634	Soil	PCBs, TS
RB-W-178-82-221006-00-01	JD53634-39	JD53634	Soil	PCBs, TS
RB-W-179-32-221006-00-01	JD53634-40	JD53634	Soil	PCBs, TS
RB-W-180-08-221006-00-01	JD53634-41A	JD53634	Soil	PCBs, TS, GS, MC
RB-W-180-63-221006-00-01	JD53634-42	JD53634	Soil	PCBs, TS
RB-W-181-30-221006-00-01	JD53634-43	JD53634	Soil	PCBs, TS
RB-W-183-12-221006-00-01	JD53634-44	JD53634	Soil	PCBs, TS
RB-W-183-78-221006-00-01	JD53634-45	JD53634	Soil	PCBs, TS
RB-W-184-04-221006-00-01	JD53634-46	JD53634	Soil	PCBs, TS
RB-W-184-28-221006-00-01	JD53634-47	JD53634	Soil	PCBs, TS
RB-W-184-60-221006-00-01	JD53634-48	JD53634	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2209291249	JD53634-49	JD53634	Water	PCBs
SE-119-36-C-221006-0.5-01	JD53638-1	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-C-221006-00-0.5	JD53638-2	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-C-221006-01-1.5	JD53638-3	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-C-221006-1.5-02	JD53638-4	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-E-221006-0.5-01	JD53638-5	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-E-221006-00-0.5	JD53638-6	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-E-221006-01-1.5	JD53638-7	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-E-221006-02-2.05	JD53638-8	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-E-221006-1.5-02	JD53638-9	JD53638	Sediment	PCBs, TOC, TS
RB-2210061448	JD53638-10	JD53638	Water	PCBs, TOC
SE-119-36-W-221006-0.5-01	JD53638-11	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-W-221006-00-0.5	JD53638-12	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-W-221006-01-1.28	JD53638-13	JD53638	Sediment	PCBs, TOC, TS
SE-119-36-W-BD0001	JD53638-14	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-C-221006-0.5-01	JD53638-15	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-C-221006-00-0.5	JD53638-16	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-C-221006-01-1.5	JD53638-17	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-C-221006-1.5-1.85	JD53638-18	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-CG-221006-00-1.58	JD53638-19	JD53638	Sediment	GS, MC
SE-121-90-E-221006-0.5-01	JD53638-20	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-E-221006-00-0.5	JD53638-21	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-E-221006-01-1.5	JD53638-22	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-E-221006-1.5-1.9	JD53638-23	JD53638	Sediment	PCBs, TOC, TS
RB-2210061510	JD53638-24	JD53638	Water	PCBs, TOC
SE-121-90-W-221006-0.5-01	JD53638-25	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-W-221006-00-0.5	JD53638-26	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-W-221006-01-1.5	JD53638-27	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-W-221006-1.5-1.8	JD53638-28	JD53638	Sediment	PCBs, TOC, TS
SE-121-90-W-BD0001	JD53638-29	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-C-221006-0.5-01	JD53638-30	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-C-221006-00-0.5	JD53638-31	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-C-221006-01-1.5	JD53638-32	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-C-221006-1.5-1.58	JD53638-33	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-E-221006-0.5-01	JD53638-34	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-E-221006-00-0.5	JD53638-35	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-E-221006-01-1.5	JD53638-36	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-E-221006-1.5-1.73	JD53638-37	JD53638	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-124-36-W-221006-0.5-01	JD53638-38	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-W-221006-00-0.5	JD53638-39	JD53638	Sediment	PCBs, TOC, TS
SE-124-36-W-221006-01-1.33	JD53638-40	JD53638	Sediment	PCBs, TOC, TS
SE-126-88-C4-221007-0.5-01	JD53677-1	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-C4-221007-00-0.5	JD53677-2	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-C4-221007-01-1.5	JD53677-3	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-C4-221007-02-2.5	JD53677-4	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-C4-221007-1.5-02	JD53677-5	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-E4-221007-0.5-01	JD53677-6	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-E4-221007-00-0.5	JD53677-7	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-E4-221007-01-1.5	JD53677-8	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-E4-221007-1.5-02	JD53677-9	JD53677	Sediment	PCBs, TOC, TS
RB-2210071505	JD53677-10	JD53677	Water	PCBs, TOC
SE-126-88-W4-221007-0.5-01	JD53677-11	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-W4-221007-00-0.5	JD53677-12	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-W4-221007-01-1.5	JD53677-13	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-W4-221007-1.5-02	JD53677-14	JD53677	Sediment	PCBs, TOC, TS
SE-126-88-W4-BD0001	JD53677-15	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-C-221007-0.5-01	JD53677-16	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-C-221007-00-0.5	JD53677-17	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-C-221007-01-1.5	JD53677-18	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-C-221007-1.5-1.92	JD53677-19	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-E-221007-0.5-01	JD53677-20	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-E-221007-00-0.5	JD53677-21	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-E-221007-01-1.5	JD53677-22	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-E-221007-1.5-1.8	JD53677-23	JD53677	Sediment	PCBs, TOC, TS
RB-2210071329	JD53677-24	JD53677	Water	PCBs, TOC
SE-129-41-W-221007-0.5-01	JD53677-25	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-W-221007-00-0.5	JD53677-26	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-W-221007-01-1.3	JD53677-27	JD53677	Sediment	PCBs, TOC, TS
SE-129-41-W-BD0001	JD53677-28	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-C-221007-0.5-01	JD53677-29	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-C-221007-00-0.5	JD53677-30	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-C-221007-01-1.5	JD53677-31	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-C-221007-1.5-1.83	JD53677-32	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-E-221007-0.5-01	JD53677-33	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-E-221007-00-0.5	JD53677-34	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-E-221007-01-1.5	JD53677-35	JD53677	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-131-91-E-221007-1.5-1.8	JD53677-36	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-EG-221007-00-1.77	JD53677-37	JD53677	Sediment	GS, MC
SE-131-91-W-221007-0.5-01	JD53677-38	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-W-221007-00-0.5	JD53677-39	JD53677	Sediment	PCBs, TOC, TS
SE-131-91-W-221007-01-1.4	JD53677-40	JD53677	Sediment	PCBs, TOC, TS
RB-2210101550	JD53677-41	JD53677	Water	PCBs
SE-BW5A-2-A-4-221010-00-01	JD53677-42	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-4-221010-01-1.5	JD53677-43	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-4-221010-02-2.31	JD53677-44	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-4-221010-1.5-02	JD53677-45	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-4-BD0001	JD53677-46	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-B-3-221010-00-01	JD53677-47	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-B-3-221010-01-1.5	JD53677-48	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-B-3-221010-02-2.5	JD53677-49	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-B-3-221010-1.5-02	JD53677-50	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-B-5-221010-00-01	JD53677-51	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-B-5-221010-01-1.5	JD53677-52	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-B-5-221010-02-2.5	JD53677-53	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-B-5-221010-1.5-02	JD53677-54	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-A-B-5-221010-2.5-03	JD53677-55	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-2-221010-00-01	JD53677-56	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-2-221010-01-1.5	JD53677-57	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-2-221010-02-2.5	JD53677-58	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-2-221010-1.5-02	JD53677-59	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-C-5-221010-00-01	JD53677-60	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-C-5-221010-01-1.5	JD53677-61	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-C-5-221010-02-2.3	JD53677-62	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-C-5-221010-1.5-02	JD53677-63	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-5-6-221010-00-01	JD53677-64	JD53677	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-2-C-D-5-6-221010-01-1.5	JD53677-65	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-5-6-221010-02-2.5	JD53677-66	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-5-6-221010-1.5-02	JD53677-67	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-5-6-221010-2.5-03	JD53677-68	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-5-6G-221010-00-03	JD53677-69	JD53677	Sediment	GS, MC
SE-BW5A-2-D-5-221010-00-01	JD53677-70	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-D-5-221010-01-1.5	JD53677-71	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-D-5-221010-02-2.5	JD53677-72	JD53677	Sediment	PCBs, TOC, TS
SE-BW5A-2-D-5-221010-1.5-02	JD53677-73	JD53677	Sediment	PCBs, TOC, TS

Data Validation Report – EPA Stage 2A

May 5, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0074

This report summarizes the review of analytical results for 153 soil samples, 90 sediment samples, 11 field duplicate samples, and 12 equipment rinsate blanks collected in October 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Specific gravity (SG) by ASTM D1429
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Six SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times with the following exceptions.

Sixty-eight samples were analyzed outside of the 28-day holding time for TOC. The samples were qualified "J" as estimates.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Twelve equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs. All results were below detection.

Field Duplicates

Eleven field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate RPD values were assessed by the 50% RPD specified in the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	RB-W-186-90- 221007-00-01	RB-W-186-90- BD0001	RPD
Total solids	68.3%	65.7%	4%
Aroclor 1254	1150 µg/kg	1560 µg/kg	30%
Aroclor 1260	7550 µg/kg	9770 µg/kg	26%

Analyte	RB-W-197-12-221007-00-01	RB-W-197-12-BD0001	RPD
Total solids	85.4%	86.4%	1%
Aroclor 1254	1210 µg/kg	889 µg/kg	31%
Aroclor 1260	8660 µg/kg	6620 µg/kg	27%

Analyte	RB-E-197-97-221010-00-01	RB-E-197-97-BD0001	RPD
Total solids	83.4%	80.8%	3%
Aroclor 1254	685 µg/kg	560 µg/kg	20%
Aroclor 1260	3980 µg/kg	3400 µg/kg	16%

Analyte	RB-W-208-91-221010-00-01	RB-W-208-91-BD0001	RPD
Total solids	75.3%	70.9%	6%
Aroclor 1254	952 µg/kg	1050 µg/kg	10%
Aroclor 1260	6620 µg/kg	5870 µg/kg	12%

Analyte	RB-W-225-44-221012-00-01	RB-W-225-44-BD0001	RPD
Total solids	61.9%	67%	8%
Aroclor 1254	57100 µg/kg	18600 µg/kg	102%
Aroclor 1260	179000 µg/kg	56000 µg/kg	105%

Analyte	RB-W-235-79-221012-00-01	RB-W-235-79-BD0001	RPD
Total solids	75.5%	77.7%	3%
Aroclor 1254	358 µg/kg	227 µg/kg	45%
Aroclor 1260	2080 µg/kg	1530 µg/kg	30%

Analyte	RB-W-214-07-221011-00-01	RB-W-214-07-BD0001	RPD
Total solids	66.6%	59.5%	11%
Aroclor 1254	1570 µg/kg	1600 µg/kg	2%
Aroclor 1260	8390 µg/kg	7620 µg/kg	10%

Analyte	SE-BW5A-2-D-1-2-221011-00-01	SE-BW5A-2-D-1-2-BD0001	RPD
TOC	39300 mg/kg	29600 mg/kg	28%
Total solids	50.5%	48.5%	4%
Aroclor 1254	1930 µg/kg	1740 µg/kg	10%
Aroclor 1260	12400 µg/kg	7890 µg/kg	44%

Analyte	SE-BW5A-4-A-B-1-2-221011-1.5-02	SE-BW5A-4-A-B-1-2-BD0001	RPD
TOC	15500 mg/kg	6670 mg/kg	80%
Total solids	76.8%	77%	0%
Aroclor 1254	977 µg/kg	1570 µg/kg	47%
Aroclor 1260	4080 µg/kg	14600 µg/kg	113%

Analyte	SE-BW5A-3-A-B-1-2-221012-00-01	SE-BW5A-3-A-B-1-2-BD0001	RPD
TOC	5770 mg/kg	13700 mg/kg	81%
Total solids	69.8%	71.3%	2%
Aroclor 1254	3670 µg/kg	4220 µg/kg	14%
Aroclor 1260	12600 µg/kg	14600 µg/kg	15%

Analyte	SE-BW5A-3-A-B-5-6-221012-00-01	SE-BW5A-3-A-B-5-6-BD0001	RPD
TOC	26400 mg/kg	18800 mg/kg	34%
Total solids	62.1%	64.8%	4%
Aroclor 1254	1880 µg/kg	4240 µg/kg	77%
Aroclor 1260	5900 µg/kg	20100 µg/kg	109%

Notes:

µg/kg: microgram per kilogram

CL: control limit

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the

surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples; however, data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD53719
 - Decachlorobiphenyl (DCB) recovered 10% in the analysis of sample RB-2210071441. The sample results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the second column analysis of samples RB-E-193-09-221007-00-01, RB-E-196-68-221007-00-01, RB-W-190-45-221007-00-01, and RB-W-197-63-221007-00-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
- SDG JD53720
 - DCB recovered above the control limit in the analysis of sample RB-E-203-62-221010-00-01. The sample results have been qualified "J" to indicate a high bias.
- SDG JD53867
 - Tetrachloro-m-xylene (TMX) and/or DCB recovered above the control limit in the analysis of samples RB-W-228-26-221012-00-01 and RB-W-233-96-221012-00-01. The detected sample results have been qualified "J" to indicate a high bias.
 - DCB recovered above the control limit in the second column analysis of sample RB-W-235-37-221012-00-01. The Aroclor 1254 result has been qualified "J" to indicate a high bias.
- SDG JD53868
 - DCB recovered above the control limit in the second column analysis of sample RB-W-212-57-221011-00-01. The Aroclor 1254 result has been qualified "J" to indicate a high bias.
- SDG JD53869
 - DCB recovered below 10% in the analysis of sample RB-2210111621. TMX and DCB recovered below 10% in the analysis of sample RB-2210111743. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the analysis of samples SE-BW5A-2-C-D-1-221011-01-1.5, SE-BW5A-2-C-D-1-221011-2.5-03, and SE-BW5A-4-A-B-1-2-221011-01-1.5. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
 - DCB recovered above the control limit in the analysis of samples SE-BW5A-2-C-D-1-221011-03-3.31, SE-BW5A-2-C-D-1-221011-1.5-02, and SE-BW5A-4-A-B-3-4-221011-1.5-02. The sample results have been qualified "J" to indicate a high bias.
- SDG JD53870

- DCB recovered above the control limit in the second column analysis of samples SE-BW5A-3-A-B-5-6-221012-01-1.5, SE-BW5A-3-A-B-5-6-BD0001, SE-BW5A-3-B-1-2-221012-00-01, SE-BW5A-3-B-1-2-221012-01-1.5, SE-BW5A-3-B-1-2-221012-02-2.5, SE-BW5A-3-B-7-221012-00-01, SE-BW5A-3-B-7-221012-02-2.5 and SE-BW5A-3-B-7-221012-2.5-03. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
- DCB and TMX recovered below 10% in the analyses of samples RB-2210121550 and RB-2210121657. Associated results were below detection and therefore rejected.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD53720 –
 - The Aroclor 1254 RPD value was above the control limit in the analysis of samples RB-E-206-47-221010-00-01, RB-E-206-79-221010-00-01, RB-W-202-11-221010-00-01, RB-W-203-32-221010-00-01, and RB-W-204-81-221010-00-01. The Aroclor 1254 results have been qualified "J" as estimated.
 - The Aroclor 1260 RPD value was above the control limit in the analysis of samples RB-E-206-79-221010-00-01, RB-E-207-08-221010-00-01, and RB-E-207-08-221010-00-01. The Aroclor 1260 results have been qualified "J" as estimated.
- SDG JD53869 –
 - The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-BW5A-2-B-C-1-2-221011-00-01, SE-BW5A-2-D-1-2-221011-01-1.5, SE-BW5A-2-D-1-2-221011-02-2.5, SE-BW5A-2-D-1-2-221011-2.5-03, SE-BW5A-4-A-B-3-4-221011-03-3.5, SE-BW5A-4-A-B-3-4-221011-2.5-03, and SE-BW5A-4-A-B-3-4-221011-3.5-3.8. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD53870 –
 - The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-BW5A-3-A-B-4-5-221012-02-2.5 and SE-BW5A-3-B-7-221012-02-2.5. The Aroclor 1254 results have been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentration were not detected. Recoveries and/or RPD values within project-required control limits with the following exceptions:

- Aroclor Batch OP42520

- Aroclor 1016 and 1260 recovered below the control limit in the LCS. All sample results were qualified “UJ” to indicate a potentially low bias.
- Aroclor Batch OP42546
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected sample results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP42553
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected sample results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP42666
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS and/or LCSD. All detected sample results were qualified “J” to indicate a potentially high bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentration were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD53869
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-BW5A-2-B-C-1-2-221011-01-1.5. Associated batch sample results have been qualified “J”.
 - TOC recovered above the control limit in the MSD analyzed on sample SE-BW5A-2-B-C-1-2-221011-1.5-02. Associated batch sample results have been qualified “J”.
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-BW5A-2-D-1-2-221011-2.5-03, and the RPD recovered above the control limit. Associated batch sample results have been qualified “J”.
 - TOC recovered below the control limit in the MSD analyzed on sample SE-BW5A-2-D-1-2-221011-2.5-03, and the RPD recovered above the control limit. Associated batch sample results have been qualified “J”.
- SDG JD53870
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-121-90-E-221006-01-1.5 and SE-WP-F-G-4-5-221019-00-0.5 (reviewed in a separate validation report). Associated batch sample results have been qualified “J”.
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-BW5A-3-B-1-2-221012-1.5-02, SE-BW5A-3-A-B-2-3-221012-03-3.3, SE-BW5A-3-A-B-5-

6-221012-01-1.5, and SE-BW5A-3-B-5-221012-1.5-02. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Thirty-five results in five samples were rejected due to low/no recovery. Completeness was greater than 98%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2210071441	PCBs	Aroclor 1016	0.40 ug/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210071513	PCBs	Aroclor 1016	0.38U ug/L	0.38UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210071454	PCBs	Aroclor 1016	0.41U ug/L	0.41UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210101423	PCBs	Aroclor 1016	0.37U ug/L	0.37UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210101356	PCBs	Aroclor 1016	0.36U ug/L	0.36UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-E-193-09-221007-00-01	PCBs	Aroclor 1254	1590 µg/kg	1590J µg/kg	Surrogate %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-196-68-221007-00-01	PCBs	Aroclor 1254	2050 µg/kg	2050J µg/kg	Surrogate %R above CL
RB-E-197-11-221007-00-01	PCBs	Aroclor 1254	4330 µg/kg	4330J µg/kg	LCS %R above CL
		Aroclor 1260	36800 µg/kg	36800J µg/kg	
RB-E-199-31-221007-00-01	PCBs	Aroclor 1254	1360 µg/kg	1360J µg/kg	LCS %R above CL
		Aroclor 1260	11000 µg/kg	11000J µg/kg	
RB-E-199-85-221007-00-01	PCBs	Aroclor 1254	3220 µg/kg	3220J µg/kg	LCS %R above CL
		Aroclor 1260	19200 µg/kg	19200J µg/kg	
RB-E-200-33-221007-00-01	PCBs	Aroclor 1254	1610 µg/kg	1610J µg/kg	LCS %R above CL
		Aroclor 1260	8630 µg/kg	8630J µg/kg	
RB-E-200-89-221007-00-01	PCBs	Aroclor 1254	1700 µg/kg	1700J µg/kg	LCS %R above CL
		Aroclor 1260	10400 µg/kg	10400J µg/kg	
RB-E-201-41-221007-00-01	PCBs	Aroclor 1254	1350 µg/kg	1350J µg/kg	LCS %R above CL
		Aroclor 1260	7440 µg/kg	7440J µg/kg	
RB-E-201-93-221007-00-01	PCBs	Aroclor 1254	1400 µg/kg	1400J µg/kg	LCS %R above CL
		Aroclor 1260	8350 µg/kg	8350J µg/kg	
RB-E-202-38-221007-00-01	PCBs	Aroclor 1254	1960 µg/kg	1960J µg/kg	LCS %R above CL
		Aroclor 1260	13200 µg/kg	13200J µg/kg	
RB-E-202-83-221007-00-01	PCBs	Aroclor 1254	2130 µg/kg	2130J µg/kg	LCS %R above CL
		Aroclor 1260	11300 µg/kg	11300J µg/kg	
RB-W-185-04-221007-00-01	PCBs	Aroclor 1254	1720 µg/kg	1720J µg/kg	LCS %R above CL
		Aroclor 1260	12400 µg/kg	12400J µg/kg	
RB-W-185-70-221007-00-01	PCBs	Aroclor 1254	1250 µg/kg	1250J µg/kg	LCS %R above CL
		Aroclor 1260	10700 µg/kg	10700J µg/kg	
RB-W-185-95-221007-00-01	PCBs	Aroclor 1254	1130 µg/kg	1130J µg/kg	LCS %R above CL
		Aroclor 1260	9400 µg/kg	9400J µg/kg	
RB-W-186-36-221007-00-01	PCBs	Aroclor 1254	1170 µg/kg	1170J µg/kg	LCS %R above CL
		Aroclor 1260	9360 µg/kg	9360J µg/kg	
RB-W-186-74-221007-00-01	PCBs	Aroclor 1254	1730 µg/kg	1730J µg/kg	LCS %R above CL
		Aroclor 1260	11100 µg/kg	11100J µg/kg	
RB-W-186-90-221007-00-01	PCBs	Aroclor 1254	1150 µg/kg	1150J µg/kg	LCS %R above CL
		Aroclor 1260	7550 µg/kg	7550J µg/kg	
RB-W-186-90-BD0001	PCBs	Aroclor 1254	1560 µg/kg	1560J µg/kg	LCS %R above CL
		Aroclor 1260	9770 µg/kg	9770J µg/kg	
RB-W-187-14-221007-00-01	PCBs	Aroclor 1254	1880 µg/kg	1880J µg/kg	LCS %R above CL
		Aroclor 1260	13700 µg/kg	13700J µg/kg	
RB-W-187-75-221007-00-01	PCBs	Aroclor 1254	1620 µg/kg	1620J µg/kg	LCS %R above CL
		Aroclor 1260	13600 µg/kg	13600J µg/kg	
RB-W-187-88-221007-00-01	PCBs	Aroclor 1254	176 µg/kg	176J µg/kg	LCS %R above CL
		Aroclor 1260	952 µg/kg	952J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-188-32-221007-00-01	PCBs	Aroclor 1260	90.8 µg/kg	90.8J µg/kg	LCS %R above CL
RB-W-190-45-221007-00-01	PCBs	Aroclor 1254	1610 µg/kg	1610J µg/kg	Surrogate %R above CL
RB-W-197-63-221007-00-01	PCBs	Aroclor 1254	1810 µg/kg	1810J µg/kg	Surrogate %R above CL
RB-E-190-22-221010-00-01	PCBs	Aroclor 1254	1110 µg/kg	1110J µg/kg	LCS %R above CL
		Aroclor 1260	7610 µg/kg	7610J µg/kg	
RB-E-190-76-221010-00-01	PCBs	Aroclor 1254	934 µg/kg	934J µg/kg	LCS %R above CL
		Aroclor 1260	4960 µg/kg	4960J µg/kg	
RB-E-191-20-221010-00-01	PCBs	Aroclor 1254	164 µg/kg	164J µg/kg	LCS %R above CL
		Aroclor 1260	1040 µg/kg	1040J µg/kg	
RB-E-191-60-221010-00-01	PCBs	Aroclor 1254	583 µg/kg	583J µg/kg	LCS %R above CL
		Aroclor 1260	3500 µg/kg	3500J µg/kg	
RB-E-192-30-221010-00-01	PCBs	Aroclor 1254	1260 µg/kg	1260J µg/kg	LCS %R above CL
		Aroclor 1260	8520 µg/kg	8520J µg/kg	
RB-E-197-56-221010-00-01	PCBs	Aroclor 1254	531 µg/kg	531J µg/kg	LCS %R above CL
		Aroclor 1260	3990 µg/kg	3990J µg/kg	
RB-E-197-97-221010-00-01	PCBs	Aroclor 1254	685 µg/kg	685J µg/kg	LCS %R above CL
		Aroclor 1260	3980 µg/kg	3980J µg/kg	
RB-E-197-97-BD0001	PCBs	Aroclor 1254	560 µg/kg	560J µg/kg	LCS %R above CL
		Aroclor 1260	3400 µg/kg	3400J µg/kg	
RB-E-198-44-221010-00-01	PCBs	Aroclor 1254	726 µg/kg	726J µg/kg	LCS %R above CL
		Aroclor 1260	5180 µg/kg	5180J µg/kg	
RB-E-198-89-221010-00-01	PCBs	Aroclor 1254	2430 µg/kg	2430J µg/kg	LCS %R above CL
		Aroclor 1260	23000 µg/kg	23000J µg/kg	
RB-E-203-62-221010-00-01	PCBs	Aroclor 1254	4060 µg/kg	4060J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	10000 µg/kg	10000J µg/kg	
RB-E-204-89-221010-00-01	PCBs	Aroclor 1254	349 µg/kg	349J µg/kg	LCS %R above CL
		Aroclor 1260	1580 µg/kg	1580J µg/kg	
RB-E-205-28-221010-00-01	PCBs	Aroclor 1254	260 µg/kg	260J µg/kg	LCS %R above CL
		Aroclor 1260	1080 µg/kg	1080J µg/kg	
RB-E-205-67-221010-00-01	PCBs	Aroclor 1254	2110 µg/kg	2110J µg/kg	LCS %R above CL
		Aroclor 1260	12900 µg/kg	12900J µg/kg	
RB-E-206-07-221010-00-01	PCBs	Aroclor 1254	30.5 µg/kg	30.5J µg/kg	LCS %R above CL
		Aroclor 1260	191 µg/kg	191J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-206-47-221010-00-01	PCBs	Aroclor 1254	208 µg/kg	208J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	870 µg/kg	870J µg/kg	LCS %R above CL
RB-E-206-79-221010-00-01	PCBs	Aroclor 1254	71.0 µg/kg	71.0J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	295 µg/kg	295J µg/kg	
RB-E-207-08-221010-00-01	PCBs	Aroclor 1260	57.7 µg/kg	57.7J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
RB-E-207-45-221010-00-01	PCBs	Aroclor 1254	33.5 µg/kg	33.5J µg/kg	LCS %R above CL
		Aroclor 1260	73.1 µg/kg	73.1J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
RB-E-212-01-221010-00-01	PCBs	Aroclor 1254	1070 µg/kg	1070J µg/kg	LCS %R above CL
		Aroclor 1260	6240 µg/kg	6240J µg/kg	
RB-W-202-11-221010-00-01	PCBs	Aroclor 1254	735 µg/kg	735J µg/kg	Column Confirmation RPD above CL
RB-W-203-32-221010-00-01	PCBs	Aroclor 1254	466 µg/kg	466J µg/kg	Column Confirmation RPD above CL
RB-W-204-81-221010-00-01	PCBs	Aroclor 1254	546 µg/kg	546J µg/kg	Column Confirmation RPD above CL
RB-W-225-44-221012-00-01	PCBs	Aroclor 1254	57100 µg/kg	57100J µg/kg	FD RPD above CL
		Aroclor 1260	179000 µg/kg	179000J µg/kg	
RB-W-225-44-BD0001	PCBs	Aroclor 1254	18600 µg/kg	18600J µg/kg	FD RPD above CL
		Aroclor 1260	56000 µg/kg	56000J µg/kg	
RB-W-228-26-221012-00-01	PCBs	Aroclor 1254	3290 µg/kg	3290J µg/kg	Surrogate %R above CL
		Aroclor 1260	12100 µg/kg	12100J µg/kg	
RB-W-233-96-221012-00-01	PCBs	Aroclor 1254	2000 µg/kg	2000 µg/kg	Surrogate %R above CL
		Aroclor 1260	11100 µg/kg	11100 µg/kg	
RB-W-235-37-221012-00-01	PCBs	Aroclor 1254	2270 µg/kg	2270 µg/kg	Surrogate %R above CL
RB-W-212-57-221011-00-01	PCBs	Aroclor 1254	2810 µg/kg	2810 µg/kg	Surrogate %R above CL
RB-2210111621	PCBs	Aroclor 1016	0.45 ug/L	R	Surrogate %R below 10%
		Aroclor 1221	0.45 ug/L	R	
		Aroclor 1232	0.45 ug/L	R	
		Aroclor 1242	0.45 ug/L	R	
		Aroclor 1248	0.45 ug/L	R	
		Aroclor 1254	0.45 ug/L	R	
		Aroclor 1260	0.45 ug/L	R	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2210111743	PCBs	Aroclor 1016	0.38 ug/L	R	Surrogate %R below 10%
		Aroclor 1221	0.38 ug/L	R	
		Aroclor 1232	0.38 ug/L	R	
		Aroclor 1242	0.38 ug/L	R	
		Aroclor 1248	0.38 ug/L	R	
		Aroclor 1254	0.38 ug/L	R	
		Aroclor 1260	0.38 ug/L	R	
SE-BW5A-2-B-C-1-2-221011-00-01	Conventionals	TOC	19000 mg/kg	19000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	2290 µg/kg	2290J µg/kg	Column Confirmation RPD above CL
SE-BW5A-2-B-C-1-2-221011-01-1.5	Conventionals	TOC	6360 mg/kg	6360J mg/kg	MS/MSD %R below CL
SE-BW5A-2-B-C-1-2-221011-02-2.5	Conventionals	TOC	1720 mg/kg	1720J mg/kg	MS/MSD %R below CL
SE-BW5A-2-B-C-1-2-221011-1.5-02	Conventionals	TOC	7100 mg/kg	7100J mg/kg	MSD %R above CL
SE-BW5A-2-B-C-1-2-221011-2.5-2.83	Conventionals	TOC	17700 mg/kg	17700J mg/kg	MSD %R above CL
SE-BW5A-2-C-D-1-221011-00-01	Conventionals	TOC	37100 mg/kg	37100J mg/kg	Holding Times; MSD %R above CL
SE-BW5A-2-C-D-1-221011-01-1.5	Conventionals	TOC	8400 mg/kg	8400J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	2110 µg/kg	2110J µg/kg	Surrogate %R above CL
SE-BW5A-2-C-D-1-221011-02-2.5	Conventionals	TOC	3210 mg/kg	3210J mg/kg	Holding Times; MSD %R above CL
SE-BW5A-2-C-D-1-221011-03-3.31	Conventionals	TOC	17200 mg/kg	17200J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1254	1510 µg/kg	1510J µg/kg	Surrogate %R above CL
		Aroclor 1260	7850 µg/kg	7850J µg/kg	
SE-BW5A-2-C-D-1-221011-1.5-02	Conventionals	TOC	3990 mg/kg	3990J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1254	2600 µg/kg	2600J µg/kg	Surrogate %R above CL
		Aroclor 1260	7380 µg/kg	7380J µg/kg	
SE-BW5A-2-C-D-1-221011-2.5-03	Conventionals	TOC	3400 mg/kg	3400J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1254	2700 µg/kg	2700J µg/kg	Surrogate %R above CL
SE-BW5A-2-D-1-2-221011-00-01	Conventionals	TOC	39300 mg/kg	39300J mg/kg	Holding Times; MSD %R above CL
SE-BW5A-2-D-1-2-221011-01-1.5	Conventionals	TOC	13100 mg/kg	13100J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1254	17600 µg/kg	17600J µg/kg	Column Confirmation RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-2-D-1-2-221011-02-2.5	Conventionals	TOC	75300 mg/kg	75300J mg/kg	MS/MSD %R below CL; Holding Times; MS/MSD RPD above CL
	PCBs	Aroclor 1254	1600 µg/kg	1600J µg/kg	Column Confirmation RPD above CL
SE-BW5A-2-D-1-2-221011-1.5-02	Conventionals	TOC	41800 mg/kg	41800J mg/kg	MS/MSD %R below CL; Holding Times; MS/MSD RPD above CL
SE-BW5A-2-D-1-2-221011-2.5-03	Conventionals	TOC	57000 mg/kg	57000J mg/kg	MS/MSD %R below CL; Holding Times; MS/MSD RPD above CL
	PCBs	Aroclor 1254	3350 µg/kg	3350J µg/kg	Column Confirmation RPD above CL
SE-BW5A-2-D-1-2-BD0001	Conventionals	TOC	29600 mg/kg	29600J mg/kg	MS/MSD %R below CL; Holding Times; MS/MSD RPD above CL
SE-BW5A-4-A-B-1-2-221011-00-01	Conventionals	TOC	25000 mg/kg	25000J mg/kg	MS/MSD %R below CL; Holding Times; MS/MSD RPD above CL
SE-BW5A-4-A-B-1-2-221011-01-1.5	Conventionals	TOC	87100 mg/kg	87100J mg/kg	Holding Times
	PCBs	Aroclor 1254	3640 µg/kg	3640J µg/kg	Surrogate %R above CL
SE-BW5A-4-A-B-1-2-221011-02-2.4	Conventionals	TOC	18800 mg/kg	18800J mg/kg	MS/MSD %R below CL; Holding Times; MS/MSD RPD above CL
SE-BW5A-4-A-B-1-2-221011-1.5-02	Conventionals	TOC	15500 mg/kg	15500J mg/kg	MS/MSD %R below CL; FD RPD above CL; Holding Times; MS/MSD RPD above CL
	PCBs	Aroclor 1260	4080 µg/kg	4080J µg/kg	FD RPD above CL
SE-BW5A-4-A-B-1-2-BD0001	Conventionals	TOC	6670 mg/kg	6670J mg/kg	MS/MSD %R below CL; FD RPD above CL; Holding Times; MS/MSD RPD above CL
	PCBs	Aroclor 1260	14600 µg/kg	14600J µg/kg	FD RPD above CL
SE-BW5A-4-A-B-2-3-221011-00-01	Conventionals	TOC	24700 mg/kg	24700J mg/kg	MS/MSD %R below CL; Holding Times; MS/MSD RPD above CL
SE-BW5A-4-A-B-2-3-221011-01-1.5	Conventionals	TOC	1490 mg/kg	1490J mg/kg	MS/MSD %R below CL; Holding Times; MS/MSD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-4-A-B-2-3-221011-02-2.5	Conventionals	TOC	2360 mg/kg	2360J mg/kg	Holding Times
SE-BW5A-4-A-B-2-3-221011-03-3.5	Conventionals	TOC	3840 mg/kg	3840J mg/kg	Holding Times
SE-BW5A-4-A-B-2-3-221011-1.5-02	Conventionals	TOC	1390 mg/kg	1390J mg/kg	Holding Times
SE-BW5A-4-A-B-2-3-221011-2.5-03	Conventionals	TOC	772 mg/kg	772J mg/kg	Holding Times
SE-BW5A-4-A-B-3-4-221011-00-01	Conventionals	TOC	23200 mg/kg	23200J mg/kg	Holding Times
SE-BW5A-4-A-B-3-4-221011-01-1.5	Conventionals	TOC	15000 mg/kg	15000J mg/kg	Holding Times
SE-BW5A-4-A-B-3-4-221011-02-2.5	Conventionals	TOC	8370 mg/kg	8370J mg/kg	Holding Times
SE-BW5A-4-A-B-3-4-221011-03-3.5	Conventionals	TOC	7330 mg/kg	7330J mg/kg	Holding Times
	PCBs	Aroclor 1254	3170 µg/kg	3170J µg/kg	Column Confirmation RPD above CL
SE-BW5A-4-A-B-3-4-221011-1.5-02	Conventionals	TOC	16500 mg/kg	16500J mg/kg	Holding Times
	PCBs	Aroclor 1254	695 µg/kg	695J µg/kg	Surrogate %R above CL
		Aroclor 1260	5080 µg/kg	5080J µg/kg	
SE-BW5A-4-A-B-3-4-221011-2.5-03	Conventionals	TOC	5270 mg/kg	5270J mg/kg	Holding Times; MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	1490 µg/kg	1490J µg/kg	Column Confirmation RPD above CL
SE-BW5A-4-A-B-3-4-221011-3.5-3.8	Conventionals	TOC	3520 mg/kg	3520J mg/kg	Holding Times; MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	2860 µg/kg	2860J µg/kg	Column Confirmation RPD above CL
RB-2210121550	PCBs	Aroclor 1016	0.45 ug/L	R	Surrogate %R below 10%
		Aroclor 1221	0.45 ug/L	R	
		Aroclor 1232	0.45 ug/L	R	
		Aroclor 1242	0.45 ug/L	R	
		Aroclor 1248	0.45 ug/L	R	
		Aroclor 1254	0.45 ug/L	R	
		Aroclor 1260	0.45 ug/L	R	
RB-2210121657	PCBs	Aroclor 1016	0.43 ug/L	R	Surrogate %R below 10%
		Aroclor 1221	0.43 ug/L	R	
		Aroclor 1232	0.43 ug/L	R	
		Aroclor 1242	0.43 ug/L	R	
		Aroclor 1248	0.43 ug/L	R	
		Aroclor 1254	0.43 ug/L	R	
		Aroclor 1260	0.43 ug/L	R	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-3-A-B-1-2-221012-00-01	Conventionals	TOC	5770 mg/kg	5770J mg/kg	FD RPD above CL; Holding Times; MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	3670 µg/kg	3670J µg/kg	LCSD %R above CL
		Aroclor 1260	12600 µg/kg	12600J µg/kg	
SE-BW5A-3-A-B-1-2-221012-01-1.5	Conventionals	TOC	13900 mg/kg	13900J mg/kg	Holding Times; MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	1520 µg/kg	1520J µg/kg	LCSD %R above CL
		Aroclor 1260	6260 µg/kg	6260J µg/kg	
SE-BW5A-3-A-B-1-2-221012-02-2.5	Conventionals	TOC	3830 mg/kg	3830J mg/kg	Holding Times; MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	97.7 µg/kg	97.7J µg/kg	LCSD %R above CL
		Aroclor 1260	163 µg/kg	163J µg/kg	
SE-BW5A-3-A-B-1-2-221012-03-3.5	Conventionals	TOC	33900 mg/kg	33900J mg/kg	Holding Times; MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1260	57.9 µg/kg	57.9J µg/kg	LCSD %R above CL
SE-BW5A-3-A-B-1-2-221012-1.5-02	Conventionals	TOC	16000 mg/kg	16000J mg/kg	Holding Times; MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	601 µg/kg	601J µg/kg	LCSD %R above CL
		Aroclor 1260	5640 µg/kg	5640J µg/kg	
SE-BW5A-3-A-B-1-2-221012-2.5-03	Conventionals	TOC	6990 mg/kg	6990J mg/kg	Holding Times; MS/MSD RPD above CL; MSD %R below CL
SE-BW5A-3-A-B-1-2-221012-3.5-3.92	Conventionals	TOC	47900 mg/kg	47900J mg/kg	Holding Times; MS/MSD RPD above CL; MSD %R below CL
SE-BW5A-3-A-B-1-2-BD0001	Conventionals	TOC	13700 mg/kg	13700J mg/kg	FD RPD above CL; Holding Times; MS/MSD RPD above CL; MSD %R below CL
SE-BW5A-3-A-B-2-3-221012-00-01	Conventionals	TOC	12200 mg/kg	12200J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	4290 µg/kg	4290J µg/kg	LCSD %R above CL
		Aroclor 1260	12100 µg/kg	12100J µg/kg	
SE-BW5A-3-A-B-2-3-221012-01-1.5	Conventionals	TOC	13100 mg/kg	13100J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	2580 µg/kg	2580J µg/kg	LCSD %R above CL
		Aroclor 1260	9790 µg/kg	9790J µg/kg	
SE-BW5A-3-A-B-2-3-221012-02-2.5	Conventionals	TOC	864 mg/kg	864J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	270 µg/kg	270J µg/kg	LCSD %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-3-A-B-2-3-221012-03-3.3	Conventionals	TOC	1130 mg/kg	1130J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	98.5 µg/kg	98.5J µg/kg	LCSD %R above CL
SE-BW5A-3-A-B-2-3-221012-1.5-02	Conventionals	TOC	1290 mg/kg	1290J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	989 µg/kg	989J µg/kg	LCSD %R above CL
SE-BW5A-3-A-B-2-3-221012-2.5-03	Conventionals	TOC	562 mg/kg	562J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	45.4 µg/kg	45.4J µg/kg	LCSD %R above CL
SE-BW5A-3-A-B-3-4-221012-00-01	Conventionals	TOC	12700 mg/kg	12700J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	3040 µg/kg	3040J µg/kg	LCSD %R above CL
		Aroclor 1260	15500 µg/kg	15500J µg/kg	
SE-BW5A-3-A-B-3-4-221012-01-1.5	Conventionals	TOC	4950 mg/kg	4950J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	505000 µg/kg	505000J µg/kg	LCSD %R above CL
SE-BW5A-3-A-B-3-4-221012-02-2.5	Conventionals	TOC	721 mg/kg	721J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	2570 µg/kg	2570J µg/kg	LCSD %R above CL
SE-BW5A-3-A-B-3-4-221012-1.5-02	Conventionals	TOC	7120 mg/kg	7120J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	9010 µg/kg	9010J µg/kg	LCSD %R above CL
SE-BW5A-3-A-B-3-4-221012-2.5-2.7	Conventionals	TOC	587 mg/kg	587J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	43.7 µg/kg	43.7J µg/kg	LCSD %R above CL
SE-BW5A-3-A-B-4-5-221012-00-01	Conventionals	TOC	18400 mg/kg	18400J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	585000 µg/kg	585000J µg/kg	LCSD %R above CL
SE-BW5A-3-A-B-4-5-221012-01-1.5	Conventionals	TOC	22400 mg/kg	22400J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-A-B-4-5-221012-02-2.5	Conventionals	TOC	553 mg/kg	553J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	62.4 µg/kg	62.4J µg/kg	Column Confirmation RPD above CL
SE-BW5A-3-A-B-4-5-221012-1.5-02	Conventionals	TOC	981 mg/kg	981J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-A-B-4-5-221012-2.5-2.7	Conventionals	TOC	895 mg/kg	895J mg/kg	MS %R below CL; Holding Times
SE-BW5A-3-A-B-5-6-221012-00-01	Conventionals	TOC	26400 mg/kg	26400J mg/kg	MS %R below CL; Holding Times
	PCBs	Aroclor 1254	1880 µg/kg	1880J µg/kg	FD RPD above CL
	PCBs	Aroclor 1260	5900 µg/kg	5900J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-3-A-B-5-6-221012-01-1.5	Conventionals	TOC	8020 mg/kg	8020J mg/kg	MS %R below CL; Holding Times
	PCBs	Aroclor 1254	2250 µg/kg	2250J µg/kg	Surrogate %R above CL
SE-BW5A-3-A-B-5-6-221012-02-2.5	Conventionals	TOC	7880 mg/kg	7880J mg/kg	MS %R below CL; Holding Times
SE-BW5A-3-A-B-5-6-221012-1.5-02	Conventionals	TOC	2070 mg/kg	2070J mg/kg	MS %R below CL; Holding Times
SE-BW5A-3-A-B-5-6-221012-2.5-2.85	Conventionals	TOC	7930 mg/kg	7930J mg/kg	MS/MSD %R below CL
SE-BW5A-3-A-B-5-6-BD0001	Conventionals	TOC	18800 mg/kg	18800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	4240 µg/kg	4240J µg/kg	FD RPD above CL; Surrogate %R above CL
		Aroclor 1260	20100 µg/kg	20100J µg/kg	FD RPD above CL
SE-BW5A-3-B-7-221012-00-01	Conventionals	TOC	22700 mg/kg	22700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1580 µg/kg	1580J µg/kg	Surrogate %R above CL
SE-BW5A-3-B-7-221012-01-1.5	Conventionals	TOC	6660 mg/kg	6660J mg/kg	MS/MSD %R below CL
SE-BW5A-3-B-7-221012-02-2.5	Conventionals	TOC	26900 mg/kg	26900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	4770 µg/kg	4770J µg/kg	Column Confirmation RPD above CL; Surrogate %R above CL
SE-BW5A-3-B-7-221012-03-3.12	Conventionals	TOC	13800 mg/kg	13800J mg/kg	MS/MSD %R below CL
SE-BW5A-3-B-7-221012-2.5-03	PCBs	Aroclor 1254	3070 µg/kg	3070J µg/kg	Surrogate %R above CL
SE-BW5A-3-B-1-2-221012-00-01	PCBs	Aroclor 1254	5140 µg/kg	5140J µg/kg	Surrogate %R above CL
SE-BW5A-3-B-1-2-221012-01-1.5	Conventionals	TOC	3540 mg/kg	3540J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	4100 µg/kg	4100J µg/kg	Surrogate %R above CL
SE-BW5A-3-B-1-2-221012-02-2.5	Conventionals	TOC	11000 mg/kg	11000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1040 µg/kg	1040J µg/kg	Surrogate %R above CL
SE-BW5A-3-B-1-2-221012-03-3.5	Conventionals	TOC	6840 mg/kg	6840J mg/kg	MS/MSD %R below CL
SE-BW5A-3-B-1-2-221012-1.5-02	Conventionals	TOC	1860 mg/kg	1860J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-3-B-1-2-221012-2.5-03	Conventionals	TOC	5310 mg/kg	5310J mg/kg	MS/MSD %R below CL
SE-BW5A-3-B-5-221012-00-01	Conventionals	TOC	30000 mg/kg	30000J mg/kg	MS/MSD %R below CL
SE-BW5A-3-B-5-221012-01-1.5	Conventionals	TOC	9120 mg/kg	9120J mg/kg	MS %R below CL; Holding Times
SE-BW5A-3-B-5-221012-02-2.5	Conventionals	TOC	2350 mg/kg	2350J mg/kg	MS %R below CL; Holding Times
SE-BW5A-3-B-5-221012-03-3.5	Conventionals	TOC	41900 mg/kg	41900J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-B-5-221012-1.5-02	Conventionals	TOC	7780 mg/kg	7780J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-B-5-221012-2.5-03	Conventionals	TOC	18700 mg/kg	18700J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-B-6-221012-00-01	Conventionals	TOC	13300 mg/kg	13300J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-B-6-221012-01-1.5	Conventionals	TOC	19000 mg/kg	19000J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-B-6-221012-02-2.5	Conventionals	TOC	421 mg/kg	421J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-B-6-221012-03-3.5	Conventionals	TOC	1160 mg/kg	1160J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-B-6-221012-1.5-02	Conventionals	TOC	1610 mg/kg	1610J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-3-B-6-221012-2.5-03	Conventionals	TOC	603 mg/kg	603J mg/kg	MS/MSD %R below CL; Holding Times

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-192-53-221007-00-01	JD53719-1	JD53719	Soil	PCBs, TS
RB-E-193-09-221007-00-01	JD53719-2	JD53719	Soil	PCBs, TS
RB-E-193-59-221007-00-01	JD53719-3	JD53719	Soil	PCBs, TS
RB-E-194-10-221007-00-01	JD53719-4	JD53719	Soil	PCBs, TS
RB-E-194-61-221007-00-01	JD53719-5	JD53719	Soil	PCBs, TS
RB-E-195-15-221007-00-01	JD53719-6	JD53719	Soil	PCBs, TS
RB-E-195-64-221007-00-01	JD53719-7	JD53719	Soil	PCBs, TS
RB-E-196-20-221007-00-01	JD53719-8	JD53719	Soil	PCBs, TS
RB-E-196-68-221007-00-01	JD53719-9	JD53719	Soil	PCBs, TS
RB-E-197-11-221007-00-01	JD53719-10	JD53719	Soil	PCBs, TS
RB-E-199-31-221007-00-01	JD53719-11	JD53719	Soil	PCBs, TS
RB-E-199-85-221007-00-01	JD53719-12	JD53719	Soil	PCBs, TS
RB-E-200-33-221007-00-01	JD53719-13	JD53719	Soil	PCBs, TS
RB-E-200-89-221007-00-01	JD53719-14	JD53719	Soil	PCBs, TS
RB-E-201-41-221007-00-01	JD53719-15	JD53719	Soil	PCBs, TS
RB-E-201-93-221007-00-01	JD53719-16	JD53719	Soil	PCBs, TS
RB-E-202-38-221007-00-01	JD53719-17	JD53719	Soil	PCBs, TS, GS, MC, SG, Density
RB-2210071441	JD53719-18	JD53719	Water	PCBs
RB-E-202-83-221007-00-01	JD53719-19	JD53719	Soil	PCBs, TS
RB-2210071513	JD53719-20	JD53719	Water	PCBs
RB-W-185-04-221007-00-01	JD53719-21	JD53719	Soil	PCBs, TS
RB-W-185-70-221007-00-01	JD53719-22	JD53719	Soil	PCBs, TS
RB-W-185-95-221007-00-01	JD53719-23	JD53719	Soil	PCBs, TS, GS, MC
RB-W-186-36-221007-00-01	JD53719-24	JD53719	Soil	PCBs, TS
RB-W-186-74-221007-00-01	JD53719-25	JD53719	Soil	PCBs, TS
RB-W-186-90-221007-00-01	JD53719-26	JD53719	Soil	PCBs, TS
RB-W-186-90-BD0001	JD53719-27	JD53719	Soil	PCBs, TS
RB-W-187-14-221007-00-01	JD53719-28	JD53719	Soil	PCBs, TS
RB-W-187-75-221007-00-01	JD53719-29	JD53719	Soil	PCBs, TS
RB-W-187-88-221007-00-01	JD53719-30	JD53719	Soil	PCBs, TS, GS, MC
RB-W-188-32-221007-00-01	JD53719-31	JD53719	Soil	PCBs, TS
RB-W-188-55-221007-00-01	JD53719-32	JD53719	Soil	PCBs, TS
RB-W-189-08-221007-00-01	JD53719-33	JD53719	Soil	PCBs, TS
RB-W-189-35-221007-00-01	JD53719-34	JD53719	Soil	PCBs, TS
RB-W-189-79-221007-00-01	JD53719-35	JD53719	Soil	PCBs, TS
RB-W-190-45-221007-00-01	JD53719-36	JD53719	Soil	PCBs, TS
RB-W-190-94-221007-00-01	JD53719-37	JD53719	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-191-54-221007-00-01	JD53719-38	JD53719	Soil	PCBs, TS
RB-W-192-07-221007-00-01	JD53719-39	JD53719	Soil	PCBs, TS
RB-W-192-61-221007-00-01	JD53719-40	JD53719	Soil	PCBs, TS, GS, MC
RB-W-193-03-221007-00-01	JD53719-41	JD53719	Soil	PCBs, TS
RB-W-193-71-221007-00-01	JD53719-42	JD53719	Soil	PCBs, TS
RB-W-194-66-221007-00-01	JD53719-43	JD53719	Soil	PCBs, TS
RB-W-195-11-221007-00-01	JD53719-44	JD53719	Soil	PCBs, TS
RB-W-197-12-221007-00-01	JD53719-45	JD53719	Soil	PCBs, TS
RB-W-197-12-BD0001	JD53719-46	JD53719	Soil	PCBs, TS
RB-W-197-63-221007-00-01	JD53719-47	JD53719	Soil	PCBs, TS
RB-W-198-22-221007-00-01	JD53719-48	JD53719	Soil	PCBs, TS, GS, MC
RB-2210071454	JD53719-49	JD53719	Water	PCBs
RB-W-198-76-221007-00-01	JD53719-50	JD53719	Soil	PCBs, TS
RB-W-199-33-221007-00-01	JD53719-51	JD53719	Soil	PCBs, TS
RB-W-199-81-221007-00-01	JD53719-52	JD53719	Soil	PCBs, TS
RB-E-190-22-221010-00-01	JD53720-1	JD53720	Soil	PCBs, TS
RB-2210101423	JD53720-2	JD53720	Water	PCBs
RB-E-190-76-221010-00-01	JD53720-3	JD53720	Soil	PCBs, TS
RB-E-191-20-221010-00-01	JD53720-4	JD53720	Soil	PCBs, TS, GS, MC
RB-E-191-60-221010-00-01	JD53720-5	JD53720	Soil	PCBs, TS
RB-E-192-30-221010-00-01	JD53720-6	JD53720	Soil	PCBs, TS
RB-E-197-56-221010-00-01	JD53720-7	JD53720	Soil	PCBs, TS
RB-E-197-97-221010-00-01	JD53720-8	JD53720	Soil	PCBs, TS
RB-E-197-97-BD0001	JD53720-9	JD53720	Soil	PCBs, TS
RB-E-198-44-221010-00-01	JD53720-10	JD53720	Soil	PCBs, TS
RB-E-198-89-221010-00-01	JD53720-11	JD53720	Soil	PCBs, TS
RB-E-203-23-221010-00-01	JD53720-12	JD53720	Soil	PCBs, TS
RB-2210101356	JD53720-13	JD53720	Water	PCBs
RB-E-203-62-221010-00-01	JD53720-14	JD53720	Soil	PCBs, TS
RB-E-204-89-221010-00-01	JD53720-15	JD53720	Soil	PCBs, TS
RB-E-205-28-221010-00-01	JD53720-16	JD53720	Soil	PCBs, TS
RB-E-205-67-221010-00-01	JD53720-17	JD53720	Soil	PCBs, TS
RB-E-206-07-221010-00-01	JD53720-18	JD53720	Soil	PCBs, TS
RB-E-206-47-221010-00-01	JD53720-19	JD53720	Soil	PCBs, TS
RB-E-206-79-221010-00-01	JD53720-20	JD53720	Soil	PCBs, TS
RB-E-207-08-221010-00-01	JD53720-21	JD53720	Soil	PCBs, TS
RB-E-207-45-221010-00-01	JD53720-22	JD53720	Soil	PCBs, TS, GS, MC
RB-E-207-94-221010-00-01	JD53720-23	JD53720	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-208-41-221010-00-01	JD53720-24	JD53720	Soil	PCBs, TS
RB-E-210-43-221010-00-01	JD53720-25	JD53720	Soil	PCBs, TS
RB-E-210-97-221010-00-01	JD53720-26	JD53720	Soil	PCBs, TS
RB-E-211-46-221010-00-01	JD53720-27	JD53720	Soil	PCBs, TS, GS, MC, SG, Density
RB-E-212-01-221010-00-01	JD53720-28	JD53720	Soil	PCBs, TS
RB-E-212-53-221010-00-01	JD53720-29	JD53720	Soil	PCBs, TS
RB-W-200-28-221010-00-01	JD53720-30	JD53720	Soil	PCBs, TS
RB-W-200-74-221010-00-01	JD53720-31	JD53720	Soil	PCBs, TS
RB-W-201-17-221010-00-01	JD53720-32	JD53720	Soil	PCBs, TS
RB-W-201-62-221010-00-01	JD53720-33	JD53720	Soil	PCBs, TS
RB-W-202-11-221010-00-01	JD53720-34	JD53720	Soil	PCBs, TS
RB-W-202-65-221010-00-01	JD53720-35	JD53720	Soil	PCBs, TS
RB-W-203-32-221010-00-01	JD53720-36	JD53720	Soil	PCBs, TS, GS, MC
RB-W-203-97-221010-00-01	JD53720-37	JD53720	Soil	PCBs, TS
RB-W-204-58-221010-00-01	JD53720-38	JD53720	Soil	PCBs, TS
RB-W-204-81-221010-00-01	JD53720-39	JD53720	Soil	PCBs, TS
RB-W-205-45-221010-00-01	JD53720-40	JD53720	Soil	PCBs, TS
RB-W-206-09-221010-00-01	JD53720-41	JD53720	Soil	PCBs, TS
RB-W-206-43-221010-00-01	JD53720-42	JD53720	Soil	PCBs, TS
RB-W-207-42-221010-00-01	JD53720-43	JD53720	Soil	PCBs, TS
RB-W-207-93-221010-00-01	JD53720-44	JD53720	Soil	PCBs, TS
RB-W-208-45-221010-00-01	JD53720-45	JD53720	Soil	PCBs, TS
RB-W-208-91-221010-00-01	JD53720-46	JD53720	Soil	PCBs, TS
RB-W-208-91-BD0001	JD53720-47	JD53720	Soil	PCBs, TS
RB-W-209-42-221010-00-01	JD53720-48	JD53720	Soil	PCBs, TS
RB-W-222-83-221012-00-01	JD53867-1	JD53867	Soil	PCBs, TS
RB-W-223-57-221012-00-01	JD53867-2	JD53867	Soil	PCBs, TS
RB-W-223-90-221012-00-01	JD53867-3	JD53867	Soil	PCBs, TS
RB-2210121405	JD53867-4	JD53867	Water	PCBs
RB-W-224-46-221012-00-01	JD53867-5	JD53867	Soil	PCBs, TS
RB-W-224-92-221012-00-01	JD53867-6	JD53867	Soil	PCBs, TS, GS, MC
RB-W-225-44-221012-00-01	JD53867-7	JD53867	Soil	PCBs, TS
RB-W-225-44-BD0001	JD53867-8	JD53867	Soil	PCBs, TS
RB-W-226-03-221012-00-01	JD53867-9	JD53867	Soil	PCBs, TS
RB-W-226-60-221012-00-01	JD53867-10	JD53867	Soil	PCBs, TS
RB-W-227-02-221012-00-01	JD53867-11	JD53867	Soil	PCBs, TS
RB-W-227-62-221012-00-01	JD53867-12	JD53867	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-228-26-221012-00-01	JD53867-13	JD53867	Soil	PCBs, TS
RB-W-229-04-221012-00-01	JD53867-14	JD53867	Soil	PCBs, TS
RB-W-229-66-221012-00-01	JD53867-15	JD53867	Soil	PCBs, TS, GS, MC
RB-2210121413	JD53867-16	JD53867	Water	PCBs
RB-W-230-17-221012-00-01	JD53867-17	JD53867	Soil	PCBs, TS
RB-W-230-69-221012-00-01	JD53867-18	JD53867	Soil	PCBs, TS
RB-W-231-26-221012-00-01	JD53867-19	JD53867	Soil	PCBs, TS
RB-W-231-84-221012-00-01	JD53867-20	JD53867	Soil	PCBs, TS
RB-W-232-41-221012-00-01	JD53867-21	JD53867	Soil	PCBs, TS
RB-W-232-90-221012-00-01	JD53867-22	JD53867	Soil	PCBs, TS
RB-W-233-45-221012-00-01	JD53867-23	JD53867	Soil	PCBs, TS
RB-W-233-96-221012-00-01	JD53867-24	JD53867	Soil	PCBs, TS
RB-W-234-33-221012-00-01	JD53867-25	JD53867	Soil	PCBs, TS
RB-W-235-18-221012-00-01	JD53867-26	JD53867	Soil	PCBs, TS
RB-W-235-37-221012-00-01	JD53867-27	JD53867	Soil	PCBs, TS
RB-W-235-79-221012-00-01	JD53867-28	JD53867	Soil	PCBs, TS
RB-W-235-79-BD0001	JD53867-29	JD53867	Soil	PCBs, TS
RB-W-236-47-221012-00-01	JD53867-30	JD53867	Soil	PCBs, TS
RB-W-236-95-221012-00-01	JD53867-31	JD53867	Soil	PCBs, TS
RB-W-238-44-221012-00-01	JD53867-32	JD53867	Soil	PCBs, TS, GS, MC
RB-W-239-16-221012-00-01	JD53867-33	JD53867	Soil	PCBs, TS
RB-W-239-81-221012-00-01	JD53867-34	JD53867	Soil	PCBs, TS
RB-W-240-32-221012-00-01	JD53867-35	JD53867	Soil	PCBs, TS
RB-W-241-06-221012-00-01	JD53867-36	JD53867	Soil	PCBs, TS
RB-W-241-66-221012-00-01	JD53867-37	JD53867	Soil	PCBs, TS
RB-2210111436	JD53868-1	JD53868	Water	PCBs
RB-W-209-87-221011-00-01	JD53868-2	JD53868	Soil	PCBs, TS
RB-W-210-29-221011-00-01	JD53868-3	JD53868	Soil	PCBs, TS
RB-W-210-76-221011-00-01	JD53868-4	JD53868	Soil	PCBs, TS
RB-W-211-19-221011-00-01	JD53868-5	JD53868	Soil	PCBs, TS
RB-W-211-64-221011-00-01	JD53868-6	JD53868	Soil	PCBs, TS
RB-W-212-12-221011-00-01	JD53868-7	JD53868	Soil	PCBs, TS, GS, MC
RB-W-212-57-221011-00-01	JD53868-8	JD53868	Soil	PCBs, TS
RB-W-213-09-221011-00-01	JD53868-9	JD53868	Soil	PCBs, TS
RB-W-213-59-221011-00-01	JD53868-10	JD53868	Soil	PCBs, TS
RB-W-214-07-221011-00-01	JD53868-11	JD53868	Soil	PCBs, TS
RB-W-214-07-BD0001	JD53868-12	JD53868	Soil	PCBs, TS
RB-W-214-60-221011-00-01	JD53868-13	JD53868	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-215-11-221011-00-01	JD53868-14	JD53868	Soil	PCBs, TS
RB-W-215-57-221011-00-01	JD53868-15	JD53868	Soil	PCBs, TS
RB-W-216-01-221011-00-01	JD53868-16	JD53868	Soil	PCBs, TS
RB-W-216-38-221011-00-01	JD53868-17	JD53868	Soil	PCBs, TS
RB-W-216-77-221011-00-01	JD53868-18	JD53868	Soil	PCBs, TS
RB-W-217-21-221011-00-01	JD53868-19	JD53868	Soil	PCBs, TS
RB-W-217-62-221011-00-01	JD53868-20	JD53868	Soil	PCBs, TS
RB-W-218-09-221011-00-01	JD53868-21	JD53868	Soil	PCBs, TS, GS, MC
RB-W-218-48-221011-00-01	JD53868-22	JD53868	Soil	PCBs, TS
RB-W-218-81-221011-00-01	JD53868-23	JD53868	Soil	PCBs, TS
RB-W-219-22-221011-00-01	JD53868-24	JD53868	Soil	PCBs, TS
RB-W-219-64-221011-00-01	JD53868-25	JD53868	Soil	PCBs, TS
RB-W-220-14-221011-00-01	JD53868-26	JD53868	Soil	PCBs, TS, GS, MC
RB-W-220-65-221011-00-01	JD53868-27	JD53868	Soil	PCBs, TS
RB-W-221-10-221011-00-01	JD53868-28	JD53868	Soil	PCBs, TS
RB-W-221-59-221011-00-01	JD53868-29	JD53868	Soil	PCBs, TS
RB-W-222-04-221011-00-01	JD53868-30	JD53868	Soil	PCBs, TS
RB-W-222-44-221011-00-01	JD53868-31	JD53868	Soil	PCBs, TS
SE-BW5A-2-B-C-1-2-221011-00-01	JD53869-1	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-C-1-2-221011-01-1.5	JD53869-2	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-C-1-2-221011-02-2.5	JD53869-3	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-C-1-2-221011-1.5-02	JD53869-4	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-B-C-1-2-221011-2.5-2.83	JD53869-5	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-1-221011-00-01	JD53869-6	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-1-221011-01-1.5	JD53869-7	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-1-221011-02-2.5	JD53869-8	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-1-221011-03-3.31	JD53869-9	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-1-221011-1.5-02	JD53869-10	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-C-D-1-221011-2.5-03	JD53869-11	JD53869	Sediment	PCBs, TOC, TS
RB-2210111621	JD53869-12	JD53869	Water	PCBs
SE-BW5A-2-D-1-2-221011-00-01	JD53869-13	JD53869	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-2-D-1-2-221011-01-1.5	JD53869-14	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-D-1-2-221011-02-2.5	JD53869-15	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-D-1-2-221011-1.5-02	JD53869-16	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-D-1-2-221011-2.5-03	JD53869-17	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-2-D-1-2-BD0001	JD53869-18	JD53869	Sediment	PCBs, TOC, TS
RB-2210111743	JD53869-19	JD53869	Water	PCBs
SE-BW5A-4-A-B-1-2-221011-00-01	JD53869-20	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-1-2-221011-01-1.5	JD53869-21	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-1-2-221011-02-2.4	JD53869-22	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-1-2-221011-1.5-02	JD53869-23	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-1-2-BD0001	JD53869-24	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-2-3-221011-00-01	JD53869-25	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-2-3-221011-01-1.5	JD53869-26	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-2-3-221011-02-2.5	JD53869-27	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-2-3-221011-03-3.5	JD53869-28	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-2-3-221011-1.5-02	JD53869-29	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-2-3-221011-2.5-03	JD53869-30	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-3-4-221011-00-01	JD53869-31	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-3-4-221011-01-1.5	JD53869-32	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-3-4-221011-02-2.5	JD53869-33	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-3-4-221011-03-3.5	JD53869-34	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-3-4-221011-1.5-02	JD53869-35	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-3-4-221011-2.5-03	JD53869-36	JD53869	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-4-A-B-3-4-221011-3.5-3.8	JD53869-37	JD53869	Sediment	PCBs, TOC, TS
SE-BW5A-4-A-B-3-4G-221011-00-2.55	JD53869-38	JD53869	Sediment	GS, MC
SE-BW5A-4-A-B-3-4G-221011-2.55-3.1	JD53869-39	JD53869	Sediment	GS, MC
RB-2210121657	JD53870-1	JD53870	Water	PCBs
SE-BW5A-3-A-B-1-2-221012-00-01	JD53870-2	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-1-2-221012-01-1.5	JD53870-3	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-1-2-221012-02-2.5	JD53870-4	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-1-2-221012-03-3.5	JD53870-5	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-1-2-221012-1.5-02	JD53870-6	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-1-2-221012-2.5-03	JD53870-7	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-1-2-221012-3.5-3.92	JD53870-8	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-1-2-BD0001	JD53870-9	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-2-3-221012-00-01	JD53870-10	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-2-3-221012-01-1.5	JD53870-11	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-2-3-221012-02-2.5	JD53870-12	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-2-3-221012-03-3.3	JD53870-13	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-2-3-221012-1.5-02	JD53870-14	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-2-3-221012-2.5-03	JD53870-15	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-3-4-221012-00-01	JD53870-16	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-3-4-221012-01-1.5	JD53870-17	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-3-4-221012-02-2.5	JD53870-18	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-3-4-221012-1.5-02	JD53870-19	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-3-4-221012-2.5-2.7	JD53870-20	JD53870	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-3-A-B-4-5-221012-00-01	JD53870-21	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-4-5-221012-01-1.5	JD53870-22	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-4-5-221012-02-2.5	JD53870-23	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-4-5-221012-1.5-02	JD53870-24	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-4-5-221012-2.5-2.7	JD53870-25	JD53870	Sediment	PCBs, TOC, TS
RB-2210121550	JD53870-26	JD53870	Water	PCBs
SE-BW5A-3-A-B-5-6-221012-00-01	JD53870-27	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-5-6-221012-01-1.5	JD53870-28	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-5-6-221012-02-2.5	JD53870-29	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-5-6-221012-1.5-02	JD53870-30	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-5-6-221012-2.5-2.85	JD53870-31	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-A-B-5-6-BD0001	JD53870-32	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-7-221012-00-01	JD53870-33	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-7-221012-01-1.5	JD53870-34	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-7-221012-02-2.5	JD53870-35	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-7-221012-03-3.12	JD53870-36	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-7-221012-1.5-02	JD53870-37	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-7-221012-2.5-03	JD53870-38	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-1-2-221012-00-01	JD53870-39	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-1-2-221012-01-1.5	JD53870-40	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-1-2-221012-02-2.5	JD53870-41	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-1-2-221012-03-3.5	JD53870-42	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-1-2-221012-1.5-02	JD53870-43	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-1-2-221012-2.5-03	JD53870-44	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-5-221012-00-01	JD53870-45	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-5-221012-01-1.5	JD53870-46	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-5-221012-02-2.5	JD53870-47	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-5-221012-03-3.5	JD53870-48	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-5-221012-1.5-02	JD53870-49	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-5-221012-2.5-03	JD53870-50	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-5G-221012-00-1.4	JD53870-51	JD53870	Sediment	GS, MC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-3-B-5G-221012-02-3.5	JD53870-52	JD53870	Sediment	GS, MC
SE-BW5A-3-B-5G-221012-1.4-02	JD53870-53	JD53870	Sediment	GS, MC
SE-BW5A-3-B-6-221012-00-01	JD53870-54	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-6-221012-01-1.5	JD53870-55	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-6-221012-02-2.5	JD53870-56	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-6-221012-03-3.5	JD53870-57	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-6-221012-1.5-02	JD53870-58	JD53870	Sediment	PCBs, TOC, TS
SE-BW5A-3-B-6-221012-2.5-03	JD53870-59	JD53870	Sediment	PCBs, TOC, TS

Data Validation Report – EPA Stage 2A

May 8, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0076

This report summarizes the review of analytical results for 34 soil samples, 165 sediment samples, 10 field duplicate samples, and 10 equipment rinsate blanks collected in October 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Six SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times with the exception of 21 samples that were analyzed outside of the 28-day holding time for TOC. The samples were qualified "J" to indicate they are estimated.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Ten equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and nine were also analyzed for TOC. All results were below detection.

Field Duplicates

Ten field duplicates were collected in association with these sample sets. Detected results in the remaining are summarized in Table 1. Results that were less than five times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-WP-E-F-9-10-221018-01-1.5	SE-WP-E-F-9-10-BD0001	RPD	Difference	Difference CL
TOC	71700 mg/kg	51400 mg/kg	33%	--	--
Total solids	44.8%	42.5%	5%	--	--
Aroclor 1254	3960 µg/kg	2610 µg/kg	41%	--	--
Aroclor 1260	4050 µg/kg	5060 µg/kg	22%	--	--

Analyte	SE-WP-G-5-221018-00-0.5	SE-WP-G-5-BD0001	RPD	Difference	Difference CL
TOC	20600 mg/kg	24700 mg/kg	18%	--	--
Total solids	54.3%	56.8%	5%	--	--
Aroclor 1254	414 µg/kg	591 µg/kg	35%	--	--
Aroclor 1260	1280 µg/kg	1770 µg/kg	32%	--	--

Analyte	SE-WP-D-E-5-6-221019-02-2.47	SE-WP-D-E-5-6-BD0001	RPD	Difference	Difference CL
TOC	70500 mg/kg	89600 mg/kg	24%	--	--
Total solids	39.1%	33.9%	14%	--	--

Analyte	SE-WP-E-F-2-3-221019-1.5-02	SE-WP-E-F-2-3-BD0001	RPD	Difference	Difference CL
TOC	109000 mg/kg	79900 mg/kg	31%	--	--
Total solids	28.8%	31.8%	10%	--	--
Aroclor 1254	6770 µg/kg	10200 µg/kg	40%	--	--
Aroclor 1260	3660 µg/kg	14300 µg/kg	118%	--	--

Analyte	SE-WP-F-G-4-5-221019-0.5-01	SE-WP-F-G-4-5-BD0001	RPD	Difference	Difference CL
TOC	57600 mg/kg	51400 mg/kg	11%	--	--
Total solids	27.8%	28.3%	2%	--	--
Aroclor 1254	2020 µg/kg	968 µg/kg	70%	--	--
Aroclor 1260	3840 µg/kg	1880 µg/kg	69%	--	--

Analyte	SE-WP-D-E-2-221013-0.5-01	SE-WP-D-E-2-BD0001	RPD	Difference	Difference CL
TOC	37900 mg/kg	43800 mg/kg	14%	--	--
Total solids	55.7%	51.3%	8%	--	--
Aroclor 1254	58U µg/kg	271 µg/kg	--	213 µg/kg	116 µg/kg
Aroclor 1260	58U µg/kg	162 µg/kg	--	104 µg/kg	116 µg/kg

Analyte	RB-E-218-57-221013-00-01	RB-E-218-57-BD0001	RPD	Difference	Difference CL
Total solids	74%	63.3%	16%	--	--
Aroclor 1254	2670 µg/kg	2140 µg/kg	22%	--	--
Aroclor 1260	13700 µg/kg	11600 µg/kg	17%	--	--

Analyte	SE-WP-E-F-10-11-221017-0.5-01	SE-WP-E-F-10-11-BD0001	RPD	Difference	Difference CL
TOC	51200 mg/kg	51800 mg/kg	1%	--	--
Total solids	35.4%	34.9%	1%	--	--
Aroclor 1254	5030 µg/kg	7350 µg/kg	37%	--	--
Aroclor 1260	4420 µg/kg	5990 µg/kg	30%	--	--

Analyte	SE-WP-F-G-13-14-221017-01-1.5	SE-WP-F-G-13-14-BD0001	RPD	Difference	Difference CL
TOC	34400 mg/kg	103000 mg/kg	100%	--	--
Total solids	47.2%	32.6%	37%	--	--
Aroclor 1254	82 µg/kg	100U µg/kg	--	18 µg/kg	138 µg/kg
Aroclor 1260	101 µg/kg	113 µg/kg	--	12 µg/kg	138 µg/kg

Analyte	SE-WP-A-B-5-6-221014-0.5-01	SE-WP-A-B-5-6-BD0001	RPD	Difference	Difference CL
TOC	20400 mg/kg	9480 mg/kg	73%	--	--
Total solids	52%	57.4%	10%	--	--
Aroclor 1260	26.2 µg/kg	54U µg/kg	--	27.8 µg/kg	120 µg/kg

Notes:
µg/kg: microgram per kilogram
CL: control limit
mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD54083
 - Tetrachloro-m-xylene (TMX) and/or Decachlorobiphenyl (DCB) recovered above the control limit in the analysis of samples SE-WP-E-F-9-10-221018-00-0.5 and SE-WP-F-6-7-221018-0.5-01. The detected sample results have been qualified "J" to indicate a high bias.
 - DCB recovered above the control limit in the second column analysis of sample SE-WP-E-F-9-10-BD0001. The Aroclor 1254 result has been qualified "J" to indicate a high bias.
- SDG JD54110
 - TMX and DCB recovered below 10% in the analysis of sample RB-2210191552. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the analysis of samples SE-WP-D-E-3-4-221019-00-0.5, SE-WP-D-E-4-5-221019-00-0.5, SE-WP-D-E-5-6-221019-01-1.5, SE-WP-E-F-2-3-221019-0.5-01, SE-WP-E-F-2-3-221019-00-0.5, SE-WP-E-F-2-3-221019-01-1.5, and SE-WP-E-F-2-3-221019-1.5-02. The detected sample results have been qualified "J" to indicate a high bias.
- SDG JD54112
 - TMX and/or DCB recovered above the control limit in the analysis of sample SE-WP-D-E-2-221013-00-0.5, SE-WP-D-E-2-BD0001, SE-WP-F-G-2-221013-0.5-01, and SE-WP-G-H-2-3-221013-1.5-02. The sample results have been qualified "J" to indicate a high bias.
- SDG JD54113
 - DCB recovered below 10% in the analysis of sample RB-2210131407. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the analysis of samples RB-E-213-50-221013-00-01. The detected sample results have been qualified "J" to indicate a high bias.
 - DCB or TMX recovered above the control limit in the second column analysis of samples RB-W-242-14-221013-00-01, RB-W-243-20-221013-00-01, and RB-W-245-59-221013-00-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.

- SDG JD54116
 - DCB recovered below 10% in the analysis of sample RB-2210171315. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the second column analysis of samples SE-WP-F-11-12-221017-1.5-02, SE-WP-F-G-13-14-221017-0.5-01, and SE-WP-G-18-19-221017-01-1.5. The detected sample results have been qualified "J" to indicate a high bias.
- SDG JD54118
 - TMX recovered above the control limit in the second column analysis of sample SE-WP-E-7-8-221014-00-0.5. The Aroclor 1254 result has been qualified "J" to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD54083 –
 - The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-WP-E-F-6-7-221018-0.5-01. The Aroclor 1254 result has been qualified "J" as estimated.
 - The Aroclor 1260 RPD value was above the control limit in the analysis of sample SE-WP-F-6-7-221018-01-1.5. The Aroclor 1260 result has been qualified "J" as estimated.
- SDG JD54110 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-WP-C-D-5-6-221019-0.5-01, SE-WP-D-E-2-3-221019-00-0.5, SE-WP-D-E-4-5-221019-00-0.5, SE-WP-F-G-2-3-221019-0.5-01 and SE-WP-E-F-2-3-221019-0.5-01. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD54112 – The Aroclor 1260 RPD value was above the control limit in the analysis of samples SE-WP-G-H-2-3-221013-0.5-01, SE-WP-G-H-2-3-221013-01-1.5 and SE-WP-G-H-2-3-221013-1.5-02. The Aroclor 1260 results have been qualified "J" as estimated.
- SDG JD54113 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples RB-E-217-98-221013-00-01, RB-E-218-57-221013-00-01, RB-E-223-22-221013-00-01, and RB-E-225-25-221013-00-01. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD54116 – The Aroclor 1260 RPD value was above the control limit in the analysis of sample SE-WP-F-G-13-14-221017-01-1.5. The Aroclor 1260 result has been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency. No data were qualified when the recoveries and/or the RPD values were

above the control limits and sample concentration were not detected. Recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batch OP42669
 - Aroclor 1260 recovered above the control limit in the LCS. All detected sample results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP42700
 - Aroclor 1016 and 1260 recovered below the control limit in the LCS. All sample results were qualified “UJ” to indicate a potentially low bias if they were not already rejected due to low surrogate recoveries.
- Aroclor Batch OP42685
 - Aroclor 1016 and 1260 recovered above the control limit in the LCSD. All detected sample results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP42687
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS and LCSD. All detected sample results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP42689
 - Aroclor 1260 recovered above the control limit in the LCS. All detected sample results were qualified “J” to indicate a potentially high bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentration were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD54083
 - TOC recovered above the control limit in the MS and/or MSD analyzed on samples SE-WP-E-F-9-10-221018-0.5-01, SE-WP-G-H-3-4-221018-01-1.5, and SE-WP-G-5-221018-0.5-01. Associated batch sample results have been qualified “J”.
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-WP-F-G-5-6-221018-01-1.5 and SE-142-07-E-221021-00-0.5 (reviewed in a separate validation report). Associated batch sample results have been qualified “J”.
- SDG JD54110
 - TOC recovered above the control limit in the MSD analyzed on samples SE-WP-D-E-2-3-221019-1.5-02 and SE-WP-E-F-2-3-221019-01-1.5. Associated batch sample results have been qualified “J”.

- TOC recovered below the control limit in the MS and MSD analyzed on samples SE-WP-D-E-5-6-221019-1.5-02, SE-WP-F-G-2-3-221019-0.5-01, and SE-WP-F-G-4-5-221019-00-0.5. Associated batch sample results have been qualified "J".
- SDG JD54112
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-WP-G-H-2-3-221013-01-1.5 and SE-BW5A-3-B-1-2-221012-1.5-02 (reviewed in a separate validation report). Associated batch sample results have been qualified "J".
- SDG JD54116
 - TOC recovered above the control limit in the MSD analyzed on sample SE-WP-F-G-13-14-221017-0.5-01. Associated batch sample results have been qualified "J".
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-WP-G-H-17-18-221017-01-1.5 and SE-WP-G-H-17-18-221017-1.5-02. Associated batch sample results have been qualified "J".
- SDG JD54118
 - Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample SE-WP-A-B-5-6-221014-00-0.5, and the RPD recovered above the control limit. The detected sample results have been qualified "J".
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-WP-A-B-5-6-221014-00-0.5, SE-WP-C-D-6-221014-00-0.5, and SE-BW5A-3-B-5-221012-1.5-02 (reviewed in a separate validation report). Associated batch sample results have been qualified "J".
 - TOC recovered below the control limit in the MS analyzed on sample SE-WP-D-E-6-7-221014-1.5-1.98, and the RPD recovered above the control limit. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was

acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Twenty-one results in three samples were rejected due to low/no recovery. Completeness was greater than 98%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-E-F-6-7-221018-0.5-01	Conventionals	TOC	40300 mg/kg	40300J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	353 µg/kg	353J µg/kg	Column Confirmation RPD above CL
SE-WP-E-F-6-7-221018-00-0.5	Conventionals	TOC	38800 mg/kg	38800J mg/kg	MS %R below CL
SE-WP-E-F-6-7-221018-01-1.5	Conventionals	TOC	102000 mg/kg	102000J mg/kg	MS %R below CL
SE-WP-E-F-6-7-221018-1.5-02	Conventionals	TOC	49700 mg/kg	49700J mg/kg	MS %R below CL
SE-WP-E-F-8-9-221018-0.5-01	Conventionals	TOC	37300 mg/kg	37300J mg/kg	MS %R below CL
SE-WP-E-F-8-9-221018-00-0.5	Conventionals	TOC	55100 mg/kg	55100J mg/kg	MS %R below CL
SE-WP-E-F-8-9-221018-01-1.5	Conventionals	TOC	33800 mg/kg	33800J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	1190 µg/kg	1190J µg/kg	LCS %R above CL
		Aroclor 1260	3260 µg/kg	3260J µg/kg	
SE-WP-E-F-8-9-221018-1.5-1.81	Conventionals	TOC	30800 mg/kg	30800J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	338 µg/kg	338J µg/kg	LCS %R above CL
		Aroclor 1260	473 µg/kg	473J µg/kg	
RB-2210181432	PCBs	Aroclor 1016	0.44U ug/L	0.44UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-E-F-9-10-221018-0.5-01	Conventionals	TOC	63900 mg/kg	63900J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	1350 µg/kg	1350J µg/kg	LCS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1260	3240 µg/kg	3240J µg/kg	
SE-WP-E-F-9-10-221018-00-0.5	Conventionals	TOC	76200 mg/kg	76200J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	2820 µg/kg	2820J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	5640 µg/kg	5640J µg/kg	
SE-WP-E-F-9-10-221018-01-1.5	Conventionals	TOC	71700 mg/kg	71700J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	3960 µg/kg	3960J µg/kg	LCS %R above CL
		Aroclor 1260	4050 µg/kg	4050J µg/kg	
SE-WP-E-F-9-10-221018-1.5-1.95	Conventionals	TOC	96500 mg/kg	96500J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	67.5 µg/kg	67.5J µg/kg	LCS %R above CL
SE-WP-E-F-9-10-BD0001	Conventionals	TOC	51400 mg/kg	51400J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	2610 µg/kg	2610J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	5060 µg/kg	5060J µg/kg	LCS %R above CL
SE-WP-F-6-7-221018-0.5-01	Conventionals	TOC	70700 mg/kg	70700J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	2520 µg/kg	2520J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	5510 µg/kg	5510J µg/kg	
SE-WP-F-6-7-221018-00-0.5	Conventionals	TOC	60600 mg/kg	60600J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	6090 µg/kg	6090J µg/kg	LCS %R above CL
		Aroclor 1260	10900 µg/kg	10900J µg/kg	
SE-WP-F-6-7-221018-01-1.5	Conventionals	TOC	1250 mg/kg	1250J mg/kg	MS %R above CL
	PCBs	Aroclor 1260	37.7 µg/kg	37.7J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
SE-WP-F-7-8-221018-0.5-01	Conventionals	TOC	54700 mg/kg	54700J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	1400 µg/kg	1400J µg/kg	LCS %R above CL
		Aroclor 1260	4530 µg/kg	4530J µg/kg	
SE-WP-F-7-8-221018-00-0.5	Conventionals	TOC	85800 mg/kg	85800J mg/kg	MS %R above CL
	PCBs	Aroclor 1254	2060 µg/kg	2060J µg/kg	LCS %R above CL
		Aroclor 1260	7200 µg/kg	7200J µg/kg	
SE-WP-F-7-8-221018-01-1.5	Conventionals	TOC	56600 mg/kg	56600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	7980 µg/kg	7980J µg/kg	LCS %R above CL
		Aroclor 1260	11300 µg/kg	11300J µg/kg	
SE-WP-F-7-8-221018-1.5-1.9	Conventionals	TOC	88600 mg/kg	88600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	853 µg/kg	853J µg/kg	LCS %R above CL
		Aroclor 1260	1070 µg/kg	1070J µg/kg	
SE-WP-F-G-5-6-221018-0.5-01	Conventionals	TOC	54800 mg/kg	54800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	2370 µg/kg	2370J µg/kg	LCS %R above CL
		Aroclor 1260	2250 µg/kg	2250J µg/kg	
SE-WP-F-G-5-6-221018-00-0.5	Conventionals	TOC	41000 mg/kg	41000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1400 µg/kg	1400J µg/kg	LCS %R above CL
		Aroclor 1260	4730 µg/kg	4730J µg/kg	
SE-WP-F-G-5-6-221018-01-1.5	Conventionals	TOC	1240 mg/kg	1240J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	31.2 µg/kg	31.2J µg/kg	LCS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-F-G-5-6-221018-1.5-02	Conventionals	TOC	810 mg/kg	810J mg/kg	MS/MSD %R below CL
SE-WP-G-19-20-221018-0.5-01	Conventionals	TOC	29600 mg/kg	29600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	396 µg/kg	396J µg/kg	LCS %R above CL
		Aroclor 1260	713 µg/kg	713J µg/kg	
SE-WP-G-19-20-221018-00-0.5	Conventionals	TOC	34600 mg/kg	34600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1310 µg/kg	1310J µg/kg	LCS %R above CL
		Aroclor 1260	3090 µg/kg	3090J µg/kg	
SE-WP-G-19-20-221018-01-1.45	Conventionals	TOC	34300 mg/kg	34300J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	905 µg/kg	905J µg/kg	LCSD %R above CL
		Aroclor 1260	5390 µg/kg	5390J µg/kg	
SE-WP-G-4-5-221018-0.5-01	Conventionals	TOC	65800 mg/kg	65800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	3230 µg/kg	3230J µg/kg	LCSD %R above CL
		Aroclor 1260	7470 µg/kg	7470J µg/kg	
SE-WP-G-4-5-221018-00-0.5	Conventionals	TOC	72400 mg/kg	72400J mg/kg	MS/MSD %R above CL
	PCBs	Aroclor 1254	942 µg/kg	942J µg/kg	LCSD %R above CL
		Aroclor 1260	2690 µg/kg	2690J µg/kg	
SE-WP-G-4-5-221018-01-1.5	Conventionals	TOC	248000 mg/kg	248000J mg/kg	MS/MSD %R above CL
	PCBs	Aroclor 1254	2840 µg/kg	2840J µg/kg	LCSD %R above CL
		Aroclor 1260	3650 µg/kg	3650J µg/kg	
SE-WP-G-4-5-221018-02-2.27	Conventionals	TOC	22700 mg/kg	22700J mg/kg	MS/MSD %R above CL
SE-WP-G-4-5-221018-1.5-02	Conventionals	TOC	221000 mg/kg	221000J mg/kg	MS/MSD %R above CL
RB-2210181554	PCBs	Aroclor 1016	0.33U ug/L	0.33UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-G-5-221018-0.5-01	Conventionals	TOC	44200 mg/kg	44200J mg/kg	MS/MSD %R above CL
SE-WP-G-5-221018-00-0.5	Conventionals	TOC	20600 mg/kg	20600J mg/kg	MS/MSD %R above CL
SE-WP-G-5-221018-01-1.5	Conventionals	TOC	50200 mg/kg	50200J mg/kg	MS/MSD %R above CL
SE-WP-G-5-221018-1.5-1.95	Conventionals	TOC	1720 mg/kg	1720J mg/kg	MS/MSD %R above CL
SE-WP-G-5-BD0001	Conventionals	TOC	24700 mg/kg	24700J mg/kg	MS/MSD %R above CL
SE-WP-G-H-3-4-221018-0.5-01	Conventionals	TOC	59200 mg/kg	59200J mg/kg	MS/MSD %R above CL
SE-WP-G-H-3-4-221018-00-0.5	Conventionals	TOC	48300 mg/kg	48300J mg/kg	MS/MSD %R above CL
SE-WP-G-H-3-4-221018-01-1.5	Conventionals	TOC	74100 mg/kg	74100J mg/kg	MS/MSD %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-G-H-3-4-221018-1.5-1.65	Conventionals	TOC	1500 mg/kg	1500J mg/kg	MS/MSD %R above CL
RB-2210191552	PCBs	Aroclor 1016	0.33 ug/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210191421	PCBs	Aroclor 1016	0.37U ug/L	0.37UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210191507	PCBs	Aroclor 1016	0.33U ug/L	0.33UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-C-D-5-6-221019-0.5-01	Conventionals	TOC	40500 mg/kg	40500J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	891 µg/kg	891J µg/kg	Column Confirmation RPD above CL
SE-WP-C-D-5-6-221019-00-0.5	Conventionals	TOC	72000 mg/kg	72000J mg/kg	MSD %R above CL
SE-WP-C-D-5-6-221019-01-1.5	Conventionals	TOC	75200 mg/kg	75200J mg/kg	MSD %R above CL
SE-WP-C-D-5-6-221019-02-2.28	Conventionals	TOC	75200 mg/kg	75200J mg/kg	MSD %R above CL
SE-WP-C-D-5-6-221019-1.5-02	Conventionals	TOC	75000 mg/kg	75000J mg/kg	MSD %R above CL
SE-WP-D-E-2-3-221019-0.5-01	Conventionals	TOC	79100 mg/kg	79100J mg/kg	MSD %R above CL
SE-WP-D-E-2-3-221019-00-0.5	Conventionals	TOC	134000 mg/kg	134000J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	1220 µg/kg	1220J µg/kg	Column Confirmation RPD above CL
SE-WP-D-E-2-3-221019-01-1.5	Conventionals	TOC	32800 mg/kg	32800J mg/kg	MSD %R above CL
SE-WP-D-E-2-3-221019-02-2.5	Conventionals	TOC	2070 mg/kg	2070J mg/kg	MSD %R above CL
SE-WP-D-E-2-3-221019-1.5-02	Conventionals	TOC	1740 mg/kg	1740J mg/kg	MSD %R above CL
SE-WP-D-E-3-4-221019-00-0.5	PCBs	Aroclor 1254	2570 µg/kg	2570J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	6440 µg/kg	6440J µg/kg	
SE-WP-D-E-3-4-221019-01-1.5	PCBs	Aroclor 1254	944 µg/kg	944J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	1080 µg/kg	1080J µg/kg	
SE-WP-D-E-4-5-221019-0.5-01	PCBs	Aroclor 1254	5570 µg/kg	5570J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	11400 µg/kg	11400J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-D-E-4-5-221019-00-0.5	PCBs	Aroclor 1254	1280 µg/kg	1280J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL; Column Confirmation
		Aroclor 1260	7220 µg/kg	7220J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
SE-WP-D-E-4-5-221019-01-1.5	PCBs	Aroclor 1254	726 µg/kg	726J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	835 µg/kg	835J µg/kg	
SE-WP-D-E-4-5-221019-1.5-02	PCBs	Aroclor 1260	71.0 µg/kg	71.0J µg/kg	LCS/LCSD %R above CL
SE-WP-D-E-5-6-221019-0.5-01	PCBs	Aroclor 1254	2160 µg/kg	2160J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	7700 µg/kg	7700J µg/kg	
SE-WP-D-E-5-6-221019-00-0.5	PCBs	Aroclor 1254	1040 µg/kg	1040J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	4230 µg/kg	4230J µg/kg	
SE-WP-D-E-5-6-221019-01-1.5	Conventionals	TOC	42500 mg/kg	42500J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	7040 µg/kg	7040J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
SE-WP-D-E-5-6-221019-02-2.47	Conventionals	TOC	70500 mg/kg	70500J mg/kg	MS/MSD %R below CL
SE-WP-D-E-5-6-221019-1.5-02	Conventionals	TOC	64100 mg/kg	64100J mg/kg	MS/MSD %R below CL
SE-WP-D-E-5-6-BD0001	Conventionals	TOC	89600 mg/kg	89600J mg/kg	MS/MSD %R below CL
SE-WP-E-F-2-3-221019-0.5-01	Conventionals	TOC	11400 mg/kg	11400J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1550 µg/kg	1550J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL; Column Confirmation
		Aroclor 1260	1060 µg/kg	1060J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
SE-WP-E-F-2-3-221019-00-0.5	Conventionals	TOC	85700 mg/kg	85700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1260 µg/kg	1260J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	2290 µg/kg	2290J µg/kg	
SE-WP-E-F-2-3-221019-01-1.5	Conventionals	TOC	18700 mg/kg	18700J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	949 µg/kg	949J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	1790 µg/kg	1790J µg/kg	
SE-WP-E-F-2-3-221019-02-2.5	Conventionals	TOC	157000 mg/kg	157000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	698 µg/kg	698J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	452 µg/kg	452J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-E-F-2-3-221019-1.5-02	Conventionals	TOC	109000 mg/kg	109000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	6770 µg/kg	6770J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	3660 µg/kg	3660J µg/kg	FD RPD above CL; LCS/LCSD %R above CL; Surrogate %R above CL
SE-WP-E-F-2-3-BD0001	Conventionals	TOC	79900 mg/kg	79900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	10200 µg/kg	10200J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	14300 µg/kg	14300J µg/kg	FD RPD above CL; LCS/LCSD %R above CL
SE-WP-E-F-3-4-221019-0.5-01	Conventionals	TOC	22900 mg/kg	22900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1220 µg/kg	1220J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	2800 µg/kg	2800J µg/kg	
SE-WP-E-F-3-4-221019-00-0.5	Conventionals	TOC	62100 mg/kg	62100J mg/kg	MSD %R above CL
SE-WP-E-F-3-4-221019-01-1.5	Conventionals	TOC	175000 mg/kg	175000J mg/kg	MSD %R above CL
SE-WP-E-F-3-4-221019-1.5-02	Conventionals	TOC	364000 mg/kg	364000J mg/kg	MSD %R above CL
SE-WP-E-F-4-5-221019-0.5-01	Conventionals	TOC	89400 mg/kg	89400J mg/kg	MSD %R above CL
SE-WP-E-F-4-5-221019-00-0.5	Conventionals	TOC	106000 mg/kg	106000J mg/kg	MSD %R above CL
SE-WP-E-F-4-5-221019-01-1.5	Conventionals	TOC	138000 mg/kg	138000J mg/kg	MSD %R above CL
SE-WP-E-F-4-5-221019-1.5-1.9	Conventionals	TOC	15800 mg/kg	15800J mg/kg	MSD %R above CL
SE-WP-E-F-5-6-221019-0.5-01	Conventionals	TOC	44800 mg/kg	44800J mg/kg	MSD %R above CL
SE-WP-E-F-5-6-221019-00-0.5	Conventionals	TOC	53200 mg/kg	53200J mg/kg	MSD %R above CL
SE-WP-E-F-5-6-221019-01-1.5	Conventionals	TOC	52100 mg/kg	52100J mg/kg	MS/MSD %R below CL
SE-WP-E-F-5-6-221019-02-2.45	Conventionals	TOC	137000 mg/kg	137000J mg/kg	MS/MSD %R below CL
SE-WP-E-F-5-6-221019-1.5-02	Conventionals	TOC	67900 mg/kg	67900J mg/kg	MS/MSD %R below CL
SE-WP-F-G-2-3-221019-0.5-01	Conventionals	TOC	19000 mg/kg	19000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1040 µg/kg	1040J µg/kg	Column Confirmation RPD above CL
SE-WP-F-G-2-3-221019-00-0.5	Conventionals	TOC	2100 mg/kg	2100J mg/kg	MS/MSD %R below CL
SE-WP-F-G-2-3-221019-01-1.5	Conventionals	TOC	223000 mg/kg	223000J mg/kg	MS/MSD %R below CL
SE-WP-F-G-3-4-221019-0.5-01	Conventionals	TOC	33000 mg/kg	33000J mg/kg	MS/MSD %R below CL
SE-WP-F-G-3-4-221019-00-0.5	Conventionals	TOC	62100 mg/kg	62100J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-F-G-3-4-221019-01-1.5	Conventionals	TOC	68000 mg/kg	68000J mg/kg	MS/MSD %R below CL
SE-WP-F-G-3-4-221019-1.5-1.98	Conventionals	TOC	23100 mg/kg	23100J mg/kg	MS/MSD %R below CL
SE-WP-F-G-4-5-221019-0.5-01	Conventionals	TOC	57600 mg/kg	57600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	2020 µg/kg	2020J µg/kg	FD RPD above CL
		Aroclor 1260	3840 µg/kg	3840J µg/kg	
SE-WP-F-G-4-5-221019-00-0.5	Conventionals	TOC	45800 mg/kg	45800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1920 µg/kg	1920J µg/kg	LCS %R above CL
		Aroclor 1260	5290 µg/kg	5290J µg/kg	
SE-WP-F-G-4-5-221019-01-1.5	Conventionals	TOC	188000 mg/kg	188000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	188 µg/kg	188J µg/kg	LCS %R above CL
SE-WP-F-G-4-5-221019-1.5-1.98	Conventionals	TOC	212000 mg/kg	212000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	139 µg/kg	139J µg/kg	LCS %R above CL
SE-WP-F-G-4-5-BD0001	Conventionals	TOC	51400 mg/kg	51400J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	968 µg/kg	968J µg/kg	FD RPD above CL;
		Aroclor 1260	1880 µg/kg	1880J µg/kg	LCS %R above CL
SE-WP-C-D-2-3-221013-0.5-01	Conventionals	TOC	673 mg/kg	673J mg/kg	MS/MSD %R below CL
SE-WP-C-D-2-3-221013-00-0.5	Conventionals	TOC	25500 mg/kg	25500J mg/kg	MS/MSD %R below CL
SE-WP-C-D-2-3-221013-01-1.3	Conventionals	TOC	711 mg/kg	711J mg/kg	MS/MSD %R below CL
RB-2210131420	PCBs	Aroclor 1016	0.34U ug/L	0.34UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-D-E-2-221013-0.5-01	Conventionals	TOC	37900 mg/kg	37900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	58 µg/kg	58UJ µg/kg	FD RPD above CL
SE-WP-D-E-2-221013-00-0.5	PCBs	Aroclor 1254	351 µg/kg	351J µg/kg	Surrogate %R above CL
		Aroclor 1260	755 µg/kg	755J µg/kg	
SE-WP-D-E-2-BD0001	PCBs	Aroclor 1254	271 µg/kg	271J µg/kg	FD RPD above CL; Surrogate %R above CL
		Aroclor 1260	162 µg/kg	162J µg/kg	Surrogate %R above CL
SE-WP-F-G-2-221013-0.5-01	PCBs	Aroclor 1254	643 µg/kg	643J µg/kg	Surrogate %R above CL
		Aroclor 1260	256 µg/kg	256J µg/kg	
SE-WP-F-G-2-221013-00-0.5	Conventionals	TOC	84500 mg/kg	84500J mg/kg	MS/MSD %R below CL
SE-WP-G-H-2-3-221013-0.5-01	Conventionals	TOC	13200 mg/kg	13200J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	1190 µg/kg	1190J µg/kg	Column Confirmation RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-G-H-2-3-221013-00-0.5	Conventionals	TOC	52400 mg/kg	52400J mg/kg	MS/MSD %R below CL
SE-WP-G-H-2-3-221013-01-1.5	Conventionals	TOC	14000 mg/kg	14000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	320 µg/kg	320J µg/kg	Column Confirmation RPD above CL
SE-WP-G-H-2-3-221013-1.5-02	Conventionals	TOC	1700 mg/kg	1700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	63.5 µg/kg	63.5J µg/kg	Surrogate %R above CL
		Aroclor 1260	119 µg/kg	119J µg/kg	Surrogate %R above CL; Column Confirmation RPD above CL
RB-2210131407	PCBs	Aroclor 1016	0.18 ug/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-E-213-50-221013-00-01	PCBs	Aroclor 1254	2150 µg/kg	2150J µg/kg	Surrogate %R above CL
		Aroclor 1260	10200 µg/kg	10200J µg/kg	
RB-E-217-98-221013-00-01	PCBs	Aroclor 1254	1450 µg/kg	1450J µg/kg	Column Confirmation RPD above CL
RB-E-218-57-221013-00-01	PCBs	Aroclor 1254	2670 µg/kg	2670J µg/kg	Column Confirmation RPD above CL
RB-E-223-22-221013-00-01	PCBs	Aroclor 1254	1620 µg/kg	1620J µg/kg	Column Confirmation RPD above CL
RB-E-225-25-221013-00-01	PCBs	Aroclor 1254	429 µg/kg	429J µg/kg	Column Confirmation RPD above CL
RB-W-242-14-221013-00-01	PCBs	Aroclor 1254	3560 µg/kg	3560J µg/kg	Surrogate %R above CL
RB-W-243-20-221013-00-01	PCBs	Aroclor 1254	1800 µg/kg	1800J µg/kg	Surrogate %R above CL
RB-W-245-59-221013-00-01	PCBs	Aroclor 1254	190 µg/kg	190J µg/kg	Surrogate %R above CL
RB-2210171315	PCBs	Aroclor 1016	0.34 ug/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2210171346	PCBs	Aroclor 1016	0.34 ug/L	0.34UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-E-9-221017-0.5-01	Conventionals	TOC	60000 mg/kg	60000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-WP-E-9-221017-00-0.5	Conventionals	TOC	48800 mg/kg	48800J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-WP-E-9-221017-01-1.5	Conventionals	TOC	99900 mg/kg	99900J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-WP-F-11-12-221017-1.5-02	PCBs	Aroclor 1254	3390 µg/kg	3390J µg/kg	Surrogate %R above CL
		Aroclor 1260	4110 µg/kg	4110J µg/kg	
SE-WP-F-12-13-221017-00-0.5	Conventionals	TOC	56000 mg/kg	56000J mg/kg	MSD %R above CL
SE-WP-F-12-13-221017-01-1.5	Conventionals	TOC	48500 mg/kg	48500J mg/kg	MSD %R above CL
SE-WP-F-12-13-221017-02-2.3	Conventionals	TOC	99400 mg/kg	99400J mg/kg	MSD %R above CL
SE-WP-F-12-13-221017-1.5-02	Conventionals	TOC	105000 mg/kg	105000J mg/kg	MSD %R above CL
SE-WP-F-G-13-14-221017-0.5-01	Conventionals	TOC	67600 mg/kg	67600J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	683 µg/kg	683J µg/kg	Surrogate %R above CL
		Aroclor 1260	2600 µg/kg	2600J µg/kg	
SE-WP-F-G-13-14-221017-00-0.5	Conventionals	TOC	14500 mg/kg	14500J mg/kg	MSD %R above CL
SE-WP-F-G-13-14-221017-01-1.5	Conventionals	TOC	34400 mg/kg	34400J mg/kg	FD RPD above CL; MSD %R above CL
	PCBs	Aroclor 1260	101 µg/kg	101J µg/kg	Column Confirmation RPD above CL
SE-WP-F-G-13-14-BD0001	Conventionals	TOC	103000 mg/kg	103000J mg/kg	FD RPD above CL; MSD %R above CL
SE-WP-G-15-16-221017-0.5-0.86	Conventionals	TOC	16100 mg/kg	16100J mg/kg	MSD %R above CL
SE-WP-G-15-16-221017-00-0.5	Conventionals	TOC	62900 mg/kg	62900J mg/kg	MSD %R above CL
SE-WP-G-16-17-221017-0.5-01	Conventionals	TOC	74100 mg/kg	74100J mg/kg	MSD %R below CL
SE-WP-G-16-17-221017-00-0.5	Conventionals	TOC	67500 mg/kg	67500J mg/kg	MSD %R below CL
SE-WP-G-18-19-221017-0.5-01	Conventionals	TOC	38600 mg/kg	38600J mg/kg	MSD %R below CL
SE-WP-G-18-19-221017-00-0.5	Conventionals	TOC	82900 mg/kg	82900J mg/kg	MSD %R below CL
SE-WP-G-18-19-221017-01-1.5	Conventionals	TOC	33300 mg/kg	33300J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	785 µg/kg	785J µg/kg	Surrogate %R above CL
		Aroclor 1260	3730 µg/kg	3730J µg/kg	
SE-WP-G-18-19-221017-02-2.48	Conventionals	TOC	7850 mg/kg	7850J mg/kg	MSD %R below CL
SE-WP-G-18-19-221017-1.5-02	Conventionals	TOC	47500 mg/kg	47500J mg/kg	MSD %R below CL
SE-WP-G-H-17-18-221017-0.5-01	Conventionals	TOC	42500 mg/kg	42500J mg/kg	MSD %R below CL
SE-WP-G-H-17-18-221017-00-0.5	Conventionals	TOC	72200 mg/kg	72200J mg/kg	MSD %R below CL
SE-WP-G-H-17-18-221017-01-1.5	Conventionals	TOC	26200 mg/kg	26200J mg/kg	MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-WP-G-H-17-18-221017-02-2.5	Conventionals	TOC	2100 mg/kg	2100J mg/kg	MS %R below CL
SE-WP-G-H-17-18-221017-1.5-02	Conventionals	TOC	17200 mg/kg	17200J mg/kg	MS %R below CL
RB-2210141455	PCBs	Aroclor 1016	0.36U ug/L	0.36UJ ug/L	LCS %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-WP-A-B-4-5-221014-0.5-01	Conventionals	TOC	111000 mg/kg	111000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-A-B-4-5-221014-00-0.5	Conventionals	TOC	19800 mg/kg	19800J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-A-B-4-5-221014-01-1.15	Conventionals	TOC	15900 mg/kg	15900J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-A-B-5-6-221014-0.5-01	Conventionals	TOC	20400 mg/kg	20400J mg/kg	MS/MSD %R below CL; FD RPD above CL; Holding Times
SE-WP-A-B-5-6-221014-00-0.5	Conventionals	TOC	79800 mg/kg	79800J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	234 µg/kg	234J µg/kg	MS/MSD RPD above CL; MS/MSD %R above CL
		Aroclor 1260	338 µg/kg	338J µg/kg	
SE-WP-A-B-5-6-BD0001	Conventionals	TOC	9480 mg/kg	9480J mg/kg	MS/MSD %R below CL; FD RPD above CL; Holding Times
SE-WP-B-C-3-4-221014-0.5-01	Conventionals	TOC	41300 mg/kg	41300J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-3-4-221014-00-0.5	Conventionals	TOC	15300 mg/kg	15300J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-0.5-01	Conventionals	TOC	167000 mg/kg	167000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-00-0.5	Conventionals	TOC	40200 mg/kg	40200J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-01-1.5	Conventionals	TOC	133000 mg/kg	133000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-02-2.31	Conventionals	TOC	44700 mg/kg	44700J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-B-C-6-221014-1.5-02	Conventionals	TOC	78400 mg/kg	78400J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-C-D-6-221014-0.5-01	Conventionals	TOC	104000 mg/kg	104000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-C-D-6-221014-00-0.5	Conventionals	TOC	23000 mg/kg	23000J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	148 µg/kg	148J µg/kg	LCSD %R above CL
SE-WP-C-D-6-221014-01-1.5	Conventionals	TOC	239000 mg/kg	239000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-C-D-6-221014-02-2.5	Conventionals	TOC	43900 mg/kg	43900J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-C-D-6-221014-1.5-02	Conventionals	TOC	233000 mg/kg	233000J mg/kg	MS/MSD %R below CL; Holding Times
SE-WP-D-E-6-7-221014-0.5-01	Conventionals	TOC	56500 mg/kg	56500J mg/kg	MS/MSD %R below CL; Holding Times

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
	PCBs	Aroclor 1260	67.9 µg/kg	67.9J µg/kg	LCSD %R above CL
SE-WP-D-E-6-7-221014-00-0.5	Conventionals	TOC	80000 mg/kg	80000J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	3250 µg/kg	3250J µg/kg	LCSD %R above CL
		Aroclor 1260	11200 µg/kg	11200J µg/kg	
SE-WP-D-E-6-7-221014-01-1.5	Conventionals	TOC	6410 mg/kg	6410J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1260	31.5 µg/kg	31.5J µg/kg	LCSD %R above CL
SE-WP-D-E-6-7-221014-1.5-1.98	Conventionals	TOC	10100 mg/kg	10100J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-WP-E-7-8-221014-0.5-01	Conventionals	TOC	263000 mg/kg	263000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	234 µg/kg	234J µg/kg	LCSD %R above CL
		Aroclor 1260	402 µg/kg	402J µg/kg	
SE-WP-E-7-8-221014-00-0.5	Conventionals	TOC	145000 mg/kg	145000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	1410 µg/kg	1410J µg/kg	LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	4010 µg/kg	4010J µg/kg	LCSD %R above CL
SE-WP-E-8-9-221014-0.5-01	Conventionals	TOC	15900 mg/kg	15900J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	76.5 µg/kg	76.5J µg/kg	LCSD %R above CL
		Aroclor 1260	456 µg/kg	456J µg/kg	
SE-WP-E-8-9-221014-00-0.5	Conventionals	TOC	16000 mg/kg	16000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1260	57.4 µg/kg	57.4J µg/kg	LCSD %R above CL
SE-WP-E-8-9-221014-01-1.5	Conventionals	TOC	7030 mg/kg	7030J mg/kg	MS/MSD RPD above CL; MSD %R below CL

Notes:
%R: percent recovery
CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-E-F-6-7-221018-0.5-01	JD54083-1	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-6-7-221018-00-0.5	JD54083-2	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-6-7-221018-01-1.5	JD54083-3	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-6-7-221018-1.5-02	JD54083-4	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-8-9-221018-0.5-01	JD54083-5	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-8-9-221018-00-0.5	JD54083-6	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-8-9-221018-01-1.5	JD54083-7	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-8-9-221018-1.5-1.81	JD54083-8	JD54083	Sediment	PCBs, TOC, TS
RB-2210181432	JD54083-9	JD54083	Water	PCBs, TOC
SE-WP-E-F-9-10-221018-0.5-01	JD54083-10	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-9-10-221018-00-0.5	JD54083-11	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-9-10-221018-01-1.5	JD54083-12	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-9-10-221018-1.5-1.95	JD54083-13	JD54083	Sediment	PCBs, TOC, TS
SE-WP-E-F-9-10-BD0001	JD54083-14	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-6-7-221018-0.5-01	JD54083-15	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-6-7-221018-00-0.5	JD54083-16	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-6-7-221018-01-1.5	JD54083-17	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-7-8-221018-0.5-01	JD54083-18	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-7-8-221018-00-0.5	JD54083-19	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-7-8-221018-01-1.5	JD54083-20	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-7-8-221018-1.5-1.9	JD54083-21	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-G-5-6-221018-0.5-01	JD54083-22	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-G-5-6-221018-00-0.5	JD54083-23	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-G-5-6-221018-01-1.5	JD54083-24	JD54083	Sediment	PCBs, TOC, TS
SE-WP-F-G-5-6-221018-1.5-02	JD54083-25	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-19-20-221018-0.5-01	JD54083-26	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-19-20-221018-00-0.5	JD54083-27	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-19-20-221018-01-1.45	JD54083-28	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-0.5-01	JD54083-29	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-00-0.5	JD54083-30	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-01-1.5	JD54083-31	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-02-2.27	JD54083-32	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-4-5-221018-1.5-02	JD54083-33	JD54083	Sediment	PCBs, TOC, TS
RB-2210181554	JD54083-34	JD54083	Water	PCBs, TOC
SE-WP-G-5-221018-0.5-01	JD54083-35	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-5-221018-00-0.5	JD54083-36	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-5-221018-01-1.5	JD54083-37	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-5-221018-1.5-1.95	JD54083-38	JD54083	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-G-5-BD0001	JD54083-39	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-H-3-4-221018-0.5-01	JD54083-40	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-H-3-4-221018-00-0.5	JD54083-41	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-H-3-4-221018-01-1.5	JD54083-42	JD54083	Sediment	PCBs, TOC, TS
SE-WP-G-H-3-4-221018-1.5-1.65	JD54083-43	JD54083	Sediment	PCBs, TOC, TS
RB-2210191421	JD54110-53	JD54110	Water	PCBs, TOC
RB-2210191507	JD54110-26	JD54110	Water	PCBs, TOC
RB-2210191552	JD54110-19	JD54110	Water	PCBs, TOC
SE-WP-C-D-5-6-221019-0.5-01	JD54110-1	JD54110	Sediment	PCBs, TOC, TS
SE-WP-C-D-5-6-221019-00-0.5	JD54110-2	JD54110	Sediment	PCBs, TOC, TS
SE-WP-C-D-5-6-221019-01-1.5	JD54110-3	JD54110	Sediment	PCBs, TOC, TS
SE-WP-C-D-5-6-221019-02-2.28	JD54110-4	JD54110	Sediment	PCBs, TOC, TS
SE-WP-C-D-5-6-221019-1.5-02	JD54110-5	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-0.5-01	JD54110-6	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-00-0.5	JD54110-7	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-01-1.5	JD54110-8	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-02-2.5	JD54110-9	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-3-221019-1.5-02	JD54110-10	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-3-4-221019-0.5-01	JD54110-11	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-3-4-221019-00-0.5	JD54110-12	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-3-4-221019-01-1.5	JD54110-13	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-3-4-221019-1.5-02	JD54110-14	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-4-5-221019-0.5-01	JD54110-15	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-4-5-221019-00-0.5	JD54110-16	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-4-5-221019-01-1.5	JD54110-17	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-4-5-221019-1.5-02	JD54110-18	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-0.5-01	JD54110-20	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-00-0.5	JD54110-21	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-01-1.5	JD54110-22	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-02-2.47	JD54110-23	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-221019-1.5-02	JD54110-24	JD54110	Sediment	PCBs, TOC, TS
SE-WP-D-E-5-6-BD0001	JD54110-25	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-0.5-01	JD54110-27	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-00-0.5	JD54110-28	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-01-1.5	JD54110-29	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-02-2.5	JD54110-30	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-221019-1.5-02	JD54110-31	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-3-BD0001	JD54110-32	JD54110	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-E-F-3-4-221019-0.5-01	JD54110-33	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-3-4-221019-00-0.5	JD54110-34	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-3-4-221019-01-1.5	JD54110-35	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-3-4-221019-1.5-02	JD54110-36	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-4-5-221019-0.5-01	JD54110-37	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-4-5-221019-00-0.5	JD54110-38	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-4-5-221019-01-1.5	JD54110-39	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-4-5-221019-1.5-1.9	JD54110-40	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-0.5-01	JD54110-41	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-00-0.5	JD54110-42	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-01-1.5	JD54110-43	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-02-2.45	JD54110-44	JD54110	Sediment	PCBs, TOC, TS
SE-WP-E-F-5-6-221019-1.5-02	JD54110-45	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-3-221019-0.5-01	JD54110-46	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-3-221019-00-0.5	JD54110-47	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-3-221019-01-1.5	JD54110-48	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-3-4-221019-0.5-01	JD54110-49	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-3-4-221019-00-0.5	JD54110-50	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-3-4-221019-01-1.5	JD54110-51	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-3-4-221019-1.5-1.98	JD54110-52	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-221019-0.5-01	JD54110-54	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-221019-00-0.5	JD54110-55	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-221019-01-1.5	JD54110-56	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-221019-1.5-1.98	JD54110-57	JD54110	Sediment	PCBs, TOC, TS
SE-WP-F-G-4-5-BD0001	JD54110-58	JD54110	Sediment	PCBs, TOC, TS
RB-2210131420	JD54112-4	JD54112	Water	PCBs, TOC
SE-WP-C-D-2-3-221013-0.5-01	JD54112-1	JD54112	Sediment	PCBs, TOC, TS
SE-WP-C-D-2-3-221013-00-0.5	JD54112-2	JD54112	Sediment	PCBs, TOC, TS
SE-WP-C-D-2-3-221013-01-1.3	JD54112-3	JD54112	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-221013-0.5-01	JD54112-5	JD54112	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-221013-00-0.5	JD54112-6	JD54112	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-221013-01-1.5	JD54112-7	JD54112	Sediment	PCBs, TOC, TS
SE-WP-D-E-2-BD0001	JD54112-8	JD54112	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-221013-0.5-01	JD54112-9	JD54112	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-221013-00-0.5	JD54112-10	JD54112	Sediment	PCBs, TOC, TS
SE-WP-E-F-2-221013-01-1.25	JD54112-11	JD54112	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-221013-0.5-01	JD54112-12	JD54112	Sediment	PCBs, TOC, TS
SE-WP-F-G-2-221013-00-0.5	JD54112-13	JD54112	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-G-H-2-3-221013-0.5-01	JD54112-14	JD54112	Sediment	PCBs, TOC, TS
SE-WP-G-H-2-3-221013-00-0.5	JD54112-15	JD54112	Sediment	PCBs, TOC, TS
SE-WP-G-H-2-3-221013-01-1.5	JD54112-16	JD54112	Sediment	PCBs, TOC, TS
SE-WP-G-H-2-3-221013-1.5-02	JD54112-17	JD54112	Sediment	PCBs, TOC, TS
RB-E-212-99-221013-00-01	JD54113-1	JD54113	Soil	PCBs, TS
RB-E-213-50-221013-00-01	JD54113-2	JD54113	Soil	PCBs, TS
RB-E-214-02-221013-00-01	JD54113-3	JD54113	Soil	PCBs, TS
RB-E-214-48-221013-00-01	JD54113-4	JD54113	Soil	PCBs, TS
RB-E-214-98-221013-00-01	JD54113-5	JD54113	Soil	PCBs, TS, GS, MC
RB-E-215-47-221013-00-01	JD54113-6	JD54113	Soil	PCBs, TS
RB-E-216-02-221013-00-01	JD54113-7	JD54113	Soil	PCBs, TS
RB-E-216-78-221013-00-01	JD54113-8	JD54113	Soil	PCBs, TS
RB-E-217-36-221013-00-01	JD54113-9	JD54113	Soil	PCBs, TS
RB-E-217-98-221013-00-01	JD54113-10	JD54113	Soil	PCBs, TS
RB-E-218-57-221013-00-01	JD54113-11	JD54113	Soil	PCBs, TS
RB-E-218-57-BD0001	JD54113-12	JD54113	Soil	PCBs, TS
RB-E-219-29-221013-00-01	JD54113-13	JD54113	Soil	PCBs, TS
RB-E-219-83-221013-00-01	JD54113-14	JD54113	Soil	PCBs, TS
RB-E-220-29-221013-00-01	JD54113-15	JD54113	Soil	PCBs, TS
RB-E-220-77-221013-00-01	JD54113-16	JD54113	Soil	PCBs, TS
RB-E-221-31-221013-00-01	JD54113-17	JD54113	Soil	PCBs, TS
RB-E-221-80-221013-00-01	JD54113-18	JD54113	Soil	PCBs, TS
RB-E-222-46-221013-00-01	JD54113-19	JD54113	Soil	PCBs, TS
RB-E-223-22-221013-00-01	JD54113-20	JD54113	Soil	PCBs, TS, GS, MC
RB-E-224-14-221013-00-01	JD54113-21	JD54113	Soil	PCBs, TS
RB-E-224-77-221013-00-01	JD54113-22	JD54113	Soil	PCBs, TS
RB-E-225-25-221013-00-01	JD54113-23	JD54113	Soil	PCBs, TS
RB-E-225-68-221013-00-01	JD54113-24	JD54113	Soil	PCBs, TS
RB-E-226-14-221013-00-01	JD54113-25	JD54113	Soil	PCBs, TS
RB-E-226-56-221013-00-01	JD54113-26	JD54113	Soil	PCBs, TS
RB-W-242-14-221013-00-01	JD54113-27	JD54113	Soil	PCBs, TS
RB-W-242-63-221013-00-01	JD54113-28	JD54113	Soil	PCBs, TS
RB-W-243-20-221013-00-01	JD54113-29	JD54113	Soil	PCBs, TS, GS, MC
RB-W-243-90-221013-00-01	JD54113-30	JD54113	Soil	PCBs, TS
RB-2210131407	JD54113-31	JD54113	Water	PCBs
RB-W-244-18-221013-00-01	JD54113-32	JD54113	Soil	PCBs, TS
RB-W-244-90-221013-00-01	JD54113-33	JD54113	Soil	PCBs, TS
RB-W-245-18-221013-00-01	JD54113-34	JD54113	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-245-59-221013-00-01	JD54113-35	JD54113	Soil	PCBs, TS
RB-W-246-04-221013-00-01	JD54113-36	JD54113	Soil	PCBs, TS
SE-WP-E-9-221017-0.5-01	JD54116-1	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-9-221017-00-0.5	JD54116-2	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-9-221017-01-1.5	JD54116-3	JD54116	Sediment	PCBs, TOC, TS
RB-2210171315	JD54116-4	JD54116	Water	PCBs, TOC
SE-WP-E-F-10-11-221017-0.5-01	JD54116-5	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-F-10-11-221017-00-0.5	JD54116-6	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-F-10-11-221017-01-1.48	JD54116-7	JD54116	Sediment	PCBs, TOC, TS
SE-WP-E-F-10-11-BD0001	JD54116-8	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-0.5-01	JD54116-9	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-00-0.5	JD54116-10	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-01-1.5	JD54116-11	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-02-2.31	JD54116-12	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-11-12-221017-1.5-02	JD54116-13	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-0.5-01	JD54116-14	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-00-0.5	JD54116-15	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-01-1.5	JD54116-16	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-02-2.3	JD54116-17	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-12-13-221017-1.5-02	JD54116-18	JD54116	Sediment	PCBs, TOC, TS
RB-2210171346	JD54116-19	JD54116	Water	PCBs, TOC
SE-WP-F-G-13-14-221017-0.5-01	JD54116-20	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-G-13-14-221017-00-0.5	JD54116-21	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-G-13-14-221017-01-1.5	JD54116-22	JD54116	Sediment	PCBs, TOC, TS
SE-WP-F-G-13-14-BD0001	JD54116-23	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-15-16-221017-0.5-0.86	JD54116-24	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-15-16-221017-00-0.5	JD54116-25	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-16-17-221017-0.5-01	JD54116-26	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-16-17-221017-00-0.5	JD54116-27	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-0.5-01	JD54116-28	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-00-0.5	JD54116-29	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-01-1.5	JD54116-30	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-02-2.48	JD54116-31	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-18-19-221017-1.5-02	JD54116-32	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-H-17-18-221017-0.5-01	JD54116-33	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-H-17-18-221017-00-0.5	JD54116-34	JD54116	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-WP-G-H-17-18-221017-01-1.5	JD54116-35	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-H-17-18-221017-02-2.5	JD54116-36	JD54116	Sediment	PCBs, TOC, TS
SE-WP-G-H-17-18-221017-1.5-02	JD54116-37	JD54116	Sediment	PCBs, TOC, TS
SE-WP-A-B-4-5-221014-0.5-01	JD54118-1	JD54118	Sediment	PCBs, TOC, TS
SE-WP-A-B-4-5-221014-00-0.5	JD54118-2	JD54118	Sediment	PCBs, TOC, TS
SE-WP-A-B-4-5-221014-01-1.15	JD54118-3	JD54118	Sediment	PCBs, TOC, TS
RB-2210141455	JD54118-4	JD54118	Water	PCBs, TOC
SE-WP-A-B-5-6-221014-0.5-01	JD54118-5	JD54118	Sediment	PCBs, TOC, TS
SE-WP-A-B-5-6-221014-00-0.5	JD54118-6	JD54118	Sediment	PCBs, TOC, TS
SE-WP-A-B-5-6-BD0001	JD54118-7	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-3-4-221014-0.5-01	JD54118-8	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-3-4-221014-00-0.5	JD54118-9	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-0.5-01	JD54118-10	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-00-0.5	JD54118-11	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-01-1.5	JD54118-12	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-02-2.31	JD54118-13	JD54118	Sediment	PCBs, TOC, TS
SE-WP-B-C-6-221014-1.5-02	JD54118-14	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-0.5-01	JD54118-15	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-00-0.5	JD54118-16	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-01-1.5	JD54118-17	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-02-2.5	JD54118-18	JD54118	Sediment	PCBs, TOC, TS
SE-WP-C-D-6-221014-1.5-02	JD54118-19	JD54118	Sediment	PCBs, TOC, TS
SE-WP-D-E-6-7-221014-0.5-01	JD54118-20	JD54118	Sediment	PCBs, TOC, TS
SE-WP-D-E-6-7-221014-00-0.5	JD54118-21	JD54118	Sediment	PCBs, TOC, TS
SE-WP-D-E-6-7-221014-01-1.5	JD54118-22	JD54118	Sediment	PCBs, TOC, TS
SE-WP-D-E-6-7-221014-1.5-1.98	JD54118-23	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-7-8-221014-0.5-01	JD54118-24	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-7-8-221014-00-0.5	JD54118-25	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-8-9-221014-0.5-01	JD54118-26	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-8-9-221014-00-0.5	JD54118-27	JD54118	Sediment	PCBs, TOC, TS
SE-WP-E-8-9-221014-01-1.5	JD54118-28	JD54118	Sediment	PCBs, TOC, TS

Data Validation Report – EPA Stage 2A

May 18, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0079

This report summarizes the review of analytical results for 119 soil samples, 87 sediment samples, 10 field duplicate samples, and 11 equipment rinsate blanks collected in October and November 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Specific gravity (SG) by ASTM D1429
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Eleven equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and five were analyzed for TOC. All results were below detection.

Field Duplicates

Ten field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Results that were less than five times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-BW5A-5-B-3- 221025-1.5-02	SE-BW5A-5-B-3- BD0001	RPD	Difference	Difference CL
TOC	4220 mg/kg	7240 mg/kg	53%	--	--
Total solids	73.2%	75.5%	3%	--	--
Aroclor 1254	1060 µg/kg	1080 µg/kg	2%	--	--
Aroclor 1260	8190 µg/kg	8220 µg/kg	0%	--	--

Analyte	SE-BW5A-5-B-C-4-5-221025-2.5-03	SE-BW5A-5-B-C-4-5-BD0001	RPD	Difference	Difference CL
TOC	11600 mg/kg	15200 mg/kg	27%	--	--
Total solids	68.8%	67%	3%	--	--
Aroclor 1254	99.4 µg/kg	32.8J µg/kg	--	66.6 µg/kg	94 µg/kg
Aroclor 1260	139 µg/kg	50 µg/kg	--	89 µg/kg	94 µg/kg

Analyte	SE-147-09-E-221026-1.5-02	SE-147-09-E-BD0001	RPD	Difference	Difference CL
TOC	1940 mg/kg	1310 mg/kg	39%	--	--
Total solids	79%	74.4%	6%	--	--
Aroclor 1254	293 µg/kg	503 µg/kg	53%	--	--
Aroclor 1260	2660 µg/kg	3460 µg/kg	26%	--	--

Analyte	RB-E-192-07-221026-00-01	RB-E-192-07-BD0001	RPD	Difference	Difference CL
Total solids	85.3%	89.1%	4%	--	--
Aroclor 1254	1460 µg/kg	1960 µg/kg	29%	--	--
Aroclor 1260	11800 µg/kg	11800 µg/kg	0%	--	--

Analyte	RB-E-206-65-221026-00-01	RB-E-206-65-BD0001	RPD	Difference	Difference CL
Total solids	81%	80.5%	1%	--	--
Aroclor 1254	1610 µg/kg	1760 µg/kg	9%	--	--
Aroclor 1260	8640 µg/kg	8490 µg/kg	2%	--	--

Analyte	RB-E-211-77-221025-00-01	RB-E-211-77-BD0001	RPD	Difference	Difference CL
Total solids	70.4%	70.7%	0%	--	--
Aroclor 1254	1620 µg/kg	2170 µg/kg	29%	--	--
Aroclor 1260	7040 µg/kg	8370 µg/kg	17%	--	--

Analyte	RB-W-222-65-221025-00-01	RB-W-222-65-BD0001	RPD	Difference	Difference CL
Total solids	66.2%	65.2%	2%	--	--
Aroclor 1254	1780 µg/kg	1460 µg/kg	20%	--	--
Aroclor 1260	7670 µg/kg	6460 µg/kg	17%	--	--

Analyte	SE-BW5A-5-C-6-7-221027-2.5-03	SE-BW5A-5-C-6-7-BD0001	RPD	Difference	Difference CL
TOC	81000 mg/kg	63800 mg/kg	24%	--	--
Total solids	21.8%	28.1%	25%	--	--

Analyte	SE-BW5A-5-C-D-7-8-221027-00-01	SE-BW5A-5-C-D-7-8-BD0001	RPD	Difference	Difference CL
TOC	59800 mg/kg	62900 mg/kg	5%	--	--
Total solids	35.9%	36.1%	1%	--	--
Aroclor 1254	4110 µg/kg	839 µg/kg	132%	--	--
Aroclor 1260	11500 µg/kg	2910 µg/kg	119%	--	--

Analyte	RB-E-148-77-221102-00-01	RB-E-148-77-BD0001	RPD	Difference	Difference CL
Total solids	73.1%	72.9%	0%	--	--
Aroclor 1254	2620 µg/kg	2670 µg/kg	2%	--	--
Aroclor 1260	10500 µg/kg	10600 µg/kg	1%	--	--

Notes:
µg/kg: microgram per kilogram
CL: control limit
mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are

associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD54673
 - Tetrachloro-m-xylene (TMX) and/or Decachlorobiphenyl (DCB) recovered below 10% in the analysis of samples RB-2210251433 and RB-2210251511. The results have been rejected due to the surrogate recovery below 10%.
- SDG JD54674
 - DCB recovered above the control limit in the second column analysis of samples SE-144-57-E-221026-01-1.44 and SE-147-09-E-221026-00-0.5. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
 - TMX recovered above the control limit in the first column analysis of sample SE-147-09-C-221026-0.5-01. The Aroclor 1260 result has been qualified "J" to indicate a high bias.
- SDG JD54675
 - DCB recovered below 10% in the analysis of sample RB-2210251417. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered below the control limit and TMX recovered below 10% in the analysis of sample RB-E-213-25-221025-00-01. The non-detect results have been rejected due to the surrogate recovery below 10%. The detected results have been qualified "J" to indicate a low bias.
 - DCB recovered above the control limit in the analysis of samples RB-E-192-07-221026-00-01, RB-E-195-40-221026-00-01, and RB-E-207-24-221026-00-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
- SDG JD55006
 - DCB recovered below 10% in the analysis of sample RB-2210271507. The results have been rejected due to the surrogate recovery below 10%.
- SDG JD55007
 - TMX and/or DCB recovered above the control limit in the analysis of samples RB-E-141-100-221102-00-01, RB-E-142-19-221102-00-01, RB-E-142-93-221102-00-01, RB-E-144-76-221102-00-01, RB-E-150-24-221102-00-01, and RB-W-174-73-221102-00-01. Detected sample results have been qualified "J" to indicate a high bias.
 - DCB recovered above the control limit in the second column analysis of samples RB-E-146-28-221102-00-01, RB-E-146-63-221102-00-01, RB-E-147-04-221102-00-01, RB-E-147-34-221102-00-01, RB-E-148-01-221102-00-01, RB-E-148-18-221102-00-01, RB-E-148-39-221102-00-01, RB-E-148-59-221102-00-01, RB-E-148-77-221102-00-01, and RB-E-148-77-BD0001. The Aroclor 1254 results have been qualified "J" to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD54673 – The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-BW5A-5-B-C-5-6-221025-00-01. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD55006 – The Aroclor 1260 RPD values were above the control limit in the analysis of samples SE-BW5A-5-C-7-8-221027-2.5-03 and SE-BW5A-5-C-D-7-8-221027-01-1.5. The Aroclor 1260 results have been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batch OP42892
 - Aroclor 1016 recovered above the control limit in the LCS. All results were not detected, so no data were qualified.
- Aroclor Batch OP42893
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP42911
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP42912
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS and the RPD between the LCS and LCSD recovered above the control limit. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43054
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a potentially high bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected.

Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD54673
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-BW5A-5-B-3-221025-01-1.5 and SE-BW5A-5-B-C-4-5-221025-02-2.5. Associated batch sample results have been qualified "J".
- SDG JD54674
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-144-57-E-221026-00-0.5, SE-147-09-E-221026-00-0.5, and SE-147-09-W-221026-01-1.5. Associated batch sample results have been qualified "J".
- SDG JD55006
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-BW5A-5-C-6-7-221027-03-3.5, SE-BW5A-5-C-6-7-221027-1.5-1.62, SE-BW5A-5-C-D-6-7-221027-00-01, and SE-BW5A-5-C-D-7-8-221027-01-1.5. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses. Matrix spike duplicates were used in place of laboratory duplicates for TOC. All RPD values were within project-required control limits.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Thirty-three results in five samples were rejected due to low/no recovery. Completeness was greater than 98%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2210251433	PCBs	Aroclor 1016	0.37 ug/L	R	Surrogate %R below 10%
		Aroclor 1221	0.37 ug/L	R	
		Aroclor 1232	0.37 ug/L	R	
		Aroclor 1242	0.37 ug/L	R	
		Aroclor 1248	0.37 ug/L	R	
		Aroclor 1254	0.37 ug/L	R	
		Aroclor 1260	0.37 ug/L	R	
RB-2210251511	PCBs	Aroclor 1016	0.34 ug/L	R	Surrogate %R below 10%
		Aroclor 1221	0.34 ug/L	R	
		Aroclor 1232	0.34 ug/L	R	
		Aroclor 1242	0.34 ug/L	R	
		Aroclor 1248	0.34 ug/L	R	
		Aroclor 1254	0.34 ug/L	R	
		Aroclor 1260	0.34 ug/L	R	
SE-BW5A-5-A-B-3-4-221025-00-01	Conventionals	TOC	23700 mg/kg	23700J mg/kg	MS/MSD %R below CL
SE-BW5A-5-A-B-3-4-221025-01-1.5	Conventionals	TOC	22400 mg/kg	22400J mg/kg	MS/MSD %R below CL
SE-BW5A-5-A-B-3-4-221025-02-2.5	Conventionals	TOC	10300 mg/kg	10300J mg/kg	MS/MSD %R below CL
SE-BW5A-5-A-B-3-4-221025-03-3.5	Conventionals	TOC	25500 mg/kg	25500J mg/kg	MS/MSD %R below CL
SE-BW5A-5-A-B-3-4-221025-1.5-02	Conventionals	TOC	9560 mg/kg	9560J mg/kg	MS/MSD %R below CL
SE-BW5A-5-A-B-3-4-221025-2.5-03	Conventionals	TOC	30000 mg/kg	30000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-A-B-3-4-221025-3.5-3.7	Conventionals	TOC	3460 mg/kg	3460J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-3-221025-00-01	Conventionals	TOC	13300 mg/kg	13300J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-B-3-221025-01-1.5	Conventionals	TOC	6550 mg/kg	6550J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-3-221025-02-2.27	Conventionals	TOC	14600 mg/kg	14600J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-3-221025-1.5-02	Conventionals	TOC	4220 mg/kg	4220J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-BW5A-5-B-3-BD0001	Conventionals	TOC	7240 mg/kg	7240J mg/kg	MS/MSD %R below CL; FD RPD above CL
SE-BW5A-5-B-C-4-5-221025-00-01	Conventionals	TOC	16700 mg/kg	16700J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-C-4-5-221025-01-1.5	Conventionals	TOC	31700 mg/kg	31700J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-C-4-5-221025-02-2.5	Conventionals	TOC	9330 mg/kg	9330J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-C-4-5-221025-03-3.5	Conventionals	TOC	28300 mg/kg	28300J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-C-4-5-221025-1.5-02	Conventionals	TOC	16400 mg/kg	16400J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-C-4-5-221025-2.5-03	Conventionals	TOC	11600 mg/kg	11600J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-C-4-5-221025-3.5-3.6	Conventionals	TOC	17200 mg/kg	17200J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-C-4-5-BD0001	Conventionals	TOC	15200 mg/kg	15200J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-C-5-6-221025-00-01	Conventionals	TOC	13900 mg/kg	13900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	113 µg/kg	113J µg/kg	Column Confirmation RPD above CL
SE-BW5A-5-B-C-5-6-221025-01-1.5	Conventionals	TOC	15800 mg/kg	15800J mg/kg	MS/MSD %R below CL
SE-BW5A-5-B-C-5-6-221025-1.5-1.95	Conventionals	TOC	19300 mg/kg	19300J mg/kg	MS/MSD %R below CL
SE-144-57-C-221026-0.5-01	Conventionals	TOC	14200 mg/kg	14200J mg/kg	MS/MSD %R below CL
SE-144-57-C-221026-00-0.5	Conventionals	TOC	22200 mg/kg	22200J mg/kg	MS/MSD %R below CL
SE-144-57-E-221026-0.5-01	Conventionals	TOC	10200 mg/kg	10200J mg/kg	MS/MSD %R below CL
SE-144-57-E-221026-00-0.5	Conventionals	TOC	3420 mg/kg	3420J mg/kg	MS/MSD %R below CL
SE-144-57-E-221026-01-1.44	Conventionals	TOC	39800 mg/kg	39800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1590 µg/kg	1590J µg/kg	Surrogate %R above CL
SE-144-57-W-221026-0.5-01	Conventionals	TOC	16600 mg/kg	16600J mg/kg	MS/MSD %R below CL
SE-144-57-W-221026-00-0.5	Conventionals	TOC	4930 mg/kg	4930J mg/kg	MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-144-57-W-221026-01-1.42	Conventionals	TOC	22800 mg/kg	22800J mg/kg	MSD %R below CL
SE-147-09-C-221026-0.5-01	Conventionals	TOC	1910 mg/kg	1910J mg/kg	MSD %R below CL
	PCBs	Aroclor 1260	4950 µg/kg	4950J µg/kg	Surrogate %R above CL
SE-147-09-C-221026-00-0.5	Conventionals	TOC	9100 mg/kg	9100J mg/kg	MSD %R below CL
SE-147-09-C-221026-01-1.5	Conventionals	TOC	2400 mg/kg	2400J mg/kg	MSD %R below CL
SE-147-09-C-221026-02-2.15	Conventionals	TOC	2360 mg/kg	2360J mg/kg	MSD %R below CL
SE-147-09-C-221026-1.5-02	Conventionals	TOC	2840 mg/kg	2840J mg/kg	MSD %R below CL
SE-147-09-E-221026-0.5-01	Conventionals	TOC	3110 mg/kg	3110J mg/kg	MSD %R below CL
SE-147-09-E-221026-00-0.5	Conventionals	TOC	4970 mg/kg	4970J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	1100 µg/kg	1100J µg/kg	Surrogate %R above CL
SE-147-09-E-221026-01-1.5	Conventionals	TOC	2100 mg/kg	2100J mg/kg	MSD %R below CL
SE-147-09-E-221026-1.5-02	Conventionals	TOC	1310 mg/kg	1310J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	503 µg/kg	503J µg/kg	FD RPD above CL
SE-147-09-E-BD0001	Conventionals	TOC	1940 mg/kg	1940J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	293 µg/kg	293J µg/kg	FD RPD above CL
SE-147-09-W-221026-0.5-01	Conventionals	TOC	23100 mg/kg	23100J mg/kg	MS/MSD %R below CL
SE-147-09-W-221026-00-0.5	Conventionals	TOC	11300 mg/kg	11300J mg/kg	MS/MSD %R below CL
SE-147-09-W-221026-01-1.5	Conventionals	TOC	1720 mg/kg	1720J mg/kg	MS/MSD %R below CL
SE-147-09-W-221026-1.5-1.9	Conventionals	TOC	6380 mg/kg	6380J mg/kg	MS/MSD %R below CL
RB-2210251417	PCBs	Aroclor 1016	0.36 ug/L	R	Surrogate %R below 10%
		Aroclor 1221	0.36 ug/L	R	
		Aroclor 1232	0.36 ug/L	R	
		Aroclor 1242	0.36 ug/L	R	
		Aroclor 1248	0.36 ug/L	R	
		Aroclor 1254	0.36 ug/L	R	
		Aroclor 1260	0.36 ug/L	R	
RB-E-191-39-221026-00-01	PCBs	Aroclor 1254	1240 µg/kg	1240J µg/kg	LCS %R above CL
		Aroclor 1260	9670 µg/kg	9670J µg/kg	
RB-E-191-82-221026-00-01	PCBs	Aroclor 1254	1690 µg/kg	1690J µg/kg	LCS %R above CL
		Aroclor 1260	11300 µg/kg	11300J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-192-07-221026-00-01	PCBs	Aroclor 1254	1460 µg/kg	1460J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	11800 µg/kg	11800J µg/kg	LCS %R above CL
RB-E-192-07-BD0001	PCBs	Aroclor 1254	1960 µg/kg	1960J µg/kg	LCS %R above CL
		Aroclor 1260	11800 µg/kg	11800J µg/kg	
RB-E-193-32-221026-00-01	PCBs	Aroclor 1254	1590 µg/kg	1590J µg/kg	LCS %R above CL
		Aroclor 1260	10300 µg/kg	10300J µg/kg	
RB-E-193-82-221026-00-01	PCBs	Aroclor 1254	1940 µg/kg	1940J µg/kg	LCS %R above CL
		Aroclor 1260	10400 µg/kg	10400J µg/kg	
RB-E-194-35-221026-00-01	PCBs	Aroclor 1254	1910 µg/kg	1910J µg/kg	LCS %R above CL
		Aroclor 1260	8570 µg/kg	8570J µg/kg	
RB-E-194-90-221026-00-01	PCBs	Aroclor 1254	2110 µg/kg	2110J µg/kg	LCS %R above CL
		Aroclor 1260	10100 µg/kg	10100J µg/kg	
RB-E-195-40-221026-00-01	PCBs	Aroclor 1254	3220 µg/kg	3220J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	16800 µg/kg	16800J µg/kg	LCS %R above CL
RB-E-195-90-221026-00-01	PCBs	Aroclor 1254	1540 µg/kg	1540J µg/kg	LCS %R above CL
		Aroclor 1260	7310 µg/kg	7310J µg/kg	
RB-E-196-44-221026-00-01	PCBs	Aroclor 1254	1630 µg/kg	1630J µg/kg	LCS %R above CL
		Aroclor 1260	8580 µg/kg	8580J µg/kg	
RB-E-196-92-221026-00-01	PCBs	Aroclor 1254	4880 µg/kg	4880J µg/kg	LCS %R above CL
		Aroclor 1260	52900 µg/kg	52900J µg/kg	
RB-E-197-35-221026-00-01	PCBs	Aroclor 1254	2590 µg/kg	2590J µg/kg	LCS %R above CL
		Aroclor 1260	14900 µg/kg	14900J µg/kg	
RB-E-197-80-221026-00-01	PCBs	Aroclor 1254	982 µg/kg	982J µg/kg	LCS %R above CL
		Aroclor 1260	6560 µg/kg	6560J µg/kg	
RB-E-198-21-221026-00-01	PCBs	Aroclor 1254	2340 µg/kg	2340J µg/kg	LCS %R above CL
		Aroclor 1260	19700 µg/kg	19700J µg/kg	
RB-E-198-65-221026-00-01	PCBs	Aroclor 1254	2030 µg/kg	2030J µg/kg	LCS %R above CL
		Aroclor 1260	12700 µg/kg	12700J µg/kg	
RB-E-199-12-221026-00-01	PCBs	Aroclor 1254	3440 µg/kg	3440J µg/kg	LCS %R above CL
		Aroclor 1260	26700 µg/kg	26700J µg/kg	
RB-E-199-52-221026-00-01	PCBs	Aroclor 1254	1550 µg/kg	1550J µg/kg	LCS %R above CL
		Aroclor 1260	9100 µg/kg	9100J µg/kg	
RB-E-200-03-221026-00-01	PCBs	Aroclor 1254	1430 µg/kg	1430J µg/kg	LCS %R above CL
		Aroclor 1260	7470 µg/kg	7470J µg/kg	
RB-E-200-59-221026-00-01	PCBs	Aroclor 1254	2900 µg/kg	2900J µg/kg	LCS %R above CL
		Aroclor 1260	13500 µg/kg	13500J µg/kg	
	PCBs	Aroclor 1254	1690 µg/kg	1690J µg/kg	LCS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-201-15-221026-00-01		Aroclor 1260	7520 µg/kg	7520J µg/kg	
RB-E-201-70-221026-00-01	PCBs	Aroclor 1254	3880 µg/kg	3880J µg/kg	LCS %R above CL
		Aroclor 1260	28600 µg/kg	28600J µg/kg	
RB-E-202-20-221026-00-01	PCBs	Aroclor 1254	1980 µg/kg	1980J µg/kg	LCS %R above CL
		Aroclor 1260	7310 µg/kg	7310J µg/kg	
RB-E-202-61-221026-00-01	PCBs	Aroclor 1254	2090 µg/kg	2090J µg/kg	LCS %R above CL
		Aroclor 1260	7450 µg/kg	7450J µg/kg	
RB-E-203-00-221026-00-01	PCBs	Aroclor 1254	2050 µg/kg	2050J µg/kg	LCS %R above CL
		Aroclor 1260	7370 µg/kg	7370J µg/kg	
RB-E-203-40-221026-00-01	PCBs	Aroclor 1254	1360 µg/kg	1360J µg/kg	LCS %R above CL
		Aroclor 1260	5390 µg/kg	5390J µg/kg	
RB-E-205-90-221026-00-01	PCBs	Aroclor 1254	958 µg/kg	958J µg/kg	LCS %R above CL
		Aroclor 1260	4900 µg/kg	4900J µg/kg	
RB-E-206-28-221026-00-01	PCBs	Aroclor 1254	1510 µg/kg	1510J µg/kg	LCS %R above CL
		Aroclor 1260	7680 µg/kg	7680J µg/kg	
RB-E-206-65-221026-00-01	PCBs	Aroclor 1254	1610 µg/kg	1610J µg/kg	LCS %R above CL
		Aroclor 1260	8640 µg/kg	8640J µg/kg	
RB-E-206-65-BD0001	PCBs	Aroclor 1254	1760 µg/kg	1760J µg/kg	LCS %R above CL
		Aroclor 1260	8490 µg/kg	8490J µg/kg	
RB-E-206-91-221026-00-01	PCBs	Aroclor 1254	1360 µg/kg	1360J µg/kg	LCS %R above CL
		Aroclor 1260	7070 µg/kg	7070J µg/kg	
RB-E-207-24-221026-00-01	PCBs	Aroclor 1254	2410 µg/kg	2410J µg/kg	LCS %R above CL; MS/MSD %R above CL; Surrogate %R above CL
RB-E-213-25-221025-00-01	PCBs	Aroclor 1016	53 µg/kg	R	Surrogate %R below 10%
		Aroclor 1221	53 µg/kg	R	Surrogate %R below 10%
		Aroclor 1232	53 µg/kg	R	Surrogate %R below 10%
		Aroclor 1242	53 µg/kg	R	Surrogate %R below 10%
		Aroclor 1248	53U µg/kg	R	Surrogate %R below 10%
		Aroclor 1254	2720 µg/kg	2720J µg/kg	Surrogate %R below CL
		Aroclor 1260	12300 µg/kg	12300J µg/kg	Surrogate %R below CL
RB-E-219-51-221025-00-01	PCBs	Aroclor 1254	2020 µg/kg	2020J µg/kg	LCS %R above CL
		Aroclor 1260	7880 µg/kg	7880J µg/kg	
	PCBs	Aroclor 1254	1750 µg/kg	1750J µg/kg	LCS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-220-04-221025-00-01		Aroclor 1260	7570 µg/kg	7570J µg/kg	
RB-E-221-05-221025-00-01	PCBs	Aroclor 1254	2440 µg/kg	2440J µg/kg	LCS %R above CL
		Aroclor 1260	9190 µg/kg	9190J µg/kg	
RB-E-222-11-221025-00-01	PCBs	Aroclor 1254	5270 µg/kg	5270J µg/kg	LCS %R above CL
		Aroclor 1260	44600 µg/kg	44600J µg/kg	
RB-E-222-81-221025-00-01	PCBs	Aroclor 1254	1440 µg/kg	1440J µg/kg	LCS %R above CL
		Aroclor 1260	7320 µg/kg	7320J µg/kg	
RB-E-223-67-221025-00-01	PCBs	Aroclor 1254	1550 µg/kg	1550J µg/kg	LCS %R above CL
		Aroclor 1260	7980 µg/kg	7980J µg/kg	
RB-E-224-55-221025-00-01	PCBs	Aroclor 1254	1940 µg/kg	1940J µg/kg	LCS %R above CL
		Aroclor 1260	9660 µg/kg	9660J µg/kg	
RB-W-216-57-221025-00-01	PCBs	Aroclor 1254	1810 µg/kg	1810J µg/kg	LCS %R above CL
		Aroclor 1260	10100 µg/kg	10100J µg/kg	
RB-W-217-41-221025-00-01	PCBs	Aroclor 1254	2150 µg/kg	2150J µg/kg	LCS %R above CL
		Aroclor 1260	10500 µg/kg	10500J µg/kg	
RB-W-217-86-221025-00-01	PCBs	Aroclor 1254	1350 µg/kg	1350J µg/kg	LCS %R above CL
		Aroclor 1260	7290 µg/kg	7290J µg/kg	
RB-W-218-26-221025-00-01	PCBs	Aroclor 1254	1030 µg/kg	1030J µg/kg	LCS %R above CL
		Aroclor 1260	4890 µg/kg	4890J µg/kg	
RB-W-218-70-221025-00-01	PCBs	Aroclor 1254	2310 µg/kg	2310J µg/kg	LCS %R above CL
		Aroclor 1260	14000 µg/kg	14000J µg/kg	
RB-W-219-01-221025-00-01	PCBs	Aroclor 1254	111 µg/kg	111J µg/kg	LCS %R above CL
		Aroclor 1260	511 µg/kg	511J µg/kg	
RB-W-219-40-221025-00-01	PCBs	Aroclor 1254	832 µg/kg	832J µg/kg	LCS %R above CL
		Aroclor 1260	5320 µg/kg	5320J µg/kg	
RB-W-219-86-221025-00-01	PCBs	Aroclor 1254	2100 µg/kg	2100J µg/kg	LCS %R above CL
		Aroclor 1260	12100 µg/kg	12100J µg/kg	
RB-W-220-37-221025-00-01	PCBs	Aroclor 1254	1410 µg/kg	1410J µg/kg	LCS %R above CL
		Aroclor 1260	7280 µg/kg	7280J µg/kg	
RB-W-220-86-221025-00-01	PCBs	Aroclor 1254	1350 µg/kg	1350J µg/kg	LCS %R above CL
		Aroclor 1260	6650 µg/kg	6650J µg/kg	
RB-W-221-35-221025-00-01	PCBs	Aroclor 1254	1310 µg/kg	1310J µg/kg	LCS %R above CL
		Aroclor 1260	8090 µg/kg	8090J µg/kg	
RB-W-221-83-221025-00-01	PCBs	Aroclor 1254	1690 µg/kg	1690J µg/kg	LCS %R above CL
		Aroclor 1260	7030 µg/kg	7030J µg/kg	
RB-W-222-24-221025-00-01	PCBs	Aroclor 1254	1630 µg/kg	1630J µg/kg	LCS %R above CL
		Aroclor 1260	7460 µg/kg	7460J µg/kg	
RB-2210271507	PCBs	Aroclor 1016	0.35 ug/L	R	Surrogate %R below 10%
		Aroclor 1221	0.35 ug/L	R	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		Aroclor 1232	0.35 ug/L	R	
		Aroclor 1242	0.35 ug/L	R	
		Aroclor 1248	0.35 ug/L	R	
		Aroclor 1254	0.35 ug/L	R	
		Aroclor 1260	0.35 ug/L	R	
SE-BW5A-5-C-6-221027-00-01	Conventionals	TOC	45300 mg/kg	45300J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-221027-01-1.5	Conventionals	TOC	21100 mg/kg	21100J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-221027-02-2.5	Conventionals	TOC	41700 mg/kg	41700J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-221027-03-3.5	Conventionals	TOC	67500 mg/kg	67500J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-221027-04-4.5	Conventionals	TOC	48900 mg/kg	48900J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-221027-1.5-1.82	Conventionals	TOC	24500 mg/kg	24500J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-221027-2.5-03	Conventionals	TOC	62300 mg/kg	62300J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-221027-3.5-3.62	Conventionals	TOC	45400 mg/kg	45400J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-221027-4.5-05	Conventionals	TOC	27200 mg/kg	27200J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-221027-00-01	Conventionals	TOC	30300 mg/kg	30300J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-221027-01-1.5	Conventionals	TOC	9420 mg/kg	9420J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-221027-02-2.5	Conventionals	TOC	48000 mg/kg	48000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-221027-03-3.5	Conventionals	TOC	47200 mg/kg	47200J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-221027-04-4.5	Conventionals	TOC	42600 mg/kg	42600J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-221027-1.5-1.62	Conventionals	TOC	9520 mg/kg	9520J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-221027-2.5-03	Conventionals	TOC	81000 mg/kg	81000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-221027-3.5-04	Conventionals	TOC	37300 mg/kg	37300J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-221027-4.5-05	Conventionals	TOC	35700 mg/kg	35700J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-6-7-BD0001	Conventionals	TOC	63800 mg/kg	63800J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-7-8-221027-00-01	Conventionals	TOC	82500 mg/kg	82500J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-7-8-221027-01-1.4	Conventionals	TOC	80000 mg/kg	80000J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-C-7-8-221027-02-2.5	Conventionals	TOC	84700 mg/kg	84700J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-7-8-221027-03-3.5	Conventionals	TOC	92600 mg/kg	92600J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-7-8-221027-04-4.5	Conventionals	TOC	72100 mg/kg	72100J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-7-8-221027-2.5-03	Conventionals	TOC	69300 mg/kg	69300J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	96.9 µg/kg	96.9J µg/kg	Column Confirmation RPD above CL
SE-BW5A-5-C-7-8-221027-3.5-04	Conventionals	TOC	57900 mg/kg	57900J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-7-8-221027-4.5-05	Conventionals	TOC	30900 mg/kg	30900J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-6-7-221027-00-01	Conventionals	TOC	44500 mg/kg	44500J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-6-7-221027-01-1.11	Conventionals	TOC	56300 mg/kg	56300J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-6-7-221027-02-2.5	Conventionals	TOC	24800 mg/kg	24800J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-6-7-221027-03-3.5	Conventionals	TOC	21100 mg/kg	21100J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-6-7-221027-04-4.5	Conventionals	TOC	26300 mg/kg	26300J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-6-7-221027-2.5-03	Conventionals	TOC	16200 mg/kg	16200J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-6-7-221027-3.5-04	Conventionals	TOC	38300 mg/kg	38300J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-6-7-221027-4.5-05	Conventionals	TOC	21100 mg/kg	21100J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-7-8-221027-00-01	Conventionals	TOC	59800 mg/kg	59800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	4110 µg/kg	4110J µg/kg	FD RPD above CL
		Aroclor 1260	11500 µg/kg	11500J µg/kg	
SE-BW5A-5-C-D-7-8-221027-01-1.5	Conventionals	TOC	69900 mg/kg	69900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	161 µg/kg	161J µg/kg	Column Confirmation RPD above CL
SE-BW5A-5-C-D-7-8-221027-02-2.5	Conventionals	TOC	21500 mg/kg	21500J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-7-8-221027-03-3.5	Conventionals	TOC	36000 mg/kg	36000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-7-8-221027-04-4.5	Conventionals	TOC	35900 mg/kg	35900J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-7-8-221027-1.5-1.78	Conventionals	TOC	58900 mg/kg	58900J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-7-8-221027-2.5-03	Conventionals	TOC	22200 mg/kg	22200J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-7-8-221027-3.5-04	Conventionals	TOC	57800 mg/kg	57800J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-C-D-7-8-221027-4.5-05	Conventionals	TOC	33800 mg/kg	33800J mg/kg	MS/MSD %R below CL
SE-BW5A-5-C-D-7-8-BD0001	PCBs	Aroclor 1254	839 µg/kg	839J µg/kg	FD RPD above CL
		Aroclor 1260	2910 µg/kg	2910J µg/kg	
RB-E-141-100-221102-00-01	PCBs	Aroclor 1254	2960 µg/kg	2960J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	12200 µg/kg	12200J µg/kg	
RB-E-142-19-221102-00-01	PCBs	Aroclor 1254	3100 µg/kg	3100J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	12600 µg/kg	12600J µg/kg	
RB-E-142-35-221102-00-01	PCBs	Aroclor 1254	3020 µg/kg	3020J µg/kg	LCS %R above CL
		Aroclor 1260	12300 µg/kg	12300J µg/kg	
RB-E-142-93-221102-00-01	PCBs	Aroclor 1254	3310 µg/kg	3310J µg/kg	Surrogate %R above CL
		Aroclor 1260	16500 µg/kg	16500J µg/kg	
RB-E-144-76-221102-00-01	PCBs	Aroclor 1254	4940 µg/kg	4940J µg/kg	Surrogate %R above CL
		Aroclor 1260	20400 µg/kg	20400J µg/kg	
RB-E-146-28-221102-00-01	PCBs	Aroclor 1254	2620 µg/kg	2620J µg/kg	Surrogate %R above CL
RB-E-146-63-221102-00-01	PCBs	Aroclor 1254	2280 µg/kg	2280J µg/kg	Surrogate %R above CL
RB-E-147-04-221102-00-01	PCBs	Aroclor 1254	2940 µg/kg	2940J µg/kg	Surrogate %R above CL
RB-E-147-34-221102-00-01	PCBs	Aroclor 1254	1840 µg/kg	1840J µg/kg	Surrogate %R above CL
RB-E-148-01-221102-00-01	PCBs	Aroclor 1254	2900 µg/kg	2900J µg/kg	Surrogate %R above CL
RB-E-148-18-221102-00-01	PCBs	Aroclor 1254	2020 µg/kg	2020J µg/kg	Surrogate %R above CL
RB-E-148-39-221102-00-01	PCBs	Aroclor 1254	4470 µg/kg	4470J µg/kg	Surrogate %R above CL
RB-E-148-59-221102-00-01	PCBs	Aroclor 1254	1930 µg/kg	1930J µg/kg	Surrogate %R above CL
RB-E-148-77-221102-00-01	PCBs	Aroclor 1254	2620 µg/kg	2620J µg/kg	Surrogate %R above CL
RB-E-148-77-BD0001	PCBs	Aroclor 1254	2670 µg/kg	2670J µg/kg	Surrogate %R above CL
RB-E-150-24-221102-00-01	PCBs	Aroclor 1254	2010 µg/kg	2010J µg/kg	Surrogate %R above CL
		Aroclor 1260	9100 µg/kg	9100J µg/kg	
RB-W-174-73-221102-00-01	PCBs	Aroclor 1254	2410 µg/kg	2410J µg/kg	Surrogate %R above CL
		Aroclor 1260	11200 µg/kg	11200J µg/kg	

Notes:

%R: percent recovery

CL: control limit

References

- Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.
- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.
- EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-5-A-B-3-4-221025-00-01	JD54673-1	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-3-4-221025-01-1.5	JD54673-2	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-3-4-221025-02-2.5	JD54673-3	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-3-4-221025-03-3.5	JD54673-4	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-3-4-221025-1.5-02	JD54673-5	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-3-4-221025-2.5-03	JD54673-6	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-3-4-221025-3.5-3.7	JD54673-7	JD54673	Sediment	PCBs, TOC, TS
RB-2210251433	JD54673-8	JD54673	Water	PCBs, TOC
SE-BW5A-5-B-3-221025-00-01	JD54673-9	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-3-221025-01-1.5	JD54673-10	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-3-221025-02-2.27	JD54673-11	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-3-221025-1.5-02	JD54673-12	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-3-BD0001	JD54673-13	JD54673	Sediment	PCBs, TOC, TS
RB-2210251511	JD54673-14	JD54673	Water	PCBs, TOC
SE-BW5A-5-B-C-4-5-221025-00-01	JD54673-15	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-4-5-221025-01-1.5	JD54673-16	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-4-5-221025-02-2.5	JD54673-17	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-4-5-221025-03-3.5	JD54673-18	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-4-5-221025-1.5-02	JD54673-19	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-4-5-221025-2.5-03	JD54673-20	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-4-5-221025-3.5-3.6	JD54673-21	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-4-5-BD0001	JD54673-22	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-5-6-221025-00-01	JD54673-23	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-5-6-221025-01-1.5	JD54673-24	JD54673	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-5-6-221025-1.5-1.95	JD54673-25	JD54673	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-144-57-C-221026-0.5-01	JD54674-1	JD54674	Sediment	PCBs, TOC, TS
SE-144-57-C-221026-00-0.5	JD54674-2	JD54674	Sediment	PCBs, TOC, TS
SE-144-57-CG-221026-00-1.1	JD54674-3	JD54674	Sediment	GS, MC
SE-144-57-E-221026-0.5-01	JD54674-4	JD54674	Sediment	PCBs, TOC, TS
SE-144-57-E-221026-00-0.5	JD54674-5	JD54674	Sediment	PCBs, TOC, TS
SE-144-57-E-221026-01-1.44	JD54674-6	JD54674	Sediment	PCBs, TOC, TS
SE-144-57-W-221026-0.5-01	JD54674-7	JD54674	Sediment	PCBs, TOC, TS
SE-144-57-W-221026-00-0.5	JD54674-8	JD54674	Sediment	PCBs, TOC, TS
SE-144-57-W-221026-01-1.42	JD54674-9	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-C-221026-0.5-01	JD54674-10	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-C-221026-00-0.5	JD54674-11	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-C-221026-01-1.5	JD54674-12	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-C-221026-02-2.15	JD54674-13	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-C-221026-1.5-02	JD54674-14	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-CG-221026-00-2.15	JD54674-15	JD54674	Sediment	GS, MC
RB-2210261627	JD54674-16	JD54674	Water	PCBs, TOC
SE-147-09-E-221026-0.5-01	JD54674-17	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-E-221026-00-0.5	JD54674-18	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-E-221026-01-1.5	JD54674-19	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-E-221026-1.5-02	JD54674-20	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-E-BD0001	JD54674-21	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-W-221026-0.5-01	JD54674-22	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-W-221026-00-0.5	JD54674-23	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-W-221026-01-1.5	JD54674-24	JD54674	Sediment	PCBs, TOC, TS
SE-147-09-W-221026-1.5-1.9	JD54674-25	JD54674	Sediment	PCBs, TOC, TS
RB-E-191-39-221026-00-01	JD54675-1	JD54675	Soil	PCBs, TS
RB-E-191-82-221026-00-01	JD54675-2	JD54675	Soil	PCBs, TS, GS, MC
RB-E-192-07-221026-00-01	JD54675-3	JD54675	Soil	PCBs, TS
RB-E-192-07-BD0001	JD54675-4	JD54675	Soil	PCBs, TS
RB-E-193-32-221026-00-01	JD54675-5	JD54675	Soil	PCBs, TS
RB-E-193-82-221026-00-01	JD54675-6	JD54675	Soil	PCBs, TS
RB-E-194-35-221026-00-01	JD54675-7	JD54675	Soil	PCBs, TS
RB-E-194-90-221026-00-01	JD54675-8	JD54675	Soil	PCBs, TS
RB-E-195-40-221026-00-01	JD54675-9	JD54675	Soil	PCBs, TS
RB-E-195-90-221026-00-01	JD54675-10	JD54675	Soil	PCBs, TS
RB-E-196-44-221026-00-01	JD54675-11	JD54675	Soil	PCBs, TS
RB-E-196-92-221026-00-01	JD54675-12	JD54675	Soil	PCBs, TS
RB-E-197-35-221026-00-01	JD54675-13	JD54675	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2210261403	JD54675-14	JD54675	Water	PCBs
RB-E-197-80-221026-00-01	JD54675-15	JD54675	Soil	PCBs, TS
RB-E-198-21-221026-00-01	JD54675-16	JD54675	Soil	PCBs, TS
RB-E-198-65-221026-00-01	JD54675-17	JD54675	Soil	PCBs, TS, GS, MC
RB-E-199-12-221026-00-01	JD54675-18	JD54675	Soil	PCBs, TS
RB-E-199-52-221026-00-01	JD54675-19	JD54675	Soil	PCBs, TS
RB-E-200-03-221026-00-01	JD54675-20	JD54675	Soil	PCBs, TS
RB-E-200-59-221026-00-01	JD54675-21	JD54675	Soil	PCBs, TS
RB-E-201-15-221026-00-01	JD54675-22	JD54675	Soil	PCBs, TS
RB-E-201-70-221026-00-01	JD54675-23	JD54675	Soil	PCBs, TS
RB-E-202-20-221026-00-01	JD54675-24	JD54675	Soil	PCBs, TS
RB-E-202-61-221026-00-01	JD54675-25	JD54675	Soil	PCBs, TS
RB-E-203-00-221026-00-01	JD54675-26	JD54675	Soil	PCBs, TS
RB-E-203-40-221026-00-01	JD54675-27	JD54675	Soil	PCBs, TS
RB-E-205-90-221026-00-01	JD54675-28	JD54675	Soil	PCBs, TS, GS, MC, SG, Density
RB-E-206-28-221026-00-01	JD54675-29	JD54675	Soil	PCBs, TS
RB-E-206-65-221026-00-01	JD54675-30	JD54675	Soil	PCBs, TS
RB-E-206-65-BD0001	JD54675-31	JD54675	Soil	PCBs, TS
RB-2210261346	JD54675-32	JD54675	Water	PCBs
RB-E-206-91-221026-00-01	JD54675-33	JD54675	Soil	PCBs, TS
RB-E-207-24-221026-00-01	JD54675-34	JD54675	Soil	PCBs, TS
RB-E-207-66-221025-00-01	JD54675-35	JD54675	Soil	PCBs, TS
RB-E-208-16-221025-00-01	JD54675-36	JD54675	Soil	PCBs, TS
RB-E-208-67-221025-00-01	JD54675-37	JD54675	Soil	PCBs, TS
RB-E-210-71-221025-00-01	JD54675-38	JD54675	Soil	PCBs, TS, GS, MC
RB-E-211-26-221025-00-01	JD54675-39	JD54675	Soil	PCBs, TS
RB-E-211-77-221025-00-01	JD54675-40	JD54675	Soil	PCBs, TS
RB-E-211-77-BD0001	JD54675-41	JD54675	Soil	PCBs, TS
RB-E-212-25-221025-00-01	JD54675-42	JD54675	Soil	PCBs, TS
RB-E-212-75-221025-00-01	JD54675-43	JD54675	Soil	PCBs, TS
RB-E-213-25-221025-00-01	JD54675-44	JD54675	Soil	PCBs, TS
RB-E-213-75-221025-00-01	JD54675-45	JD54675	Soil	PCBs, TS
RB-E-214-25-221025-00-01	JD54675-46	JD54675	Soil	PCBs, TS
RB-E-214-71-221025-00-01	JD54675-47	JD54675	Soil	PCBs, TS
RB-E-215-78-221025-00-01	JD54675-48	JD54675	Soil	PCBs, TS
RB-E-216-40-221025-00-01	JD54675-49	JD54675	Soil	PCBs, TS
RB-E-217-03-221025-00-01	JD54675-50	JD54675	Soil	PCBs, TS, GS, MC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-217-72-221025-00-01	JD54675-51	JD54675	Soil	PCBs, TS
RB-E-219-51-221025-00-01	JD54675-52	JD54675	Soil	PCBs, TS
RB-E-220-04-221025-00-01	JD54675-53	JD54675	Soil	PCBs, TS
RB-E-221-05-221025-00-01	JD54675-54	JD54675	Soil	PCBs, TS
RB-E-222-11-221025-00-01	JD54675-55	JD54675	Soil	PCBs, TS
RB-2210251417	JD54675-56	JD54675	Water	PCBs
RB-E-222-81-221025-00-01	JD54675-57	JD54675	Soil	PCBs, TS
RB-E-223-67-221025-00-01	JD54675-58	JD54675	Soil	PCBs, TS
RB-E-224-55-221025-00-01	JD54675-59	JD54675	Soil	PCBs, TS
RB-W-216-57-221025-00-01	JD54675-60	JD54675	Soil	PCBs, TS
RB-W-217-41-221025-00-01	JD54675-61	JD54675	Soil	PCBs, TS
RB-W-217-86-221025-00-01	JD54675-62	JD54675	Soil	PCBs, TS
RB-W-218-26-221025-00-01	JD54675-63	JD54675	Soil	PCBs, TS
RB-W-218-70-221025-00-01	JD54675-64	JD54675	Soil	PCBs, TS
RB-W-219-01-221025-00-01	JD54675-65	JD54675	Soil	PCBs, TS, GS, MC
RB-W-219-40-221025-00-01	JD54675-66	JD54675	Soil	PCBs, TS
RB-W-219-86-221025-00-01	JD54675-67	JD54675	Soil	PCBs, TS
RB-W-220-37-221025-00-01	JD54675-68	JD54675	Soil	PCBs, TS
RB-W-220-86-221025-00-01	JD54675-69	JD54675	Soil	PCBs, TS
RB-W-221-35-221025-00-01	JD54675-70	JD54675	Soil	PCBs, TS
RB-W-221-83-221025-00-01	JD54675-71	JD54675	Soil	PCBs, TS
RB-W-222-24-221025-00-01	JD54675-72	JD54675	Soil	PCBs, TS
RB-W-222-65-221025-00-01	JD54675-73	JD54675	Soil	PCBs, TS
RB-W-222-65-BD0001	JD54675-74	JD54675	Soil	PCBs, TS
RB-W-242-37-221025-00-01	JD54675-75	JD54675	Soil	PCBs, TS
RB-W-242-91-221025-00-01	JD54675-76	JD54675	Soil	PCBs, TS, GS, MC
RB-W-243-51-221025-00-01	JD54675-77	JD54675	Soil	PCBs, TS
RB-2210251437	JD54675-78	JD54675	Water	PCBs
RB-W-244-04-221025-00-01	JD54675-79	JD54675	Soil	PCBs, TS
RB-W-244-24-221025-00-01	JD54675-80	JD54675	Soil	PCBs, TS
SE-BW5A-5-C-6-221027-00-01	JD55006-1	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-221027-01-1.5	JD55006-2	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-221027-02-2.5	JD55006-3	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-221027-03-3.5	JD55006-4	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-221027-04-4.5	JD55006-5	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-221027-1.5-1.82	JD55006-6	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-221027-2.5-03	JD55006-7	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-221027-3.5-3.62	JD55006-8	JD55006	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-5-C-6-221027-4.5-05	JD55006-9	JD55006	Sediment	PCBs, TOC, TS
RB-2210271507	JD55006-10	JD55006	Water	PCBs, TOC
SE-BW5A-5-C-6-7-221027-00-01	JD55006-11	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-7-221027-01-1.5	JD55006-12	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-7-221027-02-2.5	JD55006-13	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-7-221027-03-3.5	JD55006-14	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-7-221027-04-4.5	JD55006-15	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-7-221027-1.5-1.62	JD55006-16	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-7-221027-2.5-03	JD55006-17	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-7-221027-3.5-04	JD55006-18	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-7-221027-4.5-05	JD55006-19	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-6-7-BD0001	JD55006-20	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-7-8-221027-00-01	JD55006-21	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-7-8-221027-01-1.4	JD55006-22	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-7-8-221027-02-2.5	JD55006-23	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-7-8-221027-03-3.5	JD55006-24	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-7-8-221027-04-4.5	JD55006-25	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-7-8-221027-2.5-03	JD55006-26	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-7-8-221027-3.5-04	JD55006-27	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-7-8-221027-4.5-05	JD55006-28	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-6-7-221027-00-01	JD55006-29	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-6-7-221027-01-1.11	JD55006-30	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-6-7-221027-02-2.5	JD55006-31	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-6-7-221027-03-3.5	JD55006-32	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-6-7-221027-04-4.5	JD55006-33	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-6-7-221027-2.5-03	JD55006-34	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-6-7-221027-3.5-04	JD55006-35	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-6-7-221027-4.5-05	JD55006-36	JD55006	Sediment	PCBs, TOC, TS
RB-2210271552	JD55006-37	JD55006	Water	PCBs, TOC
SE-BW5A-5-C-D-7-8-221027-00-01	JD55006-38	JD55006	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-5-C-D-7-8-221027-01-1.5	JD55006-39	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-7-8-221027-02-2.5	JD55006-40	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-7-8-221027-03-3.5	JD55006-41	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-7-8-221027-04-4.5	JD55006-42	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-7-8-221027-1.5-1.78	JD55006-43	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-7-8-221027-2.5-03	JD55006-44	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-7-8-221027-3.5-04	JD55006-45	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-7-8-221027-4.5-05	JD55006-46	JD55006	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-7-8-BD0001	JD55006-47	JD55006	Sediment	PCBs, TOC, TS
RB-E-141-100-221102-00-01	JD55007-1	JD55007	Soil	PCBS, TS, GS, MC
RB-E-142-19-221102-00-01	JD55007-2	JD55007	Soil	PCBs, TS
RB-E-142-35-221102-00-01	JD55007-3	JD55007	Soil	PCBs, TS
RB-E-142-93-221102-00-01	JD55007-4	JD55007	Soil	PCBs, TS
RB-E-144-76-221102-00-01	JD55007-5	JD55007	Soil	PCBs, TS
RB-E-145-100-221102-00-01	JD55007-6	JD55007	Soil	PCBs, TS
RB-E-145-48-221102-00-01	JD55007-7	JD55007	Soil	PCBs, TS
RB-E-146-28-221102-00-01	JD55007-8	JD55007	Soil	PCBs, TS
RB-E-146-63-221102-00-01	JD55007-9	JD55007	Soil	PCBs, TS
RB-E-147-04-221102-00-01	JD55007-10	JD55007	Soil	PCBs, TS
RB-E-147-34-221102-00-01	JD55007-11	JD55007	Soil	PCBs, TS
RB-E-147-70-221102-00-01	JD55007-12	JD55007	Soil	PCBs, TS
RB-E-148-01-221102-00-01	JD55007-13	JD55007	Soil	PCBS, TS, GS, MC
RB-E-148-18-221102-00-01	JD55007-14	JD55007	Soil	PCBs, TS
RB-E-148-39-221102-00-01	JD55007-15	JD55007	Soil	PCBs, TS
RB-E-148-59-221102-00-01	JD55007-16	JD55007	Soil	PCBs, TS
RB-E-148-77-221102-00-01	JD55007-17	JD55007	Soil	PCBs, TS
RB-E-148-77-BD0001	JD55007-18	JD55007	Soil	PCBs, TS
RB-E-148-97-221102-00-01	JD55007-19	JD55007	Soil	PCBs, TS
RB-E-149-64-221102-00-01	JD55007-20	JD55007	Soil	PCBs, TS
RB-E-150-24-221102-00-01	JD55007-21	JD55007	Soil	PCBs, TS
RB-E-150-76-221102-00-01	JD55007-22	JD55007	Soil	PCBs, TS
RB-E-151-53-221102-00-01	JD55007-23	JD55007	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-151-97-221102-00-01	JD55007-24	JD55007	Soil	PCBs, TS
RB-W-165-65-221102-00-01	JD55007-25	JD55007	Soil	PCBs, TS
RB-W-166-18-221102-00-01	JD55007-26	JD55007	Soil	PCBs, TS
RB-W-166-65-221102-00-01	JD55007-27	JD55007	Soil	PCBs, TS
RB-W-167-18-221102-00-01	JD55007-28	JD55007	Soil	PCBs, TS
RB-W-167-65-221102-00-01	JD55007-29	JD55007	Soil	PCBs, TS
RB-W-169-64-221102-00-01	JD55007-30	JD55007	Soil	PCBs, TS
RB-W-170-18-221102-00-01	JD55007-31	JD55007	Soil	PCBs, TS
RB-W-170-73-221102-00-01	JD55007-32	JD55007	Soil	PCBs, TS
RB-W-171-26-221102-00-01	JD55007-33	JD55007	Soil	PCBs, TS
RB-W-171-71-221102-00-01	JD55007-34	JD55007	Soil	PCBs, TS
RB-W-172-26-221102-00-01	JD55007-35	JD55007	Soil	PCBs, TS
RB-W-173-01-221102-00-01	JD55007-36	JD55007	Soil	PCBs, TS, GS, MC
RB-W-173-79-221102-00-01	JD55007-37	JD55007	Soil	PCBs, TS
RB-2211021410	JD55007-38	JD55007	Water	PCBs
RB-W-174-25-221102-00-01	JD55007-39	JD55007	Soil	PCBs, TS
RB-W-174-51-221102-00-01	JD55007-40	JD55007	Soil	PCBs, TS
RB-W-174-73-221102-00-01	JD55007-41	JD55007	Soil	PCBs, TS
RB-W-174-95-221102-00-01	JD55007-42	JD55007	Soil	PCBs, TS
RB-2211021406	JD55007-43	JD55007	Water	PCBs
RB-W-175-71-221102-00-01	JD55007-44	JD55007	Soil	PCBs, TS
RB-W-176-18-221102-00-01	JD55007-45	JD55007	Soil	PCBs, TS
RB-W-176-69-221102-00-01	JD55007-46	JD55007	Soil	PCBs, TS
RB-W-177-20-221102-00-01	JD55007-47	JD55007	Soil	PCBs, TS
RB-W-177-64-221102-00-01	JD55007-48	JD55007	Soil	PCBs, TS
RB-W-184-45-221102-00-01	JD55007-49	JD55007	Soil	PCBs, TS
RB-W-184-81-221102-00-01	JD55007-50	JD55007	Soil	PCBS, TS, GS, MC, SG, Density

Data Validation Report – EPA Stage 2A

May 19, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0082

This report summarizes the review of analytical results for 106 soil samples, 88 sediment samples, 9 field duplicate samples, and 10 equipment rinsate blanks collected in October and November 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Specific gravity (SG) by ASTM D1429
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Seven SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times with the exception of 66 samples that were analyzed outside of the 28-day holding time for TOC. The samples were qualified "J" to indicate they are estimated.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes with the exception of Aroclor 1260 in batch OP43050. All results were either not detected or greater than five (5X) times the blank contamination, so no data were qualified.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Ten equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and four were analyzed for TOC. All results were below detection.

Field Duplicates

Nine field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	RB-E-153-85- 221028-00-01	RB-E-153-85- BD0001	RPD
Total solids	63.2%	62.6%	1%
Aroclor 1254	1010 µg/kg	1610 µg/kg	46%
Aroclor 1260	4990 µg/kg	8500 µg/kg	52%

Analyte	RB-W-216-18-221028-00-01	RB-W-216-18-BD0001	RPD
Total solids	77.1%	78%	1%
Aroclor 1254	2690 µg/kg	2170 µg/kg	21%
Aroclor 1260	23400 µg/kg	14500 µg/kg	47%

Analyte	SE-BW5A-5-E-15-16-221102-00-01	SE-BW5A-5-E-15-16-BD0001	RPD
TOC	50700 mg/kg	55500 mg/kg	9%
Total solids	60.1%	52.9%	13%
Aroclor 1254	1250 µg/kg	1710 µg/kg	31%
Aroclor 1260	3990 µg/kg	5220 µg/kg	27%

Analyte	SE-BW5A-5-C-8-9-221028-03-3.5	SE-BW5A-5-C-8-9-BD0001	RPD
TOC	25400 mg/kg	27800 mg/kg	9%
Total solids	50.4%	53.4%	6%

Analyte	SE-BW5A-5-D-E-11-12-221031-00-01	SE-BW5A-5-D-E-11-12-BD0001	RPD
TOC	37800 mg/kg	30800 mg/kg	20%
Total solids	53.8%	51.9%	4%
Aroclor 1254	1700 µg/kg	633 µg/kg	91%
Aroclor 1260	4660 µg/kg	1430 µg/kg	106%

Analyte	SE-BW5A-5-E-13-14-221031-04-4.5	SE-BW5A-5-E-13-14-BD0001	RPD
TOC	22400 mg/kg	21700 mg/kg	3%
Total solids	68.2%	65.3%	4%
Aroclor 1254	191 µg/kg	66.2 µg/kg	97%
Aroclor 1260	288 µg/kg	132 µg/kg	74%

Analyte	RB-E-173-20- 221031-00-01	RB-E-173-20- BD0001	RPD
Total solids	77.8%	81.6%	5%
Aroclor 1254	1320 µg/kg	969 µg/kg	31%
Aroclor 1260	4400 µg/kg	3470 µg/kg	24%

Analyte	RB-W-199-04- 221031-00-01	RB-W-199-04- BD0001	RPD
Total solids	56.7%	49.5%	14%
Aroclor 1254	1920 µg/kg	3220 µg/kg	51%
Aroclor 1260	7800 µg/kg	12400 µg/kg	46%

Analyte	RB-E-190-41- 221027-00-01	RB-E-190-41- BD0001	RPD
Total solids	93.3%	92.6%	1%
Aroclor 1254	1370 µg/kg	1510 µg/kg	10%
Aroclor 1260	8000 µg/kg	11200 µg/kg	33%

Notes:

µg/kg: microgram per kilogram

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits. When surrogate recoveries were outside of the control limits in one column, and results were reported from the other column; or when the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD55008
 - Decachlorobiphenyl (DCB) recovered below 10% in the analysis of sample RB-2210281511. The results have been rejected due to the surrogate recovery below 10%.
- SDG JD55021
 - Tetrachloro-m-xylene (TMX) and/or DCB recovered above the control limit in the analysis of samples SE-BW5A-5-D-11-12-221031-02-2.5, SE-BW5A-5-D-11-12-221031-3.5-3.8, and SE-BW5A-5-E-12-13-221031-00-01. The sample results have been qualified "J" to indicate a high bias.

- SDG JD55029
 - TMX and/or DCB recovered above the control limit in the analysis of samples RB-E-169-48-221031-00-01, RB-E-171-67-221031-00-01, RB-E-172-11-221031-00-01, RB-E-172-89-221031-00-01, RB-E-173-20-221031-00-01, RB-W-191-21-221031-00-01, RB-W-192-33-221031-00-01, RB-W-199-04-BD0001, RB-W-199-59-221031-00-01, RB-W-200-08-221031-00-01, and RB-W-204-22-221031-00-01. The sample results have been qualified "J" to indicate a high bias.
 - TMX and/or DCB recovered above the control limit in the second column analysis of samples RB-W-197-36-221031-00-01, RB-W-197-96-221031-00-01, RB-W-198-47-221031-00-01, RB-W-199-04-221031-00-01, and RB-W-205-15-221031-00-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
- SDG JD55035
 - TMX and/or DCB recovered above the control limit in the analysis of samples RB-E-176-59-221027-00-01, RB-E-179-65-221027-00-01, RB-E-180-14-221027-00-01, RB-E-180-58-221027-00-01, RB-E-181-60-221027-00-01, RB-E-182-02-221027-00-01, RB-E-182-36-221027-00-01, RB-E-185-09-221027-00-01, RB-E-185-69-221027-00-01, RB-E-186-22-221027-00-01, RB-E-186-83-221027-00-01, RB-E-187-92-221027-00-01, RB-E-189-81-221027-00-01, and RB-E-190-41-BD0001. The sample results have been qualified "J" to indicate a high bias.
 - DCB recovered above the control limit in the analysis of samples RB-E-177-61-221027-00-01 and RB-E-181-07-221027-00-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD55008 – The Aroclor 1260 RPD value was above the control limit in the analysis of samples RB-W-212-37-221028-00-01, RB-W-213-84-221028-00-01, RB-W-214-83-221028-00-01, and RB-W-215-32-221028-00-01. The Aroclor 1260 results have been qualified "J" as estimated.
- SDG JD55010 – The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-BW5A-5-D-E-14-15-221101-04-4.5. The Aroclor 1254 result has been qualified "J" as estimated.
- SDG JD55016 – The Aroclor 1260 RPD values were above the control limit in the analysis of samples SE-BW5A-5-C-D-10-11-221028-02-2.5 and SE-BW5A-5-C-D-10-11-221028-04-4.5. The Aroclor 1260 results have been qualified "J" as estimated.

- SDG JD55021 – The Aroclor 1260 RPD value was above the control limit in the analysis of sample SE-BW5A-5-D-E-14-15-221101-04-4.5. The Aroclor 1260 result has been qualified “J” as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batches OP43016 & OP43017
 - Aroclor 1016 recovered above the control limit in the LCS. All results were below detection, so no data were qualified.
- Aroclor Batch OP43018
 - Aroclor 1260 recovered above the control limit in the LCSD. All detected results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP43051
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS and/or LCSD. All detected results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP43054
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP43058
 - Aroclor 1016 recovered above the control limit in the LCSD. All results were below detection, so no data were qualified.
 - The RPD between the LCS and LCSD for Aroclor 1260 recovered above the control limit. All detected results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP43375
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified “J” to indicate a potentially high bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected.

Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD55009
 - TOC recovered below the control limit in the MS analyzed on sample SE-BW5A-5-E-15-16-221102-02-2.5. Associated batch sample results have been qualified "J".
- SDG JD55010
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-BW5A-5-D-E-13-14-221101-4.5-05 and SE-BW5A-5-E-14-15-221101-2.5-03. Associated batch sample results have been qualified "J".
- SDG JD55016
 - Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample SE-BW5A-5-C-D-10-11-221028-04-4.5. The detected sample results have been qualified "J".
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-BW5A-5-C-D-10-11-221028-02-2.5, and SE-BW5A-5-D-9-10-221028-1.5-02. Associated batch sample results have been qualified "J".
- SDG JD55021
 - TOC recovered below the control limit in the MSD analyzed on sample SE-BW5A-5-E-13-14-221031-00-01. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Seven results in one sample were rejected due to low/no recovery. Completeness was greater than 99%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2210281511	PCBs	Aroclor 1016	0.34 ug/L	R	Surrogate %R below 10%
		Aroclor 1221	0.34 ug/L	R	
		Aroclor 1232	0.34 ug/L	R	
		Aroclor 1242	0.34 ug/L	R	
		Aroclor 1248	0.34 ug/L	R	
		Aroclor 1254	0.34 ug/L	R	
		Aroclor 1260	0.34 ug/L	R	
RB-E-153-85-221028-00-01	PCBs	Aroclor 1260	4990 µg/kg	4990J µg/kg	FD RPD above CL
RB-E-153-85-BD0001	PCBs	Aroclor 1260	8500 µg/kg	8500J µg/kg	FD RPD above CL
RB-W-212-37-221028-00-01	PCBs	Aroclor 1254	1020 µg/kg	1020J µg/kg	LCSD %R above CL
		Aroclor 1260	6700 µg/kg	6700J µg/kg	
RB-W-212-85-221028-00-01	PCBs	Aroclor 1254	2800 µg/kg	2800J µg/kg	LCSD %R above CL
		Aroclor 1260	8260 µg/kg	8260J µg/kg	
RB-W-213-84-221028-00-01	PCBs	Aroclor 1254	1510 µg/kg	1510J µg/kg	LCSD %R above CL
		Aroclor 1260	7700 µg/kg	7700J µg/kg	
RB-W-214-33-221028-00-01	PCBs	Aroclor 1254	1810 µg/kg	1810J µg/kg	LCSD %R above CL
		Aroclor 1260	10200 µg/kg	10200J µg/kg	
RB-W-214-83-221028-00-01	PCBs	Aroclor 1254	1350 µg/kg	1350J µg/kg	LCSD %R above CL
		Aroclor 1260	8720 µg/kg	8720J µg/kg	
RB-W-215-32-221028-00-01	PCBs	Aroclor 1254	915 µg/kg	915J µg/kg	LCSD %R above CL
		Aroclor 1260	5020 µg/kg	5020J µg/kg	
RB-W-215-76-221028-00-01	PCBs	Aroclor 1254	1330 µg/kg	1330J µg/kg	LCSD %R above CL
		Aroclor 1260	7400 µg/kg	7400J µg/kg	
RB-W-216-18-221028-00-01	PCBs	Aroclor 1254	2690 µg/kg	2690J µg/kg	LCSD %R above CL
		Aroclor 1260	23400 µg/kg	23400J µg/kg	
RB-W-216-18-BD0001	PCBs	Aroclor 1254	2170 µg/kg	2170J µg/kg	LCSD %R above CL
		Aroclor 1260	14500 µg/kg	14500J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-D-E-15-16-221102-00-0.9	Conventionals	TOC	118000 mg/kg	118000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-15-16-221102-02-2.5	Conventionals	TOC	124000 mg/kg	124000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-15-16-221102-03-3.4	Conventionals	TOC	129000 mg/kg	129000J mg/kg	MS %R below CL
SE-BW5A-5-D-E-15-16-221102-2.5-03	Conventionals	TOC	174000 mg/kg	174000J mg/kg	MS %R below CL
SE-BW5A-5-E-15-16-221102-00-01	Conventionals	TOC	50700 mg/kg	50700J mg/kg	MS %R below CL
SE-BW5A-5-E-15-16-221102-02-2.5	Conventionals	TOC	38400 mg/kg	38400J mg/kg	MS %R below CL
SE-BW5A-5-E-15-16-221102-03-3.5	Conventionals	TOC	2800 mg/kg	2800J mg/kg	MS %R below CL
SE-BW5A-5-E-15-16-221102-04-4.5	Conventionals	TOC	13300 mg/kg	13300J mg/kg	MS %R below CL
SE-BW5A-5-E-15-16-221102-2.5-03	Conventionals	TOC	4300 mg/kg	4300J mg/kg	MS %R below CL
SE-BW5A-5-E-15-16-221102-4.5-05	Conventionals	TOC	2800 mg/kg	2800J mg/kg	MS %R below CL
SE-BW5A-5-E-15-16-BD0001	Conventionals	TOC	55500 mg/kg	55500J mg/kg	MS %R below CL
SE-BW5A-5-D-E-13-14-221101-00-01	Conventionals	TOC	106000 mg/kg	106000J mg/kg	MSD %R below CL; Holding Times
SE-BW5A-5-D-E-13-14-221101-01-1.1	Conventionals	TOC	183000 mg/kg	183000J mg/kg	MSD %R below CL; Holding Times
SE-BW5A-5-D-E-13-14-221101-02-2.5	Conventionals	TOC	104000 mg/kg	104000J mg/kg	MSD %R below CL; Holding Times
SE-BW5A-5-D-E-13-14-221101-04-4.5	Conventionals	TOC	108000 mg/kg	108000J mg/kg	MSD %R below CL; Holding Times
SE-BW5A-5-D-E-13-14-221101-2.5-03	Conventionals	TOC	111000 mg/kg	111000J mg/kg	MSD %R below CL; Holding Times
SE-BW5A-5-D-E-13-14-221101-4.5-05	Conventionals	TOC	50600 mg/kg	50600J mg/kg	MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	49.6 µg/kg	49.6J µg/kg	LCS/LCSD RPD above CL
SE-BW5A-5-D-E-14-15-221101-00-0.8	Conventionals	TOC	106000 mg/kg	106000J mg/kg	MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	8320 µg/kg	8320J µg/kg	LCS/LCSD RPD above CL
	PCBs	Aroclor 1260	35600 µg/kg	35600J µg/kg	
SE-BW5A-5-D-E-14-15-221101-02-2.5	Conventionals	TOC	122000 mg/kg	122000J mg/kg	MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	811 µg/kg	811J µg/kg	LCS/LCSD RPD above CL
	PCBs	Aroclor 1260	3950 µg/kg	3950J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-D-E-14-15-221101-04-4.5	Conventionals	TOC	112000 mg/kg	112000J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	181 µg/kg	181J µg/kg	LCS/LCSD RPD above CL
	PCBs	Aroclor 1260	967 µg/kg	967J µg/kg	
SE-BW5A-5-D-E-14-15-221101-2.5-2.95	Conventionals	TOC	147000 mg/kg	147000J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	119 µg/kg	119J µg/kg	LCS/LCSD RPD above CL
SE-BW5A-5-D-E-14-15-221101-4.5-05	Conventionals	TOC	144000 mg/kg	144000J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	610 µg/kg	610J µg/kg	LCS/LCSD RPD above CL
	PCBs	Aroclor 1260	2900 µg/kg	2900J µg/kg	
SE-BW5A-5-E-14-15-221101-00-01	Conventionals	TOC	22600 mg/kg	22600J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1254	745 µg/kg	745J µg/kg	LCS/LCSD RPD above CL
	PCBs	Aroclor 1260	1120 µg/kg	1120J µg/kg	
SE-BW5A-5-E-14-15-221101-01-1.5	Conventionals	TOC	25800 mg/kg	25800J mg/kg	MS/MSD %R below CL; Holding Times
	PCBs	Aroclor 1260	24.8 µg/kg	24.8J µg/kg	LCS/LCSD RPD above CL
SE-BW5A-5-E-14-15-221101-02-2.5	Conventionals	TOC	6680 mg/kg	6680J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-E-14-15-221101-1.5-02	Conventionals	TOC	11800 mg/kg	11800J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-E-14-15-221101-2.5-03	Conventionals	TOC	735 mg/kg	735J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-C-8-9-221028-00-01	PCBs	Aroclor 1254	4250 µg/kg	4250J µg/kg	LCSD %R above CL
		Aroclor 1260	18800 µg/kg	18800J µg/kg	
SE-BW5A-5-C-8-9-221028-01-1.5	PCBs	Aroclor 1254	351 µg/kg	351J µg/kg	LCSD %R above CL
		Aroclor 1260	699 µg/kg	699J µg/kg	
SE-BW5A-5-C-D-10-11-221028-00-01	PCBs	Aroclor 1254	2170 µg/kg	2170J µg/kg	LCSD %R above CL
		Aroclor 1260	7060 µg/kg	7060J µg/kg	
SE-BW5A-5-C-D-10-11-221028-02-2.5	Conventionals	TOC	94400 mg/kg	94400J mg/kg	Holding Times; MSD %R below CL
	PCBs	Aroclor 1254	218 µg/kg	218J µg/kg	LCSD %R above CL
		Aroclor 1260	704 µg/kg	704J µg/kg	LCSD %R above CL; Column Confirmation RPD above CL
SE-BW5A-5-C-D-10-11-221028-03-3.38	Conventionals	TOC	39600 mg/kg	39600J mg/kg	MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-C-D-10-11-221028-04-4.5	Conventionals	TOC	44000 mg/kg	44000J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	89.0 µg/kg	89.0J µg/kg	MS/MSD %R above CL
		Aroclor 1260	247 µg/kg	247J µg/kg	MS/MSD %R above CL; Column Confirmation RPD above CL
SE-BW5A-5-C-D-10-11-221028-2.5-03	Conventionals	TOC	73400 mg/kg	73400J mg/kg	Holding Times; MSD %R below CL
SE-BW5A-5-C-D-10-11-221028-4.5-05	Conventionals	TOC	34300 mg/kg	34300J mg/kg	Holding Times; MSD %R below CL
SE-BW5A-5-C-D-8-9-221028-00-01	Conventionals	TOC	57900 mg/kg	57900J mg/kg	Holding Times; MSD %R below CL
SE-BW5A-5-C-D-8-9-221028-01-1.5	Conventionals	TOC	105000 mg/kg	105000J mg/kg	Holding Times; MSD %R below CL
SE-BW5A-5-C-D-8-9-221028-02-2.5	Conventionals	TOC	56300 mg/kg	56300J mg/kg	Holding Times; MSD %R below CL
SE-BW5A-5-C-D-8-9-221028-03-3.42	Conventionals	TOC	19900 mg/kg	19900J mg/kg	Holding Times; MSD %R below CL
SE-BW5A-5-C-D-8-9-221028-1.5-02	Conventionals	TOC	91500 mg/kg	91500J mg/kg	Holding Times; MSD %R below CL
SE-BW5A-5-C-D-8-9-221028-2.5-03	Conventionals	TOC	19300 mg/kg	19300J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-C-D-9-10-221028-00-01	Conventionals	TOC	75200 mg/kg	75200J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-C-D-9-10-221028-01-1.5	Conventionals	TOC	81800 mg/kg	81800J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-C-D-9-10-221028-02-2.31	Conventionals	TOC	22500 mg/kg	22500J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-C-D-9-10-221028-1.5-02	Conventionals	TOC	44600 mg/kg	44600J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-D-9-10-221028-00-01	Conventionals	TOC	14600 mg/kg	14600J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-D-9-10-221028-01-1.5	Conventionals	TOC	930 mg/kg	930J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-D-9-10-221028-1.5-02	Conventionals	TOC	380 mg/kg	380J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-D-E-10-11-221028-00-01	Conventionals	TOC	9070 mg/kg	9070J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-D-E-10-11-221028-01-1.5	Conventionals	TOC	4350 mg/kg	4350J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-D-E-10-11-221028-02-2.33	Conventionals	TOC	99200 mg/kg	99200J mg/kg	MS %R below CL; Holding Times
SE-BW5A-5-D-E-10-11-221028-1.5-02	Conventionals	TOC	69900 mg/kg	69900J mg/kg	MS %R below CL; Holding Times

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-D-11-12-221031-00-0.9	Conventionals	TOC	110000 mg/kg	110000J mg/kg	Holding Times
SE-BW5A-5-D-11-12-221031-02-2.5	Conventionals	TOC	137000 mg/kg	137000J mg/kg	Holding Times
	PCBs	Aroclor 1254	305 µg/kg	305J µg/kg	Surrogate %R above CL
		Aroclor 1260	555 µg/kg	555J µg/kg	
SE-BW5A-5-D-11-12-221031-03-3.5	Conventionals	TOC	48400 mg/kg	48400J mg/kg	Holding Times
SE-BW5A-5-D-11-12-221031-04-4.5	Conventionals	TOC	105000 mg/kg	105000J mg/kg	Holding Times
SE-BW5A-5-D-11-12-221031-2.5-03	Conventionals	TOC	125000 mg/kg	125000J mg/kg	Holding Times
SE-BW5A-5-D-11-12-221031-3.5-3.8	Conventionals	TOC	60200 mg/kg	60200J mg/kg	Holding Times
	PCBs	Aroclor 1260	512 µg/kg	512J µg/kg	LCS %R above CL; Surrogate %R above CL
SE-BW5A-5-D-11-12-221031-4.5-05	Conventionals	TOC	54200 mg/kg	54200J mg/kg	Holding Times
SE-BW5A-5-D-E-11-12-221031-00-01	Conventionals	TOC	37800 mg/kg	37800J mg/kg	Holding Times
	PCBs	Aroclor 1254	1700 µg/kg	1700J µg/kg	FD RPD above CL
		Aroclor 1260	4660 µg/kg	4660J µg/kg	
SE-BW5A-5-D-E-11-12-221031-01-1.5	Conventionals	TOC	73600 mg/kg	73600J mg/kg	Holding Times
	PCBs	Aroclor 1260	189 µg/kg	189J µg/kg	Column Confirmation RPD above CL
SE-BW5A-5-D-E-11-12-221031-02-2.5	Conventionals	TOC	95200 mg/kg	95200J mg/kg	Holding Times
SE-BW5A-5-D-E-11-12-221031-1.5-02	Conventionals	TOC	102000 mg/kg	102000J mg/kg	Holding Times
SE-BW5A-5-D-E-11-12-221031-2.5-2.9	Conventionals	TOC	44900 mg/kg	44900J mg/kg	Holding Times
SE-BW5A-5-D-E-11-12-BD0001	Conventionals	TOC	30800 mg/kg	30800J mg/kg	Holding Times
	PCBs	Aroclor 1254	633 µg/kg	633J µg/kg	FD RPD above CL
		Aroclor 1260	1430 µg/kg	1430J µg/kg	
SE-BW5A-5-D-E-12-13-221031-00-01	Conventionals	TOC	125000 mg/kg	125000J mg/kg	Holding Times
SE-BW5A-5-D-E-12-13-221031-01-1.5	Conventionals	TOC	100000 mg/kg	100000J mg/kg	Holding Times
SE-BW5A-5-D-E-12-13-221031-02-2.5	Conventionals	TOC	46900 mg/kg	46900J mg/kg	Holding Times
SE-BW5A-5-D-E-12-13-221031-1.5-02	Conventionals	TOC	85300 mg/kg	85300J mg/kg	Holding Times
	PCBs	Aroclor 1260	59100 µg/kg	59100J µg/kg	LCS %R above CL
SE-BW5A-5-D-E-12-13-221031-2.5-2.87	Conventionals	TOC	53500 mg/kg	53500J mg/kg	Holding Times

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-E-12-13-221031-00-01	Conventionals	TOC	21200 mg/kg	21200J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1254	158 µg/kg	158J µg/kg	Surrogate %R above CL
		Aroclor 1260	706 µg/kg	706J µg/kg	
SE-BW5A-5-E-12-13-221031-01-1.33	Conventionals	TOC	41000 mg/kg	41000J mg/kg	Holding Times; MSD %R above CL
SE-BW5A-5-E-12-13-221031-02-2.5	Conventionals	TOC	14200 mg/kg	14200J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1254	266 µg/kg	266J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	717 µg/kg	717J µg/kg	
SE-BW5A-5-E-12-13-221031-03-3.45	Conventionals	TOC	1610 mg/kg	1610J mg/kg	Holding Times; MSD %R above CL
SE-BW5A-5-E-12-13-221031-04-4.5	Conventionals	TOC	5620 mg/kg	5620J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1254	283 µg/kg	283J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	647 µg/kg	647J µg/kg	
SE-BW5A-5-E-12-13-221031-2.5-03	Conventionals	TOC	2480 mg/kg	2480J mg/kg	Holding Times; MSD %R above CL
SE-BW5A-5-E-12-13-221031-4.5-05	Conventionals	TOC	1300 mg/kg	1300J mg/kg	Holding Times; MSD %R above CL
SE-BW5A-5-E-13-14-221031-00-01	Conventionals	TOC	26000 mg/kg	26000J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1254	303 µg/kg	303J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	1890 µg/kg	1890J µg/kg	
SE-BW5A-5-E-13-14-221031-01-1.2	Conventionals	TOC	3880 mg/kg	3880J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1260	25.3 µg/kg	25.3J µg/kg	LCS/LCSD %R above CL
SE-BW5A-5-E-13-14-221031-04-4.5	Conventionals	TOC	22400 mg/kg	22400J mg/kg	Holding Times; MSD %R above CL
	PCBs	Aroclor 1254	191 µg/kg	191J µg/kg	FD RPD above CL; LCS/LCSD %R above CL
		Aroclor 1260	288 µg/kg	288J µg/kg	
SE-BW5A-5-E-13-14-221031-4.5-05	Conventionals	TOC	5170 mg/kg	5170J mg/kg	Holding Times; MSD %R below CL
SE-BW5A-5-E-13-14-BD0001	Conventionals	TOC	21700 mg/kg	21700J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	66.2 µg/kg	66.2J µg/kg	FD RPD above CL; LCS/LCSD %R above CL
		Aroclor 1260	132 µg/kg	132J µg/kg	
RB-E-166-30-221031-00-01	PCBs	Aroclor 1254	1410 µg/kg	1410J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	5740 µg/kg	5740J µg/kg	
RB-E-166-83-221031-00-01	PCBs	Aroclor 1254	3360 µg/kg	3360J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	17500 µg/kg	17500J µg/kg	
RB-E-167-29-221031-00-01	PCBs	Aroclor 1254	3710 µg/kg	3710J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	17400 µg/kg	17400J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-167-99-221031-00-01	PCBs	Aroclor 1254	1570 µg/kg	1570J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	6950 µg/kg	6950J µg/kg	
RB-E-168-46-221031-00-01	PCBs	Aroclor 1254	2690 µg/kg	2690J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	11400 µg/kg	11400J µg/kg	
RB-E-168-95-221031-00-01	PCBs	Aroclor 1254	3100 µg/kg	3100J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	14600 µg/kg	14600J µg/kg	
RB-E-169-48-221031-00-01	PCBs	Aroclor 1254	3420 µg/kg	3420J µg/kg	LCS/LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	12400 µg/kg	12400J µg/kg	
RB-E-169-80-221031-00-01	PCBs	Aroclor 1254	2330 µg/kg	2330J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	10100 µg/kg	10100J µg/kg	
RB-E-170-26-221031-00-01	PCBs	Aroclor 1254	2080 µg/kg	2080J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	11400 µg/kg	11400J µg/kg	
RB-E-170-71-221031-00-01	PCBs	Aroclor 1254	1940 µg/kg	1940J µg/kg	LCS/LCSD %R above CL
		Aroclor 1260	7950 µg/kg	7950J µg/kg	
RB-E-171-67-221031-00-01	PCBs	Aroclor 1254	2700 µg/kg	2700J µg/kg	Surrogate %R above CL
		Aroclor 1260	10400 µg/kg	10400J µg/kg	
RB-E-172-11-221031-00-01	PCBs	Aroclor 1254	3230 µg/kg	3230J µg/kg	Surrogate %R above CL
		Aroclor 1260	11800 µg/kg	11800J µg/kg	
RB-E-172-89-221031-00-01	PCBs	Aroclor 1254	3480 µg/kg	3480J µg/kg	Surrogate %R above CL
		Aroclor 1260	13600 µg/kg	13600J µg/kg	
RB-E-173-20-221031-00-01	PCBs	Aroclor 1254	1320 µg/kg	1320J µg/kg	Surrogate %R above CL
		Aroclor 1260	4400 µg/kg	4400J µg/kg	
RB-W-191-21-221031-00-01	PCBs	Aroclor 1254	2830 µg/kg	2830J µg/kg	Surrogate %R above CL
		Aroclor 1260	11300 µg/kg	11300J µg/kg	
RB-W-192-33-221031-00-01	PCBs	Aroclor 1254	3200 µg/kg	3200J µg/kg	Surrogate %R above CL
		Aroclor 1260	11600 µg/kg	11600J µg/kg	
RB-W-197-36-221031-00-01	PCBs	Aroclor 1254	2070 µg/kg	2070J µg/kg	Surrogate %R above CL
RB-W-197-96-221031-00-01	PCBs	Aroclor 1254	2020 µg/kg	2020J µg/kg	Surrogate %R above CL
RB-W-198-47-221031-00-01	PCBs	Aroclor 1254	4270 µg/kg	4270J µg/kg	Surrogate %R above CL
RB-W-199-04-221031-00-01	PCBs	Aroclor 1254	1920 µg/kg	1920J µg/kg	FD RPD above CL; Surrogate %R above CL
RB-W-199-04-BD0001	PCBs	Aroclor 1254	3220 µg/kg	3220J µg/kg	FD RPD above CL; Surrogate %R above CL
		Aroclor 1260	12400 µg/kg	12400J µg/kg	Surrogate %R above CL
RB-W-199-59-221031-00-01	PCBs	Aroclor 1254	2300 µg/kg	2300J µg/kg	Surrogate %R above CL
		Aroclor 1260	8790 µg/kg	8790J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-200-08-221031-00-01	PCBs	Aroclor 1254	2970 µg/kg	2970J µg/kg	Surrogate %R above CL
		Aroclor 1260	11400 µg/kg	11400J µg/kg	
RB-W-204-22-221031-00-01	PCBs	Aroclor 1254	2330 µg/kg	2330J µg/kg	Surrogate %R above CL
		Aroclor 1260	10400 µg/kg	10400J µg/kg	
RB-W-205-15-221031-00-01	PCBs	Aroclor 1254	1340 µg/kg	1340J µg/kg	Surrogate %R above CL
RB-E-176-59-221027-00-01	PCBs	Aroclor 1254	2500 µg/kg	2500J µg/kg	Surrogate %R above CL
		Aroclor 1260	10400 µg/kg	10400J µg/kg	
RB-E-177-61-221027-00-01	PCBs	Aroclor 1254	4710 µg/kg	4710J µg/kg	Surrogate %R above CL
RB-E-179-65-221027-00-01	PCBs	Aroclor 1254	1910 µg/kg	1910J µg/kg	Surrogate %R above CL
		Aroclor 1260	6770 µg/kg	6770J µg/kg	
RB-E-180-14-221027-00-01	PCBs	Aroclor 1254	2220 µg/kg	2220J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	12600 µg/kg	12600J µg/kg	
RB-E-180-58-221027-00-01	PCBs	Aroclor 1254	1950 µg/kg	1950J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	10400 µg/kg	10400J µg/kg	
RB-E-181-07-221027-00-01	PCBs	Aroclor 1254	6120 µg/kg	6120J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	21600 µg/kg	21600J µg/kg	
RB-E-181-60-221027-00-01	PCBs	Aroclor 1254	2410 µg/kg	2410J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	12200 µg/kg	12200J µg/kg	
RB-E-182-02-221027-00-01	PCBs	Aroclor 1254	2470 µg/kg	2470J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	11300 µg/kg	11300J µg/kg	
RB-E-182-36-221027-00-01	PCBs	Aroclor 1254	1910 µg/kg	1910J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	8860 µg/kg	8860J µg/kg	
RB-E-183-98-221027-00-01	PCBs	Aroclor 1254	1080 µg/kg	1080J µg/kg	LCS %R above CL
		Aroclor 1260	5460 µg/kg	5460J µg/kg	
RB-E-184-53-221027-00-01	PCBs	Aroclor 1254	5830 µg/kg	5830J µg/kg	LCS %R above CL
		Aroclor 1260	27400 µg/kg	27400J µg/kg	
RB-E-185-09-221027-00-01	PCBs	Aroclor 1254	1270 µg/kg	1270J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	7940 µg/kg	7940J µg/kg	
RB-E-185-69-221027-00-01	PCBs	Aroclor 1254	2130 µg/kg	2130J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	10500 µg/kg	10500J µg/kg	
RB-E-186-22-221027-00-01	PCBs	Aroclor 1254	1900 µg/kg	1900J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	7880 µg/kg	7880J µg/kg	
RB-E-186-83-221027-00-01	PCBs	Aroclor 1254	5190 µg/kg	5190J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	16400 µg/kg	16400J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-187-92-221027-00-01	PCBs	Aroclor 1254	2490 µg/kg	2490J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	10300 µg/kg	10300J µg/kg	
RB-E-189-81-221027-00-01	PCBs	Aroclor 1254	2210 µg/kg	2210J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	11200 µg/kg	11200J µg/kg	
RB-E-190-41-221027-00-01	PCBs	Aroclor 1254	1370 µg/kg	1370J µg/kg	LCS %R above CL
		Aroclor 1260	8000 µg/kg	8000J µg/kg	
RB-E-190-41-BD0001	PCBs	Aroclor 1254	1510 µg/kg	1510J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	11200 µg/kg	11200J µg/kg	
RB-E-190-98-221027-00-01	PCBs	Aroclor 1254	388 µg/kg	388J µg/kg	LCS %R above CL
		Aroclor 1260	2690 µg/kg	2690J µg/kg	

Notes:
%R: percent recovery
CL: control limit

References

- Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.
- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.
- EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-152-39-221028-00-01	JD55008-1	JD55008	Soil	PCBs, TOC, GS, MC
RB-E-152-86-221028-00-01	JD55008-2	JD55008	Soil	PCBs, TS
RB-E-153-36-221028-00-01	JD55008-3	JD55008	Soil	PCBs, TS
RB-E-153-85-221028-00-01	JD55008-4	JD55008	Soil	PCBs, TS
RB-E-153-85-BD0001	JD55008-5	JD55008	Soil	PCBs, TS
RB-E-154-36-221028-00-01	JD55008-6	JD55008	Soil	PCBs, TS
RB-E-154-87-221028-00-01	JD55008-7	JD55008	Soil	PCBs, TS
RB-E-155-30-221028-00-01	JD55008-8	JD55008	Soil	PCBs, TS
RB-E-155-90-221028-00-01	JD55008-9	JD55008	Soil	PCBs, TS
RB-E-156-37-221028-00-01	JD55008-10	JD55008	Soil	PCBs, TS
RB-E-156-84-221028-00-01	JD55008-11	JD55008	Soil	PCBs, TS
RB-E-157-20-221028-00-01	JD55008-12	JD55008	Soil	PCBs, TS
RB-E-157-64-221028-00-01	JD55008-13	JD55008	Soil	PCBs, TS
RB-E-157-95-221028-00-01	JD55008-14	JD55008	Soil	PCBs, TS
RB-E-158-29-221028-00-01	JD55008-15	JD55008	Soil	PCBs, TS
RB-E-158-69-221028-00-01	JD55008-16	JD55008	Soil	PCBs, TOC, GS, MC
RB-E-159-07-221028-00-01	JD55008-17	JD55008	Soil	PCBs, TS
RB-E-159-55-221028-00-01	JD55008-18	JD55008	Soil	PCBs, TS
RB-E-160-12-221028-00-01	JD55008-19	JD55008	Soil	PCBs, TS
RB-E-160-60-221028-00-01	JD55008-20	JD55008	Soil	PCBs, TS
RB-E-161-04-221028-00-01	JD55008-21	JD55008	Soil	PCBs, TS
RB-E-161-87-221028-00-01	JD55008-22	JD55008	Soil	PCBs, TS
RB-E-162-36-221028-00-01	JD55008-23	JD55008	Soil	PCBs, TS
RB-E-162-84-221028-00-01	JD55008-24	JD55008	Soil	PCBs, TS
RB-W-207-07-221028-00-01	JD55008-25	JD55008	Soil	PCBs, TS
RB-W-207-72-221028-00-01	JD55008-26	JD55008	Soil	PCBs, TS
RB-W-208-20-221028-00-01	JD55008-27	JD55008	Soil	PCBs, TS
RB-W-208-69-221028-00-01	JD55008-28	JD55008	Soil	PCBs, TS
RB-W-209-16-221028-00-01	JD55008-29	JD55008	Soil	PCBs, TS
RB-W-209-64-221028-00-01	JD55008-30	JD55008	Soil	PCBs, TS
RB-W-210-08-221028-00-01	JD55008-31	JD55008	Soil	PCBs, TS
RB-W-210-56-221028-00-01	JD55008-32	JD55008	Soil	PCBs, TS
RB-W-210-98-221028-00-01	JD55008-33	JD55008	Soil	PCBs, TS
RB-W-211-48-221028-00-01	JD55008-34	JD55008	Soil	PCBs, TS, GS, MC, SG, Density
RB-W-211-88-221028-00-01	JD55008-35	JD55008	Soil	PCBs, TS
RB-W-212-37-221028-00-01	JD55008-36	JD55008	Soil	PCBs, TS
RB-W-212-85-221028-00-01	JD55008-37	JD55008	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2210281511	JD55008-38	JD55008	Water	PCBs
RB-W-213-84-221028-00-01	JD55008-39	JD55008	Soil	PCBs, TS
RB-W-214-33-221028-00-01	JD55008-40	JD55008	Soil	PCBs, TS
RB-2210281509	JD55008-41	JD55008	Water	PCBs
RB-W-214-83-221028-00-01	JD55008-42	JD55008	Soil	PCBs, TS
RB-W-215-32-221028-00-01	JD55008-43	JD55008	Soil	PCBs, TOC, GS, MC
RB-W-215-76-221028-00-01	JD55008-44	JD55008	Soil	PCBs, TS
RB-W-216-18-221028-00-01	JD55008-45	JD55008	Soil	PCBs, TS
RB-W-216-18-BD0001	JD55008-46	JD55008	Soil	PCBs, TS
SE-BW5A-5-D-E-15-16-221102-00-0.9	JD55009-1	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-15-16-221102-02-2.5	JD55009-2	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-15-16-221102-03-3.4	JD55009-3	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-15-16-221102-2.5-03	JD55009-4	JD55009	Sediment	PCBs, TOC, TS
RB-2211021502	JD55009-5	JD55009	Water	PCBs, TOC
SE-BW5A-5-E-15-16-221102-00-01	JD55009-6	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-15-16-221102-02-2.5	JD55009-7	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-15-16-221102-03-3.5	JD55009-8	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-15-16-221102-04-4.5	JD55009-9	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-15-16-221102-2.5-03	JD55009-10	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-15-16-221102-4.5-05	JD55009-11	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-15-16-BD0001	JD55009-12	JD55009	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-15-16-G-221102-00-1.5	JD55009-13	JD55009	Sediment	GS, MC
SE-BW5A-5-E-15-16-G-221102-1.5-03	JD55009-14	JD55009	Sediment	GS, MC
SE-BW5A-5-D-E-13-14-221101-00-01	JD55010-1	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-13-14-221101-01-1.1	JD55010-2	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-13-14-221101-02-2.5	JD55010-3	JD55010	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-5-D-E-13-14-221101-04-4.5	JD55010-4	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-13-14-221101-2.5-03	JD55010-5	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-13-14-221101-4.5-05	JD55010-6	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-14-15-221101-00-0.8	JD55010-7	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-14-15-221101-02-2.5	JD55010-8	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-14-15-221101-04-4.5	JD55010-9	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-14-15-221101-2.5-2.95	JD55010-10	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-14-15-221101-4.5-05	JD55010-11	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-14-15-221101-00-01	JD55010-12	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-14-15-221101-01-1.5	JD55010-13	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-14-15-221101-02-2.5	JD55010-14	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-14-15-221101-1.5-02	JD55010-15	JD55010	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-14-15-221101-2.5-03	JD55010-16	JD55010	Sediment	PCBs, TOC, TS
RB-2210281551	JD55016-1	JD55016	Water	PCBs, TOC
SE-BW5A-5-C-8-9-221028-00-01	JD55016-2	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-8-9-221028-01-1.5	JD55016-3	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-8-9-221028-02-2.5	JD55016-4	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-8-9-221028-03-3.5	JD55016-5	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-8-9-221028-1.5-02	JD55016-6	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-8-9-221028-2.5-03	JD55016-7	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-8-9-221028-3.5-3.8	JD55016-8	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-8-9-BD0001	JD55016-9	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-10-11-221028-00-01	JD55016-10	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-10-11-221028-02-2.5	JD55016-11	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-10-11-221028-03-3.38	JD55016-12	JD55016	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-5-C-D-10-11-221028-04-4.5	JD55016-13	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-10-11-221028-2.5-03	JD55016-14	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-10-11-221028-4.5-05	JD55016-15	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-10-11G-221028-00-2.56	JD55016-16	JD55016	Sediment	GS, MC, Density
SE-BW5A-5-C-D-8-9-221028-00-01	JD55016-17	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-8-9-221028-01-1.5	JD55016-18	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-8-9-221028-02-2.5	JD55016-19	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-8-9-221028-03-3.42	JD55016-20	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-8-9-221028-1.5-02	JD55016-21	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-8-9-221028-2.5-03	JD55016-22	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-8-9G-221028-00-3.42	JD55016-23	JD55016	Sediment	GS, MC
SE-BW5A-5-C-D-9-10-221028-00-01	JD55016-24	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-9-10-221028-01-1.5	JD55016-25	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-9-10-221028-02-2.31	JD55016-26	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-9-10-221028-1.5-02	JD55016-27	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-9-10-221028-00-01	JD55016-28	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-9-10-221028-01-1.5	JD55016-29	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-9-10-221028-1.5-02	JD55016-30	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-10-11-221028-00-01	JD55016-31	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-10-11-221028-01-1.5	JD55016-32	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-10-11-221028-02-2.33	JD55016-33	JD55016	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-10-11-221028-1.5-02	JD55016-34	JD55016	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-5-D-11-12-221031-00-0.9	JD55021-1	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-11-12-221031-02-2.5	JD55021-2	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-11-12-221031-03-3.5	JD55021-3	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-11-12-221031-04-4.5	JD55021-4	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-11-12-221031-2.5-03	JD55021-5	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-11-12-221031-3.5-3.8	JD55021-6	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-11-12-221031-4.5-05	JD55021-7	JD55021	Sediment	PCBs, TOC, TS
RB-2210311527	JD55021-8	JD55021	Water	PCBs, TOC
SE-BW5A-5-D-E-11-12-221031-00-01	JD55021-9	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-11-12-221031-01-1.5	JD55021-10	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-11-12-221031-02-2.5	JD55021-11	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-11-12-221031-1.5-02	JD55021-12	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-11-12-221031-2.5-2.9	JD55021-13	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-11-12-BD0001	JD55021-14	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-12-13-221031-00-01	JD55021-15	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-12-13-221031-01-1.5	JD55021-16	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-12-13-221031-02-2.5	JD55021-17	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-12-13-221031-1.5-02	JD55021-18	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-12-13-221031-2.5-2.87	JD55021-19	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-12-13-221031-00-01	JD55021-20	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-12-13-221031-01-1.33	JD55021-21	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-12-13-221031-02-2.5	JD55021-22	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-12-13-221031-03-3.45	JD55021-23	JD55021	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-5-E-12-13-221031-04-4.5	JD55021-24	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-12-13-221031-2.5-03	JD55021-25	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-12-13-221031-4.5-05	JD55021-26	JD55021	Sediment	PCBs, TOC, TS
RB-2210311651	JD55021-27	JD55021	Water	PCBs, TOC
SE-BW5A-5-E-13-14-221031-00-01	JD55021-28	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-13-14-221031-01-1.2	JD55021-29	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-13-14-221031-04-4.5	JD55021-30	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-13-14-221031-4.5-05	JD55021-31	JD55021	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-13-14-BD0001	JD55021-32	JD55021	Sediment	PCBs, TOC, TS
RB-E-166-30-221031-00-01	JD55029-1	JD55029	Soil	PCBs, TS
RB-E-166-83-221031-00-01	JD55029-2	JD55029	Soil	PCBs, TS
RB-E-167-29-221031-00-01	JD55029-3	JD55029	Soil	PCBs, TS
RB-E-167-99-221031-00-01	JD55029-4	JD55029	Soil	PCBs, TS
RB-E-168-46-221031-00-01	JD55029-5	JD55029	Soil	PCBs, TS
RB-E-168-95-221031-00-01	JD55029-6	JD55029	Soil	PCBs, TS
RB-E-169-48-221031-00-01	JD55029-7	JD55029	Soil	PCBs, TS
RB-E-169-80-221031-00-01	JD55029-8	JD55029	Soil	PCBs, TS
RB-E-170-26-221031-00-01	JD55029-9	JD55029	Soil	PCBs, TS
RB-E-170-71-221031-00-01	JD55029-10	JD55029	Soil	PCBs, TS
RB-E-171-14-221031-00-01	JD55029-11	JD55029	Soil	PCBs, TOC, GS, MC
RB-E-171-67-221031-00-01	JD55029-12	JD55029	Soil	PCBs, TS
RB-E-172-11-221031-00-01	JD55029-13	JD55029	Soil	PCBs, TS
RB-E-172-57-221031-00-01	JD55029-14	JD55029	Soil	PCBs, TS
RB-E-172-89-221031-00-01	JD55029-15	JD55029	Soil	PCBs, TS
RB-E-173-20-221031-00-01	JD55029-16	JD55029	Soil	PCBs, TS
RB-E-173-20-BD0001	JD55029-17	JD55029	Soil	PCBs, TS
RB-E-173-49-221031-00-01	JD55029-18	JD55029	Soil	PCBs, TS
RB-E-174-00-221031-00-01	JD55029-19	JD55029	Soil	PCBs, TS
RB-E-174-54-221031-00-01	JD55029-20	JD55029	Soil	PCBs, TS
RB-E-175-12-221031-00-01	JD55029-21	JD55029	Soil	PCBs, TS
RB-E-175-59-221031-00-01	JD55029-22	JD55029	Soil	PCBs, TS
RB-E-176-10-221031-00-01	JD55029-23	JD55029	Soil	PCBs, TOC, GS, MC
RB-W-185-22-221031-00-01	JD55029-24	JD55029	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-185-45-221031-00-01	JD55029-25	JD55029	Soil	PCBs, TS
RB-W-186-15-221031-00-01	JD55029-26	JD55029	Soil	PCBs, TS
RB-W-186-58-221031-00-01	JD55029-27	JD55029	Soil	PCBs, TS
RB-W-189-57-221031-00-01	JD55029-28	JD55029	Soil	PCBs, TS
RB-W-191-21-221031-00-01	JD55029-29	JD55029	Soil	PCBs, TS
RB-W-191-83-221031-00-01	JD55029-30	JD55029	Soil	PCBs, TS
RB-2210311424	JD55029-31	JD55029	Water	PCBs
RB-W-192-33-221031-00-01	JD55029-32	JD55029	Soil	PCBs, TS
RB-W-192-83-221031-00-01	JD55029-33	JD55029	Soil	PCBs, TOC, GS, MC
RB-W-193-24-221031-00-01	JD55029-34	JD55029	Soil	PCBs, TS
RB-W-197-36-221031-00-01	JD55029-35	JD55029	Soil	PCBs, TS
RB-W-197-96-221031-00-01	JD55029-36	JD55029	Soil	PCBs, TS
RB-W-198-47-221031-00-01	JD55029-37	JD55029	Soil	PCBs, TS
RB-W-199-04-221031-00-01	JD55029-38	JD55029	Soil	PCBs, TS
RB-W-199-04-BD0001	JD55029-39	JD55029	Soil	PCBs, TS
RB-W-199-59-221031-00-01	JD55029-40	JD55029	Soil	PCBs, TS
RB-2210311418	JD55029-41	JD55029	Water	PCBs
RB-W-200-08-221031-00-01	JD55029-42	JD55029	Soil	PCBs, TS
RB-W-203-60-221031-00-01	JD55029-43	JD55029	Soil	PCBs, TS
RB-W-204-22-221031-00-01	JD55029-44	JD55029	Soil	PCBs, TS
RB-W-205-15-221031-00-01	JD55029-45	JD55029	Soil	PCBs, TOC, GS, MC
RB-E-176-59-221027-00-01	JD55035-1	JD55035	Soil	PCBs, TS
RB-E-177-07-221027-00-01	JD55035-2	JD55035	Soil	PCBs, TS
RB-E-177-61-221027-00-01	JD55035-3	JD55035	Soil	PCBs, TOC, GS, MC
RB-E-178-18-221027-00-01	JD55035-4	JD55035	Soil	PCBs, TS
RB-2210271139	JD55035-5	JD55035	Water	PCBs
RB-E-178-65-221027-00-01	JD55035-6	JD55035	Soil	PCBs, TS
RB-E-179-16-221027-00-01	JD55035-7	JD55035	Soil	PCBs, TS
RB-E-179-65-221027-00-01	JD55035-8	JD55035	Soil	PCBs, TS
RB-E-180-14-221027-00-01	JD55035-9	JD55035	Soil	PCBs, TS
RB-E-180-58-221027-00-01	JD55035-10	JD55035	Soil	PCBs, TOC, GS, MC
RB-E-181-07-221027-00-01	JD55035-11	JD55035	Soil	PCBs, TS
RB-E-181-60-221027-00-01	JD55035-12	JD55035	Soil	PCBs, TS
RB-E-182-02-221027-00-01	JD55035-13	JD55035	Soil	PCBs, TS
RB-E-182-36-221027-00-01	JD55035-14	JD55035	Soil	PCBs, TOC, GS, MC
RB-E-183-98-221027-00-01	JD55035-15	JD55035	Soil	PCBs, TS
RB-E-184-53-221027-00-01	JD55035-16	JD55035	Soil	PCBs, TS
RB-E-185-09-221027-00-01	JD55035-17	JD55035	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-185-69-221027-00-01	JD55035-18	JD55035	Soil	PCBs, TS
RB-E-186-22-221027-00-01	JD55035-19	JD55035	Soil	PCBs, TS
RB-E-186-83-221027-00-01	JD55035-20	JD55035	Soil	PCBs, TS
RB-E-187-92-221027-00-01	JD55035-21	JD55035	Soil	PCBs, TS
RB-2210271125	JD55035-22	JD55035	Water	PCBs
RB-E-189-81-221027-00-01	JD55035-23	JD55035	Soil	PCBs, TS
RB-E-190-41-221027-00-01	JD55035-24	JD55035	Soil	PCBs, TS
RB-E-190-41-BD0001	JD55035-25	JD55035	Soil	PCBs, TS
RB-E-190-98-221027-00-01	JD55035-26	JD55035	Soil	PCBs, TS

Data Validation Report – EPA Stage 2A

May 19, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0083

This report summarizes the review of analytical results for 133 soil samples, 44 sediment samples, 9 field duplicate samples, and 8 equipment rinsate blanks collected in October and November 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Specific gravity (SG) by ASTM D1429
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Six SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times with the following exceptions:

- Fifteen samples were analyzed outside of the 28-day holding time for TOC. The samples were qualified "J" to indicate they are estimated.
- Twenty-four samples were analyzed outside of the 40-day holding time for PCBs. The samples were qualified "J" to indicate they are estimated.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Eight equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and two were analyzed for TOC. All results were below detection.

Field Duplicates

Nine field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

The PCBs analysis could not be performed on sample SE-BW5A-5-D-E-16-17-BD0001 due to a misplaced container.

Table 1
Field Duplicate Summary

Analyte	RB-E-136-38- 221103-00-01	RB-E-136-38- BD0001	RPD
Total solids	76.3%	76.1%	0%
Aroclor 1254	2110 µg/kg	2300 µg/kg	9%
Aroclor 1260	9910 µg/kg	10600 µg/kg	7%

Analyte	RB-W-153-42- 221103-00-01	RB-W-153-42- BD0001	RPD
Total solids	61.3%	61.6%	0%
Aroclor 1254	5720 µg/kg	3850 µg/kg	39%
Aroclor 1260	28000 µg/kg	16400 µg/kg	52%

Analyte	RB-W-165-18- 221103-00-01	RB-W-165-18- BD0001	RPD
Total solids	52%	52%	0%
Aroclor 1254	852 µg/kg	1350 µg/kg	45%
Aroclor 1260	2870 µg/kg	4590 µg/kg	46%

Analyte	RB-E-121-50- 221107-00-01	RB-E-121-50- BD0001	RPD
Total solids	75.4%	70.9%	6%
Aroclor 1254	1170 µg/kg	895 µg/kg	27%
Aroclor 1260	5340 µg/kg	3900 µg/kg	31%

Analyte	RB-W-139-96- 221107-00-01	RB-W-139-96- BD0001	RPD
Total solids	66.8%	68.1%	2%
Aroclor 1254	2390 µg/kg	2640 µg/kg	10%
Aroclor 1260	6780 µg/kg	7710 µg/kg	13%

Analyte	RB-E-131-98-221104-00-01	RB-E-131-98-BD0001	RPD
Total solids	68.8%	70.1%	2%
Aroclor 1254	1520 µg/kg	3960 µg/kg	89%
Aroclor 1260	12000 µg/kg	19700 µg/kg	49%

Analyte	RB-W-145-86-221104-00-01	RB-W-145-86-BD0001	RPD
Total solids	71.4%	56.7%	23%
Aroclor 1254	1260 µg/kg	636 µg/kg	66%
Aroclor 1260	4850 µg/kg	2360 µg/kg	69%

Analyte	SE-BW5A-5-D-E-16-17-221103-00-01	SE-BW5A-5-D-E-16-17-BD0001	RPD
TOC	75600 mg/kg	68500 mg/kg	10%
Total solids	40.3%	38.7%	4%

Analyte	SE-BW5A-5-A-B-20-221107-00-01	SE-BW5A-5-A-B-20-BD0001	RPD
TOC	8290 mg/kg	9660 mg/kg	15%
Total solids	58.5%	61.5%	5%

Notes:

µg/kg: microgram per kilogram

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD55411

- Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TMX) recovered below 10% in the analysis of sample RB-W-153-90-221103-00-01. The detected results have been qualified “J” to indicate a low bias. The not detected results have been rejected due to the surrogate recovery below 10%.
 - DCB and TMX recovered below the control limit in the analysis of sample RB-W-155-38-221103-00-01. The detected results have been qualified “J” and the not detected results have been qualified “UJ” to indicate a low bias.
- SDG JD55412
 - DCB recovered above the control limit in the second column analysis of samples RB-E-120-37-221107-00-01 and RB-E-122-83-221107-00-01. The sample results have been qualified “J” to indicate a high bias.
- SDG JD55413
 - TMX and/or DCB recovered above the control limit in the analysis of sample RB-W-143-70-221104-00-01. The sample results have been qualified “J” to indicate a high bias.
 - DCB recovered above the control limit in the second column analysis of sample RB-E-131-98-BD0001. The Aroclor 1254 result has been qualified “J” to indicate a high bias.
- SDG JD55414
 - TMX and/or DCB recovered above the control limit in the analysis of samples SE-BW5A-5-A-B-19-20-221104-01-1.5, SE-BW5A-5-A-B-19-20-221104-02-2.37, SE-BW5A-5-C-D-19-20-221104-00-01, SE-BW5A-5-C-D-19-20-221104-01-1.5, SE-BW5A-5-C-D-19-20-221104-1.5-02, and SE-BW5A-5-D-18-19-221104-00-01. The sample results have been qualified “J” to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD55412 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples RB-W-137-39-221107-00-01, RB-W-137-67-221107-00-01, RB-W-137-80-221107-00-01, RB-W-139-00-221107-00-01, and RB-W-139-49-221107-00-01. The Aroclor 1254 result has been qualified “J” as estimated.
- SDG JD55413 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples RB-E-123-28-221104-00-01, RB-E-126-39-221104-00-01, RB-E-128-11-221104-00-01, RB-E-130-55-221104-00-01, RB-E-131-02-221104-00-01, RB-E-133-82-221104-00-01, RB-W-141-100-221104-00-01, RB-W-142-47-221104-00-01, and RB-W-143-05-221104-00-01. The Aroclor 1254 results have been qualified “J” as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batch OP43122
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS and/or LCSD. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43125
 - Aroclor 1016 recovered above the control limit in the LCSD and the RPD between the LCS and LCSD recovered above the control limit. All results were not detected, so no data were qualified.
 - The RPD between the LCS and LCSD for Aroclor 1260 recovered above the control limit. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43130
 - Aroclor 1016 recovered above the control limit in the LCSD. All results were not detected, so no data were qualified...

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD55414
 - TOC recovered below the control limit in the MS analyzed on sample SE-BW5A-5-A-B-19-20-221104-01-1.5. Associated batch sample results have been qualified "J".
- SDG JD55415
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-BW5A-5-D-E-16-17-221103-02-2.5 and SE-BW5A-5-E-15-16-221102-02-2.5 (reviewed in a separate validation report). Associated batch sample results have been qualified "J".
- SDG JD55416
 - Aroclor 1016 and 1260 recovered below the control limit in the MS analyzed on sample SE-BW5A-5-A-B-20-221107-01-1.5 and the RPD value was above the control limit. The sample results have been qualified "UJ".

- TOC recovered below the control limit in the MS and MSD analyzed on sample SE-BW5A-5-D-E-21-22-221108-01-1.5 (reviewed in a separate validation report). Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Seven results in one sample were rejected due to low/no recovery. Completeness was greater than 99%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-134-67-221103-00-01	PCBs	Aroclor 1254	3490 µg/kg	3490J µg/kg	LCSD %R above CL
		Aroclor 1260	14800 µg/kg	14800J µg/kg	
	PCBs	Aroclor 1254	573 µg/kg	573J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-135-15-221103-00-01		Aroclor 1260	1190 µg/kg	1190J µg/kg	LCSD %R above CL
RB-E-135-57-221103-00-01	PCBs	Aroclor 1254	2000 µg/kg	2000J µg/kg	LCSD %R above CL
		Aroclor 1260	9610 µg/kg	9610J µg/kg	
RB-E-135-92-221103-00-01	PCBs	Aroclor 1254	2230 µg/kg	2230J µg/kg	LCSD %R above CL
		Aroclor 1260	9690 µg/kg	9690J µg/kg	
RB-E-136-11-221103-00-01	PCBs	Aroclor 1254	1460 µg/kg	1460J µg/kg	LCSD %R above CL
		Aroclor 1260	6280 µg/kg	6280J µg/kg	
RB-E-136-38-221103-00-01	PCBs	Aroclor 1254	2110 µg/kg	2110J µg/kg	LCSD %R above CL
		Aroclor 1260	9910 µg/kg	9910J µg/kg	
RB-E-136-38-BD0001	PCBs	Aroclor 1254	2300 µg/kg	2300J µg/kg	LCSD %R above CL
		Aroclor 1260	10600 µg/kg	10600J µg/kg	
RB-E-136-80-221103-00-01	PCBs	Aroclor 1254	2920 µg/kg	2920J µg/kg	LCSD %R above CL
		Aroclor 1260	13300 µg/kg	13300J µg/kg	
RB-E-137-19-221103-00-01	PCBs	Aroclor 1254	1800 µg/kg	1800J µg/kg	LCSD %R above CL
		Aroclor 1260	8130 µg/kg	8130J µg/kg	
RB-E-138-26-221103-00-01	PCBs	Aroclor 1254	1760 µg/kg	1760J µg/kg	LCSD %R above CL
		Aroclor 1260	3700 µg/kg	3700J µg/kg	
RB-E-138-86-221103-00-01	PCBs	Aroclor 1254	1810 µg/kg	1810J µg/kg	LCSD %R above CL
		Aroclor 1260	7590 µg/kg	7590J µg/kg	
RB-E-139-34-221103-00-01	PCBs	Aroclor 1254	1620 µg/kg	1620J µg/kg	LCSD %R above CL
		Aroclor 1260	6620 µg/kg	6620J µg/kg	
RB-E-139-84-221103-00-01	PCBs	Aroclor 1254	1290 µg/kg	1290J µg/kg	LCSD %R above CL
		Aroclor 1260	5010 µg/kg	5010J µg/kg	
RB-E-140-28-221103-00-01	PCBs	Aroclor 1254	1630 µg/kg	1630J µg/kg	LCSD %R above CL
		Aroclor 1260	6070 µg/kg	6070J µg/kg	
RB-E-140-62-221103-00-01	PCBs	Aroclor 1254	1450 µg/kg	1450J µg/kg	LCSD %R above CL
		Aroclor 1260	6280 µg/kg	6280J µg/kg	
RB-E-141-07-221103-00-01	PCBs	Aroclor 1254	716 µg/kg	716J µg/kg	LCSD %R above CL
		Aroclor 1260	2480 µg/kg	2480J µg/kg	
RB-E-141-24-221103-00-01	PCBs	Aroclor 1254	2010 µg/kg	2010J µg/kg	LCSD %R above CL
		Aroclor 1260	9490 µg/kg	9490J µg/kg	
RB-E-141-65-221103-00-01	PCBs	Aroclor 1254	1740 µg/kg	1740J µg/kg	LCSD %R above CL
		Aroclor 1260	7630 µg/kg	7630J µg/kg	
RB-W-149-42-221103-00-01	PCBs	Aroclor 1254	1710 µg/kg	1710J µg/kg	LCSD %R above CL
		Aroclor 1260	6810 µg/kg	6810J µg/kg	
RB-W-150-85-221103-00-01	PCBs	Aroclor 1254	1150 µg/kg	1150J µg/kg	LCSD %R above CL
		Aroclor 1260	5320 µg/kg	5320J µg/kg	
RB-W-153-42-221103-00-01	PCBs	Aroclor 1260	28000 µg/kg	28000J µg/kg	FD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-153-42-BD0001	PCBs	Aroclor 1260	16400 µg/kg	16400J µg/kg	FD RPD above CL
RB-W-153-90-221103-00-01	PCBs	Aroclor 1016	55U µg/kg	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	197 µg/kg	197J µg/kg	
		Aroclor 1260	366 µg/kg	366J µg/kg	
RB-W-155-38-221103-00-01	PCBs	Aroclor 1016	49U µg/kg	49UJ µg/kg	Surrogate %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	290 µg/kg	290J µg/kg	
		Aroclor 1260	1060 µg/kg	1060J µg/kg	
RB-E-120-37-221107-00-01	PCBs	Aroclor 1254	1130 µg/kg	1130J µg/kg	Surrogate %R above CL
RB-E-122-27-221107-00-01	PCBs	Aroclor 1254	1220 µg/kg	1220J µg/kg	LCS/LCSD RPD above CL
RB-E-122-27-221107-00-01		Aroclor 1260	5750 µg/kg	5750J µg/kg	
RB-E-122-43-221107-00-01	PCBs	Aroclor 1254	435 µg/kg	435J µg/kg	LCS/LCSD RPD above CL
RB-E-122-43-221107-00-01		Aroclor 1260	2010 µg/kg	2010J µg/kg	
RB-E-122-63-221107-00-01	PCBs	Aroclor 1254	1020 µg/kg	1020J µg/kg	LCS/LCSD RPD above CL
RB-E-122-63-221107-00-01		Aroclor 1260	5070 µg/kg	5070J µg/kg	
RB-E-122-83-221107-00-01	PCBs	Aroclor 1254	2120 µg/kg	2120J µg/kg	Surrogate %R above CL; LCS/LCSD RPD above CL
RB-E-122-83-221107-00-01		Aroclor 1260	9850 µg/kg	9850J µg/kg	LCS/LCSD RPD above CL
RB-E-123-08-221107-00-01	PCBs	Aroclor 1254	1690 µg/kg	1690J µg/kg	LCS/LCSD RPD above CL
RB-E-123-08-221107-00-01		Aroclor 1260	7670 µg/kg	7670J µg/kg	
RB-E-123-48-221107-00-01	PCBs	Aroclor 1254	744 µg/kg	744J µg/kg	LCS/LCSD RPD above CL
RB-E-123-48-221107-00-01		Aroclor 1260	4500 µg/kg	4500J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-130-48-221107-00-01	PCBs	Aroclor 1254	746 µg/kg	746J µg/kg	LCS/LCSD RPD above CL
RB-W-130-48-221107-00-01		Aroclor 1260	2530 µg/kg	2530J µg/kg	
RB-W-131-01-221107-00-01	PCBs	Aroclor 1254	1310 µg/kg	1310J µg/kg	LCS/LCSD RPD above CL
RB-W-131-01-221107-00-01		Aroclor 1260	5070 µg/kg	5070J µg/kg	
RB-W-131-52-221107-00-01	PCBs	Aroclor 1254	5580 µg/kg	5580J µg/kg	LCS/LCSD RPD above CL
RB-W-131-52-221107-00-01		Aroclor 1260	22200 µg/kg	22200J µg/kg	
RB-W-132-03-221107-00-01	PCBs	Aroclor 1254	12400 µg/kg	12400J µg/kg	LCS/LCSD RPD above CL
RB-W-132-03-221107-00-01		Aroclor 1260	49700 µg/kg	49700J µg/kg	
RB-W-132-51-221107-00-01	PCBs	Aroclor 1254	1240 µg/kg	1240J µg/kg	LCS/LCSD RPD above CL
RB-W-132-51-221107-00-01		Aroclor 1260	6570 µg/kg	6570J µg/kg	
RB-W-133-03-221107-00-01	PCBs	Aroclor 1254	1660 µg/kg	1660J µg/kg	LCS/LCSD RPD above CL
RB-W-133-03-221107-00-01		Aroclor 1260	7690 µg/kg	7690J µg/kg	
RB-W-133-59-221107-00-01	PCBs	Aroclor 1254	604 µg/kg	604J µg/kg	LCS/LCSD RPD above CL
RB-W-133-59-221107-00-01		Aroclor 1260	2950 µg/kg	2950J µg/kg	
RB-W-134-15-221107-00-01	PCBs	Aroclor 1254	827 µg/kg	827J µg/kg	LCS/LCSD RPD above CL
RB-W-134-15-221107-00-01		Aroclor 1260	5290 µg/kg	5290J µg/kg	
RB-W-134-73-221107-00-01	PCBs	Aroclor 1254	1010 µg/kg	1010J µg/kg	LCS/LCSD RPD above CL
RB-W-134-73-221107-00-01		Aroclor 1260	4580 µg/kg	4580J µg/kg	
RB-W-135-28-221107-00-01	PCBs	Aroclor 1254	666 µg/kg	666J µg/kg	LCS/LCSD RPD above CL
RB-W-135-28-221107-00-01		Aroclor 1260	3170 µg/kg	3170J µg/kg	
RB-W-135-96-221107-00-01	PCBs	Aroclor 1254	674 µg/kg	674J µg/kg	LCS/LCSD RPD above CL
RB-W-135-96-221107-00-01		Aroclor 1260	3650 µg/kg	3650J µg/kg	
RB-W-136-57-221107-00-01	PCBs	Aroclor 1254	1090 µg/kg	1090J µg/kg	LCS/LCSD RPD above CL
RB-W-136-57-221107-00-01		Aroclor 1260	4670 µg/kg	4670J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-136-89-221107-00-01	PCBs	Aroclor 1254	997 µg/kg	997J µg/kg	LCS/LCSD RPD above CL
RB-W-136-89-221107-00-01		Aroclor 1260	3870 µg/kg	3870J µg/kg	
RB-W-137-13-221107-00-01	PCBs	Aroclor 1254	1300 µg/kg	1300J µg/kg	LCS/LCSD RPD above CL
RB-W-137-13-221107-00-01		Aroclor 1260	5950 µg/kg	5950J µg/kg	
RB-W-137-39-221107-00-01	PCBs	Aroclor 1254	2080 µg/kg	2080J µg/kg	Column Confirmation RPD above CL
RB-W-137-67-221107-00-01	PCBs	Aroclor 1254	2970 µg/kg	2970J µg/kg	Column Confirmation RPD above CL
		Aroclor 1260	17900 µg/kg	17900J µg/kg	Holding Times
RB-W-137-80-221107-00-01	PCBs	Aroclor 1254	1000 µg/kg	1000J µg/kg	Column Confirmation RPD above CL
RB-W-139-00-221107-00-01	PCBs	Aroclor 1254	1500 µg/kg	1500J µg/kg	Column Confirmation RPD above CL
RB-W-139-49-221107-00-01	PCBs	Aroclor 1254	4060 µg/kg	4060J µg/kg	Column Confirmation RPD above CL
		Aroclor 1260	15000 µg/kg	15000J µg/kg	Holding Times
RB-E-123-28-221104-00-01	PCBs	Aroclor 1254	1370 µg/kg	1370J µg/kg	Column Confirmation RPD above CL
RB-E-126-39-221104-00-01	PCBs	Aroclor 1254	1980 µg/kg	1980J µg/kg	Column Confirmation RPD above CL
		Aroclor 1260	15400 µg/kg	15400J µg/kg	Holding Times
RB-E-126-71-221104-00-01	PCBs	Aroclor 1016	39U µg/kg	39UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260	37.3J µg/kg	37.3J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-128-11-221104-00-01	PCBs	Aroclor 1016	42U µg/kg	42UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	602 µg/kg	602J µg/kg	Holding Times; Column Confirmation RPD above CL
		Aroclor 1260	3290 µg/kg	3290J µg/kg	Holding Times
RB-E-128-63-221104-00-01	PCBs	Aroclor 1016	53U µg/kg	53UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	628 µg/kg	628J µg/kg	
		Aroclor 1260	3810 µg/kg	3810J µg/kg	
RB-E-129-15-221104-00-01	PCBs	Aroclor 1016	44U µg/kg	44UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	627 µg/kg	627J µg/kg	
		Aroclor 1260	5020 µg/kg	5020J µg/kg	
RB-E-129-62-221104-00-01	PCBs	Aroclor 1016	47U µg/kg	47UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	1690 µg/kg	1690J µg/kg	
		Aroclor 1260	11200 µg/kg	11200J µg/kg	
RB-E-130-08-221104-00-01	PCBs	Aroclor 1016	57U µg/kg	57UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	899 µg/kg	899J µg/kg	
		Aroclor 1260	4890 µg/kg	4890J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-130-55-221104-00-01	PCBs	Aroclor 1016	47U µg/kg	47UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	918 µg/kg	918J µg/kg	Holding Times; Column Confirmation RPD above CL
		Aroclor 1260	5660 µg/kg	5660J µg/kg	Holding Times
RB-E-131-02-221104-00-01	PCBs	Aroclor 1016	46U µg/kg	46UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	1560 µg/kg	1560J µg/kg	Holding Times; Column Confirmation RPD above CL
		Aroclor 1260	13000 µg/kg	13000J µg/kg	Holding Times
RB-E-131-51-221104-00-01	PCBs	Aroclor 1016	44U µg/kg	44UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	998 µg/kg	998J µg/kg	
		Aroclor 1260	5870 µg/kg	5870J µg/kg	
RB-E-131-98-221104-00-01	PCBs	Aroclor 1016	43U µg/kg	43UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	1520 µg/kg	1520J µg/kg	Holding Times; FD RPD above CL
		Aroclor 1260	12000 µg/kg	12000J µg/kg	Holding Times

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-131-98-BD0001	PCBs	Aroclor 1016	46U µg/kg	46UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	3960 µg/kg	3960J µg/kg	Holding Times; Surrogate %R above CL; FD RPD above CL
		Aroclor 1260	19700 µg/kg	19700J µg/kg	Holding Times
RB-E-132-44-221104-00-01	PCBs	Aroclor 1016	41U µg/kg	41UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	751 µg/kg	751J µg/kg	
		Aroclor 1260	4410 µg/kg	4410J µg/kg	
RB-E-132-90-221104-00-01	PCBs	Aroclor 1016	39U µg/kg	39UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	692 µg/kg	692J µg/kg	
		Aroclor 1260	5120 µg/kg	5120J µg/kg	
RB-E-133-38-221104-00-01	PCBs	Aroclor 1016	38U µg/kg	38UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	836 µg/kg	836J µg/kg	
		Aroclor 1260	4930 µg/kg	4930J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-133-82-221104-00-01	PCBs	Aroclor 1016	41U µg/kg	41UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	1470 µg/kg	1470J µg/kg	Holding Times; Column Confirmation RPD above CL
		Aroclor 1260	14100 µg/kg	14100J µg/kg	Holding Times
RB-E-134-26-221104-00-01	PCBs	Aroclor 1016	49U µg/kg	49UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	721 µg/kg	721J µg/kg	
		Aroclor 1260	4070 µg/kg	4070J µg/kg	
RB-W-141-100-221104-00-01	PCBs	Aroclor 1016	45U µg/kg	45UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	899 µg/kg	899J µg/kg	Holding Times; Column Confirmation RPD above CL
		Aroclor 1260	5480 µg/kg	5480J µg/kg	Holding Times
RB-W-141-27-221104-00-01	PCBs	Aroclor 1016	43U µg/kg	43UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	1380 µg/kg	1380J µg/kg	
		Aroclor 1260	7440 µg/kg	7440J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-142-47-221104-00-01	PCBs	Aroclor 1016	42U µg/kg	42UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	1350 µg/kg	1350J µg/kg	Holding Times; Column Confirmation RPD above CL
		Aroclor 1260	6920 µg/kg	6920J µg/kg	Holding Times
RB-W-142-74-221104-00-01	PCBs	Aroclor 1016	39U µg/kg	39UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	513 µg/kg	513J µg/kg	
		Aroclor 1260	4320 µg/kg	4320J µg/kg	
RB-W-143-05-221104-00-01	PCBs	Aroclor 1016	45U µg/kg	45UJ µg/kg	Holding Times
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254	1880 µg/kg	1880J µg/kg	Holding Times; Column Confirmation RPD above CL
		Aroclor 1260	12200 µg/kg	12200J µg/kg	Holding Times
RB-W-143-70-221104-00-01	PCBs	Aroclor 1254	1910 µg/kg	1910J µg/kg	Surrogate %R above CL
		Aroclor 1260	8650 µg/kg	8650J µg/kg	
RB-W-145-86-221104-00-01	PCBs	Aroclor 1254	1260 µg/kg	1260J µg/kg	FD RPD above CL
		Aroclor 1260	4850 µg/kg	4850J µg/kg	
RB-W-145-86-BD0001	PCBs	Aroclor 1254	636 µg/kg	636J µg/kg	FD RPD above CL
		Aroclor 1260	2360 µg/kg	2360J µg/kg	
SE-BW5A-5-A-B-19-20-221104-00-01	Conventionals	TOC	103000 mg/kg	103000J mg/kg	MS %R below CL
SE-BW5A-5-A-B-19-20-221104-01-1.5	Conventionals	TOC	12500 mg/kg	12500J mg/kg	MS %R below CL
	PCBs	Aroclor 1260	69.8 µg/kg	69.8J µg/kg	Surrogate %R above CL
SE-BW5A-5-A-B-19-20-221104-02-2.37	Conventionals	TOC	15400 mg/kg	15400J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	55.7 µg/kg	55.7J µg/kg	Surrogate %R above CL
		Aroclor 1260	142 µg/kg	142J µg/kg	
SE-BW5A-5-A-B-19-20-221104-1.5-02	Conventionals	TOC	22300 mg/kg	22300J mg/kg	MS %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-C-D-18-19-221104-00-01	Conventionals	TOC	41600 mg/kg	41600J mg/kg	MS %R below CL
SE-BW5A-5-C-D-18-19-221104-01-1.5	Conventionals	TOC	88200 mg/kg	88200J mg/kg	MS %R below CL
SE-BW5A-5-C-D-18-19-221104-02-2.5	Conventionals	TOC	105000 mg/kg	105000J mg/kg	MS %R below CL; Holding Times
SE-BW5A-5-C-D-18-19-221104-03-3.5	Conventionals	TOC	23000 mg/kg	23000J mg/kg	MS %R below CL
SE-BW5A-5-C-D-18-19-221104-1.5-02	Conventionals	TOC	122000 mg/kg	122000J mg/kg	MS %R below CL
SE-BW5A-5-C-D-18-19-221104-2.5-03	Conventionals	TOC	42000 mg/kg	42000J mg/kg	MS %R below CL
SE-BW5A-5-C-D-19-20-221104-00-01	PCBs	Aroclor 1254	2240 µg/kg	2240J µg/kg	Surrogate %R above CL
		Aroclor 1260	2660 µg/kg	2660J µg/kg	
SE-BW5A-5-C-D-19-20-221104-01-1.5	PCBs	Aroclor 1254	1800 µg/kg	1800J µg/kg	Surrogate %R above CL
		Aroclor 1260	1970 µg/kg	1970J µg/kg	
SE-BW5A-5-C-D-19-20-221104-02-2.34	Conventionals	TOC	66900 mg/kg	66900J mg/kg	Holding Times
SE-BW5A-5-C-D-19-20-221104-1.5-02	Conventionals	TOC	89500 mg/kg	89500J mg/kg	Holding Times
	PCBs	Aroclor 1254	399 µg/kg	399J µg/kg	Surrogate %R above CL
		Aroclor 1260	403 µg/kg	403J µg/kg	
SE-BW5A-5-D-18-19-221104-00-01	PCBs	Aroclor 1254	2560 µg/kg	2560J µg/kg	Surrogate %R above CL
		Aroclor 1260	4530 µg/kg	4530J µg/kg	
SE-BW5A-5-D-18-19-221104-01-1.5	Conventionals	TOC	57600 mg/kg	57600J mg/kg	Holding Times
SE-BW5A-5-D-18-19-221104-1.5-1.75	Conventionals	TOC	27100 mg/kg	27100J mg/kg	Holding Times
SE-BW5A-5-D-E-16-17-221103-00-01	Conventionals	TOC	75600 mg/kg	75600J mg/kg	MS %R below CL
SE-BW5A-5-D-E-16-17-221103-02-2.5	Conventionals	TOC	96200 mg/kg	96200J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-16-17-221103-03-3.5	Conventionals	TOC	161000 mg/kg	161000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-16-17-221103-04-4.5	Conventionals	TOC	122000 mg/kg	122000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-16-17-221103-2.5-03	Conventionals	TOC	95500 mg/kg	95500J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-16-17-221103-4.5-05	Conventionals	TOC	175000 mg/kg	175000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-16-17-BD0001	Conventionals	TOC	68500 mg/kg	68500J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-17-18-221103-00-01	Conventionals	TOC	73000 mg/kg	73000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-17-18-221103-01-1.5	Conventionals	TOC	162000 mg/kg	162000J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-D-E-17-18-221103-02-2.3	Conventionals	TOC	61100 mg/kg	61100J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-17-18-221103-1.5-02	Conventionals	TOC	115000 mg/kg	115000J mg/kg	MS/MSD %R below CL
SE-BW5A-5-A-B-20-221107-01-1.5	PCBs	Aroclor 1016	55U µg/kg	55UJ µg/kg	MS %R below CL, MS/MSD RPD above CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-BW5A-5-A-B-20-221107-1.5-02	Conventionals	TOC	13600 mg/kg	13600J mg/kg	Holding Times
SE-BW5A-5-A-B-20-BD0001	Conventionals	TOC	9660 mg/kg	9660J mg/kg	Holding Times
SE-BW5A-5-B-C-19-20-221107-00-01	Conventionals	TOC	64300 mg/kg	64300J mg/kg	Holding Times
SE-BW5A-5-B-C-20-221107-00-01	Conventionals	TOC	133000 mg/kg	133000J mg/kg	Holding Times
SE-BW5A-5-B-C-20-221107-01-1.5	Conventionals	TOC	165000 mg/kg	165000J mg/kg	Holding Times
SE-BW5A-5-B-C-20-221107-02-2.23	Conventionals	TOC	3210 mg/kg	3210J mg/kg	Holding Times
SE-BW5A-5-B-C-20-221107-1.5-02	Conventionals	TOC	59700 mg/kg	59700J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-D-19-20-221107-00-01	Conventionals	TOC	1840 mg/kg	1840J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-D-19-20-221107-01-1.5	Conventionals	TOC	3710 mg/kg	3710J mg/kg	MS/MSD %R below CL; Holding Times
SE-BW5A-5-D-19-20-221107-1.5-1.82	Conventionals	TOC	1220 mg/kg	1220J mg/kg	MS/MSD %R below CL; Holding Times

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-134-67-221103-00-01	JD55411-1	JD55411	Soil	PCBs, TS
RB-E-135-15-221103-00-01	JD55411-2	JD55411	Soil	PCBs, TS
RB-E-135-57-221103-00-01	JD55411-3	JD55411	Soil	PCBs, TS
RB-E-135-92-221103-00-01	JD55411-4	JD55411	Soil	PCBs, TS, GS, MC
RB-E-136-11-221103-00-01	JD55411-5	JD55411	Soil	PCBs, TS
RB-E-136-38-221103-00-01	JD55411-6	JD55411	Soil	PCBs, TS
RB-E-136-38-BD0001	JD55411-7	JD55411	Soil	PCBs, TS
RB-E-136-80-221103-00-01	JD55411-8	JD55411	Soil	PCBs, TS
RB-E-137-19-221103-00-01	JD55411-9	JD55411	Soil	PCBs, TS
RB-E-138-26-221103-00-01	JD55411-10	JD55411	Soil	PCBs, TS, GS, MC
RB-E-138-86-221103-00-01	JD55411-11	JD55411	Soil	PCBs, TS
RB-E-139-34-221103-00-01	JD55411-12	JD55411	Soil	PCBs, TS
RB-E-139-84-221103-00-01	JD55411-13	JD55411	Soil	PCBs, TS
RB-E-140-28-221103-00-01	JD55411-14	JD55411	Soil	PCBs, TS
RB-E-140-62-221103-00-01	JD55411-15	JD55411	Soil	PCBs, TS
RB-2211031438	JD55411-16	JD55411	Water	PCBs
RB-E-141-07-221103-00-01	JD55411-17	JD55411	Soil	PCBs, TS
RB-E-141-24-221103-00-01	JD55411-18	JD55411	Soil	PCBs, TS
RB-E-141-65-221103-00-01	JD55411-19	JD55411	Soil	PCBs, TS
RB-W-149-42-221103-00-01	JD55411-20	JD55411	Soil	PCBs, TS
RB-W-150-85-221103-00-01	JD55411-21	JD55411	Soil	PCBs, TS
RB-W-151-08-221103-00-01	JD55411-22	JD55411	Soil	PCBs, TS
RB-W-151-32-221103-00-01	JD55411-23	JD55411	Soil	PCBs, TS, GS, MC
RB-W-151-87-221103-00-01	JD55411-24	JD55411	Soil	PCBs, TS
RB-W-152-42-221103-00-01	JD55411-25	JD55411	Soil	PCBs, TS
RB-W-152-92-221103-00-01	JD55411-26	JD55411	Soil	PCBs, TS
RB-W-153-42-221103-00-01	JD55411-27	JD55411	Soil	PCBs, TS
RB-W-153-42-BD0001	JD55411-28	JD55411	Soil	PCBs, TS
RB-W-153-90-221103-00-01	JD55411-29	JD55411	Soil	PCBs, TS
RB-W-154-37-221103-00-01	JD55411-30	JD55411	Soil	PCBs, TS
RB-W-154-86-221103-00-01	JD55411-31	JD55411	Soil	PCBs, TS
RB-W-155-38-221103-00-01	JD55411-32	JD55411	Soil	PCBs, TS
RB-W-155-93-221103-00-01	JD55411-33	JD55411	Soil	PCBs, TS
RB-W-156-46-221103-00-01	JD55411-34	JD55411	Soil	PCBs, TS
RB-W-157-08-221103-00-01	JD55411-35	JD55411	Soil	PCBs, TS
RB-W-157-84-221103-00-01	JD55411-36	JD55411	Soil	PCBs, TS, GS, MC
RB-W-158-67-221103-00-01	JD55411-37	JD55411	Soil	PCBs, TS
RB-W-159-24-221103-00-01	JD55411-38	JD55411	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2211031508	JD55411-39	JD55411	Water	PCBs
RB-W-161-46-221103-00-01	JD55411-40	JD55411	Soil	PCBs, TS
RB-W-162-97-221103-00-01	JD55411-41	JD55411	Soil	PCBs, TS
RB-W-163-21-221103-00-01	JD55411-42	JD55411	Soil	PCBs, TS
RB-W-164-41-221103-00-01	JD55411-43	JD55411	Soil	PCBs, TS, GS, MC
RB-W-165-18-221103-00-01	JD55411-44	JD55411	Soil	PCBs, TS
RB-W-165-18-BD0001	JD55411-45	JD55411	Soil	PCBs, TS
RB-E-115-22-221107-00-01	JD55412-1	JD55412	Soil	PCBs, TS, GS, MC
RB-E-116-03-221107-00-01	JD55412-2	JD55412	Soil	PCBs, TS
RB-E-116-50-221107-00-01	JD55412-3	JD55412	Soil	PCBs, TS
RB-E-116-98-221107-00-01	JD55412-4	JD55412	Soil	PCBs, TS
RB-E-117-40-221107-00-01	JD55412-5	JD55412	Soil	PCBs, TS
RB-E-117-83-221107-00-01	JD55412-6	JD55412	Soil	PCBs, TS
RB-E-118-31-221107-00-01	JD55412-7	JD55412	Soil	PCBs, TS
RB-E-118-90-221107-00-01	JD55412-8	JD55412	Soil	PCBs, TS
RB-E-119-80-221107-00-01	JD55412-9	JD55412	Soil	PCBs, TS
RB-E-120-37-221107-00-01	JD55412-10	JD55412	Soil	PCBs, TS
RB-E-120-84-221107-00-01	JD55412-11	JD55412	Soil	PCBs, TS
RB-E-121-02-221107-00-01	JD55412-12	JD55412	Soil	PCBs, TS
RB-E-121-13-221107-00-01	JD55412-13	JD55412	Soil	PCBs, TS
RB-E-121-30-221107-00-01	JD55412-14	JD55412	Soil	PCBs, TS
RB-E-121-50-221107-00-01	JD55412-15	JD55412	Soil	PCBs, TS
RB-E-121-50-BD0001	JD55412-16	JD55412	Soil	PCBs, TS
RB-E-121-99-221107-00-01	JD55412-17	JD55412	Soil	PCBs, TS, GS, MC
RB-E-122-27-221107-00-01	JD55412-18	JD55412	Soil	PCBs, TS
RB-E-122-43-221107-00-01	JD55412-19	JD55412	Soil	PCBs, TS
RB-E-122-63-221107-00-01	JD55412-20	JD55412	Soil	PCBs, TS
RB-E-122-83-221107-00-01	JD55412-21	JD55412	Soil	PCBs, TS
RB-E-123-08-221107-00-01	JD55412-22	JD55412	Soil	PCBs, TS
RB-E-123-48-221107-00-01	JD55412-23	JD55412	Soil	PCBs, TS
RB-W-130-48-221107-00-01	JD55412-24	JD55412	Soil	PCBs, TS, GS, MC
RB-W-131-01-221107-00-01	JD55412-25	JD55412	Soil	PCBs, TS
RB-W-131-52-221107-00-01	JD55412-26	JD55412	Soil	PCBs, TS
RB-W-132-03-221107-00-01	JD55412-27	JD55412	Soil	PCBs, TS
RB-W-132-51-221107-00-01	JD55412-28	JD55412	Soil	PCBs, TS
RB-W-133-03-221107-00-01	JD55412-29	JD55412	Soil	PCBs, TS
RB-W-133-59-221107-00-01	JD55412-30	JD55412	Soil	PCBs, TS
RB-W-134-15-221107-00-01	JD55412-31	JD55412	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-134-73-221107-00-01	JD55412-32	JD55412	Soil	PCBs, TS
RB-W-135-28-221107-00-01	JD55412-33	JD55412	Soil	PCBs, TS
RB-W-135-96-221107-00-01	JD55412-34	JD55412	Soil	PCBs, TS
RB-W-136-57-221107-00-01	JD55412-35	JD55412	Soil	PCBs, TS
RB-W-136-89-221107-00-01	JD55412-36	JD55412	Soil	PCBs, TS
RB-W-137-13-221107-00-01	JD55412-37	JD55412	Soil	PCBs, TS, GS, MC
RB-W-137-27-221107-00-01	JD55412-38	JD55412	Soil	PCBs, TS
RB-2211071410	JD55412-39	JD55412	Water	PCBs
RB-W-137-39-221107-00-01	JD55412-40	JD55412	Soil	PCBs, TS
RB-W-137-67-221107-00-01	JD55412-41	JD55412	Soil	PCBs, TS
RB-W-137-80-221107-00-01	JD55412-42	JD55412	Soil	PCBs, TS
RB-W-137-96-221107-00-01	JD55412-43	JD55412	Soil	PCBs, TS
RB-W-138-15-221107-00-01	JD55412-44	JD55412	Soil	PCBs, TS
RB-2211071406	JD55412-45	JD55412	Water	PCBs
RB-W-138-37-221107-00-01	JD55412-46	JD55412	Soil	PCBs, TS
RB-W-139-00-221107-00-01	JD55412-47	JD55412	Soil	PCBs, TS
RB-W-139-49-221107-00-01	JD55412-48	JD55412	Soil	PCBs, TS
RB-W-139-96-221107-00-01	JD55412-49	JD55412	Soil	PCBs, TS
RB-W-139-96-BD0001	JD55412-50	JD55412	Soil	PCBs, TS
RB-W-140-50-221107-00-01	JD55412-51	JD55412	Soil	PCBs, TS, GS, MC
RB-E-123-28-221104-00-01	JD55413-1	JD55413	Soil	PCBs, TS
RB-E-124-13-221104-00-01	JD55413-2	JD55413	Soil	PCBs, TS
RB-E-124-97-221104-00-01	JD55413-3	JD55413	Soil	PCBs, TS
RB-E-125-45-221104-00-01	JD55413-4	JD55413	Soil	PCBs, TS
RB-E-125-91-221104-00-01	JD55413-5	JD55413	Soil	PCBs, TS
RB-E-126-39-221104-00-01	JD55413-6	JD55413	Soil	PCBs, TS
RB-E-126-71-221104-00-01	JD55413-7	JD55413	Soil	PCBs, TS
RB-E-127-16-221104-00-01	JD55413-8	JD55413	Soil	PCBs, TS, GS, MC
RB-E-128-11-221104-00-01	JD55413-9	JD55413	Soil	PCBs, TS
RB-E-128-63-221104-00-01	JD55413-10	JD55413	Soil	PCBs, TS
RB-E-129-15-221104-00-01	JD55413-11	JD55413	Soil	PCBs, TS
RB-E-129-62-221104-00-01	JD55413-12	JD55413	Soil	PCBs, TS
RB-E-130-08-221104-00-01	JD55413-13	JD55413	Soil	PCBs, TS
RB-E-130-55-221104-00-01	JD55413-14	JD55413	Soil	PCBs, TS
RB-E-131-02-221104-00-01	JD55413-15	JD55413	Soil	PCBs, TS
RB-E-131-51-221104-00-01	JD55413-16	JD55413	Soil	PCBs, TS, GS, MC
RB-E-131-98-221104-00-01	JD55413-17	JD55413	Soil	PCBs, TS
RB-E-131-98-BD0001	JD55413-18	JD55413	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-132-44-221104-00-01	JD55413-19	JD55413	Soil	PCBs, TS
RB-E-132-90-221104-00-01	JD55413-20	JD55413	Soil	PCBs, TS
RB-E-133-38-221104-00-01	JD55413-21	JD55413	Soil	PCBs, TS
RB-E-133-82-221104-00-01	JD55413-22	JD55413	Soil	PCBs, TS
RB-E-134-26-221104-00-01	JD55413-23	JD55413	Soil	PCBs, TS
RB-W-141-100-221104-00-01	JD55413-24	JD55413	Soil	PCBs, TS
RB-W-141-27-221104-00-01	JD55413-25	JD55413	Soil	PCBs, TS
RB-W-142-47-221104-00-01	JD55413-26	JD55413	Soil	PCBs, TS
RB-W-142-74-221104-00-01	JD55413-27	JD55413	Soil	PCBs, TS
RB-W-143-05-221104-00-01	JD55413-28	JD55413	Soil	PCBs, TS
RB-W-143-27-221104-00-01	JD55413-29	JD55413	Soil	PCBs, TS
RB-W-143-45-221104-00-01	JD55413-30	JD55413	Soil	PCBs, TS
RB-W-143-58-221104-00-01	JD55413-31	JD55413	Soil	PCBs, TS
RB-W-143-70-221104-00-01	JD55413-32	JD55413	Soil	PCBs, TS, GS, MC
RB-W-144-01-221104-00-01	JD55413-33	JD55413	Soil	PCBs, TS
RB-W-144-15-221104-00-01	JD55413-34	JD55413	Soil	PCBs, TS
RB-W-144-33-221104-00-01	JD55413-35	JD55413	Soil	PCBs, TS
RB-W-144-91-221104-00-01	JD55413-36	JD55413	Soil	PCBs, TOC, TS, GS, MC, SG, Density
RB-W-145-42-221104-00-01	JD55413-37	JD55413	Soil	PCBs, TS
RB-W-145-64-221104-00-01	JD55413-38	JD55413	Soil	PCBs, TS
RB-W-145-86-221104-00-01	JD55413-39	JD55413	Soil	PCBs, TS
RB-W-145-86-BD0001	JD55413-40	JD55413	Soil	PCBs, TS
RB-W-146-11-221104-00-01	JD55413-41	JD55413	Soil	PCBs, TS
RB-2211041417	JD55413-42	JD55413	Water	PCBs
RB-W-146-35-221104-00-01	JD55413-43	JD55413	Soil	PCBs, TS
RB-W-146-51-221104-00-01	JD55413-44	JD55413	Soil	PCBs, TS
RB-W-146-74-221104-00-01	JD55413-45	JD55413	Soil	PCBs, TS
RB-2211041415	JD55413-46	JD55413	Water	PCBs
RB-W-147-05-221104-00-01	JD55413-47	JD55413	Soil	PCBs, TS
RB-W-147-47-221104-00-01	JD55413-48	JD55413	Soil	PCBs, TS
RB-W-148-35-221104-00-01	JD55413-49	JD55413	Soil	PCBs, TS, GS, MC
RB-W-148-95-221104-00-01	JD55413-50	JD55413	Soil	PCBs, TS
SE-BW5A-5-A-B-19-20-221104-00-01	JD55414-1	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-19-20-221104-01-1.5	JD55414-2	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-19-20-221104-02-2.37	JD55414-3	JD55414	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-5-A-B-19-20-221104-1.5-02	JD55414-4	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-18-19-221104-00-01	JD55414-5	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-18-19-221104-01-1.5	JD55414-6	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-18-19-221104-02-2.5	JD55414-7	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-18-19-221104-03-3.5	JD55414-8	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-18-19-221104-1.5-02	JD55414-9	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-18-19-221104-2.5-03	JD55414-10	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-19-20-221104-00-01	JD55414-11	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-19-20-221104-01-1.5	JD55414-12	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-19-20-221104-02-2.34	JD55414-13	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-C-D-19-20-221104-1.5-02	JD55414-14	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-17-18-221104-00-01	JD55414-15	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-17-18-221104-02-2.5	JD55414-16	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-17-18-221104-04-4.5	JD55414-17	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-17-18-221104-2.5-2.85	JD55414-18	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-17-18-221104-4.5-05	JD55414-19	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-18-19-221104-00-01	JD55414-20	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-18-19-221104-01-1.5	JD55414-21	JD55414	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-18-19-221104-1.5-1.75	JD55414-22	JD55414	Sediment	PCBs, TOC, TS
RB-2211031532	JD55415-1	JD55415	Water	PCBs, TOC
SE-BW5A-5-D-E-16-17-221103-00-01	JD55415-2	JD55415	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-16-17-221103-02-2.5	JD55415-3	JD55415	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-5-D-E-16-17-221103-03-3.5	JD55415-4	JD55415	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-16-17-221103-04-4.5	JD55415-5	JD55415	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-16-17-221103-2.5-03	JD55415-6	JD55415	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-16-17-221103-4.5-05	JD55415-7	JD55415	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-16-17-BD0001	JD55415-8	JD55415	Sediment	TOC, TS
SE-BW5A-5-D-E-17-18-221103-00-01	JD55415-9	JD55415	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-17-18-221103-01-1.5	JD55415-10	JD55415	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-17-18-221103-02-2.3	JD55415-11	JD55415	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-17-18-221103-1.5-02	JD55415-12	JD55415	Sediment	PCBs, TOC, TS
RB-2211071444	JD55416-1	JD55416	Water	PCBs, TOC
SE-BW5A-5-A-B-20-221107-00-01	JD55416-2	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-20-221107-01-1.5	JD55416-3	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-20-221107-1.5-02	JD55416-4	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-A-B-20-BD0001	JD55416-5	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-19-20-221107-00-01	JD55416-6	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-20-221107-00-01	JD55416-7	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-20-221107-01-1.5	JD55416-8	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-20-221107-02-2.23	JD55416-9	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-B-C-20-221107-1.5-02	JD55416-10	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-19-20-221107-00-01	JD55416-11	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-19-20-221107-01-1.5	JD55416-12	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-19-20-221107-1.5-1.82	JD55416-13	JD55416	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-19-20G-221107-0.3-1.82	JD55416-14	JD55416	Sediment	GS, MC

Data Validation Report – EPA Stage 2A

May 3, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0085

This report summarizes the review of analytical results for 155 soil samples, 27 sediment samples, 9 field duplicate samples, and 9 equipment rinsate blanks collected in November 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Specific gravity (SG) by ASTM D1429
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Four SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times with the exception of one sample that was analyzed outside of the 28-day holding time for TOC. The sample was qualified "J" to indicate it is estimated.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field QC included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Nine equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and two were analyzed for TOC. All results were below detection with the exception of the TOC result for sample RB-2211081454. All sample results were greater than five times (5X) the concentration of the blank, so no data were qualified.

Field Duplicates

Nine field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate RPD values were assessed by the 50% RPD according to the QAPP. Results that were less than five times the MRL were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	RB-E-093-53- 221109-00-01	RB-E-093-53- BD0001	RPD	Difference	Difference CL
Total solids	62.1%	63.3%	2%	--	--
Aroclor 1254	377 µg/kg	439 µg/kg	15%	--	--
Aroclor 1260	1370 µg/kg	1860 µg/kg	30%	--	--

Analyte	RB-E-109-41- 221108-00-01	RB-E-109-41- BD0001	RPD	Difference	Difference CL
Total solids	64.1%	67%	4%	--	--
Aroclor 1254	1370 µg/kg	2310 µg/kg	51%	--	--
Aroclor 1260	8060 µg/kg	11600 µg/kg	36%	--	--

Analyte	RB-W-115-33- 221109-00-01	RB-W-115-33- BD0001	RPD	Difference	Difference CL
Total solids	62.5%	62.7%	0%	--	--
Aroclor 1254	1470 µg/kg	876 µg/kg	51%	--	--
Aroclor 1260	5020 µg/kg	2990 µg/kg	51%	--	--

Analyte	RB-W-127-93- 221108-00-01	RB-W-127-93- BD0001	RPD	Difference	Difference CL
Total solids	67.9%	62.5%	8%	--	--
Aroclor 1254	1230 µg/kg	3900 µg/kg	104%	--	--
Aroclor 1260	4260 µg/kg	13600 µg/kg	105%	--	--

Analyte	SE-149-52-C- 221109-00-0.5	SE-149-52-C- BD0001	RPD	Difference	Difference CL
TOC	1800 mg/kg	1780 mg/kg	1%	--	--
Total solids	70.3%	79.5%	12%	--	--
Aroclor 1254	555 µg/kg	669 µg/kg	19%	--	--
Aroclor 1260	1470 µg/kg	2130 µg/kg	37%	--	--

Analyte	SE-BW5A-5-D-E-21-22-221108-1.5-02	SE-BW5A-5-D-E-21-22-BD0001	RPD	Difference	Difference CL
TOC	294 mg/kg	535 mg/kg	--	241 mg/kg	260 mg/kg
Total solids	77.6%	76.3%	2%	--	--

Analyte	RB-W-053-05-221110-00-01	RB-W-053-05-BD0001	RPD	Difference	Difference CL
Total solids	76.4%	84%	9%	--	--
Aroclor 1254	295 µg/kg	270 µg/kg	9%	--	--
Aroclor 1260	618 µg/kg	720 µg/kg	15%	--	--

Analyte	RB-W-089-41-221110-00-01	RB-W-089-41-BD0001	RPD	Difference	Difference CL
Total solids	75.5%	79.6%	5%	--	--
Aroclor 1254	940 µg/kg	1060 µg/kg	12%	--	--
Aroclor 1260	3150 µg/kg	4410 µg/kg	33%	--	--

Analyte	RB-W-104-76-221110-00-01	RB-W-104-76-BD0001	RPD	Difference	Difference CL
Total solids	82%	77.3%	6%	--	--
Aroclor 1254	1020 µg/kg	1940 µg/kg	62%	--	--
Aroclor 1260	4010 µg/kg	10700 µg/kg	91%	--	--

Notes:

µg/kg: microgram per kilogram

CL: control limit

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are

associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD55702
 - Decachlorobiphenyl (DCB) and/or Tetrachloro-m-xylene (TMX) recovered above the control limit in the analysis of samples RB-E-097-60-221109-00-01, RB-W-116-47-221108-00-01, RB-W-128-32-221108-00-01, and RB-W-129-06-221108-00-01. The sample results have been qualified "J" to indicate a high bias.
 - DCB and TMX recovered above the control limit in the analysis of sample RB-E-102-11-221108-00-01. The Aroclor 1254 sample result has been qualified "J" to indicate a high bias.
 - TMX recovered above the control limit in the second column analysis of samples RB-E-102-35-221108-00-01, RB-E-104-17-221108-00-01, and RB-E-105-60-221108-00-01. The Aroclor 1254 sample results have been qualified "J" to indicate a high bias.
- SDG JD55703
 - TMX and/or DCB recovered above the control limit in the analysis of samples SE-149-52-C-221109-0.5-01, SE-149-52-E-221109-0.5-0.74, SE-149-52-W-221109-1.5-02, SE-152-01-C-221109-00-0.5, and SE-152-01-C-221109-01-1.2. The sample results have been qualified "J" to indicate a high bias.
 - TMX and DCB recovered above the control limit in the analysis of sample SE-149-52-W-221109-02-2.25. The Aroclor 1254 result has been qualified "J" to indicate a high bias.
- SDG JD55749
 - DCB and TMX recovered below 10% in the analysis of sample RB-2211101415. The detected results have been qualified "J" to indicate a low bias. The not detected results have been rejected due to the surrogate recovery below 10%.
 - TMX and/or DCB recovered above the control limit in the analysis of samples RB-W-086-64-221110-00-01 and RB-W-090-08-221110-00-01. The sample results have been qualified "J" to indicate a high bias.
 - DCB recovered above the control limit in the second column analysis of sample RB-W-090-41-221110-00-01. The Aroclor 1254 result has been qualified "J" to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD55703 – The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-152-01-C-221109-01-1.2. The Aroclor 1254 result has been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batch OP43300
 - Aroclor 1016 recovered above the control limit in the LCS. All results were not detected, so no data were qualified.
- Aroclor Batch OP43302
 - Aroclor 1016 recovered above the control limit in the LCSD. All results were not detected, so no data were qualified.
 - The RPD between the LCS and LCSD for Aroclor 1260 recovered above the control limit. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43303
 - Aroclor 1016 and 1260 recovered above the control limit in the LCSD. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43304
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43305
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43347
 - Aroclor 1260 recovered above the control limit in the LCSD and the RPD between the LCS and LCSD recovered above the control limit. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43348
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43349
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS and the RPD between the LCS and LCSD recovered above the control limit. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43350
 - The RPD between the LCS and LCSD for Aroclor 1016 recovered above the control limit. All results were not detected, so no data were qualified.
- Aroclor Batch OP43375
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a potentially high bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD55703
 - TOC recovered below the control limit in the MS and MSD analyzed on samples SE-149-52-C-221109-0.5-01, SE-149-52-C-BD0001, and SE-152-01-E-221110-0.5-01 (reviewed in a separate validation report). Associated batch sample results have been qualified "J".
- SDG JD55709
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-BW5A-5-D-E-21-22-221108-01-1.5. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Seven results in one sample were rejected due to low/no recovery. Completeness was greater than 99%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-089-15-221109-00-01	PCBs	Aroclor 1254	1150 µg/kg	1150J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	6320 µg/kg	6320J µg/kg	
RB-E-089-72-221109-00-01	PCBs	Aroclor 1254	947 µg/kg	947J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	3850 µg/kg	3850J µg/kg	
RB-E-090-53-221109-00-01	PCBs	Aroclor 1254	876 µg/kg	876J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	4580 µg/kg	4580J µg/kg	
RB-E-091-17-221109-00-01	PCBs	Aroclor 1254	563 µg/kg	563J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	2090 µg/kg	2090J µg/kg	
RB-E-091-71-221109-00-01	PCBs	Aroclor 1254	657 µg/kg	657J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	4400 µg/kg	4400J µg/kg	
RB-E-092-11-221109-00-01	PCBs	Aroclor 1254	689 µg/kg	689J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	3700 µg/kg	3700J µg/kg	
RB-E-092-23-221109-00-01	PCBs	Aroclor 1254	1070 µg/kg	1070J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	6080 µg/kg	6080J µg/kg	
RB-E-092-49-221109-00-01	PCBs	Aroclor 1254	591 µg/kg	591J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	3160 µg/kg	3160J µg/kg	
RB-E-092-94-221109-00-01	PCBs	Aroclor 1254	642 µg/kg	642J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	2920 µg/kg	2920J µg/kg	
RB-E-093-53-221109-00-01	PCBs	Aroclor 1254	377 µg/kg	377J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	1370 µg/kg	1370J µg/kg	
RB-E-093-53-BD0001	PCBs	Aroclor 1254	439 µg/kg	439J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	1860 µg/kg	1860J µg/kg	
RB-E-093-96-221109-00-01	PCBs	Aroclor 1254	1180 µg/kg	1180J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	6450 µg/kg	6450J µg/kg	
RB-E-094-43-221109-00-01	PCBs	Aroclor 1254	1010 µg/kg	1010J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	5060 µg/kg	5060J µg/kg	
RB-E-094-65-221109-00-01	PCBs	Aroclor 1254	878 µg/kg	878J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	4750 µg/kg	4750J µg/kg	
	PCBs	Aroclor 1254	1430 µg/kg	1430J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-094-87-221109-00-01		Aroclor 1260	7090 µg/kg	7090J µg/kg	LCS/LCSD RPD above CL
RB-E-095-09-221109-00-01	PCBs	Aroclor 1254	1910 µg/kg	1910J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	10300 µg/kg	10300J µg/kg	
RB-E-095-31-221109-00-01	PCBs	Aroclor 1254	1090 µg/kg	1090J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	6080 µg/kg	6080J µg/kg	
RB-E-095-49-221109-00-01	PCBs	Aroclor 1254	1190 µg/kg	1190J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	6150 µg/kg	6150J µg/kg	
RB-E-095-71-221109-00-01	PCBs	Aroclor 1254	1480 µg/kg	1480J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	8420 µg/kg	8420J µg/kg	
RB-E-096-20-221109-00-01	PCBs	Aroclor 1254	2080 µg/kg	2080J µg/kg	LCS/LCSD RPD above CL
		Aroclor 1260	8770 µg/kg	8770J µg/kg	
RB-E-096-45-221109-00-01	PCBs	Aroclor 1254	2140 µg/kg	2140J µg/kg	LCSD %R above CL
		Aroclor 1260	10100 µg/kg	10100J µg/kg	
RB-E-096-80-221109-00-01	PCBs	Aroclor 1254	1840 µg/kg	1840J µg/kg	LCSD %R above CL
		Aroclor 1260	8710 µg/kg	8710J µg/kg	
RB-E-097-60-221109-00-01	PCBs	Aroclor 1254	389 µg/kg	389J µg/kg	LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	1830 µg/kg	1830J µg/kg	
RB-E-098-56-221109-00-01	PCBs	Aroclor 1254	1020 µg/kg	1020J µg/kg	LCSD %R above CL
		Aroclor 1260	4870 µg/kg	4870J µg/kg	
RB-E-098-95-221109-00-01	PCBs	Aroclor 1254	3960 µg/kg	3960J µg/kg	LCSD %R above CL
		Aroclor 1260	17900 µg/kg	17900J µg/kg	
RB-E-102-11-221108-00-01	PCBs	Aroclor 1254	3910 µg/kg	3910J µg/kg	LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	23700 µg/kg	23700J µg/kg	LCSD %R above CL
RB-E-102-35-221108-00-01	PCBs	Aroclor 1254	2020 µg/kg	2020J µg/kg	LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	9480 µg/kg	9480J µg/kg	LCSD %R above CL
RB-E-102-64-221108-00-01	PCBs	Aroclor 1254	1520 µg/kg	1520J µg/kg	LCSD %R above CL
		Aroclor 1260	8850 µg/kg	8850J µg/kg	
RB-E-102-84-221108-00-01	PCBs	Aroclor 1254	2380 µg/kg	2380J µg/kg	LCSD %R above CL
		Aroclor 1260	13300 µg/kg	13300J µg/kg	
RB-E-103-51-221108-00-01	PCBs	Aroclor 1254	1980 µg/kg	1980J µg/kg	LCSD %R above CL
		Aroclor 1260	9920 µg/kg	9920J µg/kg	
RB-E-103-72-221108-00-01	PCBs	Aroclor 1254	2630 µg/kg	2630J µg/kg	LCSD %R above CL
		Aroclor 1260	12400 µg/kg	12400J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-104-17-221108-00-01	PCBs	Aroclor 1254	2180 µg/kg	2180J µg/kg	LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	14400 µg/kg	14400J µg/kg	LCSD %R above CL
RB-E-104-74-221108-00-01	PCBs	Aroclor 1254	2920 µg/kg	2920J µg/kg	LCSD %R above CL
		Aroclor 1260	27800 µg/kg	27800J µg/kg	
RB-E-105-17-221108-00-01	PCBs	Aroclor 1254	970 µg/kg	970J µg/kg	LCSD %R above CL
		Aroclor 1260	5040 µg/kg	5040J µg/kg	
RB-E-105-60-221108-00-01	PCBs	Aroclor 1254	1320 µg/kg	1320J µg/kg	LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	7140 µg/kg	7140J µg/kg	LCSD %R above CL
RB-E-109-17-221108-00-01	PCBs	Aroclor 1254	1560 µg/kg	1560J µg/kg	LCSD %R above CL
		Aroclor 1260	9590 µg/kg	9590J µg/kg	
RB-E-109-41-221108-00-01	PCBs	Aroclor 1254	1370 µg/kg	1370J µg/kg	LCSD %R above CL; FD RPD above CL
		Aroclor 1260	8060 µg/kg	8060J µg/kg	LCSD %R above CL
RB-E-109-41-BD0001	PCBs	Aroclor 1254	2310 µg/kg	2310J µg/kg	LCSD %R above CL; FD RPD above CL
		Aroclor 1260	11600 µg/kg	11600J µg/kg	LCSD %R above CL
RB-E-109-63-221108-00-01	PCBs	Aroclor 1254	2150 µg/kg	2150J µg/kg	LCSD %R above CL
		Aroclor 1260	12200 µg/kg	12200J µg/kg	
RB-E-109-82-221108-00-01	PCBs	Aroclor 1254	971 µg/kg	971J µg/kg	LCSD %R above CL
		Aroclor 1260	6420 µg/kg	6420J µg/kg	
RB-E-110-06-221108-00-01	PCBs	Aroclor 1254	1230 µg/kg	1230J µg/kg	LCS %R above CL
		Aroclor 1260	6150 µg/kg	6150J µg/kg	
RB-E-110-33-221108-00-01	PCBs	Aroclor 1254	1580 µg/kg	1580J µg/kg	LCS %R above CL
		Aroclor 1260	8060 µg/kg	8060J µg/kg	
RB-E-111-08-221108-00-01	PCBs	Aroclor 1254	1340 µg/kg	1340J µg/kg	LCS %R above CL
		Aroclor 1260	6080 µg/kg	6080J µg/kg	
RB-E-111-39-221108-00-01	PCBs	Aroclor 1254	1090 µg/kg	1090J µg/kg	LCS %R above CL
		Aroclor 1260	6150 µg/kg	6150J µg/kg	
RB-E-111-81-221108-00-01	PCBs	Aroclor 1254	989 µg/kg	989J µg/kg	LCS %R above CL
		Aroclor 1260	5120 µg/kg	5120J µg/kg	
RB-E-112-17-221108-00-01	PCBs	Aroclor 1254	3550 µg/kg	3550J µg/kg	LCS %R above CL
		Aroclor 1260	12100 µg/kg	12100J µg/kg	
RB-E-112-62-221108-00-01	PCBs	Aroclor 1254	1280 µg/kg	1280J µg/kg	LCS %R above CL
		Aroclor 1260	6680 µg/kg	6680J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-113-04-221108-00-01	PCBs	Aroclor 1254	3940 µg/kg	3940J µg/kg	LCS %R above CL
		Aroclor 1260	20600 µg/kg	20600J µg/kg	
RB-E-113-67-221108-00-01	PCBs	Aroclor 1254	932 µg/kg	932J µg/kg	LCS %R above CL
		Aroclor 1260	5350 µg/kg	5350J µg/kg	
RB-E-114-09-221108-00-01	PCBs	Aroclor 1254	3440 µg/kg	3440J µg/kg	LCS %R above CL
		Aroclor 1260	13100 µg/kg	13100J µg/kg	
RB-E-114-59-221108-00-01	PCBs	Aroclor 1254	1840 µg/kg	1840J µg/kg	LCS %R above CL
		Aroclor 1260	8130 µg/kg	8130J µg/kg	
RB-W-108-01-221109-00-01	PCBs	Aroclor 1254	1090 µg/kg	1090J µg/kg	LCS %R above CL
		Aroclor 1260	5940 µg/kg	5940J µg/kg	
RB-W-108-89-221109-00-01	PCBs	Aroclor 1254	1510 µg/kg	1510J µg/kg	LCS %R above CL
		Aroclor 1260	7050 µg/kg	7050J µg/kg	
RB-W-109-34-221109-00-01	PCBs	Aroclor 1254	940 µg/kg	940J µg/kg	LCS %R above CL
		Aroclor 1260	4570 µg/kg	4570J µg/kg	
RB-W-109-91-221109-00-01	PCBs	Aroclor 1254	1590 µg/kg	1590J µg/kg	LCS %R above CL
		Aroclor 1260	7090 µg/kg	7090J µg/kg	
RB-W-110-10-221109-00-01	PCBs	Aroclor 1254	4480 µg/kg	4480J µg/kg	LCS %R above CL
		Aroclor 1260	15900 µg/kg	15900J µg/kg	
RB-W-110-30-221109-00-01	PCBs	Aroclor 1254	4320 µg/kg	4320J µg/kg	LCS %R above CL
		Aroclor 1260	17200 µg/kg	17200J µg/kg	
RB-W-110-46-221109-00-01	PCBs	Aroclor 1254	5440 µg/kg	5440J µg/kg	LCS %R above CL
		Aroclor 1260	29700 µg/kg	29700J µg/kg	
RB-W-110-66-221109-00-01	PCBs	Aroclor 1254	2150 µg/kg	2150J µg/kg	LCS %R above CL
		Aroclor 1260	9450 µg/kg	9450J µg/kg	
RB-W-110-88-221109-00-01	PCBs	Aroclor 1254	2670 µg/kg	2670J µg/kg	LCS %R above CL
		Aroclor 1260	10500 µg/kg	10500J µg/kg	
RB-W-111-05-221109-00-01	PCBs	Aroclor 1254	2030 µg/kg	2030J µg/kg	LCS %R above CL
		Aroclor 1260	7540 µg/kg	7540J µg/kg	
RB-W-111-28-221109-00-01	PCBs	Aroclor 1254	1260 µg/kg	1260J µg/kg	LCS %R above CL
		Aroclor 1260	4930 µg/kg	4930J µg/kg	
RB-W-111-52-221109-00-01	PCBs	Aroclor 1254	1930 µg/kg	1930J µg/kg	LCS %R above CL
		Aroclor 1260	7240 µg/kg	7240J µg/kg	
RB-W-112-39-221109-00-01	PCBs	Aroclor 1254	2910 µg/kg	2910J µg/kg	LCS %R above CL
		Aroclor 1260	12600 µg/kg	12600J µg/kg	
RB-W-112-68-221109-00-01	PCBs	Aroclor 1254	2630 µg/kg	2630J µg/kg	LCS %R above CL
		Aroclor 1260	10200 µg/kg	10200J µg/kg	
RB-W-112-98-221109-00-01	PCBs	Aroclor 1254	2990 µg/kg	2990J µg/kg	LCS %R above CL
		Aroclor 1260	11500 µg/kg	11500J µg/kg	
RB-W-113-17-221109-00-01	PCBs	Aroclor 1254	1910 µg/kg	1910J µg/kg	LCS %R above CL
		Aroclor 1260	7120 µg/kg	7120J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-113-35-221109-00-01	PCBs	Aroclor 1254	1560 µg/kg	1560J µg/kg	LCS %R above CL
		Aroclor 1260	6120 µg/kg	6120J µg/kg	
RB-W-113-58-221109-00-01	PCBs	Aroclor 1254	2000 µg/kg	2000J µg/kg	LCS %R above CL
		Aroclor 1260	3570 µg/kg	3570J µg/kg	
RB-W-114-06-221109-00-01	PCBs	Aroclor 1254	5040 µg/kg	5040J µg/kg	LCS %R above CL
		Aroclor 1260	22900 µg/kg	22900J µg/kg	
RB-W-114-55-221109-00-01	PCBs	Aroclor 1254	1900 µg/kg	1900J µg/kg	LCS %R above CL
		Aroclor 1260	6850 µg/kg	6850J µg/kg	
RB-W-114-94-221109-00-01	PCBs	Aroclor 1254	1030 µg/kg	1030J µg/kg	LCS %R above CL
		Aroclor 1260	3350 µg/kg	3350J µg/kg	
RB-W-115-33-221109-00-01	PCBs	Aroclor 1254	1470 µg/kg	1470J µg/kg	FD RPD above CL; LCS %R above CL
		Aroclor 1260	5020 µg/kg	5020J µg/kg	
RB-W-115-33-BD0001	PCBs	Aroclor 1254	876 µg/kg	876J µg/kg	FD RPD above CL; LCS %R above CL
		Aroclor 1260	2990 µg/kg	2990J µg/kg	
RB-W-115-57-221108-00-01	PCBs	Aroclor 1254	2260 µg/kg	2260J µg/kg	LCS %R above CL
		Aroclor 1260	7490 µg/kg	7490J µg/kg	
RB-W-115-94-221108-00-01	PCBs	Aroclor 1254	705 µg/kg	705J µg/kg	LCS %R above CL
		Aroclor 1260	3340 µg/kg	3340J µg/kg	
RB-W-116-47-221108-00-01	PCBs	Aroclor 1254	2630 µg/kg	2630J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	14800 µg/kg	14800J µg/kg	
RB-W-124-25-221108-00-01	PCBs	Aroclor 1254	3040 µg/kg	3040J µg/kg	LCS %R above CL
		Aroclor 1260	10600 µg/kg	10600J µg/kg	
RB-W-127-93-221108-00-01	PCBs	Aroclor 1254	1230 µg/kg	1230J µg/kg	FD RPD above CL
		Aroclor 1260	4260 µg/kg	4260J µg/kg	
RB-W-127-93-BD0001	PCBs	Aroclor 1254	3900 µg/kg	3900J µg/kg	FD RPD above CL
		Aroclor 1260	13600 µg/kg	13600J µg/kg	
RB-W-128-32-221108-00-01	PCBs	Aroclor 1254	4180 µg/kg	4180J µg/kg	Surrogate %R above CL
		Aroclor 1260	16100 µg/kg	16100J µg/kg	
RB-W-129-06-221108-00-01	PCBs	Aroclor 1254	2840 µg/kg	2840J µg/kg	Surrogate %R above CL
		Aroclor 1260	8450 µg/kg	8450J µg/kg	
SE-149-52-C-221109-0.5-01	Conventionals	TOC	1150 mg/kg	1150J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	452 µg/kg	452J µg/kg	Surrogate %R above CL
		Aroclor 1260	1690 µg/kg	1690J µg/kg	
SE-149-52-C-221109-00-0.5	Conventionals	TOC	1800 mg/kg	1800J mg/kg	MS/MSD %R below CL
SE-149-52-C-221109-01-1.39	Conventionals	TOC	1200 mg/kg	1200J mg/kg	MS/MSD %R below CL
SE-149-52-C-BD0001	Conventionals	TOC	1780 mg/kg	1780J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-149-52-E-221109-0.5-0.74	Conventionals	TOC	1720 mg/kg	1720J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	2030 µg/kg	2030J µg/kg	Surrogate %R above CL
		Aroclor 1260	10400 µg/kg	10400J µg/kg	
SE-149-52-E-221109-00-0.5	Conventionals	TOC	1020 mg/kg	1020J mg/kg	MS/MSD %R below CL
SE-149-52-W-221109-0.5-01	Conventionals	TOC	15800 mg/kg	15800J mg/kg	MS/MSD %R below CL
SE-149-52-W-221109-00-0.5	Conventionals	TOC	24900 mg/kg	24900J mg/kg	MS/MSD %R below CL
SE-149-52-W-221109-01-1.5	Conventionals	TOC	7150 mg/kg	7150J mg/kg	MS/MSD %R below CL
SE-149-52-W-221109-02-2.25	Conventionals	TOC	4840 mg/kg	4840J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	4480 µg/kg	4480J µg/kg	Surrogate %R above CL
SE-149-52-W-221109-1.5-02	Conventionals	TOC	2020 mg/kg	2020J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	933 µg/kg	933J µg/kg	Surrogate %R above CL
		Aroclor 1260	2600 µg/kg	2600J µg/kg	
SE-152-01-C-221109-0.5-01	Conventionals	TOC	3790 mg/kg	3790J mg/kg	MS/MSD %R below CL
SE-152-01-C-221109-00-0.5	Conventionals	TOC	9150 mg/kg	9150J mg/kg	Holding Times
	PCBs	Aroclor 1254	1660 µg/kg	1660J µg/kg	Surrogate %R above CL
		Aroclor 1260	6400 µg/kg	6400J µg/kg	
SE-152-01-C-221109-01-1.2	Conventionals	TOC	402 mg/kg	402J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	26.9 µg/kg	26.9J µg/kg	LCS %R above CL; Surrogate %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	154 µg/kg	154J µg/kg	LCS %R above CL; Surrogate %R above CL
SE-BW5A-5-D-20-21-221108-00-01	Conventionals	TOC	1920 mg/kg	1920J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	44.3 µg/kg	44.3J µg/kg	LCSD %R above CL
		Aroclor 1260	87.5 µg/kg	87.5J µg/kg	
SE-BW5A-5-D-20-21-221108-01-1.5	Conventionals	TOC	1390 mg/kg	1390J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-20-21-221108-02-2.2	Conventionals	TOC	823 mg/kg	823J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-20-21-221108-1.5-02	Conventionals	TOC	683 mg/kg	683J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-5-D-E-21-22-221108-00-01	Conventionals	TOC	15900 mg/kg	15900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	788 µg/kg	788J µg/kg	LCSD %R above CL
		Aroclor 1260	970 µg/kg	970J µg/kg	
SE-BW5A-5-D-E-21-22-221108-01-1.5	Conventionals	TOC	932 mg/kg	932J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-21-22-221108-02-2.3	Conventionals	TOC	364 mg/kg	364J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-21-22-221108-1.5-02	Conventionals	TOC	294 mg/kg	294J mg/kg	MS/MSD %R below CL
SE-BW5A-5-D-E-21-22-BD0001	Conventionals	TOC	535 mg/kg	535J mg/kg	MS/MSD %R below CL
SE-BW5A-5-E-22-23-221108-00-01	Conventionals	TOC	19800 mg/kg	19800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	777 µg/kg	777J µg/kg	LCSD %R above CL
		Aroclor 1260	906 µg/kg	906J µg/kg	
SE-BW5A-5-E-22-23-221108-01-1.5	Conventionals	TOC	14700 mg/kg	14700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	245 µg/kg	245J µg/kg	LCSD %R above CL
		Aroclor 1260	305 µg/kg	305J µg/kg	
SE-BW5A-5-E-22-23-221108-02-2.5	Conventionals	TOC	587 mg/kg	587J mg/kg	MS/MSD %R below CL
SE-BW5A-5-E-22-23-221108-1.5-02	Conventionals	TOC	518 mg/kg	518J mg/kg	MS/MSD %R below CL
SE-BW5A-5-E-22-23-221108-2.5-2.65	Conventionals	TOC	314 mg/kg	314J mg/kg	MS/MSD %R below CL
RB-2211101415	PCBs	Aroclor 1016	0.25 ug/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-W-050-40-221110-00-01	PCBs	Aroclor 1254	161 µg/kg	161J µg/kg	LCS %R above CL
		Aroclor 1260	514 µg/kg	514J µg/kg	
RB-W-050-62-221110-00-01	PCBs	Aroclor 1254	43.8 µg/kg	43.8J µg/kg	LCS %R above CL
		Aroclor 1260	207 µg/kg	207J µg/kg	
RB-W-051-44-221110-00-01	PCBs	Aroclor 1254	334 µg/kg	334J µg/kg	LCS %R above CL
		Aroclor 1260	1250 µg/kg	1250J µg/kg	
RB-W-051-92-221110-00-01	PCBs	Aroclor 1254	7870 µg/kg	7870J µg/kg	LCS %R above CL
		Aroclor 1260	26300 µg/kg	26300J µg/kg	
RB-W-052-37-221110-00-01	PCBs	Aroclor 1254	686 µg/kg	686J µg/kg	LCS %R above CL
		Aroclor 1260	2050 µg/kg	2050J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-053-05-221110-00-01	PCBs	Aroclor 1254	295 µg/kg	295J µg/kg	LCS %R above CL
		Aroclor 1260	618 µg/kg	618J µg/kg	
RB-W-053-05-BD0001	PCBs	Aroclor 1254	270 µg/kg	270J µg/kg	LCS %R above CL
		Aroclor 1260	720 µg/kg	720J µg/kg	
RB-W-053-81-221110-00-01	PCBs	Aroclor 1254	567 µg/kg	567J µg/kg	LCS %R above CL
		Aroclor 1260	1430 µg/kg	1430J µg/kg	
RB-W-054-55-221110-00-01	PCBs	Aroclor 1254	1280 µg/kg	1280J µg/kg	LCS %R above CL
		Aroclor 1260	4130 µg/kg	4130J µg/kg	
RB-W-055-09-221110-00-01	PCBs	Aroclor 1254	865 µg/kg	865J µg/kg	LCS %R above CL
		Aroclor 1260	3220 µg/kg	3220J µg/kg	
RB-W-055-65-221110-00-01	PCBs	Aroclor 1254	753 µg/kg	753J µg/kg	LCS %R above CL
		Aroclor 1260	2680 µg/kg	2680J µg/kg	
RB-W-056-07-221110-00-01	PCBs	Aroclor 1254	744 µg/kg	744J µg/kg	LCS %R above CL
		Aroclor 1260	2770 µg/kg	2770J µg/kg	
RB-W-056-60-221110-00-01	PCBs	Aroclor 1254	1860 µg/kg	1860J µg/kg	LCS %R above CL
		Aroclor 1260	5270 µg/kg	5270J µg/kg	
RB-W-057-11-221110-00-01	PCBs	Aroclor 1254	918 µg/kg	918J µg/kg	LCS %R above CL
		Aroclor 1260	3250 µg/kg	3250J µg/kg	
RB-W-057-34-221110-00-01	PCBs	Aroclor 1254	640 µg/kg	640J µg/kg	LCS %R above CL
		Aroclor 1260	1790 µg/kg	1790J µg/kg	
RB-W-057-95-221110-00-01	PCBs	Aroclor 1254	728 µg/kg	728J µg/kg	LCS %R above CL
		Aroclor 1260	1780 µg/kg	1780J µg/kg	
RB-W-085-66-221110-00-01	PCBs	Aroclor 1254	1920 µg/kg	1920J µg/kg	LCS %R above CL
		Aroclor 1260	7280 µg/kg	7280J µg/kg	
RB-W-086-64-221110-00-01	PCBs	Aroclor 1254	666 µg/kg	666J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	1490 µg/kg	1490J µg/kg	
RB-W-087-12-221110-00-01	PCBs	Aroclor 1254	1320 µg/kg	1320J µg/kg	LCS %R above CL
		Aroclor 1260	4800 µg/kg	4800J µg/kg	
RB-W-087-75-221110-00-01	PCBs	Aroclor 1254	974 µg/kg	974J µg/kg	LCS %R above CL
		Aroclor 1260	2380 µg/kg	2380J µg/kg	
RB-W-088-100-221110-00-01	PCBs	Aroclor 1254	533 µg/kg	533J µg/kg	LCS %R above CL
		Aroclor 1260	1510 µg/kg	1510J µg/kg	
RB-W-088-52-221110-00-01	PCBs	Aroclor 1254	473 µg/kg	473J µg/kg	LCS %R above CL
		Aroclor 1260	1650 µg/kg	1650J µg/kg	
RB-W-089-41-221110-00-01	PCBs	Aroclor 1254	940 µg/kg	940J µg/kg	LCS %R above CL
		Aroclor 1260	3150 µg/kg	3150J µg/kg	
RB-W-089-41-BD0001	PCBs	Aroclor 1254	1060 µg/kg	1060J µg/kg	LCS %R above CL
		Aroclor 1260	4410 µg/kg	4410J µg/kg	
	PCBs	Aroclor 1254	1290 µg/kg	1290J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-089-90-221110-00-01		Aroclor 1260	5260 µg/kg	5260J µg/kg	LCS %R above CL
RB-W-090-08-221110-00-01	PCBs	Aroclor 1254	3030 µg/kg	3030J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	11500 µg/kg	11500J µg/kg	
RB-W-090-25-221110-00-01	PCBs	Aroclor 1254	1750 µg/kg	1750J µg/kg	LCS %R above CL
		Aroclor 1260	7260 µg/kg	7260J µg/kg	
RB-W-090-41-221110-00-01	PCBs	Aroclor 1254	8590 µg/kg	8590J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	14200 µg/kg	14200J µg/kg	LCS %R above CL
RB-W-090-61-221110-00-01	PCBs	Aroclor 1254	1030 µg/kg	1030J µg/kg	LCS %R above CL
		Aroclor 1260	4600 µg/kg	4600J µg/kg	
RB-W-091-03-221110-00-01	PCBs	Aroclor 1254	1220 µg/kg	1220J µg/kg	LCS %R above CL
		Aroclor 1260	5440 µg/kg	5440J µg/kg	
RB-W-091-21-221110-00-01	PCBs	Aroclor 1254	918 µg/kg	918J µg/kg	LCS %R above CL
		Aroclor 1260	3720 µg/kg	3720J µg/kg	
RB-W-091-44-221110-00-01	PCBs	Aroclor 1254	760 µg/kg	760J µg/kg	LCS %R above CL
		Aroclor 1260	2910 µg/kg	2910J µg/kg	
RB-W-091-68-221110-00-01	PCBs	Aroclor 1254	928 µg/kg	928J µg/kg	LCS %R above CL
		Aroclor 1260	3860 µg/kg	3860J µg/kg	
RB-W-092-35-221110-00-01	PCBs	Aroclor 1254	2360 µg/kg	2360J µg/kg	LCS %R above CL
		Aroclor 1260	9880 µg/kg	9880J µg/kg	
RB-W-092-84-221110-00-01	PCBs	Aroclor 1254	2250 µg/kg	2250J µg/kg	LCS %R above CL
		Aroclor 1260	21000 µg/kg	21000J µg/kg	
RB-W-093-40-221110-00-01	PCBs	Aroclor 1254	1130 µg/kg	1130J µg/kg	LCS %R above CL
		Aroclor 1260	4110 µg/kg	4110J µg/kg	
RB-W-093-68-221110-00-01	PCBs	Aroclor 1254	973 µg/kg	973J µg/kg	LCS %R above CL
		Aroclor 1260	3440 µg/kg	3440J µg/kg	
RB-W-094-18-221110-00-01	PCBs	Aroclor 1254	962 µg/kg	962J µg/kg	LCS %R above CL
		Aroclor 1260	3340 µg/kg	3340J µg/kg	
RB-W-104-76-221110-00-01	PCBs	Aroclor 1254	1020 µg/kg	1020J µg/kg	LCSD %R above CL; FD RPD above CL
		Aroclor 1260	4010 µg/kg	4010J µg/kg	
RB-W-104-76-BD0001	PCBs	Aroclor 1254	1940 µg/kg	1940J µg/kg	LCSD %R above CL; FD RPD above CL
		Aroclor 1260	10700 µg/kg	10700J µg/kg	
RB-W-104-99-221110-00-01	PCBs	Aroclor 1254	759 µg/kg	759J µg/kg	LCSD %R above CL
		Aroclor 1260	2860 µg/kg	2860J µg/kg	
RB-W-105-24-221110-00-01	PCBs	Aroclor 1254	1250 µg/kg	1250J µg/kg	LCSD %R above CL
		Aroclor 1260	4900 µg/kg	4900J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-105-86-221110-00-01	PCBs	Aroclor 1254	1620 µg/kg	1620J µg/kg	LCSD %R above CL
		Aroclor 1260	5950 µg/kg	5950J µg/kg	
RB-W-106-26-221110-00-01	PCBs	Aroclor 1254	1830 µg/kg	1830J µg/kg	LCSD %R above CL
		Aroclor 1260	6920 µg/kg	6920J µg/kg	

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-089-15-221109-00-01	JD55702-1	JD55702	Soil	PCBs, TS
RB-E-089-72-221109-00-01	JD55702-2	JD55702	Soil	PCBs, TS
RB-E-090-53-221109-00-01	JD55702-3	JD55702	Soil	PCBs, TS
RB-E-091-17-221109-00-01	JD55702-4	JD55702	Soil	PCBs, TS
RB-E-091-71-221109-00-01	JD55702-5	JD55702	Soil	PCBs, TS
RB-E-092-11-221109-00-01	JD55702-6	JD55702	Soil	PCBs, TS
RB-E-092-23-221109-00-01	JD55702-7	JD55702	Soil	PCBs, TS
RB-E-092-49-221109-00-01	JD55702-8	JD55702	Soil	PCBs, TS
RB-E-092-94-221109-00-01	JD55702-9	JD55702	Soil	PCBs, TS
RB-E-093-53-221109-00-01	JD55702-10	JD55702	Soil	PCBs, TS
RB-E-093-53-BD0001	JD55702-11	JD55702	Soil	PCBs, TS
RB-E-093-96-221109-00-01	JD55702-12	JD55702	Soil	PCBs, TS
RB-E-094-43-221109-00-01	JD55702-13	JD55702	Soil	PCBs, TS
RB-E-094-65-221109-00-01	JD55702-14	JD55702	Soil	PCBs, TS
RB-E-094-87-221109-00-01	JD55702-15	JD55702	Soil	PCBs, TS
RB-E-095-09-221109-00-01	JD55702-16	JD55702	Soil	PCBs, TS, GS, MC
RB-E-095-31-221109-00-01	JD55702-17	JD55702	Soil	PCBs, TS
RB-E-095-49-221109-00-01	JD55702-18	JD55702	Soil	PCBs, TS
RB-E-095-71-221109-00-01	JD55702-19	JD55702	Soil	PCBs, TS
RB-E-096-20-221109-00-01	JD55702-20	JD55702	Soil	PCBs, TS
RB-E-096-45-221109-00-01	JD55702-21	JD55702	Soil	PCBs, TS
RB-E-096-80-221109-00-01	JD55702-22	JD55702	Soil	PCBs, TS
RB-E-097-60-221109-00-01	JD55702-23	JD55702	Soil	PCBs, TS
RB-E-098-56-221109-00-01	JD55702-24	JD55702	Soil	PCBs, TS
RB-E-098-95-221109-00-01	JD55702-25	JD55702	Soil	PCBs, TS
RB-E-102-11-221108-00-01	JD55702-26	JD55702	Soil	PCBs, TS
RB-E-102-35-221108-00-01	JD55702-27	JD55702	Soil	PCBs, TS
RB-E-102-64-221108-00-01	JD55702-28	JD55702	Soil	PCBs, TS
RB-E-102-84-221108-00-01	JD55702-29	JD55702	Soil	PCBs, TS
RB-E-103-51-221108-00-01	JD55702-30	JD55702	Soil	PCBs, TS, GS, MC
RB-E-103-72-221108-00-01	JD55702-31	JD55702	Soil	PCBs, TS
RB-E-104-17-221108-00-01	JD55702-32	JD55702	Soil	PCBs, TS
RB-E-104-74-221108-00-01	JD55702-33	JD55702	Soil	PCBs, TS
RB-E-105-17-221108-00-01	JD55702-34	JD55702	Soil	PCBs, TS
RB-E-105-60-221108-00-01	JD55702-35	JD55702	Soil	PCBs, TS
RB-E-109-17-221108-00-01	JD55702-36	JD55702	Soil	PCBs, TS, GS, MC
RB-E-109-41-221108-00-01	JD55702-37	JD55702	Soil	PCBs, TS
RB-E-109-41-BD0001	JD55702-38	JD55702	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-109-63-221108-00-01	JD55702-39	JD55702	Soil	PCBs, TS
RB-E-109-82-221108-00-01	JD55702-40	JD55702	Soil	PCBs, TS
RB-E-110-06-221108-00-01	JD55702-41	JD55702	Soil	PCBs, TS
RB-E-110-33-221108-00-01	JD55702-42	JD55702	Soil	PCBs, TS
RB-E-111-08-221108-00-01	JD55702-43	JD55702	Soil	PCBs, TS
RB-E-111-39-221108-00-01	JD55702-44	JD55702	Soil	PCBs, TS
RB-E-111-81-221108-00-01	JD55702-45	JD55702	Soil	PCBs, TS
RB-E-112-17-221108-00-01	JD55702-46	JD55702	Soil	PCBs, TS
RB-E-112-62-221108-00-01	JD55702-47	JD55702	Soil	PCBs, TS
RB-E-113-04-221108-00-01	JD55702-48	JD55702	Soil	PCBs, TS
RB-E-113-67-221108-00-01	JD55702-49	JD55702	Soil	PCBs, TS
RB-E-114-09-221108-00-01	JD55702-50	JD55702	Soil	PCBs, TS
RB-E-114-59-221108-00-01	JD55702-51	JD55702	Soil	PCBs, TS
RB-W-108-01-221109-00-01	JD55702-52	JD55702	Soil	PCBs, TS
RB-W-108-89-221109-00-01	JD55702-53	JD55702	Soil	PCBs, TS
RB-W-109-34-221109-00-01	JD55702-54	JD55702	Soil	PCBs, TS
RB-W-109-91-221109-00-01	JD55702-55	JD55702	Soil	PCBs, TS, GS, MC
RB-W-110-10-221109-00-01	JD55702-56	JD55702	Soil	PCBs, TS
RB-W-110-30-221109-00-01	JD55702-57	JD55702	Soil	PCBs, TS
RB-W-110-46-221109-00-01	JD55702-58	JD55702	Soil	PCBs, TS
RB-W-110-66-221109-00-01	JD55702-59	JD55702	Soil	PCBs, TS
RB-W-110-88-221109-00-01	JD55702-60	JD55702	Soil	PCBs, TS
RB-W-111-05-221109-00-01	JD55702-61	JD55702	Soil	PCBs, TS
RB-W-111-28-221109-00-01	JD55702-62	JD55702	Soil	PCBs, TS
RB-W-111-52-221109-00-01	JD55702-63	JD55702	Soil	PCBs, TS
RB-2211091418	JD55702-64	JD55702	Water	PCBs
RB-W-112-39-221109-00-01	JD55702-65	JD55702	Soil	PCBs, TS
RB-W-112-68-221109-00-01	JD55702-66	JD55702	Soil	PCBs, TS
RB-W-112-98-221109-00-01	JD55702-67	JD55702	Soil	PCBs, TS
RB-W-113-17-221109-00-01	JD55702-68	JD55702	Soil	PCBs, TS
RB-W-113-35-221109-00-01	JD55702-69	JD55702	Soil	PCBs, TS
RB-2211091415	JD55702-70	JD55702	Water	PCBs
RB-W-113-58-221109-00-01	JD55702-71	JD55702	Soil	PCBs, TS
RB-W-114-06-221109-00-01	JD55702-72	JD55702	Soil	PCBs, TS, GS, MC
RB-W-114-55-221109-00-01	JD55702-73	JD55702	Soil	PCBs, TS
RB-W-114-94-221109-00-01	JD55702-74	JD55702	Soil	PCBs, TS
RB-W-115-33-221109-00-01	JD55702-75	JD55702	Soil	PCBs, TS
RB-W-115-33-BD0001	JD55702-76	JD55702	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-115-57-221108-00-01	JD55702-77	JD55702	Soil	PCBs, TS
RB-W-115-94-221108-00-01	JD55702-78	JD55702	Soil	PCBs, TS
RB-W-116-47-221108-00-01	JD55702-79	JD55702	Soil	PCBs, TS
RB-W-116-95-221108-00-01	JD55702-80	JD55702	Soil	PCBs, TS
RB-W-118-06-221108-00-01	JD55702-81	JD55702	Soil	PCBs, TS
RB-W-118-46-221108-00-01	JD55702-82	JD55702	Soil	PCBs, TS, GS, MC
RB-W-121-03-221108-00-01	JD55702-83	JD55702	Soil	PCBs, TS
RB-W-121-69-221108-00-01	JD55702-84	JD55702	Soil	PCBs, TS
RB-W-122-42-221108-00-01	JD55702-85	JD55702	Soil	PCBs, TS
RB-W-122-98-221108-00-01	JD55702-86	JD55702	Soil	PCBs, TS
RB-W-123-57-221108-00-01	JD55702-87	JD55702	Soil	PCBs, TS
RB-W-123-92-221108-00-01	JD55702-88	JD55702	Soil	PCBs, TS, GS, MC
RB-W-124-25-221108-00-01	JD55702-89	JD55702	Soil	PCBs, TS
RB-2211081407	JD55702-90	JD55702	Water	PCBs
RB-W-124-65-221108-00-01	JD55702-91	JD55702	Soil	PCBs, TS
RB-W-124-83-221108-00-01	JD55702-92	JD55702	Soil	PCBs, TS
RB-W-125-04-221108-00-01	JD55702-93	JD55702	Soil	PCBs, TS
RB-W-125-46-221108-00-01	JD55702-94	JD55702	Soil	PCBs, TS
RB-W-125-96-221108-00-01	JD55702-95	JD55702	Soil	PCBs, TS
RB-W-126-53-221108-00-01	JD55702-96	JD55702	Soil	PCBs, TS
RB-2211081403	JD55702-97	JD55702	Water	PCBs
RB-W-127-12-221108-00-01	JD55702-98	JD55702	Soil	PCBs, TS
RB-W-127-46-221108-00-01	JD55702-99	JD55702	Soil	PCBs, TS
RB-W-127-93-221108-00-01	JD55702-100	JD55702	Soil	PCBs, TS
RB-W-127-93-BD0001	JD55702-101	JD55702	Soil	PCBs, TS
RB-W-128-32-221108-00-01	JD55702-102	JD55702	Soil	PCBs, TS
RB-W-129-06-221108-00-01	JD55702-103	JD55702	Soil	PCBs, TS, GS, MC, SG, Density
SE-149-52-WG-221109-00-2.25	JD55703-1	JD55703	Sediment	GS, MC
RB-2211091405	JD55703-2	JD55703	Water	PCBs, TOC
SE-149-52-C-221109-0.5-01	JD55703-3	JD55703	Sediment	PCBs, TOC, TS
SE-149-52-C-221109-00-0.5	JD55703-4	JD55703	Sediment	PCBs, TOC, TS
SE-149-52-C-221109-01-1.39	JD55703-5	JD55703	Sediment	PCBs, TOC, TS
SE-149-52-C-BD0001	JD55703-6	JD55703	Sediment	PCBs, TOC, TS
SE-149-52-E-221109-0.5-0.74	JD55703-7	JD55703	Sediment	PCBs, TOC, TS
SE-149-52-E-221109-00-0.5	JD55703-8	JD55703	Sediment	PCBs, TOC, TS
SE-149-52-W-221109-0.5-01	JD55703-9	JD55703	Sediment	PCBs, TOC, TS
SE-149-52-W-221109-00-0.5	JD55703-10	JD55703	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-149-52-W-221109-01-1.5	JD55703-11	JD55703	Sediment	PCBs, TOC, TS
SE-149-52-W-221109-02-2.25	JD55703-12	JD55703	Sediment	PCBs, TOC, TS
SE-149-52-W-221109-1.5-02	JD55703-13	JD55703	Sediment	PCBs, TOC, TS
SE-152-01-C-221109-0.5-01	JD55703-14	JD55703	Sediment	PCBs, TOC, TS
SE-152-01-C-221109-00-0.5	JD55703-15	JD55703	Sediment	PCBs, TOC, TS
SE-152-01-C-221109-01-1.2	JD55703-16	JD55703	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-20-21-221108-00-01	JD55709-1	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-20-21-221108-01-1.5	JD55709-2	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-20-21-221108-02-2.2	JD55709-3	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-20-21-221108-1.5-02	JD55709-4	JD55709	Sediment	PCBs, TOC, TS
RB-2211081454	JD55709-5	JD55709	Water	PCBs, TOC
SE-BW5A-5-D-E-21-22-221108-00-01	JD55709-6	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-21-22-221108-01-1.5	JD55709-7	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-21-22-221108-02-2.3	JD55709-8	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-21-22-221108-1.5-02	JD55709-9	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-D-E-21-22-BD0001	JD55709-10	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-22-23-221108-00-01	JD55709-11	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-22-23-221108-01-1.5	JD55709-12	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-22-23-221108-02-2.5	JD55709-13	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-22-23-221108-1.5-02	JD55709-14	JD55709	Sediment	PCBs, TOC, TS
SE-BW5A-5-E-22-23-221108-2.5-2.65	JD55709-15	JD55709	Sediment	PCBs, TOC, TS
RB-W-050-40-221110-00-01	JD55749-1	JD55749	Soil	PCBs, TS
RB-W-050-62-221110-00-01	JD55749-2	JD55749	Soil	PCBs, TS
RB-W-051-44-221110-00-01	JD55749-3	JD55749	Soil	PCBs, TS
RB-W-051-92-221110-00-01	JD55749-4	JD55749	Soil	PCBs, TS
RB-W-052-37-221110-00-01	JD55749-5	JD55749	Soil	PCBs, TS
RB-W-053-05-221110-00-01	JD55749-6	JD55749	Soil	PCBs, TS
RB-W-053-05-BD0001	JD55749-7	JD55749	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-053-81-221110-00-01	JD55749-8	JD55749	Soil	PCBs, TS
RB-W-054-55-221110-00-01	JD55749-9	JD55749	Soil	PCBs, TS, GS, MC
RB-W-055-09-221110-00-01	JD55749-10	JD55749	Soil	PCBs, TS
RB-W-055-65-221110-00-01	JD55749-11	JD55749	Soil	PCBs, TS
RB-W-056-07-221110-00-01	JD55749-12	JD55749	Soil	PCBs, TS
RB-W-056-60-221110-00-01	JD55749-13	JD55749	Soil	PCBs, TS
RB-2211101318	JD55749-14	JD55749	Water	PCBs
RB-W-057-11-221110-00-01	JD55749-15	JD55749	Soil	PCBs, TS
RB-W-057-34-221110-00-01	JD55749-16	JD55749	Soil	PCBs, TS, GS, MC
RB-W-057-95-221110-00-01	JD55749-17	JD55749	Soil	PCBs, TS
RB-W-085-66-221110-00-01	JD55749-18	JD55749	Soil	PCBs, TS, GS, MC
RB-W-086-64-221110-00-01	JD55749-19	JD55749	Soil	PCBs, TS
RB-W-087-12-221110-00-01	JD55749-20	JD55749	Soil	PCBs, TS
RB-W-087-75-221110-00-01	JD55749-21	JD55749	Soil	PCBs, TS
RB-W-088-100-221110-00-01	JD55749-22	JD55749	Soil	PCBs, TS
RB-W-088-52-221110-00-01	JD55749-23	JD55749	Soil	PCBs, TS
RB-W-089-41-221110-00-01	JD55749-24	JD55749	Soil	PCBs, TS
RB-W-089-41-BD0001	JD55749-25	JD55749	Soil	PCBs, TS
RB-W-089-90-221110-00-01	JD55749-26	JD55749	Soil	PCBs, TS, GS, MC
RB-W-090-08-221110-00-01	JD55749-27	JD55749	Soil	PCBs, TS
RB-W-090-25-221110-00-01	JD55749-28	JD55749	Soil	PCBs, TS
RB-W-090-41-221110-00-01	JD55749-29	JD55749	Soil	PCBs, TS
RB-W-090-61-221110-00-01	JD55749-30	JD55749	Soil	PCBs, TS
RB-W-091-03-221110-00-01	JD55749-31	JD55749	Soil	PCBs, TS
RB-W-091-21-221110-00-01	JD55749-32	JD55749	Soil	PCBs, TS
RB-W-091-44-221110-00-01	JD55749-33	JD55749	Soil	PCBs, TS
RB-W-091-68-221110-00-01	JD55749-34	JD55749	Soil	PCBs, TS
RB-W-092-35-221110-00-01	JD55749-35	JD55749	Soil	PCBs, TS
RB-W-092-84-221110-00-01	JD55749-36	JD55749	Soil	PCBs, TS
RB-W-093-40-221110-00-01	JD55749-37	JD55749	Soil	PCBs, TS
RB-W-093-68-221110-00-01	JD55749-38	JD55749	Soil	PCBs, TS
RB-W-094-18-221110-00-01	JD55749-39	JD55749	Soil	PCBs, TS
RB-W-094-78-221110-00-01	JD55749-40	JD55749	Soil	PCBs, TS, GS, MC
RB-W-095-38-221110-00-01	JD55749-41	JD55749	Soil	PCBs, TS, GS, MC
RB-W-095-94-221110-00-01	JD55749-42	JD55749	Soil	PCBs, TS
RB-W-096-42-221110-00-01	JD55749-43	JD55749	Soil	PCBs, TS
RB-W-096-83-221110-00-01	JD55749-44	JD55749	Soil	PCBs, TS
RB-W-097-19-221110-00-01	JD55749-45	JD55749	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-097-51-221110-00-01	JD55749-46	JD55749	Soil	PCBs, TS
RB-W-097-82-221110-00-01	JD55749-47	JD55749	Soil	PCBs, TS
RB-W-098-33-221110-00-01	JD55749-48	JD55749	Soil	PCBs, TS
RB-W-098-54-221110-00-01	JD55749-49	JD55749	Soil	PCBs, TS
RB-W-101-91-221110-00-01	JD55749-50	JD55749	Soil	PCBs, TS
RB-W-102-40-221110-00-01	JD55749-51	JD55749	Soil	PCBs, TS
RB-W-102-81-221110-00-01	JD55749-52	JD55749	Soil	PCBs, TS
RB-W-103-12-221110-00-01	JD55749-53	JD55749	Soil	PCBs, TS, GS, MC
RB-2211101415	JD55749-54	JD55749	Water	PCBs
RB-W-103-37-221110-00-01	JD55749-55	JD55749	Soil	PCBs, TS
RB-W-103-60-221110-00-01	JD55749-56	JD55749	Soil	PCBs, TS
RB-W-103-84-221110-00-01	JD55749-57	JD55749	Soil	PCBs, TS, GS, MC, SG, Density
RB-W-104-10-221110-00-01	JD55749-58	JD55749	Soil	PCBs, TS
RB-W-104-76-221110-00-01	JD55749-59	JD55749	Soil	PCBs, TS
RB-W-104-76-BD0001	JD55749-60	JD55749	Soil	PCBs, TS
RB-W-104-99-221110-00-01	JD55749-61	JD55749	Soil	PCBs
RB-W-105-24-221110-00-01	JD55749-62	JD55749	Soil	PCBs, TS
RB-W-105-86-221110-00-01	JD55749-63	JD55749	Soil	PCBs, TS
RB-W-106-26-221110-00-01	JD55749-64	JD55749	Soil	PCBs, TS
RB-2211101403	JD55749-65	JD55749	Water	PCBs
RB-W-107-50-221110-00-01	JD55749-67	JD55749	Soil	PCBs, TS

Data Validation Report – EPA Stage 2A

May 5, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0086

This report summarizes the review of analytical results for 83 soil samples, 45 sediment samples, 5 field duplicate samples, and 5 equipment rinsate blanks collected in November 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Four SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field Quality Control (QC) included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Five equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and one was analyzed for TOC. Results were below detection with the exception of the TOC result for sample RB-2211101424. All sample results were greater than five times (5X) the concentration of the blank, so no data were qualified.

Table 1
Field Blank Results Summary

Sample ID	Analyte	Result
RB-2211101424	TOC	2.1 mg/L

Field Duplicates

Five field duplicates were collected in association with these sample sets. Detected results are summarized in Table 2. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD values above control limits have been qualified "J" to indicate they are estimated.

Table 2
Field Duplicate Summary

Analyte	RB-E-070-17- 221114-00-01	RB-E-070-17- BD0001	RPD
Total solids	72.2%	73.3%	2%
Aroclor 1254	1760 µg/kg	1760 µg/kg	0%
Aroclor 1260	6890 µg/kg	7590 µg/kg	10%

Analyte	RB-W-063-07- 221114-00-01	RB-W-063-07- BD0001	RPD
Total solids	66.5%	65.4%	2%
Aroclor 1254	995 µg/kg	629 µg/kg	45%
Aroclor 1260	3120 µg/kg	1920 µg/kg	48%

Analyte	SE-154-51-E- 221110-01-1.5	SE-154-51-E- BD0001	RPD
TOC	18500 mg/kg	22900 mg/kg	21%
Total solids	81.1%	79.7%	2%
Aroclor 1254	1610 µg/kg	40U µg/kg	190%
Aroclor 1260	18300 µg/kg	6080 µg/kg	100%

Analyte	RB-E-043-10- 221111-00-01	RB-E-043-10- BD0001	RPD
Total solids	66.3%	63.4%	4%
Aroclor 1254	2360 µg/kg	3600 µg/kg	42%
Aroclor 1260	9830 µg/kg	11900 µg/kg	19%

Analyte	RB-W-083-40- 221111-00-01	RB-W-083-40- BD0001	RPD
Total solids	85.4%	83.7%	2%
Aroclor 1254	834 µg/kg	864 µg/kg	4%
Aroclor 1260	4010 µg/kg	3880 µg/kg	3%

Notes:

µg/kg: microgram per kilogram

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD55774
 - Tetrachloro-m-xylene (TMX) recovered above the control limit in the analysis of samples SE-159-59-W-221111-00-0.5 and SE-167-11-C-221111-01-1.12. The sample results have been qualified "J" to indicate a high bias.
- SDG JD55775
 - Decachlorobiphenyl (DCB) recovered above the control limit in the analysis of samples SE-157-01-C-221110-0.5-01 and SE-157-01-W-221110-0.5-01. The sample results have been qualified "J" to indicate a high bias.
- SDG JD55777
 - DCB and/or TMX recovered above the control limit in the analysis of samples RB-E-036-50-221111-00-01, RB-E-037-13-221111-00-01, RB-E-039-92-221111-00-01, RB-E-041-66-221111-00-01, RB-E-043-10-BD0001, RB-E-043-74-221111-00-01, and RB-W-073-80-221111-00-01. The sample results have been qualified "J" to indicate a high bias.
 - DCB and/or TMX recovered above the control limit in the analysis of samples RB-E-041-17-221111-00-01 and RB-E-047-05-221111-00-01. The Aroclor 1254 sample results have been qualified "J" to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD55774 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-164-59-E-221111-01-1.5, SE-164-59-W-221111-0.5-01, SE-164-59-W-221111-1.5-1.94, and SE-167-11-C-221111-00-0.5. The Aroclor 1254 results have been qualified "J" as estimated.
- SDG JD55775 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-152-01-E-221110-0.5-01, SE-152-01-E-221110-01-1.5, SE-154-51-C-221110-0.5-

01, and SE-154-51-E-221110-0.5-01. The Aroclor 1254 results have been qualified "J" as estimated.

- SDG JD55777 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples RB-E-038-37-221111-00-01 and RB-E-047-05-221111-00-01. The Aroclor 1254 results have been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batch OP43366
 - Aroclor 1016 and 1260 recovered above the control limit in the LCSD. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43367
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS and Aroclor 1016 recovered above the control limit in the LCSD. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43368
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43371
 - Aroclor 1260 recovered above the control limit in the LCSD. All detected results were qualified "J" to indicate a potentially high bias.
- Aroclor Batch OP43576
 - Aroclor 1016 and 1260 recovered below 10% in the LCS, recovered below the control limit in the LCSD, and the RPD between the LCS and LCSD recovered above the control limit. The results have been rejected due to the LCS recovery below 10%.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD55774

- TOC recovered below the control limit in the MS analyzed on sample SE-162-09-W-221111-00-0.5. Associated batch sample results have been qualified "J".
- TOC recovered below the control limit in the MS and MSD analyzed on sample SE-164-59-W-221111-1.5-1.94 and the RPD between the MS and MSD recovered above the control limit. Associated batch sample results have been qualified "J".
- SDG JD55775
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-152-01-E-221110-0.5-01 and SE-157-01-W-221110-01-1.5. Associated batch sample results have been qualified "J".
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-154-51-E-221110-0.5-01 and the RPD between the MS and MSD recovered above the control limit. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Seven results in one sample were rejected due to low/no recovery. Completeness was greater than 99%; completeness goals were met. Table 3 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-069-16-221114-00-01	PCBs	Aroclor 1254	3910 µg/kg	3910J µg/kg	LCSD %R above CL
		Aroclor 1260	15900 µg/kg	15900J µg/kg	
RB-E-069-68-221114-00-01	PCBs	Aroclor 1254	5000 µg/kg	5000J µg/kg	LCSD %R above CL
		Aroclor 1260	23000 µg/kg	23000J µg/kg	
RB-E-070-17-221114-00-01	PCBs	Aroclor 1254	1760 µg/kg	1760J µg/kg	LCSD %R above CL
		Aroclor 1260	6890 µg/kg	6890J µg/kg	
RB-E-070-17-BD0001	PCBs	Aroclor 1254	1760 µg/kg	1760J µg/kg	LCSD %R above CL
		Aroclor 1260	7590 µg/kg	7590J µg/kg	
RB-W-060-71-221114-00-01	PCBs	Aroclor 1254	1080 µg/kg	1080J µg/kg	LCSD %R above CL
		Aroclor 1260	3080 µg/kg	3080J µg/kg	
RB-W-062-57-221114-00-01	PCBs	Aroclor 1254	1350 µg/kg	1350J µg/kg	LCSD %R above CL
		Aroclor 1260	5140 µg/kg	5140J µg/kg	
RB-W-063-07-221114-00-01	PCBs	Aroclor 1254	995 µg/kg	995J µg/kg	LCSD %R above CL
		Aroclor 1260	3120 µg/kg	3120J µg/kg	
RB-W-063-07-BD0001	PCBs	Aroclor 1254	629 µg/kg	629J µg/kg	LCSD %R above CL
		Aroclor 1260	1920 µg/kg	1920J µg/kg	
RB-W-063-62-221114-00-01	PCBs	Aroclor 1254	1040 µg/kg	1040J µg/kg	LCSD %R above CL
		Aroclor 1260	3420 µg/kg	3420J µg/kg	
RB-W-064-09-221114-00-01	PCBs	Aroclor 1254	1330 µg/kg	1330J µg/kg	LCSD %R above CL
		Aroclor 1260	5850 µg/kg	5850J µg/kg	
RB-W-066-99-221114-00-01	PCBs	Aroclor 1254	1040 µg/kg	1040J µg/kg	LCSD %R above CL
		Aroclor 1260	4480 µg/kg	4480J µg/kg	
RB-W-067-48-221114-00-01	PCBs	Aroclor 1254	852 µg/kg	852J µg/kg	LCSD %R above CL
		Aroclor 1260	3690 µg/kg	3690J µg/kg	
RB-W-067-92-221114-00-01	PCBs	Aroclor 1254	1570 µg/kg	1570J µg/kg	LCSD %R above CL
		Aroclor 1260	8900 µg/kg	8900J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-W-068-40-221114-00-01	PCBs	Aroclor 1254	1550 µg/kg	1550J µg/kg	LCSD %R above CL
		Aroclor 1260	6440 µg/kg	6440J µg/kg	
RB-W-069-37-221114-00-01	PCBs	Aroclor 1254	5900 µg/kg	5900J µg/kg	LCSD %R above CL
		Aroclor 1260	22400 µg/kg	22400J µg/kg	
SE-159-59-W-221111-0.5-0.96	Conventionals	TOC	9940 mg/kg	9940J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	2230 µg/kg	2230J µg/kg	LCSD %R above CL
		Aroclor 1260	10400 µg/kg	10400J µg/kg	
SE-159-59-W-221111-00-0.5	Conventionals	TOC	1570 mg/kg	1570J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	296 µg/kg	296J µg/kg	LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	964 µg/kg	964J µg/kg	
SE-162-09-W-221111-00-0.5	Conventionals	TOC	13700 mg/kg	13700J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	3660 µg/kg	3660J µg/kg	LCSD %R above CL
		Aroclor 1260	14800 µg/kg	14800J µg/kg	
SE-164-59-C-221111-0.5-01	Conventionals	TOC	4770 mg/kg	4770J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	2440 µg/kg	2440J µg/kg	LCSD %R above CL
		Aroclor 1260	11000 µg/kg	11000J µg/kg	
SE-164-59-C-221111-00-0.5	Conventionals	TOC	1850 mg/kg	1850J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	524 µg/kg	524J µg/kg	LCSD %R above CL
		Aroclor 1260	1650 µg/kg	1650J µg/kg	
SE-164-59-C-221111-01-1.3	Conventionals	TOC	10700 mg/kg	10700J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	7660 µg/kg	7660J µg/kg	LCS %R above CL
		Aroclor 1260	37800 µg/kg	37800J µg/kg	
SE-164-59-E-221111-0.5-01	Conventionals	TOC	1310 mg/kg	1310J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	52.0 µg/kg	52.0J µg/kg	LCS %R above CL
		Aroclor 1260	241 µg/kg	241J µg/kg	
SE-164-59-E-221111-00-0.5	Conventionals	TOC	1210 mg/kg	1210J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	123 µg/kg	123J µg/kg	LCS %R above CL
		Aroclor 1260	547 µg/kg	547J µg/kg	
SE-164-59-E-221111-01-1.5	Conventionals	TOC	3320 mg/kg	3320J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	5420 µg/kg	5420J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	16300 µg/kg	16300J µg/kg	LCS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-164-59-W-221111-0.5-01	Conventionals	TOC	5150 mg/kg	5150J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	794 µg/kg	794J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	2970 µg/kg	2970J µg/kg	LCS %R above CL
SE-164-59-W-221111-00-0.5	Conventionals	TOC	1170 mg/kg	1170J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	171 µg/kg	171J µg/kg	LCS %R above CL
		Aroclor 1260	970 µg/kg	970J µg/kg	
SE-164-59-W-221111-01-1.5	Conventionals	TOC	1630 mg/kg	1630J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	1680 µg/kg	1680J µg/kg	LCS %R above CL
		Aroclor 1260	7620 µg/kg	7620J µg/kg	
SE-164-59-W-221111-1.5-1.94	Conventionals	TOC	30900 mg/kg	30900J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	8120 µg/kg	8120J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	15900 µg/kg	15900J µg/kg	LCS %R above CL
SE-167-11-C-221111-0.5-01	Conventionals	TOC	1560 mg/kg	1560J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	130 µg/kg	130J µg/kg	LCS %R above CL
		Aroclor 1260	646 µg/kg	646J µg/kg	
SE-167-11-C-221111-00-0.5	Conventionals	TOC	31800 mg/kg	31800J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	1000 µg/kg	1000J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	5650 µg/kg	5650J µg/kg	LCS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-167-11-C-221111-01-1.12	Conventionals	TOC	6510 mg/kg	6510J mg/kg	MS/MSD %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	30.5 µg/kg	30.5J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	72.4 µg/kg	72.4J µg/kg	
SE-152-01-E-221110-0.5-01	Conventionals	TOC	1020 mg/kg	1020J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1170 µg/kg	1170J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
	PCBs	Aroclor 1260	11200 µg/kg	11200J µg/kg	LCS %R above CL
SE-152-01-E-221110-00-0.5	Conventionals	TOC	1880 mg/kg	1880J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	233 µg/kg	233J µg/kg	LCS %R above CL
		Aroclor 1260	823 µg/kg	823J µg/kg	
SE-152-01-E-221110-01-1.5	Conventionals	TOC	1270 mg/kg	1270J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	247 µg/kg	247J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	4920 µg/kg	4920J µg/kg	LCS %R above CL
SE-152-01-W-221110-0.5-01	Conventionals	TOC	1390 mg/kg	1390J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	84.0 µg/kg	84.0J µg/kg	LCS %R above CL
		Aroclor 1260	609 µg/kg	609J µg/kg	
SE-152-01-W-221110-00-0.5	Conventionals	TOC	1400 mg/kg	1400J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	151 µg/kg	151J µg/kg	LCS %R above CL
		Aroclor 1260	1360 µg/kg	1360J µg/kg	
SE-154-51-C-221110-0.5-01	Conventionals	TOC	1640 mg/kg	1640J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1900 µg/kg	1900J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	13400 µg/kg	13400J µg/kg	LCS %R above CL
SE-154-51-C-221110-00-0.5	Conventionals	TOC	5940 mg/kg	5940J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	2190 µg/kg	2190J µg/kg	LCS %R above CL
		Aroclor 1260	2210 µg/kg	2210J µg/kg	
SE-154-51-C-221110-01-1.41	Conventionals	TOC	595 mg/kg	595J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-154-51-E-221110-0.5-01	Conventionals	TOC	15800 mg/kg	15800J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	426 µg/kg	426J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	4070 µg/kg	4070J µg/kg	LCS %R above CL
SE-154-51-E-221110-00-0.5	Conventionals	TOC	1330 mg/kg	1330J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	468 µg/kg	468J µg/kg	LCS %R above CL
		Aroclor 1260	2900 µg/kg	2900J µg/kg	
SE-154-51-E-221110-01-1.5	Conventionals	TOC	18500 mg/kg	18500J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	1610 µg/kg	1610J µg/kg	FD RPD above CL; LCS %R above CL
		Aroclor 1260	18300 µg/kg	18300J µg/kg	
SE-154-51-E-221110-1.5-1.82	Conventionals	TOC	1670 mg/kg	1670J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	232 µg/kg	232J µg/kg	LCS %R above CL
		Aroclor 1260	2500 µg/kg	2500J µg/kg	
SE-154-51-E-BD0001	Conventionals	TOC	22900 mg/kg	22900J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	40U µg/kg	40UJ µg/kg	FD RPD above CL
		Aroclor 1260	6080 µg/kg	6080J µg/kg	FD RPD above CL; LCS %R above CL
SE-154-51-W-221110-0.5-01	Conventionals	TOC	8840 mg/kg	8840J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	666 µg/kg	666J µg/kg	LCS %R above CL
		Aroclor 1260	2580 µg/kg	2580J µg/kg	
SE-154-51-W-221110-00-0.5	Conventionals	TOC	15100 mg/kg	15100J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	410 µg/kg	410J µg/kg	LCS %R above CL
		Aroclor 1260	1520 µg/kg	1520J µg/kg	
SE-154-51-W-221110-01-1.5	Conventionals	TOC	6820 mg/kg	6820J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	639 µg/kg	639J µg/kg	LCS %R above CL
		Aroclor 1260	3850 µg/kg	3850J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-154-51-W-221110-1.5-02	Conventionals	TOC	7830 mg/kg	7830J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	1210 µg/kg	1210J µg/kg	LCS %R above CL
		Aroclor 1260	6760 µg/kg	6760J µg/kg	
SE-157-01-C-221110-0.5-01	Conventionals	TOC	1720 mg/kg	1720J mg/kg	MS %R below CL; MS/MSD RPD above CL
	PCBs	Aroclor 1254	2910 µg/kg	2910J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	23400 µg/kg	23400J µg/kg	LCS %R above CL
SE-157-01-C-221110-00-0.5	Conventionals	TOC	70000 mg/kg	70000J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	721 µg/kg	721J µg/kg	LCS %R above CL
		Aroclor 1260	2710 µg/kg	2710J µg/kg	LCS %R above CL; Surrogate %R above CL
SE-157-01-C-221110-01-1.5	Conventionals	TOC	2790 mg/kg	2790J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	590 µg/kg	590J µg/kg	LCS %R above CL
		Aroclor 1260	2640 µg/kg	2640J µg/kg	
SE-157-01-C-221110-1.5-1.98	Conventionals	TOC	915 mg/kg	915J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	789 µg/kg	789J µg/kg	LCS %R above CL
		Aroclor 1260	2760 µg/kg	2760J µg/kg	
SE-157-01-E-221110-0.5-01	Conventionals	TOC	1090 mg/kg	1090J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	346 µg/kg	346J µg/kg	LCS %R above CL
		Aroclor 1260	1360 µg/kg	1360J µg/kg	
SE-157-01-E-221110-00-0.5	Conventionals	TOC	1100 mg/kg	1100J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	442 µg/kg	442J µg/kg	LCS %R above CL
		Aroclor 1260	2870 µg/kg	2870J µg/kg	
SE-157-01-E-221110-01-1.5	Conventionals	TOC	8300 mg/kg	8300J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	2700 µg/kg	2700J µg/kg	LCS %R above CL
		Aroclor 1260	8340 µg/kg	8340J µg/kg	
SE-157-01-W-221110-0.5-01	Conventionals	TOC	5220 mg/kg	5220J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	6730 µg/kg	6730J µg/kg	LCS %R above CL; Surrogate %R above CL
	PCBs	Aroclor 1260	28200 µg/kg	28200J µg/kg	LCS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-157-01-W-221110-00-0.5	Conventionals	TOC	1690 mg/kg	1690J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	5750 µg/kg	5750J µg/kg	LCS %R above CL
	PCBs	Aroclor 1260	35100 µg/kg	35100J µg/kg	
SE-157-01-W-221110-01-1.5	Conventionals	TOC	1220 mg/kg	1220J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	1820 µg/kg	1820J µg/kg	LCS %R above CL
		Aroclor 1260	8090 µg/kg	8090J µg/kg	
SE-157-01-W-221110-1.5-1.61	Conventionals	TOC	26800 mg/kg	26800J mg/kg	MSD %R below CL
	PCBs	Aroclor 1254	1150 µg/kg	1150J µg/kg	LCS %R above CL
		Aroclor 1260	3940 µg/kg	3940J µg/kg	
RB-2211110145	PCBs	Aroclor 1016	0.4U ug/L	R	LCS %R below 10%; LCSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-E-035-30-221111-00-01	PCBs	Aroclor 1254	2010 µg/kg	2010J µg/kg	LCS %R above CL
		Aroclor 1260	9430 µg/kg	9430J µg/kg	
RB-E-036-50-221111-00-01	PCBs	Aroclor 1254	3080 µg/kg	3080J µg/kg	Surrogate %R above CL
		Aroclor 1260	9290 µg/kg	9290J µg/kg	
RB-E-037-13-221111-00-01	PCBs	Aroclor 1254	3280 µg/kg	3280J µg/kg	Surrogate %R above CL
		Aroclor 1260	12300 µg/kg	12300J µg/kg	
RB-E-038-37-221111-00-01	PCBs	Aroclor 1254	1390 µg/kg	1390J µg/kg	Column Confirmation RPD above CL
RB-E-039-92-221111-00-01	PCBs	Aroclor 1254	2900 µg/kg	2900J µg/kg	Surrogate %R above CL
		Aroclor 1260	11800 µg/kg	11800J µg/kg	
RB-E-041-17-221111-00-01	PCBs	Aroclor 1254	9960 µg/kg	9960J µg/kg	Surrogate %R above CL
RB-E-041-66-221111-00-01	PCBs	Aroclor 1254	897 µg/kg	897J µg/kg	Surrogate %R above CL
		Aroclor 1260	2970 µg/kg	2970J µg/kg	
RB-E-043-10-BD0001	PCBs	Aroclor 1254	3600 µg/kg	3600J µg/kg	Surrogate %R above CL
		Aroclor 1260	11900 µg/kg	11900J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-043-74-221111-00-01	PCBs	Aroclor 1254	3860 µg/kg	3860J µg/kg	Surrogate %R above CL
		Aroclor 1260	16000 µg/kg	16000J µg/kg	
RB-E-047-05-221111-00-01	PCBs	Aroclor 1254	3800 µg/kg	3800J µg/kg	Column Confirmation RPD above CL; Surrogate %R above CL
RB-W-073-80-221111-00-01	PCBs	Aroclor 1254	1080 µg/kg	1080J µg/kg	Surrogate %R above CL
		Aroclor 1260	6170 µg/kg	6170J µg/kg	
RB-W-079-75-221111-00-01	PCBs	Aroclor 1254	1350 µg/kg	1350J µg/kg	LCSD %R above CL
		Aroclor 1260	6680 µg/kg	6680J µg/kg	
RB-W-079-99-221111-00-01	PCBs	Aroclor 1254	986 µg/kg	986J µg/kg	LCSD %R above CL
		Aroclor 1260	5320 µg/kg	5320J µg/kg	
RB-W-080-18-221111-00-01	PCBs	Aroclor 1254	1140 µg/kg	1140J µg/kg	LCSD %R above CL
		Aroclor 1260	5830 µg/kg	5830J µg/kg	
RB-W-081-31-221111-00-01	PCBs	Aroclor 1254	1890 µg/kg	1890J µg/kg	LCSD %R above CL
		Aroclor 1260	14700 µg/kg	14700J µg/kg	
RB-W-081-93-221111-00-01	PCBs	Aroclor 1254	871 µg/kg	871J µg/kg	LCSD %R above CL
		Aroclor 1260	4410 µg/kg	4410J µg/kg	
RB-W-082-34-221111-00-01	PCBs	Aroclor 1254	1180 µg/kg	1180J µg/kg	LCSD %R above CL
		Aroclor 1260	5390 µg/kg	5390J µg/kg	
RB-W-083-14-221111-00-01	PCBs	Aroclor 1254	3110 µg/kg	3110J µg/kg	LCSD %R above CL
		Aroclor 1260	17900 µg/kg	17900J µg/kg	
RB-W-083-40-221111-00-01	PCBs	Aroclor 1254	834 µg/kg	834J µg/kg	LCSD %R above CL
		Aroclor 1260	4010 µg/kg	4010J µg/kg	
RB-W-083-40-BD0001	PCBs	Aroclor 1254	864 µg/kg	864J µg/kg	LCSD %R above CL
		Aroclor 1260	3880 µg/kg	3880J µg/kg	
RB-W-083-69-221111-00-01	PCBs	Aroclor 1254	731 µg/kg	731J µg/kg	LCSD %R above CL
		Aroclor 1260	3060 µg/kg	3060J µg/kg	
RB-W-084-21-221111-00-01	PCBs	Aroclor 1254	1320 µg/kg	1320J µg/kg	LCSD %R above CL
		Aroclor 1260	5520 µg/kg	5520J µg/kg	
RB-W-084-91-221111-00-01	PCBs	Aroclor 1254	429 µg/kg	429J µg/kg	LCSD %R above CL
		Aroclor 1260	1600 µg/kg	1600J µg/kg	

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.
- EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-032-30-221114-00-01	JD55773-1	JD55773	Soil	PCBs, TS
RB-E-032-52-221114-00-01	JD55773-2	JD55773	Soil	PCBs, TS, MC, GS
RB-E-033-01-221114-00-01	JD55773-3	JD55773	Soil	PCBs, TS
RB-E-033-23-221114-00-01	JD55773-4	JD55773	Soil	PCBs, TS
RB-E-033-44-221114-00-01	JD55773-5	JD55773	Soil	PCBs, TS
RB-E-033-67-221114-00-01	JD55773-6	JD55773	Soil	PCBs, TS
RB-E-033-92-221114-00-01	JD55773-7	JD55773	Soil	PCBs, TS
RB-E-034-16-221114-00-01	JD55773-8	JD55773	Soil	PCBs, TS
RB-E-034-35-221114-00-01	JD55773-9	JD55773	Soil	PCBs, TS
RB-E-034-63-221114-00-01	JD55773-10	JD55773	Soil	PCBs, TS
RB-E-034-87-221114-00-01	JD55773-11	JD55773	Soil	PCBs, TS
RB-E-065-91-221114-00-01	JD55773-12	JD55773	Soil	PCBs, TS
RB-E-066-32-221114-00-01	JD55773-13	JD55773	Soil	PCBs, TS
RB-E-066-67-221114-00-01	JD55773-14	JD55773	Soil	PCBs, TS
RB-E-066-81-221114-00-01	JD55773-15	JD55773	Soil	PCBs, TS
RB-2211141353	JD55773-16	JD55773	Water	PCBs
RB-E-067-08-221114-00-01	JD55773-17	JD55773	Soil	PCBs, TS
RB-E-067-64-221114-00-01	JD55773-18	JD55773	Soil	PCBs, TS
RB-E-068-18-221114-00-01	JD55773-19	JD55773	Soil	PCBs, TS
RB-E-068-67-221114-00-01	JD55773-20	JD55773	Soil	PCBs, TS
RB-E-069-16-221114-00-01	JD55773-21	JD55773	Soil	PCBs, TS
RB-E-069-68-221114-00-01	JD55773-22	JD55773	Soil	PCBs, TS, MC, GS
RB-E-070-17-221114-00-01	JD55773-23	JD55773	Soil	PCBs, TS
RB-E-070-17-BD0001	JD55773-24	JD55773	Soil	PCBs, TS
RB-W-060-71-221114-00-01	JD55773-25	JD55773	Soil	PCBs, TS
RB-W-062-57-221114-00-01	JD55773-26	JD55773	Soil	PCBs, TS
RB-W-063-07-221114-00-01	JD55773-27	JD55773	Soil	PCBs, TS
RB-W-063-07-BD0001	JD55773-28	JD55773	Soil	PCBs, TS
RB-W-063-62-221114-00-01	JD55773-29	JD55773	Soil	PCBs, TS, MC, GS
RB-W-064-09-221114-00-01	JD55773-30	JD55773	Soil	PCBs, TS
RB-W-066-99-221114-00-01	JD55773-31	JD55773	Soil	PCBs, TS
RB-2211141323	JD55773-32	JD55773	Water	PCBs
RB-W-067-48-221114-00-01	JD55773-33	JD55773	Soil	PCBs, TS
RB-W-067-92-221114-00-01	JD55773-34	JD55773	Soil	PCBs, TS
RB-W-068-40-221114-00-01	JD55773-35	JD55773	Soil	PCBs, TS
RB-W-069-37-221114-00-01	JD55773-36	JD55773	Soil	PCBs, TS
SE-159-59-W-221111-0.5-0.96	JD55774-1	JD55774	Sediment	PCBs, TOC, TS
SE-159-59-W-221111-00-0.5	JD55774-2	JD55774	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-162-09-W-221111-00-0.5	JD55774-3	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-C-221111-0.5-01	JD55774-4	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-C-221111-00-0.5	JD55774-5	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-C-221111-01-1.3	JD55774-6	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-E-221111-0.5-01	JD55774-7	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-E-221111-00-0.5	JD55774-8	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-E-221111-01-1.5	JD55774-9	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-W-221111-0.5-01	JD55774-10	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-W-221111-00-0.5	JD55774-11	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-W-221111-01-1.5	JD55774-12	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-W-221111-1.5-1.94	JD55774-13	JD55774	Sediment	PCBs, TOC, TS
SE-164-59-WG-221111-00-1.94	JD55774-14	JD55774	Sediment	GS, MC
SE-167-11-C-221111-0.5-01	JD55774-15	JD55774	Sediment	PCBs, TOC, TS
SE-167-11-C-221111-00-0.5	JD55774-16	JD55774	Sediment	PCBs, TOC, TS
SE-167-11-C-221111-01-1.12	JD55774-17	JD55774	Sediment	PCBs, TOC, TS
SE-152-01-E-221110-0.5-01	JD55775-1	JD55775	Sediment	PCBs, TOC, TS
SE-152-01-E-221110-00-0.5	JD55775-2	JD55775	Sediment	PCBs, TOC, TS
SE-152-01-E-221110-01-1.5	JD55775-3	JD55775	Sediment	PCBs, TOC, TS
SE-152-01-W-221110-0.5-01	JD55775-4	JD55775	Sediment	PCBs, TOC, TS
SE-152-01-W-221110-00-0.5	JD55775-5	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-C-221110-0.5-01	JD55775-6	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-C-221110-00-0.5	JD55775-7	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-C-221110-01-1.41	JD55775-8	JD55775	Sediment	PCBs, TOC, TS
RB-2211101424	JD55775-9	JD55775	Water	PCBs, TOC
SE-154-51-E-221110-0.5-01	JD55775-10	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-E-221110-00-0.5	JD55775-11	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-E-221110-01-1.5	JD55775-12	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-E-221110-1.5-1.82	JD55775-13	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-E-BD0001	JD55775-14	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-W-221110-0.5-01	JD55775-15	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-W-221110-00-0.5	JD55775-16	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-W-221110-01-1.5	JD55775-17	JD55775	Sediment	PCBs, TOC, TS
SE-154-51-W-221110-1.5-02	JD55775-18	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-C-221110-0.5-01	JD55775-19	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-C-221110-00-0.5	JD55775-20	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-C-221110-01-1.5	JD55775-21	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-C-221110-1.5-1.98	JD55775-22	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-CG-221110-00-1.98	JD55775-23	JD55775	Sediment	GS, MC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-157-01-E-221110-0.5-01	JD55775-24	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-E-221110-00-0.5	JD55775-25	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-E-221110-01-1.5	JD55775-26	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-W-221110-0.5-01	JD55775-27	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-W-221110-00-0.5	JD55775-28	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-W-221110-01-1.5	JD55775-29	JD55775	Sediment	PCBs, TOC, TS
SE-157-01-W-221110-1.5-1.61	JD55775-30	JD55775	Sediment	PCBs, TOC, TS
RB-E-035-30-221111-00-01	JD55777-1	JD55777	Soil	PCBs, TS
RB-E-035-86-221111-00-01	JD55777-2	JD55777	Soil	PCBs, TS, MC, GS
RB-E-036-50-221111-00-01	JD55777-3	JD55777	Soil	PCBs, TS
RB-E-037-13-221111-00-01	JD55777-4	JD55777	Soil	PCBs, TS
RB-E-037-73-221111-00-01	JD55777-5	JD55777	Soil	PCBs, TS
RB-E-038-37-221111-00-01	JD55777-6	JD55777	Soil	PCBs, TS
RB-E-038-59-221111-00-01	JD55777-7	JD55777	Soil	PCBs, TS
RB-E-039-04-221111-00-01	JD55777-8	JD55777	Soil	PCBs, TS
RB-E-039-32-221111-00-01	JD55777-9	JD55777	Soil	PCBs, TS
RB-E-039-71-221111-00-01	JD55777-10	JD55777	Soil	PCBs, TS
RB-E-039-92-221111-00-01	JD55777-11	JD55777	Soil	PCBs, TS
RB-E-040-09-221111-00-01	JD55777-12	JD55777	Soil	PCBs, TS
RB-E-040-36-221111-00-01	JD55777-13	JD55777	Soil	PCBs, TS
RB-E-040-59-221111-00-01	JD55777-14	JD55777	Soil	PCBs, TS
RB-E-041-17-221111-00-01	JD55777-15	JD55777	Soil	PCBs, TS
RB-E-041-66-221111-00-01	JD55777-16	JD55777	Soil	PCBs, TS
RB-E-042-13-221111-00-01	JD55777-17	JD55777	Soil	PCBs, TS, MC, GS
RB-E-042-62-221111-00-01	JD55777-18	JD55777	Soil	PCBs, TS
RB-E-043-10-221111-00-01	JD55777-19	JD55777	Soil	PCBs, TS
RB-E-043-10-BD0001	JD55777-20	JD55777	Soil	PCBs, TS
RB-E-043-74-221111-00-01	JD55777-21	JD55777	Soil	PCBs, TS
RB-E-044-29-221111-00-01	JD55777-22	JD55777	Soil	PCBs, TS
RB-E-044-85-221111-00-01	JD55777-23	JD55777	Soil	PCBs, TS, MC, GS
RB-E-045-36-221111-00-01	JD55777-24	JD55777	Soil	PCBs, TS
RB-E-045-80-221111-00-01	JD55777-25	JD55777	Soil	PCBs, TS
RB-E-046-32-221111-00-01	JD55777-26	JD55777	Soil	PCBs, TS
RB-E-046-78-221111-00-01	JD55777-27	JD55777	Soil	PCBs, TS
RB-E-047-05-221111-00-01	JD55777-28	JD55777	Soil	PCBs, TS
RB-2211110145	JD55777-29	JD55777	Water	PCBs
RB-E-047-56-221111-00-01	JD55777-30	JD55777	Soil	PCBs, TS
RB-E-048-06-221111-00-01	JD55777-31	JD55777	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-071-30-221111-00-01	JD55777-32	JD55777	Soil	PCBs, TS
RB-W-071-82-221111-00-01	JD55777-33	JD55777	Soil	PCBs, TS, MC, GS
RB-W-072-11-221111-00-01	JD55777-34	JD55777	Soil	PCBs, TS
RB-W-073-80-221111-00-01	JD55777-35	JD55777	Soil	PCBs, TS
RB-W-074-82-221111-00-01	JD55777-36	JD55777	Soil	PCBs, TS
RB-W-075-31-221111-00-01	JD55777-37	JD55777	Soil	PCBs, TS
RB-W-075-84-221111-00-01	JD55777-38	JD55777	Soil	PCBs, TS
RB-W-076-46-221111-00-01	JD55777-39	JD55777	Soil	PCBs, TS, MC, GS
RB-W-076-91-221111-00-01	JD55777-40	JD55777	Soil	PCBs, TS
RB-W-079-41-221111-00-01	JD55777-41	JD55777	Soil	PCBs, TS
RB-W-079-58-221111-00-01	JD55777-42	JD55777	Soil	PCBs, TS
RB-W-079-75-221111-00-01	JD55777-43	JD55777	Soil	PCBs, TS
RB-W-079-99-221111-00-01	JD55777-44	JD55777	Soil	PCBs, TS
RB-W-080-18-221111-00-01	JD55777-45	JD55777	Soil	PCBs, TS
RB-W-081-31-221111-00-01	JD55777-46	JD55777	Soil	PCBs, TS
RB-W-081-93-221111-00-01	JD55777-47	JD55777	Soil	PCBs, TS
RB-W-082-34-221111-00-01	JD55777-48	JD55777	Soil	PCBs, TS
RB-W-083-14-221111-00-01	JD55777-49	JD55777	Soil	PCBs, TS, MC, GS
RB-W-083-40-221111-00-01	JD55777-50	JD55777	Soil	PCBs, TS
RB-W-083-40-BD0001	JD55777-51	JD55777	Soil	PCBs, TS
RB-2211111418	JD55777-52	JD55777	Water	PCBs
RB-W-083-69-221111-00-01	JD55777-53	JD55777	Soil	PCBs, TS
RB-W-084-21-221111-00-01	JD55777-54	JD55777	Soil	PCBs, TS
RB-W-084-91-221111-00-01	JD55777-55	JD55777	Soil	PCBs, TS

Data Validation Report – EPA Stage 2A

May 23, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0087

This report summarizes the review of analytical results for 11 soil samples, 104 sediment samples, 6 field duplicate samples, and 6 equipment rinsate blanks collected in November 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field Quality Control (QC) included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Six equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and five were analyzed for TOC. All results were below detection with the exception of the TOC results for samples RB-2211151423, RB-2211151520, and RB-2211171517. All sample results were greater than five times (5X) the concentration of the blanks, so no data were qualified. A summary of detections is listed in Table 1.

Table 1
Field Blank Results Summary

Sample ID	Analyte	Result
RB-2211151423	TOC	1.5 mg/L
RB-2211151520		2.4 mg/L
RB-2211171517		2.1 mg/L

Field Duplicates

Six field duplicates were collected in association with these sample sets. Detected results are summarized in Table 2. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD according to the QAPP. Field duplicate RPD values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD values above control limits have been qualified "J" to indicate they are estimated.

Table 2
Field Duplicate Summary

Analyte	RB-E-027-76- 221115-00-01	RB-E-027-76- BD0001	RPD
Aroclor 1254	654 µg/kg	558 µg/kg	16%
Aroclor 1260	2400 µg/kg	2020 µg/kg	17%
Total solids	68.3%	68.0%	0%

Analyte	SE-167-11-E- 221115-00-0.5	SE-167-11-E- BD0001	RPD
Aroclor 1254	1320 µg/kg	404 µg/kg	106%
Aroclor 1260	2610 µg/kg	1500 µg/kg	54%
TOC	5350 mg/kg	1720 mg/kg	103%
Total solids	81.2%	89.7%	10%

Analyte	SE-172-16-E- 221115-0.5-01	SE-172-16-E- BD0001	RPD
TOC	47300 mg/kg	5210 mg/kg	160%
Total solids	54.1%	74.2%	31%

Analyte	SE-177-31-W- 221117-0.5-01	SE-177-31-W- BD0001	RPD
Aroclor 1254	2990 µg/kg	847 µg/kg	112%
Aroclor 1260	23600 µg/kg	3440 µg/kg	149%
TOC	749 mg/kg	1480 mg/kg	66%
Total solids	80.3%	80.3%	0%

Analyte	SE-200-12-E- 221123-01-1.5	SE-200-12-E- BD0001	RPD
Aroclor 1254	236 µg/kg	571 µg/kg	83%
Aroclor 1260	2160 µg/kg	3900 µg/kg	57%
TOC	8120 mg/kg	9960 mg/kg	20%
Total solids	74.1%	70.6%	5%

Analyte	SE-210-40-W-221123-0.5-01	SE-210-40-W-BD0001	RPD
Aroclor 1254	488 µg/kg	421 µg/kg	15%
Aroclor 1260	3110 µg/kg	1580 µg/kg	65%
TOC	2300 mg/kg	1340 mg/kg	53%
Total solids	74.0%	75.9%	3%

Notes:

µg/kg: microgram per kilogram

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were otherwise within control limits, with the following exceptions:

- SDG JD55974
 - Decachlorobiphenyl (DCB) recovered above the control limit in the reporting column of sample RB-E-027-27-221115-00-01. The Aroclor 1254 result has been qualified "J" to indicate a high bias.
 - Tetrachloro-m-xylene (TMX) recovered above the control limit in the analysis of sample RB-W-047-87-221115-00-01. The sample results have been qualified "J" to indicate a high bias.
- SDG JD55999
 - TMX recovered above the control limit in the analysis of samples SE-167-11-E-221115-0.5-0.72, SE-167-11-E-221115-00-0.5, SE-167-11-E-BD0001, SE-167-11-W-221115-00-0.5, SE-169-65-C-221115-00-0.5, SE-169-65-E-221115-00-0.5, SE-169-65-E-221115-01-1.5, SE-169-65-E-221115-1.5-1.58, and SE-169-65-W-221115-00-0.5. The sample results have been qualified "J" to indicate a high bias.
- SDG JD56193
 - TMX recovered above the control limit in the analysis of sample SE-177-31-W-221117-0.5-01. The Aroclor 1254 result has been qualified "J" to indicate a high bias.
- SDG JD56195

- DCB and/or TMX recovered above the control limit in the analysis of samples SE-182-31-C-221118-0.5-01 and SE-182-31-E-221118-01-1.5. The sample results have been qualified “J” to indicate a high bias.
 - TMX recovered above the control limit in the first column analysis of sample SE-179-81-C-221118-01-1.5. The Aroclor 1254 sample result has been qualified “J” to indicate a high bias.
- SDG JD56744
 - DCB and TMX recovered below 10% in the analysis of sample RB-2211231424. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the second column analysis of sample SE-202-64-C-221123-00-0.5. The Aroclor 1254 sample result has been qualified “J” to indicate a high bias.
 - TMX recovered above the control limit in the second column analysis of sample SE-207-91-C-221123-01-1.25. The Aroclor 1260 sample result has been qualified “J” to indicate a high bias.
 - DCB and/or TMX recovered above the control limit in the column analysis of samples SE-200-12-C-221123-0.5-01, SE-200-12-C-221123-00-0.5, SE-200-12-E-221123-00-0.5, SE-200-12-E-BD0001, SE-200-12-W-221123-00-0.5, SE-202-64-C-221123-0.5-01, SE-202-64-C-221123-01-1.5, SE-202-64-C-221123-1.5-1.64, SE-202-64-E-221123-00-0.5, SE-202-64-W-221123-0.5-01, SE-202-64-W-221123-00-0.5, SE-202-64-W-221123-01-1.28, SE-207-91-C-221123-00-0.5, SE-207-91-E-221123-01-1.34, SE-207-91-W-221123-0.5-01, SE-207-91-W-221123-01-1.5, SE-210-40-C-221123-0.5-01, and SE-210-40-C-221123-00-0.5. The sample results have been qualified “J” to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD55999– The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-172-16-C-221115-0.5-01, SE-172-16-E-221115-00-0.5, SE-172-16-W-221115-0.5-01, SE-172-16-W-221115-00-0.5, and SE-172-16-W-221115-01-1.5. The Aroclor 1254 results have been qualified “J” as estimated.
- SDG JD56193 – The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-177-31-C-221117-00-0.5. The Aroclor 1254 result has been qualified “J” as estimated.
- SDG JD56195 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-182-31-C-221118-1.5-1.87, SE-182-31-E-221118-0.5-01, SE-182-31-E-221118-00-0.5, and SE-182-31-W-221118-00-0.5. The Aroclor 1254 results have been qualified “J” as estimated.

- SDG JD56744 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-200-12-C-221123-0.5-01, SE-200-12-W-221123-0.5-01, SE-202-64-E-221123-0.5-01, SE-207-91-C-221123-0.5-01, and SE-210-40-E-221123-0.5-01. The Aroclor 1254 results have been qualified “J” as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batch OP43371
 - Aroclor 1260 recovered above the control limit in the LCSD. All associated detected results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP43372
 - Aroclor 1016 recovered above the control limit in the LCS. Associated results were non-detect, so no data were qualified.
- Aroclor Batch OP43375
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP43583
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified “J” to indicate a potentially high bias.
- Aroclor Batch OP43576
 - Aroclor 1016 and 1260 recovered below 10% in the LCS, recovered below the control limit in the LCSD, and the RPD between the LCS and LCSD recovered above the control limit. Associated sample results have been rejected.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD55974
 - Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample RB-W-047-87-221115-00-01. The detected sample results have been qualified “J”.

- SDG JD55999
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-164-59-W-221111-1.5-1.94 and SE-172-16-W-221115-01-1.5; and the RPD between the MS and MSD recovered above the control limit. Associated batch sample results have been qualified "J".
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-172-16-E-221115-01-1.5. Associated batch sample results have been qualified "J".
- SDG JD56195
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-179-81-E-221118-1.5-1.78. Associated batch sample results have been qualified "J".
- SDG JD56193
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-174-79-W-221117-1.5-1.81. Associated batch sample results have been qualified "J".
- SDG JD56744
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-200-12-E-221123-0.5-01, SE-200-12-E-BD0001, SE-202-64-E-221123-01-1.5, and SE-210-40-W-221123-00-0.5. Associated batch sample results have been qualified "J".

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

Method reporting limits (MRLs) were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Fourteen results in two samples were rejected due to low/no recovery. Completeness was greater than 98%; completeness goals were met. Table 3 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-027-27-221115-00-01	PCBs	Aroclor 1254	603 µg/kg	603J µg/kg	LCSD %R above CL; Surrogate %R above CL
		Aroclor 1260	1810 µg/kg	1810J µg/kg	LCSD %R above CL
RB-E-027-76-221115-00-01	PCBs	Aroclor 1254	654 µg/kg	654J µg/kg	LCSD %R above CL
		Aroclor 1260	2400 µg/kg	2400J µg/kg	
RB-E-027-76-BD0001	PCBs	Aroclor 1254	558 µg/kg	558J µg/kg	LCSD %R above CL
		Aroclor 1260	2020 µg/kg	2020J µg/kg	
RB-E-028-29-221115-00-01	PCBs	Aroclor 1254	653 µg/kg	653J µg/kg	LCSD %R above CL
		Aroclor 1260	2220 µg/kg	2220J µg/kg	
RB-E-028-75-221115-00-01	PCBs	Aroclor 1254	678 µg/kg	678J µg/kg	LCSD %R above CL
		Aroclor 1260	2600 µg/kg	2600J µg/kg	
RB-E-029-63-221115-00-01	PCBs	Aroclor 1254	638 µg/kg	638J µg/kg	LCSD %R above CL
		Aroclor 1260	2430 µg/kg	2430J µg/kg	
RB-E-029-88-221115-00-01	PCBs	Aroclor 1254	771 µg/kg	771J µg/kg	LCSD %R above CL
		Aroclor 1260	3300 µg/kg	3300J µg/kg	
RB-W-045-91-221115-00-01	PCBs	Aroclor 1254	477 µg/kg	477J µg/kg	LCSD %R above CL
		Aroclor 1260	2050 µg/kg	2050J µg/kg	
RB-W-047-87-221115-00-01	PCBs	Aroclor 1254	214 µg/kg	214J µg/kg	MS/MSD %R above CL; Surrogate %R above CL
		Aroclor 1260	564 µg/kg	564J µg/kg	
SE-167-11-E-221115-0.5-0.72	Conventionals	TOC	1880 mg/kg	1880J mg/kg	MS/MSD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1254	180 µg/kg	180J µg/kg	Surrogate %R above CL
		Aroclor 1260	765 µg/kg	765J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-167-11-E-221115-00-0.5	Conventionals	TOC	5350 mg/kg	5350J mg/kg	MS/MSD RPD above CL; FD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1254	1320 µg/kg	1320J µg/kg	Surrogate %R above CL; FD RPD above CL
		Aroclor 1260	2610 µg/kg	2610J µg/kg	
SE-167-11-E-BD0001	Conventionals	TOC	1720 mg/kg	1720J mg/kg	MS/MSD RPD above CL; FD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1254	404 µg/kg	404J µg/kg	Surrogate %R above CL; FD RPD above CL
		Aroclor 1260	1500 µg/kg	1500J µg/kg	
SE-167-11-W-221115-0.5-01	Conventionals	TOC	14500 mg/kg	14500J mg/kg	MS/MSD RPD above CL; MS/MSD %R below CL
SE-167-11-W-221115-00-0.5	PCBs	Aroclor 1254	9650 µg/kg	9650J µg/kg	Surrogate %R above CL
		Aroclor 1260	12000 µg/kg	12000J µg/kg	
SE-169-65-C-221115-00-0.5	PCBs	Aroclor 1254	772 µg/kg	772J µg/kg	Surrogate %R above CL
		Aroclor 1260	6880 µg/kg	6880J µg/kg	
SE-169-65-E-221115-00-0.5	PCBs	Aroclor 1254	775 µg/kg	775J µg/kg	Surrogate %R above CL
		Aroclor 1260	2540 µg/kg	2540J µg/kg	
SE-169-65-E-221115-01-1.5	PCBs	Aroclor 1254	128 µg/kg	128J µg/kg	Surrogate %R above CL
		Aroclor 1260	753 µg/kg	753J µg/kg	
SE-169-65-E-221115-1.5-1.58	PCBs	Aroclor 1254	56.2 µg/kg	56.2J µg/kg	Surrogate %R above CL
		Aroclor 1260	189 µg/kg	189J µg/kg	
SE-169-65-W-221115-00-0.5	Conventionals	TOC	1160 mg/kg	1160J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	593 µg/kg	593J µg/kg	Surrogate %R above CL
		Aroclor 1260	3740 µg/kg	3740J µg/kg	
SE-169-65-W-221115-01-1.5	Conventionals	TOC	1220 mg/kg	1220J mg/kg	MS/MSD %R below CL
SE-172-16-C-221115-0.5-01	Conventionals	TOC	8900 mg/kg	8900J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1480 µg/kg	1480J µg/kg	Column Confirmation RPD above CL
SE-172-16-C-221115-00-0.5	Conventionals	TOC	4420 mg/kg	4420J mg/kg	MS/MSD %R below CL
SE-172-16-C-221115-01-1.5	Conventionals	TOC	16300 mg/kg	16300J mg/kg	MS/MSD %R below CL
SE-172-16-C-221115-1.5-1.59	Conventionals	TOC	20000 mg/kg	20000J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-172-16-E-221115-0.5-01	Conventionals	TOC	47300 mg/kg	47300J mg/kg	FD RPD above CL; MS/MSD %R below CL
SE-172-16-E-221115-00-0.5	Conventionals	TOC	1230 mg/kg	1230J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	262 µg/kg	262J µg/kg	Column Confirmation RPD above CL
SE-172-16-E-221115-01-1.5	Conventionals	TOC	7300 mg/kg	7300J mg/kg	MS/MSD %R below CL
SE-172-16-E-221115-1.5-1.88	Conventionals	TOC	823 mg/kg	823J mg/kg	MS/MSD %R below CL
SE-172-16-E-BD0001	Conventionals	TOC	5210 mg/kg	5210J mg/kg	MS/MSD RPD above CL; MS %R below CL; FD RPD above CL
SE-172-16-W-221115-0.5-01	Conventionals	TOC	1600 mg/kg	1600J mg/kg	MS/MSD RPD above CL; MS %R below CL
	PCBs	Aroclor 1254	207 µg/kg	207J µg/kg	Column Confirmation RPD above CL
SE-172-16-W-221115-00-0.5	Conventionals	TOC	5060 mg/kg	5060J mg/kg	MS/MSD RPD above CL; MS %R below CL
	PCBs	Aroclor 1254	787 µg/kg	787J µg/kg	Column Confirmation RPD above CL
SE-172-16-W-221115-01-1.5	Conventionals	TOC	10000 mg/kg	10000J mg/kg	MS/MSD RPD above CL; MS %R below CL
	PCBs	Aroclor 1254	8880 µg/kg	8880J µg/kg	Column Confirmation RPD above CL
SE-172-16-W-221115-1.5-1.88	Conventionals	TOC	5500 mg/kg	5500J mg/kg	MS/MSD RPD above CL; MS %R below CL
SE-174-79-W-221117-0.5-01	Conventionals	TOC	5820 mg/kg	5820J mg/kg	MS/MSD %R below CL
SE-174-79-W-221117-00-0.5	Conventionals	TOC	12500 mg/kg	12500J mg/kg	MS/MSD %R below CL
SE-174-79-W-221117-01-1.5	Conventionals	TOC	2980 mg/kg	2980J mg/kg	MS/MSD %R below CL
SE-174-79-W-221117-1.5-1.81	Conventionals	TOC	1510 mg/kg	1510J mg/kg	MS/MSD %R below CL
SE-177-31-C-221117-0.5-01	Conventionals	TOC	19200 mg/kg	19200J mg/kg	MS/MSD %R below CL
SE-177-31-C-221117-00-0.5	PCBs	Aroclor 1254	346 µg/kg	346J µg/kg	Column Confirmation RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-177-31-W-221117-0.5-01	Conventionals	TOC	749 mg/kg	749J mg/kg	FD RPD above CL
	PCBs	Aroclor 1254	2990 µg/kg	2990J µg/kg	FD RPD above CL; Surrogate %R above CL
		Aroclor 1260	23600 µg/kg	23600J µg/kg	FD RPD above CL
SE-177-31-W-BD0001	Conventionals	TOC	1480 mg/kg	1480J mg/kg	FD RPD above CL
	PCBs	Aroclor 1254	847 µg/kg	847J µg/kg	FD RPD above CL
		Aroclor 1260	3440 µg/kg	3440J µg/kg	
SE-179-81-C-221118-0.5-01	Conventionals	TOC	892 mg/kg	892J mg/kg	MS/MSD RPD above CL; MS %R below CL
SE-179-81-C-221118-00-0.5	Conventionals	TOC	3600 mg/kg	3600J mg/kg	MS/MSD RPD above CL; MS %R below CL
SE-179-81-C-221118-01-1.5	Conventionals	TOC	830 mg/kg	830J mg/kg	MS/MSD RPD above CL; MS %R below CL
	PCBs	Aroclor 1254	2890 µg/kg	2890J µg/kg	Surrogate %R above CL
SE-179-81-E-221118-0.5-01	Conventionals	TOC	1360 mg/kg	1360J mg/kg	MS/MSD RPD above CL; MS %R below CL
SE-179-81-E-221118-00-0.5	Conventionals	TOC	921 mg/kg	921J mg/kg	MS/MSD RPD above CL; MS %R below CL
SE-179-81-E-221118-01-1.5	Conventionals	TOC	31500 mg/kg	31500J mg/kg	MS/MSD %R below CL
SE-179-81-E-221118-1.5-1.78	Conventionals	TOC	17000 mg/kg	17000J mg/kg	MS/MSD %R below CL
SE-179-81-W-221118-0.5-01	Conventionals	TOC	7420 mg/kg	7420J mg/kg	MS/MSD %R below CL
SE-179-81-W-221118-00-0.5	Conventionals	TOC	1450 mg/kg	1450J mg/kg	MS/MSD %R below CL
SE-179-81-W-221118-01-1.41	Conventionals	TOC	6880 mg/kg	6880J mg/kg	MS/MSD %R below CL
SE-182-31-C-221118-0.5-01	Conventionals	TOC	2670 mg/kg	2670J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	820 µg/kg	820J µg/kg	Surrogate %R above CL
		Aroclor 1260	2890 µg/kg	2890J µg/kg	
SE-182-31-C-221118-00-0.5	Conventionals	TOC	1470 mg/kg	1470J mg/kg	MS/MSD %R below CL
SE-182-31-C-221118-01-1.5	Conventionals	TOC	1370 mg/kg	1370J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-182-31-C-221118-1.5-1.87	Conventionals	TOC	13700 mg/kg	13700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	416 µg/kg	416J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	5410 µg/kg	5410J µg/kg	LCS %R above CL
SE-182-31-E-221118-0.5-01	Conventionals	TOC	7840 mg/kg	7840J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	246 µg/kg	246J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	1030 µg/kg	1030J µg/kg	LCS %R above CL
SE-182-31-E-221118-00-0.5	Conventionals	TOC	6870 mg/kg	6870J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	379 µg/kg	379J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	3640 µg/kg	3640J µg/kg	LCS %R above CL
SE-182-31-E-221118-01-1.5	Conventionals	TOC	13200 mg/kg	13200J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	3000 µg/kg	3000J µg/kg	Surrogate %R above CL; LCS %R above CL
		Aroclor 1260	8870 µg/kg	8870J µg/kg	
SE-182-31-W-221118-0.5-01	Conventionals	TOC	7260 mg/kg	7260J mg/kg	MS/MSD %R below CL
SE-182-31-W-221118-00-0.5	Conventionals	TOC	1880 mg/kg	1880J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1230 µg/kg	1230J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	19800 µg/kg	19800J µg/kg	LCS %R above CL
SE-182-31-W-221118-01-1.44	Conventionals	TOC	3660 mg/kg	3660J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	135 µg/kg	135J µg/kg	LCS %R above CL
		Aroclor 1260	402 µg/kg	402J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2211231424	PCBs	Aroclor 1016	0.38 ug/L	R	Surrogate %R below 10%; LCS %R below 10%; LCSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2211231544	PCBs	Aroclor 1016	0.40 ug/L	R	LCS %R below 10%; LCSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-200-12-C-221123-0.5-01	Conventionals	TOC	2410 mg/kg	2410J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	615 µg/kg	615J µg/kg	Surrogate %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	8270 µg/kg	8270J µg/kg	Surrogate %R above CL
SE-200-12-C-221123-00-0.5	Conventionals	TOC	10400 mg/kg	10400J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	407 µg/kg	407J µg/kg	Surrogate %R above CL
		Aroclor 1260	3860 µg/kg	3860J µg/kg	
SE-200-12-C-221123-01-1.32	Conventionals	TOC	468 mg/kg	468J mg/kg	MS/MSD %R below CL
SE-200-12-E-221123-0.5-01	Conventionals	TOC	2140 mg/kg	2140J mg/kg	MS/MSD %R below CL
SE-200-12-E-221123-00-0.5	Conventionals	TOC	7140 mg/kg	7140J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	655 µg/kg	655J µg/kg	Surrogate %R above CL
		Aroclor 1260	7900 µg/kg	7900J µg/kg	
SE-200-12-E-221123-01-1.5	Conventionals	TOC	8120 mg/kg	8120J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	236 µg/kg	236J µg/kg	FD RPD above CL
		Aroclor 1260	2160 µg/kg	2160J µg/kg	
SE-200-12-E-221123-1.5-1.63	Conventionals	TOC	3140 mg/kg	3140J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-200-12-E-BD0001	Conventionals	TOC	9960 mg/kg	9960J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	571 µg/kg	571J µg/kg	FD RPD above CL; Surrogate %R above CL
		Aroclor 1260	3900 µg/kg	3900J µg/kg	
SE-200-12-W-221123-0.5-01	Conventionals	TOC	1570 mg/kg	1570J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	48.4 µg/kg	48.4J µg/kg	Column Confirmation RPD above CL
SE-200-12-W-221123-00-0.5	Conventionals	TOC	1150 mg/kg	1150J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	179 µg/kg	179J µg/kg	Surrogate %R above CL
		Aroclor 1260	1660 µg/kg	1660J µg/kg	
SE-200-12-W-221123-01-1.27	Conventionals	TOC	3890 mg/kg	3890J mg/kg	MS/MSD %R below CL
SE-202-64-C-221123-0.5-01	Conventionals	TOC	2530 mg/kg	2530J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	685 µg/kg	685J µg/kg	Surrogate %R above CL
		Aroclor 1260	6130 µg/kg	6130J µg/kg	
SE-202-64-C-221123-00-0.5	Conventionals	TOC	6830 mg/kg	6830J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	3420 µg/kg	3420J µg/kg	Surrogate %R above CL
SE-202-64-C-221123-01-1.5	Conventionals	TOC	2710 mg/kg	2710J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	595 µg/kg	595J µg/kg	Surrogate %R above CL
		Aroclor 1260	4480 µg/kg	4480J µg/kg	
SE-202-64-C-221123-1.5-1.64	Conventionals	TOC	2530 mg/kg	2530J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	26.9 µg/kg	26.9J µg/kg	Surrogate %R above CL
		Aroclor 1260	89.6 µg/kg	89.6J µg/kg	
SE-202-64-E-221123-0.5-01	Conventionals	TOC	3100 mg/kg	3100J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1390 µg/kg	1390J µg/kg	Column Confirmation RPD above CL
SE-202-64-E-221123-00-0.5	Conventionals	TOC	10900 mg/kg	10900J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	1370 µg/kg	1370J µg/kg	Surrogate %R above CL
		Aroclor 1260	9900 µg/kg	9900J µg/kg	
SE-202-64-E-221123-01-1.5	Conventionals	TOC	4330 mg/kg	4330J mg/kg	MS %R below CL
SE-202-64-W-221123-0.5-01	Conventionals	TOC	1320 mg/kg	1320J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	360 µg/kg	360J µg/kg	Surrogate %R above CL
		Aroclor 1260	2670 µg/kg	2670J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-202-64-W-221123-00-0.5	Conventionals	TOC	1080 mg/kg	1080J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	380 µg/kg	380J µg/kg	Surrogate %R above CL
		Aroclor 1260	3390 µg/kg	3390J µg/kg	
SE-202-64-W-221123-01-1.28	Conventionals	TOC	2340 mg/kg	2340J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	426 µg/kg	426J µg/kg	Surrogate %R above CL
		Aroclor 1260	3010 µg/kg	3010J µg/kg	
SE-207-91-C-221123-0.5-01	Conventionals	TOC	746 mg/kg	746J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	67.7 µg/kg	67.7J µg/kg	Column Confirmation RPD above CL
SE-207-91-C-221123-00-0.5	Conventionals	TOC	1460 mg/kg	1460J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	376 µg/kg	376J µg/kg	Surrogate %R above CL
		Aroclor 1260	1230 µg/kg	1230J µg/kg	
SE-207-91-C-221123-01-1.25	Conventionals	TOC	395 mg/kg	395J mg/kg	MS %R below CL
	PCBs	Aroclor 1260	93.9 µg/kg	93.9J µg/kg	Surrogate %R above CL
SE-207-91-E-221123-0.5-01	Conventionals	TOC	125000 mg/kg	125000J mg/kg	MS %R below CL
SE-207-91-E-221123-00-0.5	Conventionals	TOC	99200 mg/kg	99200J mg/kg	MS %R below CL
SE-207-91-E-221123-01-1.34	PCBs	Aroclor 1254	222 µg/kg	222J µg/kg	Surrogate %R above CL
		Aroclor 1260	1010 µg/kg	1010J µg/kg	
SE-207-91-W-221123-0.5-01	PCBs	Aroclor 1254	1600 µg/kg	1600J µg/kg	Surrogate %R above CL
		Aroclor 1260	15800 µg/kg	15800J µg/kg	
SE-207-91-W-221123-01-1.5	PCBs	Aroclor 1254	419 µg/kg	419J µg/kg	Surrogate %R above CL
		Aroclor 1260	1770 µg/kg	1770J µg/kg	
SE-210-40-C-221123-0.5-01	PCBs	Aroclor 1254	349 µg/kg	349J µg/kg	Surrogate %R above CL
		Aroclor 1260	3470 µg/kg	3470J µg/kg	
SE-210-40-C-221123-00-0.5	PCBs	Aroclor 1254	170 µg/kg	170J µg/kg	Surrogate %R above CL
		Aroclor 1260	1220 µg/kg	1220J µg/kg	
SE-210-40-C-221123-01-1.45	PCBs	Aroclor 1254	761 µg/kg	761J µg/kg	LCS %R above CL
		Aroclor 1260	3800 µg/kg	3800J µg/kg	
SE-210-40-E-221123-0.5-01	PCBs	Aroclor 1254	507 µg/kg	507J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	1360 µg/kg	1360J µg/kg	LCS %R above CL
SE-210-40-E-221123-00-0.5	PCBs	Aroclor 1254	789 µg/kg	789J µg/kg	LCS %R above CL
		Aroclor 1260	1050 µg/kg	1050J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-210-40-W-221123-0.5-01	Conventionals	TOC	2300 mg/kg	2300J mg/kg	FD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1254	488 µg/kg	488J µg/kg	LCS %R above CL
		Aroclor 1260	3110 µg/kg	3110J µg/kg	FD RPD above CL; LCS %R above CL
SE-210-40-W-221123-00-0.5	Conventionals	TOC	973 mg/kg	973J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	808 µg/kg	808J µg/kg	LCS %R above CL
		Aroclor 1260	2160 µg/kg	2160J µg/kg	
SE-210-40-W-221123-01-1.37	Conventionals	TOC	1630 mg/kg	1630J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	722 µg/kg	722J µg/kg	LCS %R above CL
		Aroclor 1260	4590 µg/kg	4590J µg/kg	
SE-210-40-W-BD0001	Conventionals	TOC	1340 mg/kg	1340J mg/kg	FD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1254	421 µg/kg	421J µg/kg	LCS %R above CL
		Aroclor 1260	1580 µg/kg	1580J µg/kg	FD RPD above CL; LCS %R above CL

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-027-27-221115-00-01	JD55974-1	JD55974	Soil	TS, PCBs
RB-E-027-76-221115-00-01	JD55974-2	JD55974	Soil	TS, PCBs
RB-E-027-76-BD0001	JD55974-3	JD55974	Soil	TS, PCBs
RB-E-028-29-221115-00-01	JD55974-4	JD55974	Soil	TS, PCBs
RB-E-028-75-221115-00-01	JD55974-5	JD55974	Soil	TS, PCBs
RB-E-029-63-221115-00-01	JD55974-6	JD55974	Soil	TS, PCBs
RB-E-029-88-221115-00-01	JD55974-7	JD55974	Soil	TS, PCBs
RB-W-045-91-221115-00-01	JD55974-8	JD55974	Soil	TS, PCBs
RB-W-046-38-221115-00-01	JD55974-9	JD55974	Soil	TS, PCBs
RB-2211151350	JD55974-10	JD55974	Water	PCBs
RB-W-046-92-221115-00-01	JD55974-11	JD55974	Soil	TS, PCBs
RB-W-047-39-221115-00-01	JD55974-12	JD55974	Soil	MC, GS, TS, PCBs
RB-W-047-87-221115-00-01	JD55974-13	JD55974	Soil	TS, PCBs
RB-2211151423	JD55999-1	JD55999	Water	PCBs, TOC
SE-167-11-E-221115-0.5-0.72	JD55999-2	JD55999	Sediment	TOC, TS, PCBs
SE-167-11-E-221115-00-0.5	JD55999-3	JD55999	Sediment	TOC, TS, PCBs
SE-167-11-E-BD0001	JD55999-4	JD55999	Sediment	TOC, TS, PCBs
SE-167-11-W-221115-0.5-01	JD55999-5	JD55999	Sediment	TOC, TS, PCBs
SE-167-11-W-221115-00-0.5	JD55999-6	JD55999	Sediment	TOC, TS, PCBs
SE-167-11-W-221115-01-1.43	JD55999-7	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-C-221115-0.5-01	JD55999-8	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-C-221115-00-0.5	JD55999-9	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-C-221115-01-1.5	JD55999-10	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-E-221115-0.5-01	JD55999-11	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-E-221115-00-0.5	JD55999-12	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-E-221115-01-1.5	JD55999-13	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-E-221115-1.5-1.58	JD55999-14	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-W-221115-0.5-01	JD55999-15	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-W-221115-00-0.5	JD55999-16	JD55999	Sediment	TOC, TS, PCBs
SE-169-65-W-221115-01-1.5	JD55999-17	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-C-221115-0.5-01	JD55999-18	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-C-221115-00-0.5	JD55999-19	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-C-221115-01-1.5	JD55999-20	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-C-221115-1.5-1.59	JD55999-21	JD55999	Sediment	TOC, TS, PCBs
RB-2211151520	JD55999-22	JD55999	Water	PCBs, TOC
SE-172-16-E-221115-0.5-01	JD55999-23	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-E-221115-00-0.5	JD55999-24	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-E-221115-01-1.5	JD55999-25	JD55999	Sediment	TOC, TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-172-16-E-221115-1.5-1.88	JD55999-26	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-E-BD0001	JD55999-27	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-W-221115-0.5-01	JD55999-28	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-W-221115-00-0.5	JD55999-29	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-W-221115-01-1.5	JD55999-30	JD55999	Sediment	TOC, TS, PCBs
SE-172-16-W-221115-1.5-1.88	JD55999-31	JD55999	Sediment	TOC, TS, PCBs
SE-174-79-W-221117-0.5-01	JD56193-1	JD56193	Sediment	TOC, TS, PCBs
SE-174-79-W-221117-00-0.5	JD56193-2	JD56193	Sediment	TOC, TS, PCBs
SE-174-79-W-221117-01-1.5	JD56193-3	JD56193	Sediment	TOC, TS, PCBs
SE-174-79-W-221117-1.5-1.81	JD56193-4	JD56193	Sediment	TOC, TS, PCBs
SE-174-79-WG-221117-00-1.81	JD56193-5	JD56193	Sediment	MC, GS
SE-177-31-WG-221117-00-1.53	JD56193-6	JD56193	Sediment	MC, GS
SE-177-31-C-221117-0.5-01	JD56193-7	JD56193	Sediment	TOC, TS, PCBs
SE-177-31-C-221117-00-0.5	JD56193-8	JD56193	Sediment	TOC, TS, PCBs
SE-177-31-C-221117-01-1.5	JD56193-9	JD56193	Sediment	TOC, TS, PCBs
SE-177-31-E-221117-0.5-01	JD56193-10	JD56193	Sediment	TOC, TS, PCBs
SE-177-31-E-221117-00-0.5	JD56193-11	JD56193	Sediment	TOC, TS, PCBs
SE-177-31-E-221117-01-1.13	JD56193-12	JD56193	Sediment	TOC, TS, PCBs
RB-2211171517	JD56193-13	JD56193	Water	PCBs, TOC
SE-177-31-W-221117-0.5-01	JD56193-14	JD56193	Sediment	TOC, TS, PCBs
SE-177-31-W-221117-00-0.5	JD56193-15	JD56193	Sediment	TOC, TS, PCBs
SE-177-31-W-221117-01-1.5	JD56193-16	JD56193	Sediment	TOC, TS, PCBs
SE-177-31-W-BD0001	JD56193-17	JD56193	Sediment	TOC, TS, PCBs
SE-179-81-C-221118-0.5-01	JD56195-1	JD56195	Sediment	TOC, TS, PCBs
SE-179-81-C-221118-00-0.5	JD56195-2	JD56195	Sediment	TOC, TS, PCBs
SE-179-81-C-221118-01-1.5	JD56195-3	JD56195	Sediment	TOC, TS, PCBs
SE-179-81-E-221118-0.5-01	JD56195-4	JD56195	Sediment	TOC, TS, PCBs
SE-179-81-E-221118-00-0.5	JD56195-5	JD56195	Sediment	TOC, TS, PCBs
SE-179-81-E-221118-01-1.5	JD56195-6	JD56195	Sediment	TOC, TS, PCBs
SE-179-81-E-221118-1.5-1.78	JD56195-7	JD56195	Sediment	TOC, TS, PCBs
SE-179-81-W-221118-0.5-01	JD56195-8	JD56195	Sediment	TOC, TS, PCBs
SE-179-81-W-221118-00-0.5	JD56195-9	JD56195	Sediment	TOC, TS, PCBs
SE-179-81-W-221118-01-1.41	JD56195-10	JD56195	Sediment	TOC, TS, PCBs
SE-182-31-C-221118-0.5-01	JD56195-11	JD56195	Sediment	TOC, TS, PCBs
SE-182-31-C-221118-00-0.5	JD56195-12	JD56195	Sediment	TOC, TS, PCBs
SE-182-31-C-221118-01-1.5	JD56195-13	JD56195	Sediment	TOC, TS, PCBs
SE-182-31-C-221118-1.5-1.87	JD56195-14	JD56195	Sediment	TOC, TS, PCBs
SE-182-31-E-221118-0.5-01	JD56195-15	JD56195	Sediment	TOC, TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-182-31-E-221118-00-0.5	JD56195-16	JD56195	Sediment	TOC, TS, PCBs
SE-182-31-E-221118-01-1.5	JD56195-17	JD56195	Sediment	TOC, TS, PCBs
SE-182-31-W-221118-0.5-01	JD56195-18	JD56195	Sediment	TOC, TS, PCBs
SE-182-31-W-221118-00-0.5	JD56195-19	JD56195	Sediment	TOC, TS, PCBs
SE-182-31-W-221118-01-1.44	JD56195-20	JD56195	Sediment	TOC, TS, PCBs
SE-200-12-C-221123-0.5-01	JD56744-1	JD56744	Sediment	TOC, TS, PCBs
SE-200-12-C-221123-00-0.5	JD56744-2	JD56744	Sediment	TOC, TS, PCBs
SE-200-12-C-221123-01-1.32	JD56744-3	JD56744	Sediment	TOC, TS, PCBs
RB-2211231424	JD56744-4	JD56744	Water	PCBs, TOC
SE-200-12-E-221123-0.5-01	JD56744-5	JD56744	Sediment	TOC, TS, PCBs
SE-200-12-E-221123-00-0.5	JD56744-6	JD56744	Sediment	TOC, TS, PCBs
SE-200-12-E-221123-01-1.5	JD56744-7	JD56744	Sediment	TOC, TS, PCBs
SE-200-12-E-221123-1.5-1.63	JD56744-8	JD56744	Sediment	TOC, TS, PCBs
SE-200-12-E-BD0001	JD56744-9	JD56744	Sediment	TOC, TS, PCBs
SE-200-12-W-221123-0.5-01	JD56744-10	JD56744	Sediment	TOC, TS, PCBs
SE-200-12-W-221123-00-0.5	JD56744-11	JD56744	Sediment	TOC, TS, PCBs
SE-200-12-W-221123-01-1.27	JD56744-12	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-C-221123-0.5-01	JD56744-13	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-C-221123-00-0.5	JD56744-14	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-C-221123-01-1.5	JD56744-15	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-C-221123-1.5-1.64	JD56744-16	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-CG-221123-00-1.64	JD56744-17	JD56744	Sediment	MC, GS
SE-202-64-E-221123-0.5-01	JD56744-18	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-E-221123-00-0.5	JD56744-19	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-E-221123-01-1.5	JD56744-20	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-EG-221123-00-0.8	JD56744-21	JD56744	Sediment	MC, GS
SE-202-64-W-221123-0.5-01	JD56744-22	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-W-221123-00-0.5	JD56744-23	JD56744	Sediment	TOC, TS, PCBs
SE-202-64-W-221123-01-1.28	JD56744-24	JD56744	Sediment	TOC, TS, PCBs
SE-207-91-C-221123-0.5-01	JD56744-25	JD56744	Sediment	TOC, TS, PCBs
SE-207-91-C-221123-00-0.5	JD56744-26	JD56744	Sediment	TOC, TS, PCBs
SE-207-91-C-221123-01-1.25	JD56744-27	JD56744	Sediment	TOC, TS, PCBs
SE-207-91-E-221123-0.5-01	JD56744-28	JD56744	Sediment	TOC, TS, PCBs
SE-207-91-E-221123-00-0.5	JD56744-29	JD56744	Sediment	TOC, TS, PCBs
SE-207-91-E-221123-01-1.34	JD56744-30	JD56744	Sediment	TOC, TS, PCBs
SE-207-91-W-221123-0.5-01	JD56744-31	JD56744	Sediment	TOC, TS, PCBs
SE-207-91-W-221123-00-0.5	JD56744-32	JD56744	Sediment	TOC, TS, PCBs
SE-207-91-W-221123-01-1.5	JD56744-33	JD56744	Sediment	TOC, TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-207-91-WG-221123-00-1.66	JD56744-34	JD56744	Sediment	MC, GS
SE-210-40-CG-221123-00-1.45	JD56744-35	JD56744	Sediment	MC, GS
SE-210-40-C-221123-0.5-01	JD56744-36	JD56744	Sediment	TOC, TS, PCBs
SE-210-40-C-221123-00-0.5	JD56744-37	JD56744	Sediment	TOC, TS, PCBs
SE-210-40-C-221123-01-1.45	JD56744-38	JD56744	Sediment	TOC, TS, PCBs
SE-210-40-E-221123-0.5-01	JD56744-39	JD56744	Sediment	TOC, TS, PCBs
SE-210-40-E-221123-00-0.5	JD56744-40	JD56744	Sediment	TOC, TS, PCBs
SE-210-40-E-221123-01-1.48	JD56744-41	JD56744	Sediment	TOC, TS, PCBs
RB-2211231544	JD56744-42	JD56744	Water	PCBs, TOC
SE-210-40-W-221123-0.5-01	JD56744-43	JD56744	Sediment	TOC, TS, PCBs
SE-210-40-W-221123-00-0.5	JD56744-44	JD56744	Sediment	TOC, TS, PCBs
SE-210-40-W-221123-01-1.37	JD56744-45	JD56744	Sediment	TOC, TS, PCBs
SE-210-40-W-BD0001	JD56744-46	JD56744	Sediment	TOC, TS, PCBs

Data Validation Report – EPA Stage 2A

May 23, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0088

This report summarizes the review of analytical results for 23 soil samples, 142 sediment samples, 8 field duplicate samples, and 8 equipment rinsate blanks collected in November and December 2022. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field Quality Control (QC) included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Eight equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and seven were analyzed for TOC. All TOC results were below detection. PCB results were rejected due to low LCS or surrogate recovery so they could not be evaluated.

Field Duplicates

Eight field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD according to the QAPP. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-187-42-C-221122-0.5-01	SE-187-42-C-BD0001	RPD	Difference	Difference CL
Aroclor 1254	1710 µg/kg	816 µg/kg	71%	--	--
Aroclor 1260	9220 µg/kg	7290 µg/kg	23%	--	--
TOC	4610 mg/kg	1240 mg/kg	115%	--	--
Total solids	79.1%	79.5%	1%	--	--

Analyte	SE-192-56-W-221122-01-1.5	SE-192-56-W-BD0001	RPD	Difference	Difference CL
Aroclor 1254	178 µg/kg	96.2 µg/kg	--	81.8 µg/kg	78.0 µg/kg
Aroclor 1260	511 µg/kg	248 µg/kg	69%	--	--
TOC	6540 mg/kg	772 mg/kg	158%	--	--
Total solids	83.8%	81.6%	3%	--	--

Analyte	SE-197-61-E-221122-01-1.49	SE-197-61-E-BD0001	RPD	Difference	Difference CL
Aroclor 1254	845 µg/kg	865 µg/kg	2%	--	--
Aroclor 1260	9320 µg/kg	6330 µg/kg	38%	--	--
TOC	7990 mg/kg	3450 mg/kg	79%	--	--
Total solids	80.5%	82.3%	2%	--	--

Analyte	RB-E-020-11-221117-00-01	RB-E-020-11-BD0001	RPD	Difference	Difference CL
Aroclor 1254	2150 µg/kg	1560 µg/kg	32%	--	--
Aroclor 1260	8460 µg/kg	5190 µg/kg	48%	--	--
Total solids	72.4%	76.0%	5%	--	--

Analyte	SE-BW5A-6-A-B-4-5-221129-00-01	SE-BW5A-6-A-B-4-5-BD0001	RPD	Difference	Difference CL
Aroclor 1254	290 µg/kg	216 µg/kg	29%	--	--
Aroclor 1260	1330 µg/kg	885 µg/kg	40%	--	--
TOC	12200 mg/kg	7260 mg/kg	51%	--	--
Total solids	67.2%	70.9%	5%	--	--

Analyte	SE-BW5A-6-D-1-2-221129-00-01	SE-BW5A-6-D-1-2-BD0001	RPD	Difference	Difference CL
Aroclor 1254	1240 µg/kg	1140 µg/kg	8%	--	--
Aroclor 1260	3610 µg/kg	1320 µg/kg	93%	--	--
TOC	51800 mg/kg	26700 mg/kg	64%	--	--
Total solids	51.1%	53.8%	5%	--	--

Analyte	SE-BW5A-6-B-6-221128-00-01	SE-BW5A-6-B-6-BD0001	RPD	Difference	Difference CL
Aroclor 1254	1310 µg/kg	562 µg/kg	80%	--	--
Aroclor 1260	4020 µg/kg	2620 µg/kg	42%	--	--
TOC	15600 mg/kg	10800 mg/kg	36%	--	--
Total solids	68.6%	69.3%	1%	--	--

Analyte	SE-BW5A-6-C-6-221128-00-01	SE-BW5A-6-C-6-BD0001	RPD	Difference	Difference CL
Aroclor 1254	1750 µg/kg	1700 µg/kg	3%	--	--
Aroclor 1260	9860 µg/kg	11100 µg/kg	12%	--	--
TOC	15000 mg/kg	11900 mg/kg	23%	--	--
Total solids	68.8%	64.8%	6%	--	--

Notes:

CL: Control Limit

µg/kg: microgram per kilogram

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were within control limits, with the following exceptions:

- SDG JD56745

- Decachlorobiphenyl (DCB) and/or Tetrachloro-m-xylene (TMX) recovered below 10% in the analysis of samples RB-2211221435, RB-2211221526, and RB-2211221614. The results have been rejected due to low surrogate recovery.
- DCB and/or TMX recovered above the control limit in the analysis of samples SE-192-56-W-221122-0.5-01, SE-197-61-W-221122-00-0.5, and SE-197-61-W-221122-01-1.5. The sample results have been qualified "J" to indicate a high bias.
- DCB and/or TMX recovered above the control limit in the analysis of samples SE-187-42-E-221122-0.5-01, SE-187-42-E-221122-00-0.5, SE-197-61-E-221122-0.5-01, SE-197-61-E-221122-00-0.5, SE-197-61-E-BD0001, SE-197-61-W-221122-0.5-01, and SE-197-61-W-221122-1.5-1.68. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
- DCB and TMX recovered above the control limit in the analysis of sample SE-192-56-C-221122-01-1.5. The Aroclor 1260 results have been qualified "J" to indicate a high bias.
- SDG JD56746
 - DCB recovered below 10% in the analysis of sample RB-2211171257. The results have been rejected due to low surrogate recovery.
 - DCB recovered above the control limit in the analysis of sample RB-E-019-14-221117-00-01. The sample results have been qualified "J" to indicate a high bias.
 - DCB recovered above the control limit in the analysis of samples RB-E-023-69-221117-00-01, RB-E-026-26-221117-00-01, RB-E-026-76-221117-00-01, and RB-E-029-20-221117-00-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.
- SDG JD56747
 - DCB recovered below 10% in the analysis of sample RB-2211291708. The results have been rejected due to the surrogate recovery below 10%.
 - DCB recovered above the control limit in the analysis of sample SE-BW5A-6-B-C-4-5-221129-01-1.5. The Aroclor 1254 result has been qualified "J" to indicate a high bias.
- SDG JD56748
 - TMX and DCB recovered below 10% in the analysis of sample RB-2211281559. The results have been rejected due to the surrogate recovery below 10%.
 - TMX recovered above the control limit in the analysis of sample SE-BW5A-6-B-6-221128-1.5-02. Aroclor 1260 has been qualified "J" to indicate a high bias.
 - TMX and/or DCB recovered above the control limit in the analysis of samples SE-BW5A-6-B-6-221128-02-2.5, SE-BW5A-6-B-C-5-6-221128-02-2.5, SE-BW5A-6-B-C-6-221128-00-01, and SE-BW5A-6-B-C-6-221128-02-2.5. The sample results have been qualified "J" to indicate a high bias.
- SDG JD56816
 - TMX and/or DCB recovered above the control limit in the second column analysis of samples SE-184-82-E-221202-00-0.5, SE-190-03-C-221202-01-1.44, SE-190-03-W-

221202-00-0.5, SE-190-03-W-221202-01-1.36, SE-205-17-C-221202-0.5-01, and SE-205-17-W-221202-0.5-01. The Aroclor 1254 results have been qualified "J" to indicate a high bias.

- TMX and/or DCB recovered above the control limit in the analysis of samples SE-184-82-C-221202-0.5-01 and SE-205-17-W-221202-00-0.5. The sample results have been qualified "J" to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD56745– The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-195-10-C-221122-0.5-01, SE-195-10-E-221122-00-0.5, SE-195-10-E-221122-01-1.5, SE-195-10-E-221122-1.5-1.78, SE-195-10-W-221122-0.5-01, SE-195-10-W-221122-01-1.3, SE-197-61-C-221122-00-0.5, SE-197-61-C-221122-01-1.5, SE-197-61-E-221122-00-0.5, and SE-197-61-E-221122-01-1.49. The Aroclor 1254 results have been qualified "J" as estimated.
- SDG JD56747 – The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-BW5A-6-B-C-4-221129-00-01 and SE-BW5A-6-B-C-4-5-221129-00-01. The Aroclor 1254 results have been qualified "J" as estimated.
- SDG JD56816 – The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-184-82-E-221202-0.5-01. The Aroclor 1254 result has been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits with the following exceptions.

- Aroclor Batch OP43576
 - Aroclor 1016 and 1260 did not recover in the LCS, recovered below the control limit in the LCSD, and the RPD between the LCS and LCSD was above the control limit. The results have been rejected due to low or no LCS/LCSD recovery.
- Aroclor Batch OP43580
 - Aroclor 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a possible high bias.
- Aroclor Batch OP43583
 - Aroclor 1016 and 1260 recovered above the control limit in the LCS. All detected results were qualified "J" to indicate a possible high bias.
- Aroclor Batch OP43894

- Aroclor 1016 recovered above the control limit in the LCS. All results were not detected, so no data were qualified.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- TOC Batches GP43958, GP43966, GP43969, GP44029, GP44120, GP44165, GP44173
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-192-56-W-221122-00-0.5, SE-197-61-E-221122-00-0.5, SE-200-12-E-221123-0.5-01, SE-210-40-W-221123-00-0.5, SE-BW5A-6-B-C-4-221129-1.5-02, SE-190-03-E-221202-00-0.5, and SE-205-17-E-221202-0.5-01. Associated batch sample results have been qualified "J" to indicate a low bias.
- TOC Batch GP44071
 - TOC recovered below the control limit in the MSD analyzed on sample SE-BW5A-6-B-C-6-221128-00-01; and the RPD between the MS and MSD was above the control limit. Associated batch sample results have been qualified "J" to indicate a low bias.
- TOC Batch GP44096
 - TOC recovered above the control limit in the MSD analyzed on sample SE-BW5A-6-C-6-221128-01-1.5. Associated batch sample results have been qualified "J" to indicate a low bias.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Fifty-six results in the eight rinsate samples were rejected due to low/no recovery. Rinsate blank results were not available in association with this sample set, however, based on previous rinsate blank results, decontamination procedures are adequate, and results are not expected to be impacted. Completeness was greater than 96%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.
- R Indicates result is rejected and unusable

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-172-16-C-221115-00-0.5	Conventionals	TOC	4420 mg/kg	4420J mg/kg	MS/MSD %R below CL
RB-2211221435	PCBs	Aroclor 1016	0.38 ug/L	R	LCS %R below 10%; Surrogate %R below 10%; LCSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2211221526	PCBs	Aroclor 1016	0.42 ug/L	R	LCS %R below 10%; Surrogate %R below 10%; LCSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2211221614	PCBs	Aroclor 1016	0.42 ug/L	R	LCS %R below 10%; Surrogate %R below 10%; LCSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-187-42-C-221122-0.5-01	Conventionals	TOC	4610 mg/kg	4610J mg/kg	FD RPD above CL
	PCBs	Aroclor 1254	1710 µg/kg	1710J µg/kg	FD RPD above CL
SE-187-42-C-BD0001	Conventionals	TOC	1240 mg/kg	1240J mg/kg	FD RPD above CL
	PCBs	Aroclor 1254	816 µg/kg	816J µg/kg	FD RPD above CL
SE-187-42-E-221122-0.5-01	PCBs	Aroclor 1254	9020 µg/kg	9020J µg/kg	Surrogate %R above CL
SE-187-42-E-221122-00-0.5	PCBs	Aroclor 1254	3050 µg/kg	3050J µg/kg	Surrogate %R above CL
SE-192-56-C-221122-0.5-01	Conventionals	TOC	1560 mg/kg	1560J mg/kg	MS/MSD %R below CL
SE-192-56-C-221122-00-0.5	Conventionals	TOC	1320 mg/kg	1320J mg/kg	MS/MSD %R below CL
SE-192-56-C-221122-01-1.5	Conventionals	TOC	436 mg/kg	436J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	20.0 µg/kg	20.0J µg/kg	Surrogate %R above CL
SE-192-56-E-221122-0.5-01	Conventionals	TOC	18200 mg/kg	18200J mg/kg	MS/MSD %R below CL
SE-192-56-E-221122-00-0.5	Conventionals	TOC	11400 mg/kg	11400J mg/kg	MS/MSD %R below CL
SE-192-56-E-221122-01-1.5	Conventionals	TOC	4090 mg/kg	4090J mg/kg	MS/MSD %R below CL
SE-192-56-E-221122-1.5-1.8	Conventionals	TOC	658 mg/kg	658J mg/kg	MS/MSD %R below CL
SE-192-56-W-221122-0.5-01	Conventionals	TOC	2250 mg/kg	2250J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	102 µg/kg	102J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	702 µg/kg	702J µg/kg	
SE-192-56-W-221122-00-0.5	Conventionals	TOC	4000 mg/kg	4000J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	405 µg/kg	405J µg/kg	LCS %R above CL
		Aroclor 1260	4750 µg/kg	4750J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-192-56-W-221122-01-1.5	Conventionals	TOC	6540 mg/kg	6540J mg/kg	MS/MSD %R below CL; FD RPD above CL
	PCBs	Aroclor 1254	178 µg/kg	178J µg/kg	FD RPD above CL; LCS %R above CL
		Aroclor 1260	511 µg/kg	511J µg/kg	
SE-192-56-W-221122-1.5-1.68	PCBs	Aroclor 1260	72.5 µg/kg	72.5J µg/kg	LCS %R above CL
SE-192-56-W-BD0001	Conventionals	TOC	772 mg/kg	772J mg/kg	FD RPD above CL
	PCBs	Aroclor 1254	96.2 µg/kg	96.2J µg/kg	FD RPD above CL; LCS %R above CL
		Aroclor 1260	248 µg/kg	248J µg/kg	
SE-195-10-C-221122-0.5-01	PCBs	Aroclor 1254	298 µg/kg	298J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	3150 µg/kg	3150J µg/kg	LCS %R above CL
SE-195-10-C-221122-00-0.5	PCBs	Aroclor 1254	410 µg/kg	410J µg/kg	LCS %R above CL
		Aroclor 1260	3160 µg/kg	3160J µg/kg	
SE-195-10-C-221122-01-1.5	PCBs	Aroclor 1254	619 µg/kg	619J µg/kg	LCS %R above CL
		Aroclor 1260	3860 µg/kg	3860J µg/kg	
SE-195-10-C-221122-1.5-1.6	PCBs	Aroclor 1254	215 µg/kg	215J µg/kg	LCS %R above CL
		Aroclor 1260	1220 µg/kg	1220J µg/kg	
SE-195-10-E-221122-0.5-01	PCBs	Aroclor 1254	340 µg/kg	340J µg/kg	LCS %R above CL
		Aroclor 1260	1960 µg/kg	1960J µg/kg	
SE-195-10-E-221122-00-0.5	PCBs	Aroclor 1254	292 µg/kg	292J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	4540 µg/kg	4540J µg/kg	LCS %R above CL
SE-195-10-E-221122-01-1.5	PCBs	Aroclor 1254	5780 µg/kg	5780J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	35200 µg/kg	35200J µg/kg	LCS %R above CL
SE-195-10-E-221122-1.5-1.78	PCBs	Aroclor 1254	11100 µg/kg	11100J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	76900 µg/kg	76900J µg/kg	LCS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-195-10-W-221122-0.5-01	Conventionals	TOC	1010 mg/kg	1010J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	5360 µg/kg	5360J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	51600 µg/kg	51600J µg/kg	LCS %R above CL
SE-195-10-W-221122-00-0.5	Conventionals	TOC	1250 mg/kg	1250J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	633 µg/kg	633J µg/kg	LCS %R above CL
		Aroclor 1260	2010 µg/kg	2010J µg/kg	
SE-195-10-W-221122-01-1.3	Conventionals	TOC	7140 mg/kg	7140J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	210 µg/kg	210J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	1040 µg/kg	1040J µg/kg	LCS %R above CL
SE-197-61-C-221122-0.5-01	Conventionals	TOC	1030 mg/kg	1030J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	266 µg/kg	266J µg/kg	LCS %R above CL
		Aroclor 1260	2160 µg/kg	2160J µg/kg	
SE-197-61-C-221122-00-0.5	Conventionals	TOC	10300 mg/kg	10300J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	465 µg/kg	465J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	5260 µg/kg	5260J µg/kg	LCS %R above CL
SE-197-61-C-221122-01-1.5	Conventionals	TOC	5730 mg/kg	5730J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	522 µg/kg	522J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	6250 µg/kg	6250J µg/kg	LCS %R above CL
SE-197-61-E-221122-0.5-01	Conventionals	TOC	33200 mg/kg	33200J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	4470 µg/kg	4470J µg/kg	Surrogate %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-197-61-E-221122-00-0.5	Conventionals	TOC	7980 mg/kg	7980J mg/kg	MS %R below CL
	PCBs	Aroclor 1254	5750 µg/kg	5750J µg/kg	Column Confirmation RPD above CL; Surrogate %R above CL
SE-197-61-E-221122-01-1.49	Conventionals	TOC	7990 mg/kg	7990J mg/kg	FD RPD above CL; MS %R below CL
	PCBs	Aroclor 1254	845 µg/kg	845J µg/kg	Column Confirmation RPD above CL
SE-197-61-E-BD0001	Conventionals	TOC	3450 mg/kg	3450J mg/kg	FD RPD above CL; MS %R below CL
	PCBs	Aroclor 1254	865 µg/kg	865J µg/kg	Surrogate %R above CL
SE-197-61-W-221122-0.5-01	Conventionals	TOC	24700 mg/kg	24700J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	3820 µg/kg	3820J µg/kg	Surrogate %R above CL
SE-197-61-W-221122-00-0.5	Conventionals	TOC	5550 mg/kg	5550J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1030 µg/kg	1030J µg/kg	Surrogate %R above CL
		Aroclor 1260	12700 µg/kg	12700J µg/kg	
SE-197-61-W-221122-01-1.5	Conventionals	TOC	2070 mg/kg	2070J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	550 µg/kg	550J µg/kg	Surrogate %R above CL
		Aroclor 1260	3600 µg/kg	3600J µg/kg	
SE-197-61-W-221122-1.5-1.68	Conventionals	TOC	20800 mg/kg	20800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	3330 µg/kg	3330J µg/kg	Surrogate %R above CL
RB-2211171257	PCBs	Aroclor 1016	0.38 ug/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-E-019-14-221117-00-01	PCBs	Aroclor 1254	3540 µg/kg	3540J µg/kg	Surrogate %R above CL
		Aroclor 1260	13100 µg/kg	13100J µg/kg	
RB-E-023-69-221117-00-01	PCBs	Aroclor 1254	1330 µg/kg	1330J µg/kg	Surrogate %R above CL
RB-E-026-26-221117-00-01	PCBs	Aroclor 1254	1390 µg/kg	1390J µg/kg	Surrogate %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-026-76-221117-00-01	PCBs	Aroclor 1254	1440 µg/kg	1440J µg/kg	Surrogate %R above CL
RB-E-029-20-221117-00-01	PCBs	Aroclor 1254	1100 µg/kg	1100J µg/kg	Surrogate %R above CL
RB-2211291628	PCBs	Aroclor 1016	0.40 ug/L	R	LCSD %R below CL; LCS %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2211291708	PCBs	Aroclor 1016	0.40 ug/L	R	Surrogate %R below 10%; LCS %R below 10%; LCSD %R below CL
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-BW5A-6-A-B-4-5-221129-00-01	Conventionals	TOC	12200 mg/kg	12200J mg/kg	FD RPD above CL
	PCBs	Aroclor 1254	290 µg/kg	290J µg/kg	LCS %R above CL
		Aroclor 1260	1330 µg/kg	1330J µg/kg	
SE-BW5A-6-A-B-4-5-BD0001	Conventionals	TOC	7260 mg/kg	7260J mg/kg	FD RPD above CL
	PCBs	Aroclor 1254	216 µg/kg	216J µg/kg	LCS %R above CL
		Aroclor 1260	885 µg/kg	885J µg/kg	
SE-BW5A-6-B-C-4-221129-00-01	PCBs	Aroclor 1254	176 µg/kg	176J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	602 µg/kg	602J µg/kg	LCS %R above CL
SE-BW5A-6-B-C-4-221129-1.5-02	Conventionals	TOC	20200 mg/kg	20200J mg/kg	MS/MSD %R below CL
SE-BW5A-6-B-C-4-221129-2.5-03	Conventionals	TOC	12100 mg/kg	12100J mg/kg	MS/MSD %R below CL
SE-BW5A-6-B-C-4-5-221129-00-01	Conventionals	TOC	55600 mg/kg	55600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	8830 µg/kg	8830J µg/kg	LCS %R above CL; Column Confirmation RPD above CL
		Aroclor 1260	26200 µg/kg	26200J µg/kg	LCS %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-6-B-C-4-5-221129-01-1.5	Conventionals	TOC	30600 mg/kg	30600J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	9560 µg/kg	9560J µg/kg	LCS %R above CL; Surrogate %R above CL
		Aroclor 1260	24400 µg/kg	24400J µg/kg	LCS %R above CL
SE-BW5A-6-B-C-4-5-221129-02-2.5	Conventionals	TOC	49600 mg/kg	49600J mg/kg	MS/MSD %R below CL
SE-BW5A-6-B-C-4-5-221129-03-3.3	Conventionals	TOC	16100 mg/kg	16100J mg/kg	MS/MSD %R below CL
SE-BW5A-6-B-C-4-5-221129-1.5-02	Conventionals	TOC	27000 mg/kg	27000J mg/kg	MS/MSD %R below CL
SE-BW5A-6-B-C-4-5-221129-2.5-03	Conventionals	TOC	55200 mg/kg	55200J mg/kg	MS/MSD %R below CL
SE-BW5A-6-C-D-3-4-221129-00-01	Conventionals	TOC	38200 mg/kg	38200J mg/kg	MS/MSD %R below CL
SE-BW5A-6-C-D-3-4-221129-01-1.5	Conventionals	TOC	36300 mg/kg	36300J mg/kg	MS/MSD %R below CL
SE-BW5A-6-D-1-2-221129-00-01	Conventionals	TOC	51800 mg/kg	51800J mg/kg	FD RPD above CL
	PCBs	Aroclor 1260	3610 µg/kg	3610J µg/kg	FD RPD above CL
SE-BW5A-6-D-1-2-BD0001	Conventionals	TOC	26700 mg/kg	26700J mg/kg	FD RPD above CL
	PCBs	Aroclor 1260	1320 µg/kg	1320J µg/kg	FD RPD above CL
RB-2211281509	PCBs	Aroclor 1016	0.42 ug/L	R	LCSD %R below CL; LCS %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2211281559	PCBs	Aroclor 1016	0.38 ug/L	R	LCS %R below 10%; LCSD %R below CL; Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
SE-BW5A-6-A-B-5-6-221128-00-01	Conventionals	TOC	29600 mg/kg	29600J mg/kg	MS/MSD %R below CL
SE-BW5A-6-A-B-5-6-221128-01-1.5	Conventionals	TOC	43400 mg/kg	43400J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-6-B-6-221128-00-01	PCBs	Aroclor 1254	1310 µg/kg	1310J µg/kg	FD RPD above CL
SE-BW5A-6-B-6-221128-02-2.5	PCBs	Aroclor 1254	2090 µg/kg	2090J µg/kg	Surrogate %R above CL
		Aroclor 1260	5650 µg/kg	5650J µg/kg	
SE-BW5A-6-B-6-221128-1.5-02	PCBs	Aroclor 1260	12900 µg/kg	12900J µg/kg	Surrogate %R above CL
SE-BW5A-6-B-6-BD0001	PCBs	Aroclor 1254	562 µg/kg	562J µg/kg	FD RPD above CL
SE-BW5A-6-B-C-5-6-221128-00-01	Conventionals	TOC	49000 mg/kg	49000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-BW5A-6-B-C-5-6-221128-01-1.5	Conventionals	TOC	2440 mg/kg	2440J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-BW5A-6-B-C-5-6-221128-02-2.5	Conventionals	TOC	55500 mg/kg	55500J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	10700 µg/kg	10700J µg/kg	Surrogate %R above CL
		Aroclor 1260	23100 µg/kg	23100J µg/kg	
SE-BW5A-6-B-C-5-6-221128-1.5-02	Conventionals	TOC	37500 mg/kg	37500J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-BW5A-6-B-C-5-6-221128-2.5-2.77	Conventionals	TOC	98900 mg/kg	98900J mg/kg	MSD %R below CL
SE-BW5A-6-B-C-6-221128-00-01	Conventionals	TOC	8360 mg/kg	8360J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	2730 µg/kg	2730J µg/kg	Surrogate %R above CL
		Aroclor 1260	10800 µg/kg	10800J µg/kg	
SE-BW5A-6-B-C-6-221128-01-1.3	Conventionals	TOC	33000 mg/kg	33000J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-BW5A-6-B-C-6-221128-02-2.5	Conventionals	TOC	17800 mg/kg	17800J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1254	2320 µg/kg	2320J µg/kg	Surrogate %R above CL
		Aroclor 1260	9970 µg/kg	9970J µg/kg	
SE-BW5A-6-B-C-6-221128-03-3.5	Conventionals	TOC	34200 mg/kg	34200J mg/kg	MS/MSD RPD above CL; MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-BW5A-6-B-C-6-221128-04-4.5	Conventionals	TOC	19600 mg/kg	19600J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-BW5A-6-B-C-6-221128-2.5-03	Conventionals	TOC	42200 mg/kg	42200J mg/kg	MSD %R above CL
SE-BW5A-6-B-C-6-221128-3.5-3.7	Conventionals	TOC	20700 mg/kg	20700J mg/kg	MSD %R above CL
SE-BW5A-6-B-C-6-221128-4.5-05	Conventionals	TOC	32300 mg/kg	32300J mg/kg	MSD %R above CL
SE-BW5A-6-C-6-221128-00-01	Conventionals	TOC	15000 mg/kg	15000J mg/kg	MSD %R above CL
SE-BW5A-6-C-6-221128-01-1.5	Conventionals	TOC	20000 mg/kg	20000J mg/kg	MSD %R above CL
SE-BW5A-6-C-6-221128-02-2.5	Conventionals	TOC	3620 mg/kg	3620J mg/kg	MSD %R above CL
SE-BW5A-6-C-6-221128-1.5-02	Conventionals	TOC	3640 mg/kg	3640J mg/kg	MSD %R above CL
SE-BW5A-6-C-6-221128-2.5-2.9	Conventionals	TOC	1610 mg/kg	1610J mg/kg	MSD %R above CL
SE-BW5A-6-C-6-BD0001	Conventionals	TOC	11900 mg/kg	11900J mg/kg	MSD %R above CL
SE-BW5A-6-C-D-6-7-221128-00-01	Conventionals	TOC	15300 mg/kg	15300J mg/kg	MSD %R above CL
SE-184-82-C-221202-0.5-01	PCBs	Aroclor 1254	1580 µg/kg	1580J µg/kg	Surrogate %R above CL
		Aroclor 1260	22400 µg/kg	22400J µg/kg	
SE-184-82-E-221202-0.5-01	PCBs	Aroclor 1254	802 µg/kg	802J µg/kg	Column Confirmation RPD above CL
SE-184-82-E-221202-00-0.5	PCBs	Aroclor 1254	2880 µg/kg	2880J µg/kg	Surrogate %R above CL
SE-190-03-C-221202-00-0.5	Conventionals	TOC	1010 mg/kg	1010J mg/kg	MS/MSD %R below CL
SE-190-03-C-221202-01-1.44	Conventionals	TOC	1100 mg/kg	1100J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1210 µg/kg	1210J µg/kg	Surrogate %R above CL
SE-190-03-E-221202-0.5-0.85	Conventionals	TOC	1160 mg/kg	1160J mg/kg	MS/MSD %R below CL
SE-190-03-E-221202-00-0.5	Conventionals	TOC	1620 mg/kg	1620J mg/kg	MS/MSD %R below CL
SE-190-03-W-221202-0.5-01	Conventionals	TOC	3330 mg/kg	3330J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-190-03-W-221202-00-0.5	Conventionals	TOC	1780 mg/kg	1780J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	272 µg/kg	272J µg/kg	Surrogate %R above CL
SE-190-03-W-221202-01-1.36	Conventionals	TOC	5570 mg/kg	5570J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	965 µg/kg	965J µg/kg	Surrogate %R above CL
SE-205-17-C-221202-0.5-01	Conventionals	TOC	19800 mg/kg	19800J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	1100 µg/kg	1100J µg/kg	Surrogate %R above CL
SE-205-17-C-221202-00-0.5	Conventionals	TOC	21800 mg/kg	21800J mg/kg	MS/MSD %R below CL
SE-205-17-C-221202-01-1.3	Conventionals	TOC	56300 mg/kg	56300J mg/kg	MS/MSD %R below CL
SE-205-17-E-221202-0.5-01	Conventionals	TOC	425 mg/kg	425J mg/kg	MS/MSD %R below CL
SE-205-17-E-221202-00-0.5	Conventionals	TOC	644 mg/kg	644J mg/kg	MS/MSD %R below CL
SE-205-17-W-221202-0.5-01	Conventionals	TOC	3150 mg/kg	3150J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	463 µg/kg	463J µg/kg	Surrogate %R above CL
SE-205-17-W-221202-00-0.5	Conventionals	TOC	1530 mg/kg	1530J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1254	800 µg/kg	800J µg/kg	Surrogate %R above CL
		Aroclor 1260	4160 µg/kg	4160J µg/kg	
SE-205-17-W-221202-01-1.25	Conventionals	TOC	3260 mg/kg	3260J mg/kg	MS/MSD %R below CL

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2211221435	JD56745-1	JD56745	Water	PCBs, TOC
SE-187-42-C-221122-0.5-01	JD56745-2	JD56745	Sediment	TOC, TS, PCBs
SE-187-42-C-221122-00-0.5	JD56745-3	JD56745	Sediment	TOC, TS, PCBs
SE-187-42-C-221122-01-1.5	JD56745-4	JD56745	Sediment	TOC, TS, PCBs
SE-187-42-C-221122-1.5-1.7	JD56745-5	JD56745	Sediment	TOC, TS, PCBs
SE-187-42-C-BD0001	JD56745-6	JD56745	Sediment	TOC, TS, PCBs
SE-187-42-E-221122-0.5-01	JD56745-7	JD56745	Sediment	TOC, TS, PCBs
SE-187-42-E-221122-00-0.5	JD56745-8	JD56745	Sediment	TOC, TS, PCBs
SE-187-42-E-221122-01-1.5	JD56745-9	JD56745	Sediment	TOC, TS, PCBs
SE-187-42-E-221122-1.5-1.62	JD56745-10	JD56745	Sediment	TOC, TS, PCBs
SE-187-42-EG-221122-00-1.62	JD56745-11	JD56745	Sediment	MC, Density, GS
SE-187-42-W-221122-00-0.5	JD56745-12	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-C-221122-0.5-01	JD56745-13	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-C-221122-00-0.5	JD56745-14	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-C-221122-01-1.5	JD56745-15	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-E-221122-0.5-01	JD56745-16	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-E-221122-00-0.5	JD56745-17	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-E-221122-01-1.5	JD56745-18	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-E-221122-1.5-1.8	JD56745-19	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-EG-221122-1.25-1.8	JD56745-20	JD56745	Sediment	MC, GS
RB-2211221526	JD56745-21	JD56745	Water	PCBs, TOC
SE-192-56-W-221122-0.5-01	JD56745-22	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-W-221122-00-0.5	JD56745-23	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-W-221122-01-1.5	JD56745-24	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-W-221122-1.5-1.68	JD56745-25	JD56745	Sediment	TOC, TS, PCBs
SE-192-56-W-BD0001	JD56745-26	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-C-221122-0.5-01	JD56745-27	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-C-221122-00-0.5	JD56745-28	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-C-221122-01-1.5	JD56745-29	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-C-221122-1.5-1.6	JD56745-30	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-E-221122-0.5-01	JD56745-31	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-E-221122-00-0.5	JD56745-32	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-E-221122-01-1.5	JD56745-33	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-E-221122-1.5-1.78	JD56745-34	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-EG-221122-00-1.78	JD56745-35	JD56745	Sediment	MC, GS
SE-195-10-W-221122-0.5-01	JD56745-36	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-W-221122-00-0.5	JD56745-37	JD56745	Sediment	TOC, TS, PCBs
SE-195-10-W-221122-01-1.3	JD56745-38	JD56745	Sediment	TOC, TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-197-61-WG-221122-00-1.68	JD56745-39	JD56745	Sediment	MC, GS
SE-197-61-C-221122-0.5-01	JD56745-40	JD56745	Sediment	TOC, TS, PCBs
SE-197-61-C-221122-00-0.5	JD56745-41	JD56745	Sediment	TOC, TS, PCBs
SE-197-61-C-221122-01-1.5	JD56745-42	JD56745	Sediment	TOC, TS, PCBs
RB-2211221614	JD56745-43	JD56745	Water	PCBs, TOC
SE-197-61-E-221122-0.5-01	JD56745-44	JD56745	Sediment	TOC, TS, PCBs
SE-197-61-E-221122-00-0.5	JD56745-45	JD56745	Sediment	TOC, TS, PCBs
SE-197-61-E-221122-01-1.49	JD56745-46	JD56745	Sediment	TOC, TS, PCBs
SE-197-61-E-BD0001	JD56745-47	JD56745	Sediment	TOC, TS, PCBs
SE-197-61-W-221122-0.5-01	JD56745-48	JD56745	Sediment	TOC, TS, PCBs
SE-197-61-W-221122-00-0.5	JD56745-49	JD56745	Sediment	TOC, TS, PCBs
SE-197-61-W-221122-01-1.5	JD56745-50	JD56745	Sediment	TOC, TS, PCBs
SE-197-61-W-221122-1.5-1.68	JD56745-51	JD56745	Sediment	TOC, TS, PCBs
RB-E-018-24-221117-00-01	JD56746-1	JD56746	Soil	TS, PCBs
RB-2211171257	JD56746-2	JD56746	Water	PCBs
RB-E-018-65-221117-00-01	JD56746-3	JD56746	Soil	TS, PCBs
RB-E-019-14-221117-00-01	JD56746-4	JD56746	Soil	TS, PCBs
RB-E-019-66-221117-00-01	JD56746-5	JD56746	Soil	TS, PCBs
RB-E-020-11-221117-00-01	JD56746-6	JD56746	Soil	TS, PCBs
RB-E-020-11-BD0001	JD56746-7	JD56746	Soil	TS, PCBs
RB-E-020-63-221117-00-01	JD56746-8	JD56746	Soil	TS, PCBs
RB-E-021-16-221117-00-01	JD56746-9	JD56746	Soil	TS, PCBs
RB-E-021-62-221117-00-01	JD56746-10	JD56746	Soil	TS, PCBs
RB-E-022-15-221117-00-01	JD56746-11	JD56746	Soil	TS, PCBs
RB-E-022-63-221117-00-01	JD56746-12	JD56746	Soil	TS, PCBs
RB-E-023-20-221117-00-01	JD56746-13	JD56746	Soil	TS, PCBs
RB-E-023-69-221117-00-01	JD56746-14	JD56746	Soil	TS, PCBs
RB-E-024-23-221117-00-01	JD56746-15	JD56746	Soil	MC, GS, TS, PCBs
RB-E-024-97-221117-00-01	JD56746-16	JD56746	Soil	TS, PCBs
RB-E-025-72-221117-00-01	JD56746-17	JD56746	Soil	TS, PCBs
RB-E-026-26-221117-00-01	JD56746-18	JD56746	Soil	TS, PCBs
RB-E-026-76-221117-00-01	JD56746-19	JD56746	Soil	TS, PCBs
RB-E-029-20-221117-00-01	JD56746-20	JD56746	Soil	TS, PCBs
RB-E-030-28-221117-00-01	JD56746-21	JD56746	Soil	TS, PCBs
RB-E-030-72-221117-00-01	JD56746-22	JD56746	Soil	TS, PCBs
RB-E-030-99-221117-00-01	JD56746-23	JD56746	Soil	TS, PCBs
RB-E-031-43-221117-00-01	JD56746-24	JD56746	Soil	MC, GS, TS, PCBs
RB-E-031-90-221117-00-01	JD56746-25	JD56746	Soil	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2211291628	JD56747-1	JD56747	Water	PCBs, TOC
SE-BW5A-6-A-B-4-5-221129-00-01	JD56747-2	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-4-5-221129-01-1.5	JD56747-3	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-4-5-221129-1.5-02	JD56747-4	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-4-5-BD0001	JD56747-5	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-221129-00-01	JD56747-6	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-221129-01-1.5	JD56747-7	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-221129-02-2.5	JD56747-8	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-221129-03-3.36	JD56747-9	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-221129-1.5-02	JD56747-10	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-221129-2.5-03	JD56747-11	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-5-221129-00-01	JD56747-12	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-5-221129-01-1.5	JD56747-13	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-5-221129-02-2.5	JD56747-14	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-5-221129-03-3.3	JD56747-15	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-5-221129-1.5-02	JD56747-16	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-4-5-221129-2.5-03	JD56747-17	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-3-4-221129-00-01	JD56747-18	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-3-4-221129-01-1.5	JD56747-19	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-3-4-221129-02-2.5	JD56747-20	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-3-4-221129-1.5-02	JD56747-21	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-3-4-221129-2.5-03	JD56747-22	JD56747	Sediment	TOC, TS, PCBs
RB-2211291708	JD56747-23	JD56747	Water	PCBs, TOC
SE-BW5A-6-D-1-2-221129-00-01	JD56747-24	JD56747	Sediment	TOC, TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-6-D-1-2-221129-01-1.5	JD56747-25	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-1-2-221129-02-2.5	JD56747-26	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-1-2-221129-03-3.3	JD56747-27	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-1-2-221129-1.5-02	JD56747-28	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-1-2-221129-2.5-03	JD56747-29	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-1-2-BD0001	JD56747-30	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-1-2-G-221129-00-3.3	JD56747-31	JD56747	Sediment	MC, GS
SE-BW5A-6-D-2-3-221129-00-01	JD56747-32	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-2-3-221129-01-1.5	JD56747-33	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-2-3-221129-02-2.5	JD56747-34	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-2-3-221129-03-3.5	JD56747-35	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-2-3-221129-1.5-02	JD56747-36	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-2-3-221129-2.5-03	JD56747-37	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-D-2-3-221129-3.5-04	JD56747-38	JD56747	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-5-6-221128-00-01	JD56748-1	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-5-6-221128-01-1.5	JD56748-2	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-5-6-221128-02-2.5	JD56748-3	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-5-6-221128-03-3.5	JD56748-4	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-5-6-221128-1.5-02	JD56748-5	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-5-6-221128-2.5-03	JD56748-6	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-A-B-5-6-221128-3.5-04	JD56748-7	JD56748	Sediment	TOC, TS, PCBs
RB-2211281509	JD56748-8	JD56748	Water	PCBs, TOC
SE-BW5A-6-B-6-221128-00-01	JD56748-9	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-6-221128-01-1.5	JD56748-10	JD56748	Sediment	TOC, TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-6-B-6-221128-02-2.5	JD56748-11	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-6-221128-03-3.5	JD56748-12	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-6-221128-1.5-02	JD56748-13	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-6-221128-2.5-03	JD56748-14	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-6-221128-3.5-04	JD56748-15	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-6-BD0001	JD56748-16	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-5-6-221128-00-01	JD56748-17	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-5-6-221128-01-1.5	JD56748-18	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-5-6-221128-02-2.5	JD56748-19	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-5-6-221128-1.5-02	JD56748-20	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-5-6-221128-2.5-2.77	JD56748-21	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-6-221128-00-01	JD56748-22	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-6-221128-01-1.3	JD56748-23	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-6-221128-02-2.5	JD56748-24	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-6-221128-03-3.5	JD56748-25	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-6-221128-04-4.5	JD56748-26	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-6-221128-2.5-03	JD56748-27	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-6-221128-3.5-3.7	JD56748-28	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-B-C-6-221128-4.5-05	JD56748-29	JD56748	Sediment	TOC, TS, PCBs
RB-2211281559	JD56748-30	JD56748	Water	PCBs, TOC
SE-BW5A-6-C-6-221128-00-01	JD56748-31	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-6-221128-01-1.5	JD56748-32	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-6-221128-02-2.5	JD56748-33	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-6-221128-1.5-02	JD56748-34	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-6-221128-2.5-2.9	JD56748-35	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-6-BD0001	JD56748-36	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-6-7-221128-00-01	JD56748-37	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-6-7-221128-01-1.5	JD56748-38	JD56748	Sediment	TOC, TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-BW5A-6-C-D-6-7-221128-02-2.5	JD56748-39	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-6-7-221128-03-3.26	JD56748-40	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-6-7-221128-1.5-02	JD56748-41	JD56748	Sediment	TOC, TS, PCBs
SE-BW5A-6-C-D-6-7-221128-2.5-03	JD56748-42	JD56748	Sediment	TOC, TS, PCBs
SE-184-82-C-221202-0.5-01	JD56816-1	JD56816	Sediment	TOC, TS, PCBs
SE-184-82-C-221202-00-0.5	JD56816-2	JD56816	Sediment	TOC, TS, PCBs
SE-184-82-CG-221202-00-01	JD56816-3	JD56816	Sediment	MC, GS
SE-184-82-E-221202-0.5-01	JD56816-4	JD56816	Sediment	TOC, TS, PCBs
SE-184-82-E-221202-00-0.5	JD56816-5	JD56816	Sediment	TOC, TS, PCBs
SE-184-82-W-221202-0.5-0.91	JD56816-6	JD56816	Sediment	TOC, TS, PCBs
SE-184-82-W-221202-00-0.5	JD56816-7	JD56816	Sediment	TOC, TS, PCBs
SE-190-03-C-221202-0.5-01	JD56816-8	JD56816	Sediment	TOC, TS, PCBs
SE-190-03-C-221202-00-0.5	JD56816-9	JD56816	Sediment	TOC, TS, PCBs
SE-190-03-C-221202-01-1.44	JD56816-10	JD56816	Sediment	TOC, TS, PCBs
SE-190-03-CG-221202-00-1.44	JD56816-11	JD56816	Sediment	GS, TS
SE-190-03-E-221202-0.5-0.85	JD56816-12	JD56816	Sediment	TOC, TS, PCBs
SE-190-03-E-221202-00-0.5	JD56816-13	JD56816	Sediment	TOC, TS, PCBs
SE-190-03-W-221202-0.5-01	JD56816-14	JD56816	Sediment	TOC, TS, PCBs
SE-190-03-W-221202-00-0.5	JD56816-15	JD56816	Sediment	TOC, TS, PCBs
SE-190-03-W-221202-01-1.36	JD56816-16	JD56816	Sediment	TOC, TS, PCBs
SE-205-17-C-221202-0.5-01	JD56816-17	JD56816	Sediment	TOC, TS, PCBs
SE-205-17-C-221202-00-0.5	JD56816-18	JD56816	Sediment	TOC, TS, PCBs
SE-205-17-C-221202-01-1.3	JD56816-19	JD56816	Sediment	TOC, TS, PCBs
SE-205-17-E-221202-0.5-01	JD56816-20	JD56816	Sediment	TOC, TS, PCBs
SE-205-17-E-221202-00-0.5	JD56816-21	JD56816	Sediment	TOC, TS, PCBs
SE-205-17-EG-221202-00-01	JD56816-22	JD56816	Sediment	Density, GS, TS
SE-205-17-W-221202-0.5-01	JD56816-23	JD56816	Sediment	TOC, TS, PCBs
SE-205-17-W-221202-00-0.5	JD56816-24	JD56816	Sediment	TOC, TS, PCBs
SE-205-17-W-221202-01-1.25	JD56816-25	JD56816	Sediment	TOC, TS, PCBs

Data Validation Report – EPA Stage 2A

June 9, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0100

This report summarizes the review of analytical results for 110 soil samples, 6 field duplicate samples, and 8 equipment rinsate blanks collected in April 2023. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Density by SM2937
- Specific gravity (SG) by ASTM D1429

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field Quality Control (QC) included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Eight equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs. All PCB results were below detection.

Field Duplicates

Six field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD according to the QAPP. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD or difference values were within control limits.

Table 1
Field Duplicate Summary

Analyte	RB-W-017-59- 230418-00-01	RB-W-017-59- BD0001	RPD	Difference	Difference CL
Aroclor 1260	2670 µg/kg	1670 µg/kg	46%	--	--
Total solids	69.0 %	65.7 %	5%	--	--

Analyte	RB-W-026-29- 230418-00-01	RB-W-026-29- BD0001	RPD	Difference	Difference CL
Aroclor 1260	625 µg/kg	949 µg/kg	41%	--	--

Analyte	RB-W-026-29-230418-00-01	RB-W-026-29-BD0001	RPD	Difference	Difference CL
Total solids	79.4 %	86.3 %	8%	--	--

Analyte	RB-E-060-63-230419-00-01	RB-E-060-63-BD0001	RPD	Difference	Difference CL
Aroclor 1260	8290 µg/kg	6410 µg/kg	26%	--	--
Total solids	80.1 %	74.4 %	7%	--	--

Analyte	RB-E-238-87-230421-00-01	RB-E-238-87-BD0001	RPD	Difference	Difference CL
Aroclor 1260	8690 µg/kg	7620 µg/kg	--	1070 µg/kg	5000 µg/kg
Total solids	76.2 %	75.6 %	1%	--	--

Analyte	RB-E-054-29-230420-00-01	RB-E-054-29-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1310 µg/kg	1120 µg/kg	16%	--	--
Total solids	71.5 %	47.0 %	41%	--	--

Analyte	RB-E-074-16-230414-00-01	RB-E-074-16-BD0001	RPD	Difference	Difference CL
Aroclor 1260	9080 µg/kg	8850 µg/kg	3%	--	--
Total solids	80.5 %	80.7 %	0%	--	--

Notes:

CL: Control Limit

µg/kg: microgram per kilogram

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however;

data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were within control limits.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. All data are acceptable as reported or qualified. Completeness was 100%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Qualifier	Reason
Various	PCBs	Various	U	Result was not detected above the MDL
			J	Result was above the MDL, but less than the MRL

References

- Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.
- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.
- EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-070-73-230414-00-01	JD64115-1	JD64115	Soil	TS, PCBs
RB-2304141329	JD64115-2	JD64115	Water	PCBs
RB-E-071-24-230414-00-01	JD64115-3	JD64115	Soil	TS, PCBs
RB-E-071-72-230414-00-01	JD64115-4	JD64115	Soil	TS, PCBs
RB-E-072-19-230414-00-01	JD64115-5	JD64115	Soil	TS, PCBs
RB-E-072-46-230414-00-01	JD64115-6	JD64115	Soil	TS, PCBs
RB-E-072-72-230414-00-01	JD64115-7	JD64115	Soil	MC, GS, TS, PCBs
RB-E-073-18-230414-00-01	JD64115-8	JD64115	Soil	TS, PCBs
RB-E-073-66-230414-00-01	JD64115-9	JD64115	Soil	TS, PCBs
RB-E-074-16-230414-00-01	JD64115-10	JD64115	Soil	TS, PCBs
RB-E-074-16-BD0001	JD64115-11	JD64115	Soil	TS, PCBs
RB-E-074-65-230414-00-01	JD64115-12	JD64115	Soil	TS, PCBs
RB-E-075-14-230414-00-01	JD64115-13	JD64115	Soil	TS, PCBs
RB-E-075-60-230414-00-01	JD64115-14	JD64115	Soil	TS, PCBs
RB-E-076-05-230414-00-01	JD64115-15	JD64115	Soil	TS, PCBs
RB-E-076-51-230414-00-01	JD64115-16	JD64115	Soil	TS, PCBs
RB-E-077-00-230414-00-01	JD64115-17	JD64115	Soil	TS, PCBs
RB-E-077-55-230414-00-01	JD64115-18	JD64115	Soil	TS, PCBs
RB-E-078-05-230414-00-01	JD64115-19	JD64115	Soil	TS, PCBs
RB-E-078-56-230414-00-01	JD64115-20	JD64115	Soil	TS, PCBs
RB-E-079-15-230414-00-01	JD64115-21	JD64115	Soil	TS, PCBs
RB-E-079-86-230414-00-01	JD64115-22	JD64115	Soil	MC, GS, TS, PCBs
RB-E-080-41-230414-00-01	JD64115-23	JD64115	Soil	TS, PCBs
RB-E-057-06-230419-00-01	JD64402-1	JD64402	Soil	MC, GS, TS, PCBs
RB-E-057-32-230419-00-01	JD64402-2	JD64402	Soil	TS, PCBs
RB-E-057-51-230419-00-01	JD64402-3	JD64402	Soil	TS, PCBs
RB-E-058-04-230419-00-01	JD64402-4	JD64402	Soil	TS, PCBs
RB-E-058-28-230419-00-01	JD64402-5	JD64402	Soil	TS, PCBs
RB-E-058-57-230419-00-01	JD64402-6	JD64402	Soil	TS, PCBs
RB-E-059-03-230419-00-01	JD64402-7	JD64402	Soil	TS, PCBs
RB-E-059-27-230419-00-01	JD64402-8	JD64402	Soil	TS, PCBs
RB-E-059-50-230419-00-01	JD64402-9	JD64402	Soil	MC, GS, TS, PCBs
RB-E-059-79-230419-00-01	JD64402-10	JD64402	Soil	TS, PCBs
RB-E-060-22-230419-00-01	JD64402-11	JD64402	Soil	TS, PCBs
RB-E-060-63-230419-00-01	JD64402-12	JD64402	Soil	TS, PCBs
RB-E-060-63-BD0001	JD64402-13	JD64402	Soil	TS, PCBs
RB-E-061-09-230419-00-01	JD64402-14	JD64402	Soil	SG, MC, Density, GS, TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-061-54-230419-00-01	JD64402-15	JD64402	Soil	TS, PCBs
RB-E-062-05-230419-00-01	JD64402-16	JD64402	Soil	TS, PCBs
RB-2304191231	JD64402-17	JD64402	Water	PCBs
RB-E-062-47-230419-00-01	JD64402-18	JD64402	Soil	TS, PCBs
RB-E-062-96-230419-00-01	JD64402-19	JD64402	Soil	TS, PCBs
RB-E-063-46-230419-00-01	JD64402-20	JD64402	Soil	TS, PCBs
RB-E-063-90-230419-00-01	JD64402-21	JD64402	Soil	TS, PCBs
RB-2304191226	JD64402-22	JD64402	Water	PCBs
RB-E-064-43-230419-00-01	JD64402-23	JD64402	Soil	TS, PCBs
RB-E-064-96-230419-00-01	JD64402-24	JD64402	Soil	TS, PCBs
RB-E-065-44-230419-00-01	JD64402-25	JD64402	Soil	TS, PCBs
RB-W-016-06-230418-00-01	JD64412-1	JD64412	Soil	TS, PCBs
RB-W-016-48-230418-00-01	JD64412-2	JD64412	Soil	TS, PCBs
RB-W-017-08-230418-00-01	JD64412-3	JD64412	Soil	TS, PCBs
RB-W-017-59-230418-00-01	JD64412-4	JD64412	Soil	TS, PCBs
RB-W-017-59-BD0001	JD64412-5	JD64412	Soil	TS, PCBs
RB-2304181307	JD64412-6	JD64412	Water	PCBs
RB-W-018-26-230418-00-01	JD64412-7	JD64412	Soil	TS, PCBs
RB-W-018-82-230418-00-01	JD64412-8	JD64412	Soil	TS, PCBs
RB-W-019-31-230418-00-01	JD64412-9	JD64412	Soil	TS, PCBs
RB-W-019-83-230418-00-01	JD64412-10	JD64412	Soil	MC, GS, TS, PCBs
RB-W-020-34-230418-00-01	JD64412-11	JD64412	Soil	TS, PCBs
RB-W-020-83-230418-00-01	JD64412-12	JD64412	Soil	TS, PCBs
RB-W-021-33-230418-00-01	JD64412-13	JD64412	Soil	TS, PCBs
RB-W-021-81-230418-00-01	JD64412-14	JD64412	Soil	TS, PCBs
RB-W-022-25-230418-00-01	JD64412-15	JD64412	Soil	TS, PCBs
RB-W-022-74-230418-00-01	JD64412-16	JD64412	Soil	TS, PCBs
RB-W-022-96-230418-00-01	JD64412-17	JD64412	Soil	TS, PCBs
RB-W-023-41-230418-00-01	JD64412-18	JD64412	Soil	TS, PCBs
RB-W-023-68-230418-00-01	JD64412-19	JD64412	Soil	TS, PCBs
RB-W-024-13-230418-00-01	JD64412-20	JD64412	Soil	MC, GS, TS, PCBs
RB-W-024-75-230418-00-01	JD64412-21	JD64412	Soil	TS, PCBs
RB-W-025-30-230418-00-01	JD64412-22	JD64412	Soil	TS, PCBs
RB-W-025-46-230418-00-01	JD64412-23	JD64412	Soil	TS, PCBs
RB-W-025-84-230418-00-01	JD64412-24	JD64412	Soil	TS, PCBs
RB-W-026-29-230418-00-01	JD64412-25	JD64412	Soil	TS, PCBs
RB-W-026-29-BD0001	JD64412-26	JD64412	Soil	TS, PCBs
RB-E-049-08-230420-00-01	JD64558-1	JD64558	Soil	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-049-65-230420-00-01	JD64558-2	JD64558	Soil	TS, PCBs
RB-2304201510	JD64558-3	JD64558	Water	PCBs
RB-E-050-20-230420-00-01	JD64558-4	JD64558	Soil	TS, PCBs
RB-E-050-73-230420-00-01	JD64558-5	JD64558	Soil	TS, PCBs
RB-E-051-20-230420-00-01	JD64558-6	JD64558	Soil	TS, PCBs
RB-E-051-69-230420-00-01	JD64558-7	JD64558	Soil	TS, PCBs
RB-E-052-14-230420-00-01	JD64558-8	JD64558	Soil	TS, PCBs
RB-E-052-61-230420-00-01	JD64558-9	JD64558	Soil	TS, PCBs
RB-E-053-01-230420-00-01	JD64558-10	JD64558	Soil	TS, PCBs
RB-E-053-24-230420-00-01	JD64558-11	JD64558	Soil	TS, PCBs
RB-E-053-38-230420-00-01	JD64558-12	JD64558	Soil	TS, PCBs
RB-2304201503	JD64558-13	JD64558	Water	PCBs
RB-E-053-59-230420-00-01	JD64558-14	JD64558	Soil	TS, PCBs
RB-E-053-77-230420-00-01	JD64558-15	JD64558	Soil	TS, PCBs
RB-E-053-96-230420-00-01	JD64558-16	JD64558	Soil	TS, PCBs
RB-E-054-08-230420-00-01	JD64558-17	JD64558	Soil	MC, GS, TS, PCBs
RB-E-054-29-230420-00-01	JD64558-18	JD64558	Soil	TS, PCBs
RB-E-054-29-BD0001	JD64558-19	JD64558	Soil	TS, PCBs
RB-E-054-50-230420-00-01	JD64558-20	JD64558	Soil	TS, PCBs
RB-E-054-74-230420-00-01	JD64558-21	JD64558	Soil	TS, PCBs
RB-E-054-95-230420-00-01	JD64558-22	JD64558	Soil	TS, PCBs
RB-E-055-19-230420-00-01	JD64558-23	JD64558	Soil	TS, PCBs
RB-E-055-42-230420-00-01	JD64558-24	JD64558	Soil	MC, GS, TS, PCBs
RB-E-055-64-230420-00-01	JD64558-25	JD64558	Soil	TS, PCBs
RB-E-055-94-230420-00-01	JD64558-26	JD64558	Soil	TS, PCBs
RB-E-056-18-230420-00-01	JD64558-27	JD64558	Soil	TS, PCBs
RB-E-238-18-230421-00-01	JD64560-1	JD64560	Soil	TS, PCBs
RB-2304211530	JD64560-2	JD64560	Water	PCBs
RB-E-238-27-230421-00-01	JD64560-3	JD64560	Soil	TS, PCBs
RB-2304211540	JD64560-4	JD64560	Water	PCBs
RB-E-238-36-230421-00-01	JD64560-5	JD64560	Soil	TS, PCBs
RB-E-238-53-230421-00-01	JD64560-6	JD64560	Soil	MC, GS, TS, PCBs
RB-E-238-71-230421-00-01	JD64560-7	JD64560	Soil	TS, PCBs
RB-E-238-87-230421-00-01	JD64560-8	JD64560	Soil	TS, PCBs
RB-E-238-87-BD0001	JD64560-9	JD64560	Soil	TS, PCBs
RB-E-239-26-230421-00-01	JD64560-10	JD64560	Soil	TS, PCBs
RB-E-239-85-230421-00-01	JD64560-11	JD64560	Soil	TS, PCBs
RB-E-240-33-230421-00-01	JD64560-12	JD64560	Soil	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-240-71-230421-00-01	JD64560-13	JD64560	Soil	TS, PCBs
RB-E-241-06-230421-00-01	JD64560-14	JD64560	Soil	TS, PCBs
RB-E-241-24-230421-00-01	JD64560-15	JD64560	Soil	TS, PCBs
RB-E-241-66-230421-00-01	JD64560-16	JD64560	Soil	TS, PCBs
RB-E-241-88-230421-00-01	JD64560-17	JD64560	Soil	TS, PCBs
RB-E-242-11-230421-00-01	JD64560-18	JD64560	Soil	TS, PCBs
RB-E-242-37-230421-00-01	JD64560-19	JD64560	Soil	SG, MC, Density, GS, TS, PCBs
RB-E-242-61-230421-00-01	JD64560-20	JD64560	Soil	TS, PCBs
RB-E-243-05-230421-00-01	JD64560-21	JD64560	Soil	TS, PCBs
RB-E-243-26-230421-00-01	JD64560-22	JD64560	Soil	TS, PCBs
RB-E-243-45-230421-00-01	JD64560-23	JD64560	Soil	TS, PCBs

Data Validation Report – EPA Stage 2A

June 21, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0102

This report summarizes the review of analytical results for 184 sediment samples, 10 field duplicate samples, and 9 equipment rinsate blanks collected in April 2023. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Total solids (TS) by Standard Method 2540G
- Pesticides by USEPA 8081B
- Semi-Volatile Organics (SVOCs) by USEPA 8270E
- Herbicides by USEPA 8151A
- Volatile Organics (VOCs) by USEPA 8260D
- Metals by USEPA 6010D and 7470A

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Four SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks and leachate blanks were analyzed at the required frequencies and were free of target analytes with the exception of chloroform in the leachate blank in batch GP46437. Nine sample results were above the method detection limit (MDL) and below the method reporting limit (MRL). These sample results were reported at the MRL and qualified "U".

Field Quality Control

Field Quality Control (QC) included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Nine equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and TOC. Seven equipment rinsate blanks had detectable TOC results. Associated sample results were significantly greater than (greater than five times) the levels detected in the blanks, so no data were qualified.

Field Duplicates

Nine field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD according to the QAPP. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-025-59-E-R- 230420-0.5-01	SE-025-59-E-R- BD0001	RPD	Difference	Difference CL
Aroclor 1254	48 µg/kg	416 µg/kg	--	368.0 µg/kg	96.0 µg/kg
Aroclor 1260	3110 µg/kg	1550 µg/kg	67%	--	--
TOC	71400 mg/kg	66200 mg/kg	8%	--	--
Total solids	38.3 %	34.0 %	12%	--	--

Analyte	SE-043-16-E-R- 230420-0.5-01	SE-043-16-E-R- BD0001	RPD	Difference	Difference CL
Aroclor 1254	9.5 µg/kg	40.5 µg/kg	--	31.0 µg/kg	46.0 µg/kg
Aroclor 1260	34.3 µg/kg	114 µg/kg	--	79.7 µg/kg	46.0 µg/kg
TOC	1010 mg/kg	1920 mg/kg	62%	--	--
Total solids	83.6 %	83.3 %	0%	--	--

Analyte	SE-068-20-C-R- 230421-0.5-01	SE-068-20-C-R- BD0001	RPD	Difference	Difference CL
Aroclor 1254	215 µg/kg	22 µg/kg	--	193.0 µg/kg	240.0 µg/kg
Aroclor 1260	602 µg/kg	1590 µg/kg	90%	--	--
TOC	20000 mg/kg	1510 mg/kg	172%	--	--
Total solids	82.7 %	86.4 %	4%	--	--

Analyte	SE-091-28-E-R- 230424-00-0.5	SE-091-28-E-R- BD0001	RPD	Difference	Difference CL
Aroclor 1254	42.9 µg/kg	35.9 µg/kg	--	7.0 µg/kg	48.0 µg/kg
Aroclor 1260	205 µg/kg	106 µg/kg	64%	--	--
TOC	4050 mg/kg	6070 mg/kg	40%	--	--
Total solids	79.9 %	87.3 %	9%	--	--

Analyte	SE-091-28-W-R- 230424-1.5-02	SE-091-28-W-R- BD0001	RPD	Difference	Difference CL
TOC	1010 mg/kg	632 mg/kg	46%	--	--
Total solids	93.7 %	91.2 %	3%	--	--

Analyte	SE-114-39-C-R-230424-0.5-01	SE-114-39-C-R-BD0001	RPD	Difference	Difference CL
Aroclor 1260	3250 µg/kg	2060 µg/kg	--	1190.0 µg/kg	2000.0 µg/kg
TOC	2100 mg/kg	1270 mg/kg	49%	--	--
Total solids	90.6 %	89.7 %	1%	--	--

Analyte	SE-134-45-W-R-230424-0.5-01	SE-134-45-W-R-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1570 µg/kg	121000 µg/kg	195%	--	--
TOC	1140 mg/kg	1750 mg/kg	42%	--	--
Total solids	89.7 %	89.4 %	0%	--	--

Analyte	SE-149-52-W-R-230424-2.5-03	SE-149-52-W-R-BD0001	RPD	Difference	Difference CL
Aroclor 1260	66600 µg/kg	1870 µg/kg	189%	--	--
TOC	5360 mg/kg	4520 mg/kg	17%	--	--
Total solids	69.7 %	71.9 %	3%	--	--

Analyte	SE-182-31-C-R-230424-2.5-03	SE-182-31-C-R-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1120 µg/kg	2200 µg/kg	65%	--	--
TOC	20200 mg/kg	56400 mg/kg	95%	--	--
Total solids	72.7 %	63.8 %	13%	--	--

Notes:

CL: Control Limit

µg/kg: microgram per kilogram

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however;

data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were within control limits.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the following exceptions:

- SDG JD64561– The Aroclor 1254 RPD value was above the control limit in the analysis of samples SE-043-16-E-R-230420-0.5-01 and SE-043-16-W-R-230420-0.5-01. The Aroclor 1254 results have been qualified "J" as estimated.
- SDG JD64580– The Aroclor 1254 RPD value was above the control limit in the analysis of sample SE-114-39-W-R-230424-2.5-03. The Aroclor 1254 results has been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- SDG JD64414
 - TOC recovered above the control limit in the MS and/or MSD analyzed on samples SE-000-00-C-R-230419-1.5-02 and SE-000-00-E-R-230419-1.5-02 in batch GP46384. Associated batch sample results have been qualified "J" to indicate a high bias.
- SDG JD64561
 - Aroclor 1254 recovered below the control limit in the MSD analyzed on sample SE-025-59-E-R-230420-00-0.5; and the RPD between the MS and MSD was above the control limit. The Aroclor 1254 result has been qualified "J" to indicate a low bias.
 - Aroclor 1260 recovered above the control limit in the MS analyzed on sample SE-025-59-E-R-230420-00-0.5; and the RPD between the MS and MSD was above the control limit. The Aroclor 1260 result has been qualified "J" to indicate a high bias.

- The Aroclor 1260 RPD between the MS and MSD analyzed on sample SE-043-16-E-R-230420-01-1.5 was above the control limit. The Aroclor 1260 result has been qualified “J” as an estimate value.
- TOC recovered above the control limit in the MSD analyzed on sample SE-025-59-E-R-230420-00-0.5 in batch GP46438. Associated batch sample results have been qualified “J” to indicate a high bias.
- TOC recovered below the control limit in the MS and MSD analyzed on sample SE-043-16-E-R-230420-01-1.5 in batch GP46440. Associated batch sample results have been qualified “J” to indicate a low bias.
- SDG JD64580
 - Aroclor 1254 and Aroclor 1260 recovered below the control limit in the MS and/or MSD analyzed on sample SE-091-28-E-R-230424-0.5-01. The Aroclor 1248, 1254, and 1260 results has been qualified “UJ” or “J” to indicate a low bias.
 - TOC recovered above the control limit in the MS and/or MSD analyzed on samples SE-091-28-W-R-230424-01-1.5 and SE-182-31-C-R-230424-02-2.5 in batches GP46531 and GP46581. Associated batch sample results have been qualified “J” to indicate a high bias.
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-091-28-C-R-230424-02-2.5, SE-134-45-C-R-230424-00-0.5, SE-149-52-W-R-230424-02-2.5, and SE-182-31-E-R-230424-2.5-03 in batches GP46510, GP46534, GP46580, and GP46583. respectively. The RPD between the MS and MSD was above the control limit in batch GP46580. Associated batch sample results have been qualified “J” to indicate a low bias.
 - The TOC RPD between the MS and MSD analyzed on sample SE-134-45-W-R-230424-00-0.5 was above the control limit in batch GP46553. Associated batch sample results have been qualified “J” to indicate they are estimated.
- SDG JD64583
 - TOC recovered below the control limit in the MS and MSD analyzed on sample SE-068-20-C-R-230421-00-0.5 in batch GP46507. Associated batch sample results have been qualified “J” to indicate a low bias.
 - TOC recovered above the control limit in the MS analyzed on sample SE-078-22-C-R-230421-2.5-03 in batch GP46508. Associated batch sample results have been qualified “J” to indicate a high bias.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. All data are acceptable as reported or qualified. Completeness was 100%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-000-00-C-R-230419-0.5-01	Conventionals	TOC	10300 mg/kg	10300J mg/kg	MS/MSD %R above CL
SE-000-00-C-R-230419-00-0.5	Conventionals	TOC	8220 mg/kg	8220J mg/kg	MS/MSD %R above CL
SE-000-00-C-R-230419-01-1.5	Conventionals	TOC	13700 mg/kg	13700J mg/kg	MS/MSD %R above CL
SE-000-00-C-R-230419-02-2.5	Conventionals	TOC	7840 mg/kg	7840J mg/kg	MS/MSD %R above CL
SE-000-00-C-R-230419-1.5-02	Conventionals	TOC	14100 mg/kg	14100J mg/kg	MS %R above CL
SE-000-00-C-R-230419-2.5-03	Conventionals	TOC	20200 mg/kg	20200J mg/kg	MS/MSD %R above CL
SE-000-00-E-R-230419-0.5-01	Conventionals	TOC	4260 mg/kg	4260J mg/kg	MS/MSD %R above CL
SE-000-00-E-R-230419-00-0.5	Conventionals	TOC	2760 mg/kg	2760J mg/kg	MS/MSD %R above CL
SE-000-00-E-R-230419-01-1.5	Conventionals	TOC	37000 mg/kg	37000J mg/kg	MS/MSD %R above CL
SE-000-00-E-R-230419-02-2.5	Conventionals	TOC	11900 mg/kg	11900J mg/kg	MS/MSD %R above CL
SE-000-00-E-R-230419-1.5-02	Conventionals	TOC	9790 mg/kg	9790J mg/kg	MS/MSD %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-000-00-E-R-230419-2.5-2.95	Conventionals	TOC	10900 mg/kg	10900J mg/kg	MS/MSD %R above CL
SE-000-00-W-R-230419-0.5-01	Conventionals	TOC	18100 mg/kg	18100J mg/kg	MS/MSD %R above CL
SE-000-00-W-R-230419-00-0.5	Conventionals	TOC	13500 mg/kg	13500J mg/kg	MS/MSD %R above CL
SE-000-00-W-R-230419-01-1.5	Conventionals	TOC	19500 mg/kg	19500J mg/kg	MS/MSD %R above CL
SE-000-00-W-R-230419-02-2.5	Conventionals	TOC	13900 mg/kg	13900J mg/kg	MS/MSD %R above CL
SE-000-00-W-R-230419-1.5-02	Conventionals	TOC	13100 mg/kg	13100J mg/kg	MS/MSD %R above CL
SE-000-00-W-R-230419-2.5-03	Conventionals	TOC	10700 mg/kg	10700J mg/kg	MS/MSD %R above CL
SE-025-59-C-R-230420-0.5-01	Conventionals	TOC	1150 mg/kg	1150J mg/kg	MSD %R above CL
SE-025-59-C-R-230420-00-0.5	Conventionals	TOC	14600 mg/kg	14600J mg/kg	MSD %R above CL
SE-025-59-C-R-230420-01-1.5	Conventionals	TOC	681 mg/kg	681J mg/kg	MSD %R above CL
SE-025-59-C-R-230420-02-2.5	Conventionals	TOC	672 mg/kg	672J mg/kg	MSD %R above CL
SE-025-59-C-R-230420-1.5-02	Conventionals	TOC	676 mg/kg	676J mg/kg	MSD %R above CL
SE-025-59-C-R-230420-2.5-03	Conventionals	TOC	673 mg/kg	673J mg/kg	MSD %R above CL
SE-025-59-COMP-230420-00-03	Volatile Organics	Chloroform	3.3J µg/L	5U µg/L	Method Blank above CL
SE-025-59-E-R-230420-0.5-01	Conventionals	TOC	71400 mg/kg	71400J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	48 µg/kg	48UJ µg/kg	FD RPD above CL
		Aroclor 1260	3110 µg/kg	3110J µg/kg	
SE-025-59-E-R-230420-00-0.5	Conventionals	TOC	3190 mg/kg	3190J mg/kg	MSD %R above CL
	PCBs	Aroclor 1254	44.6 µg/kg	44.6J µg/kg	MS/MSD RPD above CL; MSD %R below CL
		Aroclor 1260	113 µg/kg	113J µg/kg	MS/MSD RPD above CL; MS %R above CL
SE-025-59-E-R-230420-01-1.5	Conventionals	TOC	235000 mg/kg	235000J mg/kg	MSD %R above CL
SE-025-59-E-R-230420-02-2.5	Conventionals	TOC	4240 mg/kg	4240J mg/kg	MSD %R above CL
SE-025-59-E-R-BD0001	PCBs	Aroclor 1254	416 µg/kg	416J µg/kg	FD RPD above CL
		Aroclor 1260	1550 µg/kg	1550J µg/kg	
SE-043-16-C-R-230420-00-0.5	Conventionals	TOC	1830 mg/kg	1830J mg/kg	MS/MSD %R below CL
SE-043-16-C-R-230420-01-1.5	Conventionals	TOC	1470 mg/kg	1470J mg/kg	MS/MSD %R below CL
SE-043-16-C-R-230420-02-2.5	Conventionals	TOC	4820 mg/kg	4820J mg/kg	MS/MSD %R below CL
SE-043-16-C-R-230420-1.5-02	Conventionals	TOC	3150 mg/kg	3150J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-043-16-C-R-230420-2.5-03	Conventionals	TOC	449 mg/kg	449J mg/kg	MS/MSD %R below CL
SE-043-16-COMP-230420-00-03	Volatile Organics	Chloroform	4.5J µg/L	5U µg/L	Method Blank above CL
SE-043-16-E-R-230420-0.5-01	Conventionals	TOC	1010 mg/kg	1010J mg/kg	FD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1254	9.5 µg/kg	9.5J µg/kg	Column Confirmation RPD above CL
		Aroclor 1260	34.3 µg/kg	34.3J µg/kg	FD RPD above CL
SE-043-16-E-R-230420-00-0.5	Conventionals	TOC	7550 mg/kg	7550J mg/kg	MS/MSD %R below CL
SE-043-16-E-R-230420-01-1.5	Conventionals	TOC	879 mg/kg	879J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	11.4 µg/kg	11.4J µg/kg	MS/MSD RPD above CL
SE-043-16-E-R-230420-02-2.5	Conventionals	TOC	494 mg/kg	494J mg/kg	MS/MSD %R below CL
SE-043-16-E-R-230420-1.5-02	Conventionals	TOC	694 mg/kg	694J mg/kg	MS/MSD %R below CL
SE-043-16-E-R-BD0001	Conventionals	TOC	1920 mg/kg	1920J mg/kg	FD RPD above CL
	PCBs	Aroclor 1260	114 µg/kg	114J µg/kg	FD RPD above CL
SE-043-16-W-R-230420-0.5-01	PCBs	Aroclor 1254	618 µg/kg	618J µg/kg	Column Confirmation RPD above CL
SE-068-20-C-R-230421-0.5-01	Conventionals	TOC	20000 mg/kg	20000J mg/kg	FD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1260	602 µg/kg	602J µg/kg	FD RPD above CL
SE-068-20-C-R-230421-00-0.5	Conventionals	TOC	7610 mg/kg	7610J mg/kg	MS/MSD %R below CL
SE-068-20-C-R-230421-01-1.5	Conventionals	TOC	4490 mg/kg	4490J mg/kg	MS/MSD %R below CL
SE-068-20-C-R-230421-1.5-02	Conventionals	TOC	1930 mg/kg	1930J mg/kg	MS/MSD %R below CL
SE-068-20-C-R-BD0001	Conventionals	TOC	1510 mg/kg	1510J mg/kg	FD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1260	1590 µg/kg	1590J µg/kg	FD RPD above CL
SE-068-20-COMP-230421-00-02	Volatile Organics	Chloroform	3.7J µg/L	5U µg/L	Method Blank above CL
SE-068-20-E-R-230421-0.5-01	Conventionals	TOC	1430 mg/kg	1430J mg/kg	MS/MSD %R below CL
SE-068-20-E-R-230421-00-0.5	Conventionals	TOC	11300 mg/kg	11300J mg/kg	MS/MSD %R below CL
SE-068-20-E-R-230421-01-1.5	Conventionals	TOC	641 mg/kg	641J mg/kg	MS/MSD %R below CL
SE-068-20-E-R-230421-1.5-02	Conventionals	TOC	1360 mg/kg	1360J mg/kg	MS/MSD %R below CL
SE-068-20-W-R-230421-0.5-01	Conventionals	TOC	4460 mg/kg	4460J mg/kg	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-068-20-W-R-230421-00-0.5	Conventionals	TOC	1710 mg/kg	1710J mg/kg	MS %R above CL
SE-068-20-W-R-230421-01-1.5	Conventionals	TOC	3630 mg/kg	3630J mg/kg	MS %R above CL
SE-068-20-W-R-230421-1.5-1.8	Conventionals	TOC	44100 mg/kg	44100J mg/kg	MS %R above CL
SE-078-22-C-R-230421-0.5-01	Conventionals	TOC	8940 mg/kg	8940J mg/kg	MS %R above CL
SE-078-22-C-R-230421-00-0.5	Conventionals	TOC	7140 mg/kg	7140J mg/kg	MS %R above CL
SE-078-22-C-R-230421-01-1.5	Conventionals	TOC	24000 mg/kg	24000J mg/kg	MS %R above CL
SE-078-22-C-R-230421-02-2.5	Conventionals	TOC	57200 mg/kg	57200J mg/kg	MS %R above CL
SE-078-22-C-R-230421-1.5-02	Conventionals	TOC	218000 mg/kg	218000J mg/kg	MS %R above CL
SE-078-22-C-R-230421-2.5-03	Conventionals	TOC	6740 mg/kg	6740J mg/kg	MS %R above CL
SE-078-22-COMP-230421-00-03	Volatile Organics	Chloroform	4J µg/L	5U µg/L	Method Blank above CL
SE-078-22-E-R-230421-0.5-01	Conventionals	TOC	57000 mg/kg	57000J mg/kg	MS %R above CL
SE-078-22-W-R-230421-2.5-03	Conventionals	TOC	832 mg/kg	832J mg/kg	MS/MSD %R below CL
SE-091-28-C-R-230424-0.5-01	Conventionals	TOC	5300 mg/kg	5300J mg/kg	MS/MSD %R below CL
SE-091-28-C-R-230424-00-0.5	Conventionals	TOC	10100 mg/kg	10100J mg/kg	MS/MSD %R below CL
SE-091-28-C-R-230424-01-1.5	Conventionals	TOC	12200 mg/kg	12200J mg/kg	MS/MSD %R below CL
SE-091-28-C-R-230424-02-2.5	Conventionals	TOC	3970 mg/kg	3970J mg/kg	MS/MSD %R below CL
SE-091-28-C-R-230424-1.5-02	Conventionals	TOC	2960 mg/kg	2960J mg/kg	MS/MSD %R below CL
SE-091-28-C-R-230424-2.5-03	Conventionals	TOC	1850 mg/kg	1850J mg/kg	MS/MSD %R below CL
SE-091-28-COMP-230424-00-03	Volatile Organics	Chloroform	4J µg/L	5U µg/L	Method Blank above CL
SE-091-28-E-R-230424-0.5-01	Conventionals	TOC	8230 mg/kg	8230J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1248	23 µg/kg	23UJ µg/kg	MS %R below CL
		Aroclor 1254	21.3 µg/kg	21.3J µg/kg	MS/MSD %R below CL
		Aroclor 1260	97.0 µg/kg	97.0J µg/kg	MS %R below CL
SE-091-28-E-R-230424-00-0.5	Conventionals	TOC	4050 mg/kg	4050J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	205 µg/kg	205J µg/kg	FD RPD above CL
SE-091-28-E-R-230424-01-1.5	Conventionals	TOC	528 mg/kg	528J mg/kg	MS/MSD %R below CL
SE-091-28-E-R-230424-02-2.5	Conventionals	TOC	1460 mg/kg	1460J mg/kg	MS/MSD %R above CL
SE-091-28-E-R-230424-1.5-02	Conventionals	TOC	1740 mg/kg	1740J mg/kg	MS/MSD %R above CL
SE-091-28-E-R-230424-2.5-03	Conventionals	TOC	1240 mg/kg	1240J mg/kg	MS/MSD %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-091-28-E-R-BD0001	Conventionals	TOC	6070 mg/kg	6070J mg/kg	MS/MSD %R above CL
	PCBs	Aroclor 1260	106 µg/kg	106J µg/kg	FD RPD above CL
SE-091-28-W-R-230424-0.5-01	Conventionals	TOC	10600 mg/kg	10600J mg/kg	MS/MSD %R above CL
SE-091-28-W-R-230424-00-0.5	Conventionals	TOC	16900 mg/kg	16900J mg/kg	MS/MSD %R above CL
SE-091-28-W-R-230424-01-1.5	Conventionals	TOC	7490 mg/kg	7490J mg/kg	MS/MSD %R above CL
SE-091-28-W-R-230424-02-2.5	Conventionals	TOC	1710 mg/kg	1710J mg/kg	MS/MSD %R above CL
SE-091-28-W-R-230424-1.5-02	Conventionals	TOC	1010 mg/kg	1010J mg/kg	MS/MSD %R above CL
SE-091-28-W-R-230424-2.5-03	Conventionals	TOC	1820 mg/kg	1820J mg/kg	MS/MSD %R above CL
SE-114-39-W-R-230424-2.5-03	PCBs	Aroclor 1254	9.1 µg/kg	9.1J µg/kg	Column Confirmation RPD above CL
SE-134-45-C-R-230424-0.5-01	Conventionals	TOC	574 mg/kg	574J mg/kg	MS/MSD %R below CL
SE-134-45-C-R-230424-00-0.5	Conventionals	TOC	1130 mg/kg	1130J mg/kg	MS/MSD %R below CL
SE-134-45-C-R-230424-01-1.5	Conventionals	TOC	359 mg/kg	359J mg/kg	MS/MSD %R below CL
SE-134-45-C-R-230424-02-2.5	Conventionals	TOC	599 mg/kg	599J mg/kg	MS/MSD %R below CL
SE-134-45-C-R-230424-1.5-02	Conventionals	TOC	1360 mg/kg	1360J mg/kg	MS/MSD %R below CL
SE-134-45-C-R-230424-2.5-03	Conventionals	TOC	725 mg/kg	725J mg/kg	MS/MSD %R below CL
SE-134-45-COMP-230424-00-03	Volatile Organics	Chloroform	4.1J µg/L	5U µg/L	Method Blank above CL
SE-134-45-E-R-230424-0.5-01	Conventionals	TOC	9420 mg/kg	9420J mg/kg	MS/MSD %R below CL
SE-134-45-E-R-230424-00-0.5	Conventionals	TOC	8380 mg/kg	8380J mg/kg	MS/MSD %R below CL
SE-134-45-E-R-230424-01-1.5	Conventionals	TOC	3360 mg/kg	3360J mg/kg	MS/MSD %R below CL
SE-134-45-E-R-230424-02-2.5	Conventionals	TOC	701 mg/kg	701J mg/kg	MS/MSD %R below CL
SE-134-45-E-R-230424-1.5-02	Conventionals	TOC	836 mg/kg	836J mg/kg	MS/MSD RPD above CL
SE-134-45-E-R-230424-2.5-03	Conventionals	TOC	4100 mg/kg	4100J mg/kg	MS/MSD RPD above CL
SE-134-45-W-R-230424-0.5-01	Conventionals	TOC	1140 mg/kg	1140J mg/kg	MS/MSD RPD above CL
	PCBs	Aroclor 1260	1570 µg/kg	1570J µg/kg	FD RPD above CL
SE-134-45-W-R-230424-00-0.5	Conventionals	TOC	4710 mg/kg	4710J mg/kg	MS/MSD RPD above CL
SE-134-45-W-R-230424-01-1.5	Conventionals	TOC	3320 mg/kg	3320J mg/kg	MS/MSD RPD above CL
SE-134-45-W-R-230424-02-2.5	Conventionals	TOC	45400 mg/kg	45400J mg/kg	MS/MSD RPD above CL
SE-134-45-W-R-230424-1.5-02	Conventionals	TOC	1780 mg/kg	1780J mg/kg	MS/MSD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-134-45-W-R-230424-2.5-2.83	Conventionals	TOC	944 mg/kg	944J mg/kg	MS/MSD RPD above CL
SE-134-45-W-R-BD0001	Conventionals	TOC	1750 mg/kg	1750J mg/kg	MS/MSD RPD above CL
	PCBs	Aroclor 1260	121000 µg/kg	121000J µg/kg	FD RPD above CL
SE-149-52-C-R-230424-0.5-01	Conventionals	TOC	1780 mg/kg	1780J mg/kg	MS/MSD RPD above CL
SE-149-52-COMP-230424-00-03	Volatile Organics	Chloroform	3.6J µg/L	5U µg/L	Method Blank above CL
SE-149-52-COMP-BD0001	Volatile Organics	Chloroform	4J µg/L	5U µg/L	Method Blank above CL
SE-149-52-E-R-230424-2.5-03	Conventionals	TOC	7640 mg/kg	7640J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-149-52-W-R-230424-0.5-01	Conventionals	TOC	9600 mg/kg	9600J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-149-52-W-R-230424-00-0.5	Conventionals	TOC	9720 mg/kg	9720J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-149-52-W-R-230424-01-1.5	Conventionals	TOC	33700 mg/kg	33700J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-149-52-W-R-230424-02-2.5	Conventionals	TOC	5720 mg/kg	5720J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-149-52-W-R-230424-1.5-02	Conventionals	TOC	11900 mg/kg	11900J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-149-52-W-R-230424-2.5-03	Conventionals	TOC	5360 mg/kg	5360J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1260	66600 µg/kg	66600J µg/kg	FD RPD above CL
SE-149-52-W-R-BD0001	Conventionals	TOC	4520 mg/kg	4520J mg/kg	MS/MSD RPD above CL; MSD %R below CL
	PCBs	Aroclor 1260	1870 µg/kg	1870J µg/kg	FD RPD above CL
SE-182-31-C-R-230424-0.5-01	Conventionals	TOC	4740 mg/kg	4740J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-182-31-C-R-230424-00-0.5	Conventionals	TOC	2240 mg/kg	2240J mg/kg	MS/MSD RPD above CL; MSD %R below CL
SE-182-31-C-R-230424-01-1.5	Conventionals	TOC	4690 mg/kg	4690J mg/kg	MSD %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-182-31-C-R-230424-02-2.5	Conventionals	TOC	19400 mg/kg	19400J mg/kg	MSD %R above CL
SE-182-31-C-R-230424-1.5-02	Conventionals	TOC	1660 mg/kg	1660J mg/kg	MSD %R above CL
SE-182-31-C-R-230424-2.5-03	Conventionals	TOC	20200 mg/kg	20200J mg/kg	FD RPD above CL; MSD %R above CL
	PCBs	Aroclor 1260	1120 µg/kg	1120J µg/kg	FD RPD above CL
SE-182-31-C-R-BD0001	Conventionals	TOC	56400 mg/kg	56400J mg/kg	FD RPD above CL; MSD %R above CL
	PCBs	Aroclor 1260	2200 µg/kg	2200J µg/kg	FD RPD above CL
SE-182-31-COMP-230424-00-03	Volatile Organics	Chloroform	3.6J µg/L	5U µg/L	Method Blank above CL
SE-182-31-E-R-230424-0.5-01	Conventionals	TOC	25400 mg/kg	25400J mg/kg	MSD %R above CL
SE-182-31-E-R-230424-00-0.5	Conventionals	TOC	1360 mg/kg	1360J mg/kg	MSD %R above CL
SE-182-31-E-R-230424-01-1.5	Conventionals	TOC	31300 mg/kg	31300J mg/kg	MSD %R above CL
SE-182-31-E-R-230424-02-2.5	Conventionals	TOC	3800 mg/kg	3800J mg/kg	MSD %R above CL
SE-182-31-E-R-230424-1.5-02	Conventionals	TOC	67600 mg/kg	67600J mg/kg	MSD %R above CL
SE-182-31-E-R-230424-2.5-03	Conventionals	TOC	2000 mg/kg	2000J mg/kg	MS/MSD %R below CL
SE-182-31-W-R-230424-0.5-01	Conventionals	TOC	737 mg/kg	737J mg/kg	MS/MSD %R below CL
SE-182-31-W-R-230424-00-0.5	Conventionals	TOC	2260 mg/kg	2260J mg/kg	MS/MSD %R below CL
SE-182-31-W-R-230424-01-1.5	Conventionals	TOC	1730 mg/kg	1730J mg/kg	MS/MSD %R below CL
SE-182-31-W-R-230424-02-2.5	Conventionals	TOC	4940 mg/kg	4940J mg/kg	MS/MSD %R below CL
SE-182-31-W-R-230424-1.5-02	Conventionals	TOC	1600 mg/kg	1600J mg/kg	MS/MSD %R below CL
SE-182-31-W-R-230424-2.5-03	Conventionals	TOC	1290 mg/kg	1290J mg/kg	MS/MSD %R below CL

Notes:

%R: percent recovery

CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-000-00-C-R-230419-0.5-01	JD64414-1	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-C-R-230419-00-0.5	JD64414-2	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-C-R-230419-01-1.5	JD64414-3	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-C-R-230419-02-2.5	JD64414-4	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-C-R-230419-1.5-02	JD64414-5	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-C-R-230419-2.5-03	JD64414-6	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-COMP-230419-00-03	JD64414-7	JD64414	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
SE-000-00-E-R-230419-0.5-01	JD64414-8	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-E-R-230419-00-0.5	JD64414-9	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-E-R-230419-01-1.5	JD64414-10	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-E-R-230419-02-2.5	JD64414-11	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-E-R-230419-1.5-02	JD64414-12	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-E-R-230419-2.5-2.95	JD64414-13	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-W-R-230419-0.5-01	JD64414-14	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-W-R-230419-00-0.5	JD64414-15	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-W-R-230419-01-1.5	JD64414-16	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-W-R-230419-02-2.5	JD64414-17	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-W-R-230419-1.5-02	JD64414-18	JD64414	Sediment	TS, PCBs, TOC
SE-000-00-W-R-230419-2.5-03	JD64414-19	JD64414	Sediment	TS, PCBs, TOC
SE-025-59-C-R-230420-0.5-01	JD64561-1	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-C-R-230420-00-0.5	JD64561-2	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-C-R-230420-01-1.5	JD64561-3	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-C-R-230420-02-2.5	JD64561-4	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-C-R-230420-1.5-02	JD64561-5	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-C-R-230420-2.5-03	JD64561-6	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-COMP-230420-00-03	JD64561-7	JD64561	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
RB-2304200920	JD64561-8	JD64561	Water	PCBs, TOC
SE-025-59-E-R-230420-0.5-01	JD64561-9	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-E-R-230420-00-0.5	JD64561-10	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-E-R-230420-01-1.5	JD64561-11	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-E-R-230420-02-2.5	JD64561-12	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-E-R-230420-1.5-02	JD64561-13	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-E-R-230420-2.5-03	JD64561-14	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-E-R-BD0001	JD64561-15	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-W-R-230420-0.5-01	JD64561-16	JD64561	Sediment	TS, PCBs, TOC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-025-59-W-R-230420-00-0.5	JD64561-17	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-W-R-230420-01-1.5	JD64561-18	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-W-R-230420-02-2.5	JD64561-19	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-W-R-230420-1.5-02	JD64561-20	JD64561	Sediment	TS, PCBs, TOC
SE-025-59-W-R-230420-2.5-03	JD64561-21	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-C-R-230420-0.5-01	JD64561-22	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-C-R-230420-00-0.5	JD64561-23	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-C-R-230420-01-1.5	JD64561-24	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-C-R-230420-02-2.5	JD64561-25	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-C-R-230420-1.5-02	JD64561-26	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-C-R-230420-2.5-03	JD64561-27	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-COMP-230420-00-03	JD64561-28	JD64561	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
RB-2304201445	JD64561-29	JD64561	Water	PCBs, TOC
SE-043-16-E-R-230420-0.5-01	JD64561-30	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-E-R-230420-00-0.5	JD64561-31	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-E-R-230420-01-1.5	JD64561-32	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-E-R-230420-02-2.5	JD64561-33	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-E-R-230420-1.5-02	JD64561-34	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-E-R-230420-2.5-03	JD64561-35	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-E-R-BD0001	JD64561-36	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-W-R-230420-0.5-01	JD64561-37	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-W-R-230420-00-0.5	JD64561-38	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-W-R-230420-01-1.5	JD64561-39	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-W-R-230420-02-2.5	JD64561-40	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-W-R-230420-1.5-02	JD64561-41	JD64561	Sediment	TS, PCBs, TOC
SE-043-16-W-R-230420-2.5-03	JD64561-42	JD64561	Sediment	TS, PCBs, TOC
SE-091-28-C-R-230424-0.5-01	JD64580-1	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-C-R-230424-00-0.5	JD64580-2	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-C-R-230424-01-1.5	JD64580-3	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-C-R-230424-02-2.5	JD64580-4	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-C-R-230424-1.5-02	JD64580-5	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-C-R-230424-2.5-03	JD64580-6	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-COMP-230424-00-03	JD64580-7	JD64580	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
RB-2304240855	JD64580-8	JD64580	Water	PCBs, TOC
SE-091-28-E-R-230424-0.5-01	JD64580-9	JD64580	Sediment	TS, PCBs, TOC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-091-28-E-R-230424-00-0.5	JD64580-10	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-E-R-230424-01-1.5	JD64580-11	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-E-R-230424-02-2.5	JD64580-12	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-E-R-230424-1.5-02	JD64580-13	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-E-R-230424-2.5-03	JD64580-14	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-E-R-BD0001	JD64580-15	JD64580	Sediment	TS, PCBs, TOC
RB-2304241007	JD64580-16	JD64580	Water	PCBs, TOC
SE-091-28-W-R-230424-0.5-01	JD64580-17	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-W-R-230424-00-0.5	JD64580-18	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-W-R-230424-01-1.5	JD64580-19	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-W-R-230424-02-2.5	JD64580-20	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-W-R-230424-1.5-02	JD64580-21	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-W-R-230424-2.5-03	JD64580-22	JD64580	Sediment	TS, PCBs, TOC
SE-091-28-W-R-BD0001	JD64580-23	JD64580	Sediment	TS, PCBs, TOC
RB-2304241107	JD64580-24	JD64580	Water	PCBs, TOC
SE-114-39-C-R-230424-0.5-01	JD64580-25	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-C-R-230424-00-0.5	JD64580-26	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-C-R-230424-01-1.5	JD64580-27	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-C-R-230424-02-2.5	JD64580-28	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-C-R-230424-1.5-02	JD64580-29	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-C-R-230424-2.5-03	JD64580-30	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-C-R-BD0001	JD64580-31	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-COMP-230424-00-03	JD64580-32	JD64580	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
SE-114-39-E-R-230424-0.5-01	JD64580-33	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-E-R-230424-00-0.5	JD64580-34	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-E-R-230424-01-1.5	JD64580-35	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-E-R-230424-02-2.5	JD64580-36	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-E-R-230424-1.5-02	JD64580-37	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-E-R-230424-2.5-03	JD64580-38	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-W-R-230424-0.5-01	JD64580-39	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-W-R-230424-00-0.5	JD64580-40	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-W-R-230424-01-1.5	JD64580-41	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-W-R-230424-02-2.5	JD64580-42	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-W-R-230424-1.5-02	JD64580-43	JD64580	Sediment	TS, PCBs, TOC
SE-114-39-W-R-230424-2.5-03	JD64580-44	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-C-R-230424-0.5-01	JD64580-45	JD64580	Sediment	TS, PCBs, TOC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-134-45-C-R-230424-00-0.5	JD64580-46	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-C-R-230424-01-1.5	JD64580-47	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-C-R-230424-02-2.5	JD64580-48	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-C-R-230424-1.5-02	JD64580-49	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-C-R-230424-2.5-03	JD64580-50	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-COMP-230424-00-03	JD64580-51	JD64580	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
SE-134-45-E-R-230424-0.5-01	JD64580-52	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-E-R-230424-00-0.5	JD64580-53	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-E-R-230424-01-1.5	JD64580-54	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-E-R-230424-02-2.5	JD64580-55	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-E-R-230424-1.5-02	JD64580-56	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-E-R-230424-2.5-03	JD64580-57	JD64580	Sediment	TS, PCBs, TOC
RB-2304241400	JD64580-58	JD64580	Water	PCBs, TOC
SE-134-45-W-R-230424-0.5-01	JD64580-59	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-W-R-230424-00-0.5	JD64580-60	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-W-R-230424-01-1.5	JD64580-61	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-W-R-230424-02-2.5	JD64580-62	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-W-R-230424-1.5-02	JD64580-63	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-W-R-230424-2.5-2.83	JD64580-64	JD64580	Sediment	TS, PCBs, TOC
SE-134-45-W-R-BD0001	JD64580-65	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-C-R-230424-0.5-01	JD64580-66	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-C-R-230424-00-0.5	JD64580-67	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-C-R-230424-01-1.5	JD64580-68	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-C-R-230424-02-2.5	JD64580-69	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-C-R-230424-1.5-02	JD64580-70	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-C-R-230424-2.5-03	JD64580-71	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-COMP-230424-00-03	JD64580-72	JD64580	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
SE-149-52-COMP-BD0001	JD64580-73	JD64580	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
SE-149-52-E-R-230424-0.5-01	JD64580-74	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-E-R-230424-00-0.5	JD64580-75	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-E-R-230424-01-1.5	JD64580-76	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-E-R-230424-02-2.5	JD64580-77	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-E-R-230424-1.5-02	JD64580-78	JD64580	Sediment	TS, PCBs, TOC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-149-52-E-R-230424-2.5-03	JD64580-79	JD64580	Sediment	TS, PCBs, TOC
RB-2304241532	JD64580-80	JD64580	Water	PCBs, TOC
SE-149-52-W-R-230424-0.5-01	JD64580-81	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-W-R-230424-00-0.5	JD64580-82	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-W-R-230424-01-1.5	JD64580-83	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-W-R-230424-02-2.5	JD64580-84	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-W-R-230424-1.5-02	JD64580-85	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-W-R-230424-2.5-03	JD64580-86	JD64580	Sediment	TS, PCBs, TOC
SE-149-52-W-R-BD0001	JD64580-87	JD64580	Sediment	TS, PCBs, TOC
RB-2304241655	JD64580-88	JD64580	Water	PCBs, TOC
SE-182-31-C-R-230424-0.5-01	JD64580-89	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-C-R-230424-00-0.5	JD64580-90	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-C-R-230424-01-1.5	JD64580-91	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-C-R-230424-02-2.5	JD64580-92	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-C-R-230424-1.5-02	JD64580-93	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-C-R-230424-2.5-03	JD64580-94	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-C-R-BD0001	JD64580-95	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-COMP-230424-00-03	JD64580-96	JD64580	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
SE-182-31-E-R-230424-0.5-01	JD64580-97	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-E-R-230424-00-0.5	JD64580-98	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-E-R-230424-01-1.5	JD64580-99	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-E-R-230424-02-2.5	JD64580-100	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-E-R-230424-1.5-02	JD64580-101	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-E-R-230424-2.5-03	JD64580-102	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-W-R-230424-0.5-01	JD64580-103	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-W-R-230424-00-0.5	JD64580-104	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-W-R-230424-01-1.5	JD64580-105	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-W-R-230424-02-2.5	JD64580-106	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-W-R-230424-1.5-02	JD64580-107	JD64580	Sediment	TS, PCBs, TOC
SE-182-31-W-R-230424-2.5-03	JD64580-108	JD64580	Sediment	TS, PCBs, TOC
RB-2304210955	JD64583-1	JD64583	Water	PCBs, TOC
SE-068-20-C-R-230421-0.5-01	JD64583-2	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-C-R-230421-00-0.5	JD64583-3	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-C-R-230421-01-1.5	JD64583-4	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-C-R-230421-1.5-02	JD64583-5	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-C-R-BD0001	JD64583-6	JD64583	Sediment	TS, PCBs, TOC

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-068-20-COMP-230421-00-02	JD64583-7	JD64583	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
SE-068-20-E-R-230421-0.5-01	JD64583-8	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-E-R-230421-00-0.5	JD64583-9	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-E-R-230421-01-1.5	JD64583-10	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-E-R-230421-1.5-02	JD64583-11	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-W-R-230421-0.5-01	JD64583-12	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-W-R-230421-00-0.5	JD64583-13	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-W-R-230421-01-1.5	JD64583-14	JD64583	Sediment	TS, PCBs, TOC
SE-068-20-W-R-230421-1.5-1.8	JD64583-15	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-C-R-230421-0.5-01	JD64583-16	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-C-R-230421-00-0.5	JD64583-17	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-C-R-230421-01-1.5	JD64583-18	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-C-R-230421-02-2.5	JD64583-19	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-C-R-230421-1.5-02	JD64583-20	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-C-R-230421-2.5-03	JD64583-21	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-COMP-230421-00-03	JD64583-22	JD64583	Leachate	Pesticides, SVOCs, Herbicides, metals, VOCs
SE-078-22-E-R-230421-0.5-01	JD64583-23	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-E-R-230421-00-0.5	JD64583-24	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-E-R-230421-01-1.5	JD64583-25	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-E-R-230421-02-2.5	JD64583-26	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-E-R-230421-1.5-02	JD64583-27	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-E-R-230421-2.5-03	JD64583-28	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-W-R-230421-0.5-01	JD64583-29	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-W-R-230421-00-0.5	JD64583-30	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-W-R-230421-01-1.5	JD64583-31	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-W-R-230421-02-2.5	JD64583-32	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-W-R-230421-1.5-02	JD64583-33	JD64583	Sediment	TS, PCBs, TOC
SE-078-22-W-R-230421-2.5-03	JD64583-34	JD64583	Sediment	TS, PCBs, TOC

Data Validation Report – EPA Stage 2A

June 21, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0104

This report summarizes the review of analytical results for 116 soil samples, 7 field duplicate samples, and 7 equipment rinsate blanks collected in May 2023. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field Quality Control (QC) included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Seven equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs. All PCB results were below detection.

Field Duplicates

Seven field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD according to the QAPP. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD or difference values were within control limits.

Table 1
Field Duplicate Summary

Analyte	RB-E-107-40- 230510-00-01	RB-E-107-40- BD0001	RPD	Difference	Difference CL
Aroclor 1260	23 µg/kg	9.1 µg/kg	--	13.9 µg/kg	46.0 µg/kg
Total solids	77.7%	77.6%	0%	--	--

Analyte	RB-W-167-84- 230512-00-01	RB-W-167-84- BD0001	RPD	Difference	Difference CL
Aroclor 1260	3250 µg/kg	4480 µg/kg	32%	--	--

Analyte	RB-W-167-84-230512-00-01	RB-W-167-84-BD0001	RPD	Difference	Difference CL
Total solids	67.6%	68.4%	1%	--	--

Analyte	RB-W-202-40-230512-00-01	RB-W-202-40-BD0001	RPD	Difference	Difference CL
Aroclor 1260	17700 µg/kg	17500 µg/kg	1%	--	--
Total solids	90.0%	90.7%	1%	--	--

Analyte	RB-W-217-02-230512-00-01	RB-W-217-02-BD0001	RPD	Difference	Difference CL
Aroclor 1260	3190 µg/kg	6920 µg/kg	74%	--	--
Total solids	72.0%	66.5%	8%	--	--

Analyte	RB-E-085-60-230515-00-01	RB-E-085-60-BD0001	RPD	Difference	Difference CL
Aroclor 1260	4870 µg/kg	2890 µg/kg	51%	--	--
Total solids	90.0%	89.3%	1%	--	--

Analyte	RB-W-119-20-230511-00-01	RB-W-119-20-BD0001	RPD	Difference	Difference CL
Aroclor 1260	4690 µg/kg	9830 µg/kg	71%	--	--
Total solids	62.6%	61.4%	2%	--	--

Analyte	RB-W-164-69-230511-00-01	RB-W-164-69-BD0001	RPD	Difference	Difference CL
Aroclor 1260	9820 µg/kg	8170 µg/kg	18%	--	--
Total solids	69.1%	82.4%	18%	--	--

Notes:

CL: Control Limit

µg/kg: microgram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results

were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were within control limits, with the following exceptions.

- SDG JD65587
 - Decachlorobiphenyl (DCB) recovered below 10% in the analysis of sample RB-2305091303. The results have been rejected due to low surrogate recovery.
- SDG JD65787
 - DCB and Tetrachloro-m-xylene (TMX) recovered below 10% in the analysis of sample RB-2305151147. The results have been rejected due to low surrogate recovery.
- SDG JD65792
 - TMX recovered below 10% in the analysis of sample RB-W-120-46-230511-00-01. Results that were non-detect have been rejected due to low surrogate recovery.
 - DCB recovered above the control limit in the analysis of sample RB-W-138-54-230511-00-01. The Aroclor 1260 result has been qualified "J" to indicate a high bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD).

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. Most data are acceptable as reported or qualified. Twenty results in three samples were rejected due to low/no recovery. Completeness was greater than 98%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- R Indicates result is rejected and unusable.

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2305091303	PCBs	Aroclor 1016	0.40 µg/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			
RB-2305151147	PCBs	Aroclor 1016	0.40 µg/L	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
		Aroclor 1260			

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-085-60-230515-00-01	PCBs	Aroclor 1260	4870 µg/kg	4870J µg/kg	FD RPD above CL
RB-E-085-60-BD0001	PCBs	Aroclor 1260	2890 µg/kg	2890J µg/kg	FD RPD above CL
RB-W-119-20-230511-00-01	PCBs	Aroclor 1260	4690 µg/kg	4690J µg/kg	FD RPD above CL
RB-W-119-20-BD0001	PCBs	Aroclor 1260	9830 µg/kg	9830J µg/kg	FD RPD above CL
RB-W-120-46-230511-00-01	PCBs	Aroclor 1016	28 µg/kg	R	Surrogate %R below 10%
		Aroclor 1221			
		Aroclor 1232			
		Aroclor 1242			
		Aroclor 1248			
		Aroclor 1254			
RB-W-138-54-230511-00-01	PCBs	Aroclor 1260	4570 µg/kg	4570J µg/kg	Surrogate %R above CL
RB-W-217-02-230512-00-01	PCBs	Aroclor 1260	3190 µg/kg	3190J µg/kg	FD RPD above CL
RB-W-217-02-BD0001	PCBs	Aroclor 1260	6920 µg/kg	6920J µg/kg	FD RPD above CL

References

- Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.
- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-105-81-230510-00-01	JD65585-1	JD65585	Soil	TS, PCBs
RB-E-105-97-230510-00-01	JD65585-2	JD65585	Soil	TS, PCBs
RB-E-106-100-230510-00-01	JD65585-3	JD65585	Soil	TS, PCBs
RB-2305101338	JD65585-4	JD65585	Water	PCBs
RB-E-106-13-230510-00-01	JD65585-5	JD65585	Soil	TS, PCBs
RB-E-106-36-230510-00-01	JD65585-6	JD65585	Soil	TS, PCBs
RB-E-106-78-230510-00-01	JD65585-7	JD65585	Soil	TS, PCBs
RB-E-107-40-230510-00-01	JD65585-8	JD65585	Soil	TS, PCBs
RB-E-107-40-BD0001	JD65585-9	JD65585	Soil	TS, PCBs
RB-E-107-85-230510-00-01	JD65585-10	JD65585	Soil	MC, GS, TS, PCBs
RB-E-108-25-230510-00-01	JD65585-11	JD65585	Soil	TS, PCBs
RB-E-108-63-230510-00-01	JD65585-12	JD65585	Soil	TS, PCBs
RB-E-108-74-230510-00-01	JD65585-13	JD65585	Soil	TS, PCBs
RB-E-108-94-230510-00-01	JD65585-14	JD65585	Soil	TS, PCBs
RB-E-204-26-230509-00-01	JD65587-1	JD65587	Soil	TS, PCBs
RB-2305091303	JD65587-2	JD65587	Water	PCBs
RB-E-204-44-230509-00-01	JD65587-3	JD65587	Soil	TS, PCBs
RB-E-204-63-230509-00-01	JD65587-4	JD65587	Soil	TS, PCBs
RB-E-205-07-230509-00-01	JD65587-5	JD65587	Soil	TS, PCBs
RB-E-208-94-230509-00-01	JD65587-6	JD65587	Soil	TS, PCBs
RB-E-209-42-230509-00-01	JD65587-7	JD65587	Soil	TS, PCBs
RB-E-218-29-230509-00-01	JD65587-8	JD65587	Soil	TS, PCBs
RB-E-218-96-230509-00-01	JD65587-9	JD65587	Soil	TS, PCBs
RB-E-220-55-230509-00-01	JD65587-10	JD65587	Soil	MC, GS, TS, PCBs
RB-E-237-28-230509-00-01	JD65587-11	JD65587	Soil	TS, PCBs
RB-E-174-84-230512-00-01	JD65780-1	JD65780	Soil	TS, PCBs
RB-E-181-07-230512-00-01	JD65780-2	JD65780	Soil	TS, PCBs
RB-E-203-78-230512-00-01	JD65780-3	JD65780	Soil	TS, PCBs
RB-E-204-01-230512-00-01	JD65780-4	JD65780	Soil	MC, GS, TS, PCBs
RB-E-205-48-230512-00-01	JD65780-5	JD65780	Soil	TS, PCBs
RB-E-209-19-230512-00-01	JD65780-6	JD65780	Soil	TS, PCBs
RB-E-209-69-230512-00-01	JD65780-7	JD65780	Soil	TS, PCBs
RB-E-209-94-230512-00-01	JD65780-8	JD65780	Soil	TS, PCBs
RB-E-210-19-230512-00-01	JD65780-9	JD65780	Soil	TS, PCBs
RB-E-215-22-230512-00-01	JD65780-10	JD65780	Soil	MC, GS, TS, PCBs
RB-W-167-84-230512-00-01	JD65780-11	JD65780	Soil	TS, PCBs
RB-W-167-84-BD0001	JD65780-12	JD65780	Soil	TS, PCBs
RB-W-168-20-230512-00-01	JD65780-13	JD65780	Soil	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-168-75-230512-00-01	JD65780-14	JD65780	Soil	TS, PCBs
RB-W-168-98-230512-00-01	JD65780-15	JD65780	Soil	TS, PCBs
RB-W-178-05-230512-00-01	JD65780-16	JD65780	Soil	MC, GS, TS, PCBs
RB-W-178-59-230512-00-01	JD65780-17	JD65780	Soil	TS, PCBs
RB-W-179-07-230512-00-01	JD65780-18	JD65780	Soil	TS, PCBs
RB-W-179-57-230512-00-01	JD65780-19	JD65780	Soil	TS, PCBs
RB-W-179-82-230512-00-01	JD65780-20	JD65780	Soil	TS, PCBs
RB-W-180-38-230512-00-01	JD65780-21	JD65780	Soil	TS, PCBs
RB-W-180-85-230512-00-01	JD65780-22	JD65780	Soil	TS, PCBs
RB-W-181-11-230512-00-01	JD65780-23	JD65780	Soil	TS, PCBs
RB-W-181-54-230512-00-01	JD65780-24	JD65780	Soil	TS, PCBs
RB-W-181-81-230512-00-01	JD65780-25	JD65780	Soil	TS, PCBs
RB-W-182-10-230512-00-01	JD65780-26	JD65780	Soil	TS, PCBs
RB-2305121430	JD65780-27	JD65780	Water	PCBs
RB-W-182-56-230512-00-01	JD65780-28	JD65780	Soil	TS, PCBs
RB-W-182-88-230512-00-01	JD65780-29	JD65780	Soil	TS, PCBs
RB-W-183-48-230512-00-01	JD65780-30	JD65780	Soil	MC, GS, TS, PCBs
RB-2305121340	JD65780-31	JD65780	Water	PCBs
RB-W-200-51-230512-00-01	JD65780-32	JD65780	Soil	TS, PCBs
RB-W-200-94-230512-00-01	JD65780-33	JD65780	Soil	TS, PCBs
RB-W-201-41-230512-00-01	JD65780-34	JD65780	Soil	TS, PCBs
RB-W-201-89-230512-00-01	JD65780-35	JD65780	Soil	TS, PCBs
RB-W-202-40-230512-00-01	JD65780-36	JD65780	Soil	TS, PCBs
RB-W-202-40-BD0001	JD65780-37	JD65780	Soil	TS, PCBs
RB-W-202-98-230512-00-01	JD65780-38	JD65780	Soil	MC, GS, TS, PCBs
RB-W-205-77-230512-00-01	JD65780-39	JD65780	Soil	TS, PCBs
RB-W-213-33-230512-00-01	JD65780-40	JD65780	Soil	TS, PCBs
RB-W-217-02-230512-00-01	JD65780-41	JD65780	Soil	TS, PCBs
RB-W-217-02-BD0001	JD65780-42	JD65780	Soil	TS, PCBs
RB-W-222-100-230512-00-01	JD65780-43	JD65780	Soil	TS, PCBs
RB-W-223-19-230512-00-01	JD65780-44	JD65780	Soil	TS, PCBs
RB-W-223-34-230512-00-01	JD65780-45	JD65780	Soil	TS, PCBs
RB-W-223-76-230512-00-01	JD65780-46	JD65780	Soil	TS, PCBs
RB-W-224-26-230512-00-01	JD65780-47	JD65780	Soil	TS, PCBs
RB-E-080-90-230515-00-01	JD65787-1	JD65787	Soil	TS, PCBs
RB-E-081-59-230515-00-01	JD65787-2	JD65787	Soil	TS, PCBs
RB-2305151147	JD65787-3	JD65787	Water	PCBs
RB-E-082-25-230515-00-01	JD65787-4	JD65787	Soil	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-082-90-230515-00-01	JD65787-5	JD65787	Soil	TS, PCBs
RB-E-083-45-230515-00-01	JD65787-6	JD65787	Soil	TS, PCBs
RB-E-083-87-230515-00-01	JD65787-7	JD65787	Soil	TS, PCBs
RB-E-084-34-230515-00-01	JD65787-8	JD65787	Soil	TS, PCBs
RB-E-084-70-230515-00-01	JD65787-9	JD65787	Soil	TS, PCBs
RB-E-085-23-230515-00-01	JD65787-10	JD65787	Soil	TS, PCBs
RB-E-085-43-230515-00-01	JD65787-11	JD65787	Soil	MC, GS, TS, PCBs
RB-E-085-60-230515-00-01	JD65787-12	JD65787	Soil	TS, PCBs
RB-E-085-60-BD0001	JD65787-13	JD65787	Soil	TS, PCBs
RB-E-086-05-230515-00-01	JD65787-14	JD65787	Soil	TS, PCBs
RB-E-086-60-230515-00-01	JD65787-15	JD65787	Soil	TS, PCBs
RB-E-086-84-230515-00-01	JD65787-16	JD65787	Soil	TS, PCBs
RB-E-087-48-230515-00-01	JD65787-17	JD65787	Soil	TS, PCBs
RB-E-087-72-230515-00-01	JD65787-18	JD65787	Soil	TS, PCBs
RB-E-088-19-230515-00-01	JD65787-19	JD65787	Soil	TS, PCBs
RB-E-088-42-230515-00-01	JD65787-20	JD65787	Soil	TS, PCBs
RB-E-088-66-230515-00-01	JD65787-21	JD65787	Soil	TS, PCBs
RB-E-088-90-230515-00-01	JD65787-22	JD65787	Soil	MC, GS, TS, PCBs
RB-E-134-43-230511-00-01	JD65792-1	JD65792	Soil	TS, PCBs
RB-E-144-21-230511-00-01	JD65792-2	JD65792	Soil	TS, PCBs
RB-E-151-35-230511-00-01	JD65792-3	JD65792	Soil	TS, PCBs
RB-E-161-41-230511-00-01	JD65792-4	JD65792	Soil	TS, PCBs
RB-E-163-33-230511-00-01	JD65792-5	JD65792	Soil	TS, PCBs
RB-E-163-95-230511-00-01	JD65792-6	JD65792	Soil	TS, PCBs
RB-E-164-39-230511-00-01	JD65792-7	JD65792	Soil	TS, PCBs
RB-E-164-84-230511-00-01	JD65792-8	JD65792	Soil	TS, PCBs
RB-E-165-32-230511-00-01	JD65792-9	JD65792	Soil	TS, PCBs
RB-E-165-83-230511-00-01	JD65792-10	JD65792	Soil	TS, PCBs
RB-W-117-48-230511-00-01	JD65792-11	JD65792	Soil	TS, PCBs
RB-2305111540	JD65792-12	JD65792	Water	PCBs
RB-W-118-94-230511-00-01	JD65792-13	JD65792	Soil	TS, PCBs
RB-W-119-20-230511-00-01	JD65792-14	JD65792	Soil	TS, PCBs
RB-W-119-20-BD0001	JD65792-15	JD65792	Soil	TS, PCBs
RB-W-120-01-230511-00-01	JD65792-16	JD65792	Soil	TS, PCBs
RB-W-120-24-230511-00-01	JD65792-17	JD65792	Soil	MC, GS, TS, PCBs
RB-W-120-46-230511-00-01	JD65792-18	JD65792	Soil	TS, PCBs
RB-W-120-68-230511-00-01	JD65792-19	JD65792	Soil	TS, PCBs
RB-2305111545	JD65792-20	JD65792	Water	PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-129-53-230511-00-01	JD65792-21	JD65792	Soil	TS, PCBs
RB-W-130-01-230511-00-01	JD65792-22	JD65792	Soil	TS, PCBs
RB-W-138-54-230511-00-01	JD65792-23	JD65792	Soil	TS, PCBs
RB-W-144-46-230511-00-01	JD65792-24	JD65792	Soil	TS, PCBs
RB-W-149-59-230511-00-01	JD65792-25	JD65792	Soil	TS, PCBs
RB-W-149-98-230511-00-01	JD65792-26	JD65792	Soil	TS, PCBs
RB-W-150-41-230511-00-01	JD65792-27	JD65792	Soil	TS, PCBs
RB-W-159-72-230511-00-01	JD65792-28	JD65792	Soil	TS, PCBs
RB-W-160-10-230511-00-01	JD65792-29	JD65792	Soil	TS, PCBs
RB-W-160-60-230511-00-01	JD65792-30	JD65792	Soil	TS, PCBs
RB-W-161-96-230511-00-01	JD65792-31	JD65792	Soil	TS, PCBs
RB-W-162-22-230511-00-01	JD65792-32	JD65792	Soil	TS, PCBs
RB-W-162-44-230511-00-01	JD65792-33	JD65792	Soil	TS, PCBs
RB-W-163-83-230511-00-01	JD65792-34	JD65792	Soil	TS, PCBs
RB-W-164-69-230511-00-01	JD65792-35	JD65792	Soil	TS, PCBs
RB-W-164-69-BD0001	JD65792-36	JD65792	Soil	TS, PCBs

Data Validation Report – EPA Stage 2A

May 23, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0105

This report summarizes the review of analytical results for 60 soil samples, 108 sediment samples, 8 field duplicate samples, and 8 equipment rinsate blanks collected in May 2023. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Specific gravity (SG) by ASTM D1429
- Density by SM2937

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field Quality Control (QC) included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Eight equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and five were analyzed for TOC. All PCBs and TOC results were below detection.

Field Duplicates

Eight field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD according to the QAPP. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD or difference values were within control limits with some exceptions. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-220-47-E- 230516-00-0.5	SE-220-47-E- BD0001	RPD	Difference	Difference CL
Aroclor 1260	1290 µg/kg	698 µg/kg	60%	--	--
TOC	1850 mg/kg	1760 mg/kg	5%	--	--
Total solids	73.1 %	73.9 %	1%	--	--

Analyte	SE-225-70-W-230516-0.5-01	SE-225-70-W-BD0001	RPD	Difference	Difference CL
Aroclor 1260	307 µg/kg	1700 µg/kg	139%	--	--
TOC	5170 mg/kg	2890 mg/kg	57%	--	--
Total solids	83.3 %	82.2 %	1%	--	--

Analyte	RB-E-189-33-230516-00-01	RB-E-189-33-BD0001	RPD	Difference	Difference CL
Aroclor 1260	193 µg/kg	29.2 µg/kg	147%	--	--
Total solids	63.4 %	56.0 %	12%	--	--

Analyte	RB-W-187-25-230516-00-01	RB-W-187-25-BD0001	RPD	Difference	Difference CL
Aroclor 1260	148 µg/kg	1700 µg/kg	168%	--	--
Total solids	88.9 %	90.1 %	1%	--	--

Analyte	SE-230-73-W-230517-00-0.5	SE-230-73-W-BD0001	RPD	Difference	Difference CL
Aroclor 1260	8970 µg/kg	17700 µg/kg	65%	--	--
TOC	2470 mg/kg	1220 mg/kg	68%	--	--
Total solids	77.6 %	75.0 %	3%	--	--

Analyte	SE-212-90-W-230515-0.5-01	SE-212-90-W-BD0001	RPD	Difference	Difference CL
Aroclor 1260	19.1 µg/kg	24.7 µg/kg	--	5.6 µg/kg	52.0 µg/kg
TOC	5310 mg/kg	23800 mg/kg	127%	--	--
Total solids	75.3 %	66.9 %	12%	--	--

Analyte	SE-217-93-C-230515-00-0.5	SE-217-93-C-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1400 µg/kg	1740 µg/kg	22%	--	--
TOC	5940 mg/kg	2270 mg/kg	89%	--	--
Total solids	75.4 %	77.6 %	3%	--	--

Analyte	RB-E-231-92-230517-00-01	RB-E-231-92-BD0001	RPD	Difference	Difference CL
Aroclor 1260	3390 µg/kg	7260 µg/kg	73%	--	--
Total solids	92.4 %	90.7 %	2%	--	--

Notes:

CL: Control Limit

µg/kg: microgram per kilogram

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits in these instances. In several instances, surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; therefore, no data were qualified. In instances where the surrogates recovered above the control limit and sample results were not detected, no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. Surrogate recoveries were within control limits, except for tetrachloro-m-xylene (TMX), which recovered above the control limit in the analysis of sample SE-217-93-C-BD0001. The detected sample results have been qualified "J" to indicate a high bias.

—

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD).

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency and resulted in recoveries and/or RPD values within project-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected.

Recoveries and/or RPD values were within project-required control limits with the following exceptions:

- TOC Batch GP46877
 - TOC recovered above the control limit in the MS/MSD analyzed on sample SE-212-90-W-230515-01-1.5. Associated batch sample results have been qualified "J" to indicate a high bias.
- TOC Batches GP46879, GP46981, GP46982, GP46983, GP46967
 - TOC recovered below the control limit in the MS and/or MSD analyzed on samples SE-217-93-E-230515-1.5-1.99, SE-220-47-E-230516-0.5-01, SE-220-47-W-230516-0.5-01, SE-223-00-W-230516-0.5-01, and SE-233-25-C-230517-0.5-01. Associated batch sample results have been qualified "J" to indicate a low bias.
- TOC Batch GP46968
 - The RPD between the MS and MSD was above the control limit for TOC analyzed on sample SE-233-25-W-230517-00-0.5. Associated batch sample results have been qualified "J" to indicate they are estimated.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits. Matrix spike duplicates were used in place of laboratory duplicates for TOC. The RPD of the percent passing (hydrometer 3) analyzed on sample RB-W-235-50-230517-00-01 recovered above the control limit. The result has been qualified "J" as estimated.

Sample Analyses

SGS indicated that there was a possible analytical issue during the analysis for percent passing (hydrometer 1) analyzed on sample SE-225-70-C-G-230516-00-1.5. The result has been qualified "J" as estimated.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or

difference values, with the exceptions noted above. All data are acceptable as reported or qualified. Completeness was 100%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

J Indicates an estimated value.

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-189-33-230516-00-01	PCBs	Aroclor 1260	193 µg/kg	193J µg/kg	FD RPD above CL
RB-E-189-33-BD0001	PCBs	Aroclor 1260	29.2 µg/kg	29.2J µg/kg	FD RPD above CL
RB-E-231-92-230517-00-01	PCBs	Aroclor 1260	3390 µg/kg	3390J µg/kg	FD RPD above CL
RB-E-231-92-BD0001	PCBs	Aroclor 1260	7260 µg/kg	7260J µg/kg	FD RPD above CL
RB-W-187-25-230516-00-01	PCBs	Aroclor 1260	148 µg/kg	148J µg/kg	FD RPD above CL
RB-W-187-25-BD0001	PCBs	Aroclor 1260	1700 µg/kg	1700J µg/kg	FD RPD above CL
RB-W-235-50-230517-00-01	Grain Size	Percent passing (hydrometer 3)	1.0 %	1.0J %	LR RPD above CL
SE-212-90-W-230515-0.5-01	Conventionals	TOC	5310 mg/kg	5310J mg/kg	FD RPD above CL
SE-212-90-W-230515-01-1.5	Conventionals	TOC	885 mg/kg	885J mg/kg	MS/MSD %R above CL
SE-212-90-W-230515-1.5-1.88	Conventionals	TOC	1170 mg/kg	1170J mg/kg	MS/MSD %R above CL
SE-212-90-W-BD0001	Conventionals	TOC	23800 mg/kg	23800J mg/kg	FD RPD above CL; MS/MSD %R above CL
SE-215-39-C-230515-0.5-01	Conventionals	TOC	3120 mg/kg	3120J mg/kg	MS/MSD %R above CL
SE-215-39-C-230515-00-0.5	Conventionals	TOC	1290 mg/kg	1290J mg/kg	MS/MSD %R above CL
SE-215-39-C-230515-01-1.5	Conventionals	TOC	1180 mg/kg	1180J mg/kg	MS/MSD %R above CL
SE-215-39-E-230515-0.5-01	Conventionals	TOC	5230 mg/kg	5230J mg/kg	MS/MSD %R above CL
SE-215-39-E-230515-00-0.5	Conventionals	TOC	2550 mg/kg	2550J mg/kg	MS/MSD %R above CL
SE-215-39-E-230515-01-1.5	Conventionals	TOC	619 mg/kg	619J mg/kg	MS/MSD %R above CL
SE-215-39-E-230515-02-2.27	Conventionals	TOC	690 mg/kg	690J mg/kg	MS/MSD %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-217-93-C-230515-00-0.5	Conventionals	TOC	5940 mg/kg	5940J mg/kg	FD RPD above CL
SE-217-93-C-230515-01-1.5	Conventionals	TOC	5200 mg/kg	5200J mg/kg	MS/MSD %R below CL
SE-217-93-C-230515-1.5-1.74	Conventionals	TOC	22800 mg/kg	22800J mg/kg	MS/MSD %R below CL
SE-217-93-C-BD0001	Conventionals	TOC	2270 mg/kg	2270J mg/kg	FD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1260	1740 µg/kg	1740J µg/kg	Surrogate %R above CL
SE-217-93-E-230515-0.5-01	Conventionals	TOC	1170 mg/kg	1170J mg/kg	MS/MSD %R below CL
SE-217-93-E-230515-00-0.5	Conventionals	TOC	13000 mg/kg	13000J mg/kg	MS/MSD %R below CL
SE-217-93-E-230515-01-1.5	Conventionals	TOC	2320 mg/kg	2320J mg/kg	MS/MSD %R below CL
SE-217-93-E-230515-1.5-1.99	Conventionals	TOC	1320 mg/kg	1320J mg/kg	MS/MSD %R below CL
SE-217-93-W-230516-0.5-01	Conventionals	TOC	545 mg/kg	545J mg/kg	MS/MSD %R below CL
SE-217-93-W-230516-00-0.5	Conventionals	TOC	539 mg/kg	539J mg/kg	MS/MSD %R below CL
SE-217-93-W-230516-01-1.5	Conventionals	TOC	631 mg/kg	631J mg/kg	MS/MSD %R below CL
SE-217-93-W-230516-1.5-1.96	Conventionals	TOC	597 mg/kg	597J mg/kg	MS/MSD %R below CL
SE-220-47-C-230516-0.5-01	Conventionals	TOC	19400 mg/kg	19400J mg/kg	MS/MSD %R below CL
SE-220-47-C-230516-00-0.5	Conventionals	TOC	5230 mg/kg	5230J mg/kg	MS/MSD %R below CL
SE-220-47-C-230516-01-1.5	Conventionals	TOC	3280 mg/kg	3280J mg/kg	MS/MSD %R below CL
SE-220-47-C-230516-1.5-1.77	Conventionals	TOC	970 mg/kg	970J mg/kg	MS/MSD %R below CL
SE-220-47-E-230516-0.5-01	Conventionals	TOC	1670 mg/kg	1670J mg/kg	MS/MSD %R below CL
SE-220-47-E-230516-00-0.5	Conventionals	TOC	1850 mg/kg	1850J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	1290 µg/kg	1290J µg/kg	FD RPD above CL
SE-220-47-E-230516-01-1.5	Conventionals	TOC	65200 mg/kg	65200J mg/kg	MS/MSD %R below CL
SE-220-47-E-230516-1.5-1.68	Conventionals	TOC	137000 mg/kg	137000J mg/kg	MS/MSD %R below CL
SE-220-47-E-BD0001	Conventionals	TOC	1760 mg/kg	1760J mg/kg	MS/MSD %R below CL
	PCBs	Aroclor 1260	698 µg/kg	698J µg/kg	FD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-220-47-W-230516-0.5-01	Conventionals	TOC	28100 mg/kg	28100J mg/kg	MS/MSD %R below CL
SE-220-47-W-230516-00-0.5	Conventionals	TOC	14600 mg/kg	14600J mg/kg	MS/MSD %R below CL
SE-220-47-W-230516-01-1.5	Conventionals	TOC	37100 mg/kg	37100J mg/kg	MS/MSD %R below CL
SE-223-00-C-230516-0.5-01	Conventionals	TOC	3590 mg/kg	3590J mg/kg	MS/MSD %R below CL
SE-223-00-C-230516-00-0.5	Conventionals	TOC	19200 mg/kg	19200J mg/kg	MS/MSD %R below CL
SE-223-00-C-230516-01-1.43	Conventionals	TOC	85200 mg/kg	85200J mg/kg	MS/MSD %R below CL
SE-223-00-E-230516-0.5-01	Conventionals	TOC	1860 mg/kg	1860J mg/kg	MS/MSD %R below CL
SE-223-00-E-230516-00-0.5	Conventionals	TOC	1990 mg/kg	1990J mg/kg	MSD %R below CL
SE-223-00-E-230516-01-1.5	Conventionals	TOC	1310 mg/kg	1310J mg/kg	MSD %R below CL
SE-223-00-E-230516-1.5-02	Conventionals	TOC	1520 mg/kg	1520J mg/kg	MSD %R below CL
SE-223-00-W-230516-0.5-01	Conventionals	TOC	784 mg/kg	784J mg/kg	MSD %R below CL
SE-223-00-W-230516-00-0.5	Conventionals	TOC	2070 mg/kg	2070J mg/kg	MSD %R below CL
SE-223-00-W-230516-01-1.47	Conventionals	TOC	1510 mg/kg	1510J mg/kg	MSD %R below CL
SE-225-70-C-230516-0.5-01	Conventionals	TOC	20900 mg/kg	20900J mg/kg	MSD %R below CL
SE-225-70-C-230516-00-0.5	Conventionals	TOC	6900 mg/kg	6900J mg/kg	MSD %R below CL
SE-225-70-C-230516-01-1.5	Conventionals	TOC	1290 mg/kg	1290J mg/kg	MSD %R below CL
SE-225-70-C-G-230516-00-1.5	Conventionals	Percent passing (hydrometer 1)	1.3%	1.3J%	Analytical Issue
SE-225-70-E-230516-0.5-01	Conventionals	TOC	2650 mg/kg	2650J mg/kg	MSD %R below CL
SE-225-70-W-230516-0.5-01	Conventionals	TOC	5170 mg/kg	5170J mg/kg	FD RPD above CL
	PCBs	Aroclor 1260	307 µg/kg	307J µg/kg	FD RPD above CL
SE-225-70-W-BD0001	Conventionals	TOC	2890 mg/kg	2890J mg/kg	FD RPD above CL
	PCBs	Aroclor 1260	1700 µg/kg	1700J µg/kg	FD RPD above CL
SE-230-73-W-230517-00-0.5	Conventionals	TOC	2470 mg/kg	2470J mg/kg	FD RPD above CL
	PCBs	Aroclor 1260	8970 µg/kg	8970J µg/kg	FD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-230-73-W-230517-01-1.5	Conventionals	TOC	1200 mg/kg	1200J mg/kg	MS/MSD %R below CL
SE-230-73-W-230517-1.5-1.69	Conventionals	TOC	1100 mg/kg	1100J mg/kg	MS/MSD %R below CL
SE-230-73-W-BD0001	Conventionals	TOC	1220 mg/kg	1220J mg/kg	FD RPD above CL; MS/MSD %R below CL
	PCBs	Aroclor 1260	17700 µg/kg	17700J µg/kg	FD RPD above CL
SE-233-25-C-230517-0.5-01	Conventionals	TOC	14600 mg/kg	14600J mg/kg	MS/MSD %R below CL
SE-233-25-C-230517-00-0.5	Conventionals	TOC	1760 mg/kg	1760J mg/kg	MS/MSD %R below CL
SE-233-25-C-230517-01-1.5	Conventionals	TOC	635 mg/kg	635J mg/kg	MS/MSD %R below CL
SE-233-25-E-230517-0.5-01	Conventionals	TOC	5220 mg/kg	5220J mg/kg	MS/MSD %R below CL
SE-233-25-E-230517-00-0.5	Conventionals	TOC	2070 mg/kg	2070J mg/kg	MS/MSD RPD above CL
SE-233-25-E-230517-01-1.5	Conventionals	TOC	6360 mg/kg	6360J mg/kg	MS/MSD RPD above CL
SE-233-25-E-230517-1.5-1.65	Conventionals	TOC	4710 mg/kg	4710J mg/kg	MS/MSD RPD above CL
SE-233-25-W-230517-0.5-01	Conventionals	TOC	1320 mg/kg	1320J mg/kg	MS/MSD RPD above CL
SE-233-25-W-230517-00-0.5	Conventionals	TOC	1200 mg/kg	1200J mg/kg	MS/MSD RPD above CL
SE-233-25-W-230517-01-1.5	Conventionals	TOC	3970 mg/kg	3970J mg/kg	MS/MSD RPD above CL
SE-233-25-W-230517-1.5-1.88	Conventionals	TOC	17900 mg/kg	17900J mg/kg	MS/MSD RPD above CL

Notes:
%R: percent recovery
CL: control limit

References

Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.

EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.

EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-212-90-E-G-230515-0.7-1.97	JD65793-1	JD65793	Sediment	MC, GS
SE-212-90-C-230515-0.5-01	JD65793-2	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-C-230515-00-0.5	JD65793-3	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-C-230515-01-1.5	JD65793-4	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-C-230515-1.5-1.59	JD65793-5	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-E-230515-0.5-01	JD65793-6	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-E-230515-00-0.5	JD65793-7	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-E-230515-01-1.5	JD65793-8	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-E-230515-1.5-1.97	JD65793-9	JD65793	Sediment	PCBs, TOC, TS
RB-2305151525	JD65793-10	JD65793	Water	PCBs, TOC
SE-212-90-W-230515-0.5-01	JD65793-11	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-W-230515-00-0.5	JD65793-12	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-W-230515-01-1.5	JD65793-13	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-W-230515-1.5-1.88	JD65793-14	JD65793	Sediment	PCBs, TOC, TS
SE-212-90-W-BD0001	JD65793-15	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-C-230515-0.5-01	JD65793-16	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-C-230515-00-0.5	JD65793-17	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-C-230515-01-1.5	JD65793-18	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-C-G-230515-00-1.64	JD65793-19	JD65793	Sediment	MC, GS
SE-215-39-E-230515-0.5-01	JD65793-20	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-E-230515-00-0.5	JD65793-21	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-E-230515-01-1.5	JD65793-22	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-E-230515-02-2.27	JD65793-23	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-E-230515-1.5-02	JD65793-24	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-W-230515-0.5-01	JD65793-25	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-W-230515-00-0.5	JD65793-26	JD65793	Sediment	PCBs, TOC, TS
SE-215-39-W-230515-01-1.36	JD65793-27	JD65793	Sediment	PCBs, TOC, TS
RB-2305151623	JD65793-28	JD65793	Water	PCBs, TOC
SE-217-93-C-230515-0.5-01	JD65793-29	JD65793	Sediment	PCBs, TOC, TS
SE-217-93-C-230515-00-0.5	JD65793-30	JD65793	Sediment	PCBs, TOC, TS
SE-217-93-C-230515-01-1.5	JD65793-31	JD65793	Sediment	PCBs, TOC, TS
SE-217-93-C-230515-1.5-1.74	JD65793-32	JD65793	Sediment	PCBs, TOC, TS
SE-217-93-C-BD0001	JD65793-33	JD65793	Sediment	PCBs, TOC, TS
SE-217-93-C-G-230515-00-1.74	JD65793-34	JD65793	Sediment	MC, GS
SE-217-93-E-230515-0.5-01	JD65793-35	JD65793	Sediment	PCBs, TOC, TS
SE-217-93-E-230515-00-0.5	JD65793-36	JD65793	Sediment	PCBs, TOC, TS
SE-217-93-E-230515-01-1.5	JD65793-37	JD65793	Sediment	PCBs, TOC, TS
SE-217-93-E-230515-1.5-1.99	JD65793-38	JD65793	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2305161517	JD65929-1	JD65929	Water	PCBs
RB-E-182-71-230516-00-01	JD65929-2	JD65929	Soil	PCBs, TS
RB-E-183-16-230516-00-01	JD65929-3	JD65929	Soil	PCBs, TS
RB-E-183-39-230516-00-01	JD65929-4	JD65929	Soil	PCBs, TS
RB-E-183-56-230516-00-01	JD65929-5	JD65929	Soil	PCBs, TS
RB-E-188-48-230516-00-01	JD65929-6	JD65929	Soil	PCBs, TS
RB-E-188-92-230516-00-01	JD65929-7	JD65929	Soil	PCBs, MC, GS, TS
RB-E-189-33-230516-00-01	JD65929-8	JD65929	Soil	PCBs, TS
RB-E-189-33-BD0001	JD65929-9	JD65929	Soil	PCBs, TS
RB-E-190-64-230516-00-01	JD65929-10	JD65929	Soil	PCBs, TS
RB-E-192-76-230516-00-01	JD65929-11	JD65929	Soil	PCBs, TS
RB-W-187-25-230516-00-01	JD65929-12	JD65929	Soil	PCBs, TS
RB-W-187-25-BD0001	JD65929-13	JD65929	Soil	PCBs, TS
RB-W-187-40-230516-00-01	JD65929-14	JD65929	Soil	PCBs, TS
RB-W-187-57-230516-00-01	JD65929-15	JD65929	Soil	PCBs, TS
RB-W-188-08-230516-00-01	JD65929-16	JD65929	Soil	MC, TS, SG, Density, GS, PCBs
RB-W-188-81-230516-00-01	JD65929-17	JD65929	Soil	PCBs, TS
RB-W-190-16-230516-00-01	JD65929-18	JD65929	Soil	PCBs, TS
RB-W-190-68-230516-00-01	JD65929-19	JD65929	Soil	PCBs, TS
RB-2305161529	JD65929-20	JD65929	Water	PCBs
RB-W-193-47-230516-00-01	JD65929-21	JD65929	Soil	PCBs, TS
RB-W-193-96-230516-00-01	JD65929-22	JD65929	Soil	PCBs, TS
RB-W-194-18-230516-00-01	JD65929-23	JD65929	Soil	PCBs, TS
RB-W-194-40-230516-00-01	JD65929-24	JD65929	Soil	PCBs, TS
RB-W-194-87-230516-00-01	JD65929-25	JD65929	Soil	PCBs, TS
RB-W-195-33-230516-00-01	JD65929-26	JD65929	Soil	PCBs, MC, GS, TS
RB-W-195-61-230516-00-01	JD65929-27	JD65929	Soil	PCBs, TS
RB-W-195-85-230516-00-01	JD65929-28	JD65929	Soil	PCBs, TS
RB-W-196-06-230516-00-01	JD65929-29	JD65929	Soil	PCBs, TS
RB-W-196-30-230516-00-01	JD65929-30	JD65929	Soil	PCBs, TS
RB-W-196-55-230516-00-01	JD65929-31	JD65929	Soil	PCBs, TS
RB-W-196-82-230516-00-01	JD65929-32	JD65929	Soil	PCBs, TS
RB-W-224-07-230516-00-01	JD65929-33	JD65929	Soil	PCBs, TS
RB-W-224-66-230516-00-01	JD65929-34	JD65929	Soil	PCBs, TS
RB-W-225-18-230516-00-01	JD65929-35	JD65929	Soil	PCBs, TS
RB-W-225-76-230516-00-01	JD65929-36	JD65929	Soil	PCBs, TS
RB-E-229-43-230517-00-01	JD65930-1	JD65930	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-229-64-230517-00-01	JD65930-2	JD65930	Soil	PCBs, TS
RB-E-229-89-230517-00-01	JD65930-3	JD65930	Soil	PCBs, TS
RB-E-230-12-230517-00-01	JD65930-4	JD65930	Soil	PCBs, MC, GS, TS
RB-2305171340	JD65930-5	JD65930	Water	PCBs
RB-E-230-38-230517-00-01	JD65930-6	JD65930	Soil	PCBs, TS
RB-E-230-58-230517-00-01	JD65930-7	JD65930	Soil	PCBs, TS
RB-E-230-85-230517-00-01	JD65930-8	JD65930	Soil	PCBs, TS
RB-E-231-08-230517-00-01	JD65930-9	JD65930	Soil	PCBs, TS
RB-E-231-27-230517-00-01	JD65930-10	JD65930	Soil	PCBs, TS
RB-E-231-52-230517-00-01	JD65930-11	JD65930	Soil	PCBs, TS
RB-E-231-70-230517-00-01	JD65930-12	JD65930	Soil	PCBs, TS
RB-E-231-92-230517-00-01	JD65930-13	JD65930	Soil	PCBs, TS
RB-E-231-92-BD0001	JD65930-14	JD65930	Soil	PCBs, TS
RB-E-233-09-230517-00-01	JD65930-15	JD65930	Soil	PCBs, MC, GS, TS
RB-W-230-41-230517-00-01	JD65930-16	JD65930	Soil	PCBs, TS
RB-W-235-50-230517-00-01	JD65930-17	JD65930	Soil	PCBs, MC, GS, TS
RB-W-235-63-230517-00-01	JD65930-18	JD65930	Soil	PCBs, TS
RB-W-236-04-230517-00-01	JD65930-19	JD65930	Soil	PCBs, TS
RB-W-236-22-230517-00-01	JD65930-20	JD65930	Soil	PCBs, TS
RB-W-236-35-230517-00-01	JD65930-21	JD65930	Soil	PCBs, TS
RB-W-236-73-230517-00-01	JD65930-22	JD65930	Soil	PCBs, TS
RB-W-237-13-230517-00-01	JD65930-23	JD65930	Soil	PCBs, TS
RB-W-237-37-230517-00-01	JD65930-24	JD65930	Soil	PCBs, TS
RB-W-237-57-230517-00-01	JD65930-25	JD65930	Soil	PCBs, TS
RB-W-237-69-230517-00-01	JD65930-26	JD65930	Soil	PCBs, TS
RB-W-238-86-230517-00-01	JD65930-27	JD65930	Soil	PCBs, TS
RB-W-245-05-230517-00-01	JD65930-28	JD65930	Soil	PCBs, TS
RB-W-245-35-230517-00-01	JD65930-29	JD65930	Soil	PCBs, TS
RB-W-245-76-230517-00-01	JD65930-30	JD65930	Soil	PCBs, TS
SE-217-93-W-230516-0.5-01	JD65949-1	JD65949	Sediment	PCBs, TOC, TS
SE-217-93-W-230516-00-0.5	JD65949-2	JD65949	Sediment	PCBs, TOC, TS
SE-217-93-W-230516-01-1.5	JD65949-3	JD65949	Sediment	PCBs, TOC, TS
SE-217-93-W-230516-1.5-1.96	JD65949-4	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-C-230516-0.5-01	JD65949-5	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-C-230516-00-0.5	JD65949-6	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-C-230516-01-1.5	JD65949-7	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-C-230516-1.5-1.77	JD65949-8	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-C-G-230516-00-1.77	JD65949-9	JD65949	Sediment	MC, GS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2305161409	JD65949-10	JD65949	Water	PCBs, TOC
SE-220-47-E-230516-0.5-01	JD65949-11	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-E-230516-00-0.5	JD65949-12	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-E-230516-01-1.5	JD65949-13	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-E-230516-1.5-1.68	JD65949-14	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-E-BD0001	JD65949-15	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-W-230516-0.5-01	JD65949-16	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-W-230516-00-0.5	JD65949-17	JD65949	Sediment	PCBs, TOC, TS
SE-220-47-W-230516-01-1.5	JD65949-18	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-C-230516-0.5-01	JD65949-19	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-C-230516-00-0.5	JD65949-20	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-C-230516-01-1.43	JD65949-21	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-E-230516-0.5-01	JD65949-22	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-E-230516-00-0.5	JD65949-23	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-E-230516-01-1.5	JD65949-24	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-E-230516-1.5-02	JD65949-25	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-E-G-230516-00-2.1	JD65949-26	JD65949	Sediment	Density, MC, GS
SE-223-00-W-230516-0.5-01	JD65949-27	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-W-230516-00-0.5	JD65949-28	JD65949	Sediment	PCBs, TOC, TS
SE-223-00-W-230516-01-1.47	JD65949-29	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-C-230516-0.5-01	JD65949-30	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-C-230516-00-0.5	JD65949-31	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-C-230516-01-1.5	JD65949-32	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-C-G-230516-00-1.5	JD65949-33	JD65949	Sediment	MC, GS
SE-225-70-E-230516-0.5-01	JD65949-34	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-E-230516-00-0.5	JD65949-35	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-E-230516-01-1.3	JD65949-36	JD65949	Sediment	PCBs, TOC, TS
RB-2305161525	JD65949-37	JD65949	Water	PCBs, TOC
SE-225-70-W-230516-0.5-01	JD65949-38	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-W-230516-00-0.5	JD65949-39	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-W-230516-01-1.5	JD65949-40	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-W-230516-1.5-1.62	JD65949-41	JD65949	Sediment	PCBs, TOC, TS
SE-225-70-W-BD0001	JD65949-42	JD65949	Sediment	PCBs, TOC, TS
SE-228-20-C-230517-0.5-01	JD65970-1	JD65970	Sediment	PCBs, TOC, TS
SE-228-20-C-230517-00-0.5	JD65970-2	JD65970	Sediment	PCBs, TOC, TS
SE-228-20-C-230517-01-1.45	JD65970-3	JD65970	Sediment	PCBs, TOC, TS
SE-228-20-C-G-230517-00-1.45	JD65970-4	JD65970	Sediment	MC, GS
SE-228-20-E-230517-0.5-01	JD65970-5	JD65970	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-228-20-E-230517-00-0.5	JD65970-6	JD65970	Sediment	PCBs, TOC, TS
SE-228-20-E-230517-01-1.5	JD65970-7	JD65970	Sediment	PCBs, TOC, TS
SE-228-20-E-230517-1.5-1.72	JD65970-8	JD65970	Sediment	PCBs, TOC, TS
SE-228-20-W-230517-0.5-01	JD65970-9	JD65970	Sediment	PCBs, TOC, TS
SE-228-20-W-230517-00-0.5	JD65970-10	JD65970	Sediment	PCBs, TOC, TS
SE-228-20-W-230517-01-1.5	JD65970-11	JD65970	Sediment	PCBs, TOC, TS
SE-228-20-W-230517-1.5-1.92	JD65970-12	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-C-230517-0.5-01	JD65970-13	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-C-230517-00-0.5	JD65970-14	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-C-230517-01-1.5	JD65970-15	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-C-230517-1.5-1.7	JD65970-16	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-C-G-230517-00-1.7	JD65970-17	JD65970	Sediment	MC, GS
SE-230-73-E-230517-0.5-01	JD65970-18	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-E-230517-00-0.5	JD65970-19	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-E-230517-01-1.5	JD65970-20	JD65970	Sediment	PCBs, TOC, TS
RB-2305171425	JD65970-21	JD65970	Water	PCBs, TOC
SE-230-73-W-230517-0.5-01	JD65970-22	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-W-230517-00-0.5	JD65970-23	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-W-230517-01-1.5	JD65970-24	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-W-230517-1.5-1.69	JD65970-25	JD65970	Sediment	PCBs, TOC, TS
SE-230-73-W-BD0001	JD65970-26	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-C-230517-0.5-01	JD65970-27	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-C-230517-00-0.5	JD65970-28	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-C-230517-01-1.5	JD65970-29	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-E-230517-0.5-01	JD65970-30	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-E-230517-00-0.5	JD65970-31	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-E-230517-01-1.5	JD65970-32	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-E-230517-1.5-1.65	JD65970-33	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-W-230517-0.5-01	JD65970-34	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-W-230517-00-0.5	JD65970-35	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-W-230517-01-1.5	JD65970-36	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-W-230517-1.5-1.88	JD65970-37	JD65970	Sediment	PCBs, TOC, TS
SE-233-25-W-G-230517-00-1.88	JD65970-38	JD65970	Sediment	Density, MC, GS

Data Validation Report – EPA Stage 2A

July 30, 2023

Project: GE Housatonic River Sediment and Riverbanks
Project Number: 220469-10.01

DVR Number: AQ-2023-0107

This report summarizes the review of analytical results for 125 soil samples, 60 sediment samples, 10 field duplicate samples, and 9 equipment rinsate blanks collected in May 2023. The samples were collected by Anchor QEA and AECOM and submitted to SGS North America (SGS) in Dayton, New Jersey. Samples were analyzed for the following parameters:

- Polychlorinated biphenyl Aroclors (PCBs) by U.S. Environmental Protection Agency (EPA) method 8082A
- Total organic carbon (TOC) by method Lloyd Kahn and USEPA 9060A
- Grain size (GS) by ASTM method D422
- Total solids (TS) by Standard Method 2540G
- Moisture content (MC) by ASTM D2216
- Density by SM2937
- Specific gravity (SG) by ASTM D1429

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Five SDGs were reviewed in this report.

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures. Laboratory results were reviewed using the following guidelines:

- Field Sampling Plan/Quality Assurance Project Plan, Revision 5 (Arcadis 2013)
- EPA Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (SW-846, Third Edition; EPA 1986)
- Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (EPA 1996)
- EPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA 2020a)
- EPA National Functional Guidelines for Inorganic Superfund Methods Data Review (EPA 2020b)

Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by SGS at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Sample Preservation and Holding Times

Samples were appropriately preserved and analyzed within the holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies and were free of target analytes.

Field Quality Control

Field Quality Control (QC) included rinsate blanks and field duplicates. Field QC samples were collected at the required frequency.

Equipment Rinsate Blanks

Nine equipment rinsate blanks were collected in association with these sample sets. All rinsate blanks were analyzed for PCBs and three rinsate blanks were analyzed for TOC. All PCB and TOC results were below detection.

Field Duplicates

Ten field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD according to the QAPP. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them using $\pm 2 \times \text{MRL}$ as the control limit. Field duplicate RPD or difference values were within control limits. Parent sample and duplicate results associated with RPD or difference values above control limits have been qualified "UJ" or "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-235-82-C- 230518-00-0.5	SE-235-82-C- BD0001	RPD	Difference	Difference CL
Aroclor 1260	1810 µg/kg	1350 µg/kg	29%	--	--
TOC	4950 mg/kg	1920 mg/kg	88%	--	--
Total solids	71.9 %	74.4 %	3%	--	--

Analyte	SE-240-80-C-230518-0.5-01	SE-240-80-C-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1220 µg/kg	271 µg/kg	127%	--	--
TOC	2810 mg/kg	3740 mg/kg	28%	--	--
Total solids	71.9 %	67.5 %	6%	--	--

Analyte	RB-E-003-71-230518-00-01	RB-E-003-71-BD0001	RPD	Difference	Difference CL
Total solids	63.9 %	62.1 %	3%	--	--

Analyte	RB-W-040-50-230518-00-01	RB-W-040-50-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1290 µg/kg	1980 µg/kg	42%	--	--
Total solids	59.1 %	70.2 %	17%	--	--

Analyte	RB-W-043-18-230518-00-01	RB-W-043-18-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1340 µg/kg	1030 µg/kg	26%	--	--
Total solids	63.2 %	58.6 %	8%	--	--

Analyte	RB-W-036-50-230519-00-01	RB-W-036-50-BD0001	RPD	Difference	Difference CL
Aroclor 1260	11.4 µg/kg	26 µg/kg	--	14.6 µg/kg	54.0 µg/kg
Total solids	68.8 %	66.5 %	3%	--	--

Analyte	RB-W-058-43-230519-00-01	RB-W-058-43-BD0001	RPD	Difference	Difference CL
Aroclor 1260	670 µg/kg	758 µg/kg	12%	--	--
Total solids	53.5 %	56.1 %	5%	--	--

Analyte	RB-W-070-13-230519-00-01	RB-W-070-13-BD0001	RPD	Difference	Difference CL
Aroclor 1260	11400 µg/kg	33 µg/kg	199%	--	--
Total solids	78.9 %	56.3 %	33%	--	--

Analyte	SE-246-01-C-230519-0.5-01	SE-246-01-C-BD0001	RPD	Difference	Difference CL
Aroclor 1260	5100 µg/kg	3960 µg/kg	25%	--	--
TOC	19000 mg/kg	22900 mg/kg	19%	--	--
Total solids	77.3 %	72.7 %	6%	--	--

Analyte	RB-E-011-95-230523-00-01	RB-E-011-95-BD0001	RPD	Difference	Difference CL
Aroclor 1254	611 µg/kg	38 µg/kg	177%	--	--
Aroclor 1260	725 µg/kg	665 µg/kg	9%	--	--
Total solids	52.1 %	52.1 %	0%	--	--

Notes:

CL: Control Limit

µg/kg: microgram per kilogram

mg/kg: milligram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits with several exceptions. Due to the inability to accurately quantify surrogates when a sample was analyzed at a dilution of 5x or greater, no data were qualified when surrogate recoveries were outside of control limits. When surrogate recoveries were outside of the control limits in one column, but results were reported from the other column; no data were qualified. Surrogates recovered outside of control limits in some laboratory QC samples, however; data are not qualified for surrogate outliers in QC samples alone or when outlying surrogates are associated with the non-reporting column. All surrogate recoveries were within control limits.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency. No data were qualified when the LCS or LCSD recoveries were above the control limits and sample concentrations were not detected. No data were qualified when the surrogate recoveries were above the control limits and sample concentrations were not detected LCS and LCSD recoveries and/or RPD values within project-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequencies or MSDs were analyzed in place of laboratory duplicates. MS/MSD results reported for non-project samples were not evaluated. No data were qualified when native sample concentrations were greater than four times spike concentrations. No data were qualified when the recoveries and/or the RPD values were above the control limits and sample concentrations were not detected. Recoveries and/or RPD values were within project-required control limits with the following exceptions.

- SDG JD66298 – Aroclor 1260 recovered below the control limit in the MSD analyzed on sample RB-E-002-85-230518-00-01. The sample results have been qualified “UJ” or “J” to indicate a low bias.
- SDG JD66478 – Aroclor 1260 recovered above the control limit in the MSD analyzed on sample RB-E-011-33-230523-00-01. One detected sample result has been qualified “J” to indicate a high bias.
- TOC Batch GP47043 – TOC recovered below the control limit in the MS analyzed on sample SE-246-01-C-230519-00-0.5; and the RPD between the MS and MSD was above the control limit. Associated batch sample results have been qualified “J” to indicate a low bias.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/total solids, and grain size analyses and RPD values were within project-required control limits.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory reporting limits. Values were reported as undiluted or when diluted, the reporting limit reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD recovery values, with the exceptions noted above. Precision was acceptable as demonstrated by the LCS/LCSD, MS/MSD, and laboratory and field duplicate RPD or difference values, with the exceptions noted above. All data are acceptable as reported or qualified. Completeness was 100%; completeness goals were met. Table 2 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

- U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.
- J Indicates an estimated value.
- UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.

Table 2
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-E-002-85-230518-00-01	PCBs	Aroclor 1248	27U µg/kg	27UJ µg/kg	MSD %R below CL
		Aroclor 1254	27U µg/kg	27UJ µg/kg	
		Aroclor 1260	45.2 µg/kg	45.2J µg/kg	
RB-E-011-33-230523-00-01	PCBs	Aroclor 1260	114 µg/kg	114J µg/kg	MSD %R above CL
RB-E-011-95-230523-00-01	PCBs	Aroclor 1254	611 µg/kg	611J µg/kg	FD RPD above CL
RB-E-011-95-BD0001	PCBs	Aroclor 1254	38U µg/kg	38UJ µg/kg	FD RPD above CL
RB-W-070-13-230519-00-01	PCBs	Aroclor 1260	11400 µg/kg	11400J µg/kg	FD RPD above CL
RB-W-070-13-BD0001	PCBs	Aroclor 1260	33U µg/kg	33UJ µg/kg	FD RPD above CL
SE-235-82-C-230518-00-0.5	Conventionals	TOC	4950 mg/kg	4950J mg/kg	FD RPD above CL
SE-235-82-C-BD0001	Conventionals	TOC	1920 mg/kg	1920J mg/kg	FD RPD above CL
SE-240-80-C-230518-0.5-01	PCBs	Aroclor 1260	1220 µg/kg	1220J µg/kg	FD RPD above CL
SE-240-80-C-BD0001	PCBs	Aroclor 1260	271 µg/kg	271J µg/kg	FD RPD above CL
SE-243-34-E-230519-1.5-1.89	Conventionals	TOC	3600 mg/kg	3600J mg/kg	MS %R below CL; MS/MSD RPD above CL
SE-243-34-W-230519-0.5-01	Conventionals	TOC	3160 mg/kg	3160J mg/kg	MS %R below CL; MS/MSD RPD above CL
SE-243-34-W-230519-00-0.5	Conventionals	TOC	11400 mg/kg	11400J mg/kg	MS %R below CL; MS/MSD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-243-34-W-230519-01-1.5	Conventionals	TOC	10000 mg/kg	10000J mg/kg	MS %R below CL; MS/MSD RPD above CL
SE-246-01-C-230519-0.5-01	Conventionals	TOC	19000 mg/kg	19000J mg/kg	MS %R below CL; MS/MSD RPD above CL
SE-246-01-C-230519-00-0.5	Conventionals	TOC	56700 mg/kg	56700J mg/kg	MS %R below CL; MS/MSD RPD above CL
SE-246-01-C-230519-01-1.5	Conventionals	TOC	12300 mg/kg	12300J mg/kg	MS %R below CL; MS/MSD RPD above CL
SE-246-01-C-BD0001	Conventionals	TOC	22900 mg/kg	22900J mg/kg	MS %R below CL; MS/MSD RPD above CL
SE-246-01-E-230519-0.5-01	Conventionals	TOC	4960 mg/kg	4960J mg/kg	MS %R below CL; MS/MSD RPD above CL
SE-246-01-E-230519-00-0.5	Conventionals	TOC	3620 mg/kg	3620J mg/kg	MS %R below CL; MS/MSD RPD above CL

References

- Arcadis, 2013. *Field Sampling Plan/Quality Assurance Project Plan, Revision 5*. Prepared for General Electric Company, Pittsfield, Massachusetts. July 2013.
- EPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.
- EPA, 1996. *Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*. USEPA-New England, Region I, Quality Assurance Unit Staff, Office of Environmental Measurement and Evaluation. July 1996, Revised December 1996.
- EPA, 2020a. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.
- EPA, 2020b. USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. EPA 540-R-20-005. November 2020.

Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-026-81-230519-00-01	JD66291-1	JD66291	Soil	PCBs, GS, MC, TS
RB-W-027-53-230519-00-01	JD66291-2	JD66291	Soil	PCBs, TS
RB-W-027-99-230519-00-01	JD66291-3	JD66291	Soil	PCBs, TS
RB-W-028-51-230519-00-01	JD66291-4	JD66291	Soil	PCBs, TS
RB-W-029-05-230519-00-01	JD66291-5	JD66291	Soil	PCBs, TS
RB-W-029-65-230519-00-01	JD66291-6	JD66291	Soil	PCBs, TS
RB-W-030-18-230519-00-01	JD66291-7	JD66291	Soil	PCBs, TS
RB-W-030-74-230519-00-01	JD66291-8	JD66291	Soil	PCBs, TS
RB-W-031-26-230519-00-01	JD66291-9	JD66291	Soil	PCBs, TS
RB-W-031-77-230519-00-01	JD66291-10	JD66291	Soil	PCBs, TS
RB-W-032-32-230519-00-01	JD66291-11	JD66291	Soil	PCBs, TS
RB-W-032-84-230519-00-01	JD66291-12	JD66291	Soil	PCBs, TS
RB-W-033-64-230519-00-01	JD66291-13	JD66291	Soil	PCBs, TS
RB-W-034-14-230519-00-01	JD66291-14	JD66291	Soil	PCBs, TS
RB-W-034-65-230519-00-01	JD66291-15	JD66291	Soil	PCBs, TS
RB-W-035-24-230519-00-01	JD66291-16	JD66291	Soil	PCBs, TS
RB-2305191440	JD66291-17	JD66291	Water	PCBs
RB-W-035-67-230519-00-01	JD66291-18	JD66291	Soil	PCBs, TS
RB-W-036-09-230519-00-01	JD66291-19	JD66291	Soil	PCBs, TS
RB-W-036-50-230519-00-01	JD66291-20	JD66291	Soil	PCBs, TS
RB-W-036-50-BD0001	JD66291-21	JD66291	Soil	PCBs, TS
RB-W-036-72-230519-00-01	JD66291-22	JD66291	Soil	PCBs, TS
RB-W-036-89-230519-00-01	JD66291-23	JD66291	Soil	PCBs, TS
RB-W-037-12-230519-00-01	JD66291-24	JD66291	Soil	PCBs, TS
RB-W-037-29-230519-00-01	JD66291-25	JD66291	Soil	PCBs, GS, MC, TS
RB-2305191432	JD66291-26	JD66291	Water	PCBs
RB-W-048-83-230519-00-01	JD66291-27	JD66291	Soil	PCBs, TS
RB-W-049-31-230519-00-01	JD66291-28	JD66291	Soil	PCBs, TS
RB-W-049-76-230519-00-01	JD66291-29	JD66291	Soil	PCBs, TS
RB-W-050-17-230519-00-01	JD66291-30	JD66291	Soil	PCBs, GS, MC, TS
RB-W-050-89-230519-00-01	JD66291-31	JD66291	Soil	PCBs, TS
RB-W-058-43-230519-00-01	JD66291-32	JD66291	Soil	PCBs, TS
RB-W-058-43-BD0001	JD66291-33	JD66291	Soil	PCBs, TS
RB-W-058-94-230519-00-01	JD66291-34	JD66291	Soil	PCBs, GS, MC, TS
RB-W-059-71-230519-00-01	JD66291-35	JD66291	Soil	PCBs, TS
RB-W-060-18-230519-00-01	JD66291-36	JD66291	Soil	PCBs, TS
RB-W-061-24-230519-00-01	JD66291-37	JD66291	Soil	PCBs, TS
RB-W-062-01-230519-00-01	JD66291-38	JD66291	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-W-064-56-230519-00-01	JD66291-39	JD66291	Soil	PCBs, TS
RB-W-065-01-230519-00-01	JD66291-40	JD66291	Soil	PCBs, TS
RB-2305191354	JD66291-41	JD66291	Water	PCBs
RB-W-065-73-230519-00-01	JD66291-42	JD66291	Soil	PCBs, TS
RB-W-066-02-230519-00-01	JD66291-43	JD66291	Soil	PCBs, TS
RB-W-066-40-230519-00-01	JD66291-44	JD66291	Soil	PCBs, TS
RB-W-068-86-230519-00-01	JD66291-45	JD66291	Soil	PCBs, GS, MC, TS
RB-W-069-87-230519-00-01	JD66291-46	JD66291	Soil	PCBs, TS
RB-W-070-13-230519-00-01	JD66291-47	JD66291	Soil	PCBs, TS
RB-W-070-13-BD0001	JD66291-48	JD66291	Soil	PCBs, TS
RB-W-070-61-230519-00-01	JD66291-49	JD66291	Soil	PCBs, TS
RB-W-070-84-230519-00-01	JD66291-50	JD66291	Soil	PCBs, TS
RB-W-072-34-230519-00-01	JD66291-51	JD66291	Soil	PCBs, TS
RB-W-072-80-230519-00-01	JD66291-52	JD66291	Soil	PCBs, TS
RB-W-073-32-230519-00-01	JD66291-53	JD66291	Soil	PCBs, TS
RB-W-077-63-230519-00-01	JD66291-54	JD66291	Soil	PCBs, TS
RB-W-077-86-230519-00-01	JD66291-55	JD66291	Soil	PCBs, TS
RB-W-078-11-230519-00-01	JD66291-56	JD66291	Soil	PCBs, TS
RB-W-078-34-230519-00-01	JD66291-57	JD66291	Soil	PCBs, TS
RB-W-078-57-230519-00-01	JD66291-58	JD66291	Soil	PCBs, GS, MC, TS
RB-W-079-03-230519-00-01	JD66291-59	JD66291	Soil	PCBs, TS
RB-W-079-22-230519-00-01	JD66291-60	JD66291	Soil	PCBs, TS
RB-W-081-52-230519-00-01	JD66291-61	JD66291	Soil	PCBs, TS
RB-W-082-73-230519-00-01	JD66291-62	JD66291	Soil	PCBs, TS
RB-2305181412	JD66297-1	JD66297	Water	PCBs, TOC
SE-235-82-C-230518-0.5-01	JD66297-2	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-C-230518-00-0.5	JD66297-3	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-C-230518-01-1.31	JD66297-4	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-C-BD0001	JD66297-5	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-E-230518-0.5-01	JD66297-6	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-E-230518-00-0.5	JD66297-7	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-W-230518-0.5-01	JD66297-8	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-W-230518-00-0.5	JD66297-9	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-W-230518-01-1.5	JD66297-10	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-W-230518-1.5-1.93	JD66297-11	JD66297	Sediment	PCBs, TOC, TS
SE-235-82-W-G-230518-00-1.93	JD66297-12	JD66297	Sediment	GS, MC
SE-238-37-C-230518-0.5-01	JD66297-13	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-C-230518-00-0.5	JD66297-14	JD66297	Sediment	PCBs, TOC, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-238-37-C-230518-01-1.5	JD66297-15	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-C-230518-1.5-1.63	JD66297-16	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-C-G-230518-00-1.63	JD66297-17	JD66297	Sediment	GS, MC
SE-238-37-E-230518-0.5-01	JD66297-18	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-E-230518-00-0.5	JD66297-19	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-E-230518-01-1.1	JD66297-20	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-W-230518-0.5-01	JD66297-21	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-W-230518-00-0.5	JD66297-22	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-W-230518-01-1.5	JD66297-23	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-W-230518-02-2.5	JD66297-24	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-W-230518-1.5-02	JD66297-25	JD66297	Sediment	PCBs, TOC, TS
SE-238-37-W-230518-2.5-2.61	JD66297-26	JD66297	Sediment	PCBs, TOC, TS
RB-2305181457	JD66297-27	JD66297	Water	PCBs, TOC
SE-240-80-C-230518-0.5-01	JD66297-28	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-C-230518-00-0.5	JD66297-29	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-C-230518-01-1.5	JD66297-30	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-C-230518-1.5-1.91	JD66297-31	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-C-BD0001	JD66297-32	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-E-230518-0.5-01	JD66297-33	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-E-230518-00-0.5	JD66297-34	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-E-230518-01-1.5	JD66297-35	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-E-230518-1.5-1.81	JD66297-36	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-W-230518-0.5-01	JD66297-37	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-W-230518-00-0.5	JD66297-38	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-W-230518-01-1.5	JD66297-39	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-W-230518-1.5-1.92	JD66297-40	JD66297	Sediment	PCBs, TOC, TS
SE-240-80-W-G-230518-00-1.92	JD66297-41	JD66297	Sediment	GS, MC
RB-E-001-48-230518-00-01	JD66298-1	JD66298	Soil	PCBs, TS
RB-E-001-92-230518-00-01	JD66298-2	JD66298	Soil	PCBs, TS
RB-E-002-13-230518-00-01	JD66298-3	JD66298	Soil	PCBs, GS, MC, TS
RB-E-002-85-230518-00-01	JD66298-4	JD66298	Soil	PCBs, TS
RB-2305181247	JD66298-5	JD66298	Water	PCBs
RB-E-003-13-230518-00-01	JD66298-6	JD66298	Soil	PCBs, TS
RB-E-003-71-230518-00-01	JD66298-7	JD66298	Soil	PCBs, TS
RB-E-003-71-BD0001	JD66298-8	JD66298	Soil	PCBs, TS
RB-E-008-99-230518-00-01	JD66298-9	JD66298	Soil	PCBs, TS
RB-E-009-37-230518-00-01	JD66298-10	JD66298	Soil	PCBs, TS
RB-E-011-16-230518-00-01	JD66298-11	JD66298	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-012-24-230518-00-01	JD66298-12	JD66298	Soil	PCBs, TS
RB-E-015-53-230518-00-01	JD66298-13	JD66298	Soil	PCBs, TS, MC, GS, Specific Gravity, Density
RB-E-015-69-230518-00-01	JD66298-14	JD66298	Soil	PCBs, TS
RB-E-015-84-230518-00-01	JD66298-15	JD66298	Soil	PCBs, TS
RB-E-016-15-230518-00-01	JD66298-16	JD66298	Soil	PCBs, TS
RB-E-016-39-230518-00-01	JD66298-17	JD66298	Soil	PCBs, TS
RB-E-016-63-230518-00-01	JD66298-18	JD66298	Soil	PCBs, TS
RB-E-016-83-230518-00-01	JD66298-19	JD66298	Soil	PCBs, TS
RB-E-017-27-230518-00-01	JD66298-20	JD66298	Soil	PCBs, TS
RB-E-017-48-230518-00-01	JD66298-21	JD66298	Soil	PCBs, TS
RB-W-003-88-230518-00-01	JD66298-22	JD66298	Soil	PCBs, TS
RB-W-004-17-230518-00-01	JD66298-23	JD66298	Soil	PCBs, TS
RB-W-006-81-230518-00-01	JD66298-24	JD66298	Soil	PCBs, TS
RB-W-007-30-230518-00-01	JD66298-25	JD66298	Soil	PCBs, GS, MC, TS
RB-W-013-30-230518-00-01	JD66298-26	JD66298	Soil	PCBs, TS
RB-W-037-54-230518-00-01	JD66298-27	JD66298	Soil	PCBs, TS
RB-W-037-77-230518-00-01	JD66298-28	JD66298	Soil	PCBs, TS
RB-W-037-94-230518-00-01	JD66298-29	JD66298	Soil	PCBs, TS
RB-W-038-14-230518-00-01	JD66298-30	JD66298	Soil	PCBs, TS
RB-W-038-35-230518-00-01	JD66298-31	JD66298	Soil	PCBs, TS
RB-W-038-62-230518-00-01	JD66298-32	JD66298	Soil	PCBs, TS
RB-W-038-91-230518-00-01	JD66298-33	JD66298	Soil	PCBs, TS
RB-W-039-27-230518-00-01	JD66298-34	JD66298	Soil	PCBs, TS
RB-W-039-92-230518-00-01	JD66298-35	JD66298	Soil	PCBs, TS
RB-W-040-50-230518-00-01	JD66298-36	JD66298	Soil	PCBs, TS
RB-W-040-50-BD0001	JD66298-37	JD66298	Soil	PCBs, TS
RB-W-040-90-230518-00-01	JD66298-38	JD66298	Soil	PCBs, TS
RB-W-041-13-230518-00-01	JD66298-39	JD66298	Soil	PCBs, GS, MC, TS
RB-W-041-63-230518-00-01	JD66298-40	JD66298	Soil	PCBs, TS
RB-W-042-16-230518-00-01	JD66298-41	JD66298	Soil	PCBs, TS
RB-W-042-90-230518-00-01	JD66298-42	JD66298	Soil	PCBs, GS, MC, TS
RB-W-043-18-230518-00-01	JD66298-43	JD66298	Soil	PCBs, TS
RB-W-043-18-BD0001	JD66298-44	JD66298	Soil	PCBs, TS
RB-W-043-58-230518-00-01	JD66298-45	JD66298	Soil	PCBs, TS
RB-W-043-77-230518-00-01	JD66298-46	JD66298	Soil	PCBs, TS
RB-W-044-21-230518-00-01	JD66298-47	JD66298	Soil	PCBs, TS
RB-W-044-64-230518-00-01	JD66298-48	JD66298	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2305181319	JD66298-49	JD66298	Water	PCBs
RB-W-045-16-230518-00-01	JD66298-50	JD66298	Soil	PCBs, TS
RB-W-045-64-230518-00-01	JD66298-51	JD66298	Soil	PCBs, TS
SE-243-34-C-230519-0.5-01	JD66299-1	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-C-230519-01-1.27	JD66299-2	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-E-230519-0.5-01	JD66299-3	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-E-230519-01-1.5	JD66299-4	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-E-230519-1.5-1.89	JD66299-5	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-W-230519-0.5-01	JD66299-6	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-W-230519-00-0.5	JD66299-7	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-W-230519-01-1.5	JD66299-8	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-W-G-230519-00-1.58	JD66299-9	JD66299	Sediment	GS, MC
RB-2305191340	JD66299-10	JD66299	Water	PCBs, TOC
SE-246-01-C-230519-0.5-01	JD66299-11	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-C-230519-00-0.5	JD66299-12	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-C-230519-01-1.5	JD66299-13	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-C-BD0001	JD66299-14	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-E-230519-0.5-01	JD66299-15	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-E-230519-00-0.5	JD66299-16	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-E-230519-01-1.5	JD66299-17	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-E-230519-1.5-02	JD66299-18	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-E-G-230519-00-2.02	JD66299-19	JD66299	Sediment	GS, Density, MC
SE-246-01-W-230519-0.5-01	JD66299-20	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-W-230519-00-0.5	JD66299-21	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-W-230519-01-1.5	JD66299-22	JD66299	Sediment	PCBs, TOC, TS
SE-246-01-W-230519-1.5-1.75	JD66299-23	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-C-230519-00-0.5	JD66299-24	JD66299	Sediment	PCBs, TOC, TS
SE-243-34-E-230519-00-0.5	JD66299-25	JD66299	Sediment	PCBs, TOC, TS
RB-E-002-38-230523-00-01	JD66478-1	JD66478	Soil	PCBs, TS
RB-E-002-62-230523-00-01	JD66478-2	JD66478	Soil	PCBs, GS, MC, TS
RB-E-008-05-230523-00-01	JD66478-3	JD66478	Soil	PCBs, TS
RB-E-011-33-230523-00-01	JD66478-4	JD66478	Soil	PCBs, TS
RB-E-011-95-230523-00-01	JD66478-5	JD66478	Soil	PCBs, TS
RB-E-011-95-BD0001	JD66478-6	JD66478	Soil	PCBs, TS
RB-E-099-37-230523-00-01	JD66478-7	JD66478	Soil	PCBs, TS
RB-E-099-48-230523-00-01	JD66478-8	JD66478	Soil	PCBs, TS
RB-E-099-90-230523-00-01	JD66478-9	JD66478	Soil	PCBs, TS
RB-E-100-11-230523-00-01	JD66478-10	JD66478	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-E-100-60-230523-00-01	JD66478-11	JD66478	Soil	PCBs, TS
RB-E-100-80-230523-00-01	JD66478-12	JD66478	Soil	PCBs, TS
RB-E-101-05-230523-00-01	JD66478-13	JD66478	Soil	PCBs, TS
RB-2305231320	JD66478-14	JD66478	Water	PCBs
RB-E-101-25-230523-00-01	JD66478-15	JD66478	Soil	PCBs, TS
RB-E-101-46-230523-00-01	JD66478-16	JD66478	Soil	PCBs, TS
RB-E-101-67-230523-00-01	JD66478-17	JD66478	Soil	PCBs, GS, MC, TS
RB-E-101-87-230523-00-01	JD66478-18	JD66478	Soil	PCBs, TS
RB-W-004-06-230523-00-01	JD66478-19	JD66478	Soil	PCBs, TS
RB-W-005-05-230523-00-01	JD66478-20	JD66478	Soil	PCBs, TS
RB-W-074-30-230523-00-01	JD66478-21	JD66478	Soil	PCBs, GS, MC, TS
RB-W-098-17-230523-00-01	JD66478-22	JD66478	Soil	PCBs, TS
RB-W-099-65-230523-00-01	JD66478-23	JD66478	Soil	PCBs, TS
RB-W-100-70-230523-00-01	JD66478-24	JD66478	Soil	PCBs, TS
RB-W-101-29-230523-00-01	JD66478-25	JD66478	Soil	PCBs, TS

Appendix E

Analytical Data Summary Tables

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-000-00-220830-00-01 8/30/2022	RB-E-000-25-220830-00-01 8/30/2022	RB-E-000-49-220830-00-01 8/30/2022	RB-E-000-72-220830-00-01 8/30/2022	RB-E-000-89-220830-00-01 8/30/2022	RB-E-001-00-220830-00-01 8/30/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	86.9	95.1	87.5	78.4	87.8	88.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.033 U	0.036 U	0.040 U	0.037 U	0.036 U
Aroclor 1221	SW8082A	0.038 U	0.033 U	0.036 U	0.040 U	0.037 U	0.036 U
Aroclor 1232	SW8082A	0.038 U	0.033 U	0.036 U	0.040 U	0.037 U	0.036 U
Aroclor 1242	SW8082A	0.038 U	0.033 U	0.036 U	0.040 U	0.037 U	0.036 U
Aroclor 1248	SW8082A	0.038 U	0.033 U	0.036 U	0.040 UJ	0.037 U	0.036 U
Aroclor 1254	SW8082A	0.118 J	2.1 J	0.526 J	0.209 J	1.3 J	0.819 J
Aroclor 1260	SW8082A	0.217 J	6.64 J	2.37 J	0.594 J	5.18 J	1.39 J
Total PCB Aroclors (U = 0 max limit)		0.335 J	8.7 J	2.90 J	0.803 J	6.5 J	2.21 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-001-24-220830-00-01 8/30/2022	RB-E-001-48-230518-00-01 5/18/2023	RB-E-001-77-220830-00-01 8/30/2022	RB-E-001-77-BD0001 8/30/2022	RB-E-001-92-230518-00-01 5/18/2023	RB-E-002-13-230518-00-01 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	30.6
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	90.5	73.5	88.1	89	70.7	72.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	15
Percent passing (hydrometer 2)	D422	--	--	--	--	--	2.9
Percent passing (hydrometer 3)	D422	--	--	--	--	--	0.97
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	35.8
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	63.7
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	20.8
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	98.1
Percent retained 30-micron sieve	D422	--	--	--	--	--	91.8
Sand	D422	--	--	--	--	--	79.3
Silt	D422	--	--	--	--	--	20.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.035 U	0.027 U	0.037 U	0.036 U	0.027 U	0.027 U
Aroclor 1221	SW8082A	0.035 U	0.027 U	0.037 U	0.036 U	0.027 U	0.027 U
Aroclor 1232	SW8082A	0.035 U	0.027 U	0.037 U	0.036 U	0.027 U	0.027 U
Aroclor 1242	SW8082A	0.035 U	0.027 U	0.037 U	0.036 U	0.027 U	0.027 U
Aroclor 1248	SW8082A	0.035 U	0.027 U	0.037 U	0.036 U	0.027 U	0.027 U
Aroclor 1254	SW8082A	4.27 J	0.027 U	6.83 J	6.09 J	0.027 U	0.027 U
Aroclor 1260	SW8082A	12.5 J	0.238	17.9 J	13.2 J	2.16	0.163
Total PCB Aroclors (U = 0 max limit)		16.8 J	0.238	24.7 J	19.3 J	2.16	0.163

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-002-38-230523-00-01 5/23/2023	RB-E-002-62-230523-00-01 5/23/2023	RB-E-002-85-230518-00-01 5/18/2023	RB-E-003-13-230518-00-01 5/18/2023	RB-E-003-71-230518-00-01 5/18/2023	RB-E-003-71-BD0001 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	67.7	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60.4	63.1	72.8	63.9	63.9	62.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	22	--	--	--	--
Percent passing (hydrometer 2)	D422	--	7	--	--	--	--
Percent passing (hydrometer 3)	D422	--	4	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	44.4	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	85.7	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	28	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.8	--	--	--	--
Percent retained 30-micron sieve	D422	--	96.5	--	--	--	--
Sand	D422	--	72	--	--	--	--
Silt	D422	--	28	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.031 U	0.029 U	0.027 U	0.031 U	0.031 U	0.032 U
Aroclor 1221	SW8082A	0.031 U	0.029 U	0.027 U	0.031 U	0.031 U	0.032 U
Aroclor 1232	SW8082A	0.031 U	0.029 U	0.027 U	0.031 U	0.031 U	0.032 U
Aroclor 1242	SW8082A	0.031 U	0.029 U	0.027 U	0.031 U	0.031 U	0.032 U
Aroclor 1248	SW8082A	0.031 U	0.029 U	0.027 UJ	0.031 U	0.031 U	0.032 U
Aroclor 1254	SW8082A	0.031 U	0.029 U	0.027 UJ	0.031 U	0.031 U	0.032 U
Aroclor 1260	SW8082A	0.149	0.138	0.0452 J	0.031 U	0.031 U	0.032 U
Total PCB Aroclors (U = 0 max limit)		0.149	0.138	0.0452 J	0.025 U	0.025 U	0.027 U

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-004-51-220831-00-01 8/31/2022	RB-E-004-92-220831-00-01 8/31/2022	RB-E-005-13-220831-00-01 8/31/2022	RB-E-005-38-220831-00-01 8/31/2022	RB-E-005-62-220831-00-01 8/31/2022	RB-E-005-91-220831-00-01 8/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	87.9	85.6	88.1	81.5	86.4	71.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.036 U	0.036 U	0.037 U	0.037 U	0.046 U
Aroclor 1221	SW8082A	0.037 U	0.036 U	0.036 U	0.037 U	0.037 U	0.046 U
Aroclor 1232	SW8082A	0.037 U	0.036 U	0.036 U	0.037 U	0.037 U	0.046 U
Aroclor 1242	SW8082A	0.037 U	0.036 U	0.036 U	0.037 U	0.037 U	0.046 U
Aroclor 1248	SW8082A	0.037 U	0.036 U	0.036 U	0.037 U	0.037 U	0.046 U
Aroclor 1254	SW8082A	0.707	0.558	0.428	1.95	0.649	1.06
Aroclor 1260	SW8082A	2.79	1.75	1.43	9.54	2.09	3.23
Total PCB Aroclors (U = 0 max limit)		3.5	2.31	1.86	11.5	2.74	4.29

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-006-28-220901-00-01 9/1/2022	RB-E-006-50-220901-00-01 9/1/2022	RB-E-006-77-220901-00-01 9/1/2022	RB-E-007-05-220901-00-01 9/1/2022	RB-E-007-28-220901-00-01 9/1/2022	RB-E-007-45-220901-00-01 9/1/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72	82.1	77.8	62.6	68.9	70.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.040 U	0.039 U	0.051 U	0.046 U	0.042 U
Aroclor 1221	SW8082A	0.043 U	0.040 U	0.039 U	0.051 U	0.046 U	0.042 U
Aroclor 1232	SW8082A	0.043 U	0.040 U	0.039 U	0.051 U	0.046 U	0.042 U
Aroclor 1242	SW8082A	0.043 U	0.040 U	0.039 U	0.051 U	0.046 U	0.042 U
Aroclor 1248	SW8082A	0.043 U	0.040 U	0.039 U	0.051 U	0.046 U	0.042 U
Aroclor 1254	SW8082A	0.386	1.15	0.618	0.484	0.628	0.974
Aroclor 1260	SW8082A	1.14	4.25	1.42	1.12	1.78	2.73
Total PCB Aroclors (U = 0 max limit)		1.53	5.4	2.04	1.6	2.41	3.7

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-007-58-220901-00-01 9/1/2022	RB-E-007-65-220901-00-01 9/1/2022	RB-E-007-65-BD0001 9/1/2022	RB-E-007-73-220901-00-01 9/1/2022	RB-E-007-82-220901-00-01 9/1/2022	RB-E-008-05-230523-00-01 5/23/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	12.6	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.9	76.2	77.2	84.1	85.3	60.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	15.7	--
Percent passing (hydrometer 1)	D422	--	--	--	--	14	--
Percent passing (hydrometer 2)	D422	--	--	--	--	6	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	98.4	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	32.2	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	68	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	84.3	--
Percent passing 50-micron sieve	D422	--	--	--	--	43	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	22.6	--
Percent passing 8.0 micron	D422	--	--	--	--	70.5	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	57.9	--
Percent retained 30-micron sieve	D422	--	--	--	--	49.7	--
Sand	D422	--	--	--	--	61.7	--
Silt	D422	--	--	--	--	22.6	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.042 U	0.038 U	0.036 U	0.038 U	0.032 U
Aroclor 1221	SW8082A	0.045 U	0.042 U	0.038 U	0.036 U	0.038 U	0.032 U
Aroclor 1232	SW8082A	0.045 U	0.042 U	0.038 U	0.036 U	0.038 U	0.032 U
Aroclor 1242	SW8082A	0.045 U	0.042 U	0.038 U	0.036 U	0.038 U	0.032 U
Aroclor 1248	SW8082A	0.045 U	0.042 U	0.038 U	0.036 U	0.038 U	0.032 U
Aroclor 1254	SW8082A	0.663	1.49 J	1.29	0.797	1.48	0.032 U
Aroclor 1260	SW8082A	2.48	3.76 J	3.58	6.7	3.76	0.126
Total PCB Aroclors (U = 0 max limit)		3.14	5.25 J	4.87	7.5	5.24	0.126

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-008-33-220901-00-01 9/1/2022	RB-E-008-54-220901-00-01 9/1/2022	RB-E-008-74-220902-00-01 9/2/2022	RB-E-008-99-230518-00-01 5/18/2023	RB-E-009-20-220902-00-01 9/2/2022	RB-E-009-37-230518-00-01 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	83.6	77.1	61.5	59.2	70.9	58.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.043 U	0.051 U	0.032 U	0.047 U	0.033 U
Aroclor 1221	SW8082A	0.039 U	0.043 U	0.051 U	0.032 U	0.047 U	0.033 U
Aroclor 1232	SW8082A	0.039 U	0.043 U	0.051 U	0.032 U	0.047 U	0.033 U
Aroclor 1242	SW8082A	0.039 U	0.043 U	0.051 U	0.032 U	0.047 U	0.033 U
Aroclor 1248	SW8082A	0.039 U	0.043 U	0.051 U	0.032 U	0.047 U	0.033 U
Aroclor 1254	SW8082A	1.34	3.45	0.051 U	0.032 U	126 J	0.033 U
Aroclor 1260	SW8082A	3.12	9.08	0.051 U	0.151	110 J	0.101
Total PCB Aroclors (U = 0 max limit)		4.46	12.5	0.046 U	0.151	240 J	0.101

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-009-57-220902-00-01 9/2/2022	RB-E-009-82-220902-00-01 9/2/2022	RB-E-010-05-220902-00-01 9/2/2022	RB-E-010-21-220902-00-01 9/2/2022	RB-E-010-41-220902-00-01 9/2/2022	RB-E-010-61-220902-00-01 9/2/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81	80.7	69.8	68.7	85.1	90.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.037 U	0.042 U	0.044 U	0.036 U	0.035 U
Aroclor 1221	SW8082A	0.040 U	0.037 U	0.042 U	0.044 U	0.036 U	0.035 U
Aroclor 1232	SW8082A	0.040 U	0.037 U	0.042 U	0.044 U	0.036 U	0.035 U
Aroclor 1242	SW8082A	0.040 U	0.037 U	0.042 U	0.044 U	0.036 U	0.035 U
Aroclor 1248	SW8082A	0.040 U	0.037 U	0.042 U	0.044 U	0.036 U	0.035 U
Aroclor 1254	SW8082A	1.64	6.27	1.57	0.044 U	14	4.07 J
Aroclor 1260	SW8082A	4.46	44.3	5.31	0.168 J	61.1	15.8 J
Total PCB Aroclors (U = 0 max limit)		6.1	50.6	6.88	0.168 J	75	19.9 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-010-72-220902-00-01 9/2/2022	RB-E-010-94-220902-00-01 9/2/2022	RB-E-011-16-220902-00-01 9/2/2022	RB-E-011-16-230518-00-01 5/18/2023	RB-E-011-33-230523-00-01 5/23/2023	RB-E-011-60-220902-00-01 9/2/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	85	90.2	79.5	67.8	64.3	83.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.033 U	0.040 U	0.028 U	0.027 U	0.036 U
Aroclor 1221	SW8082A	0.036 U	0.033 U	0.040 U	0.028 U	0.027 U	0.036 U
Aroclor 1232	SW8082A	0.036 U	0.033 U	0.040 U	0.028 U	0.027 U	0.036 U
Aroclor 1242	SW8082A	0.036 U	0.033 U	0.040 U	0.028 U	0.027 U	0.036 U
Aroclor 1248	SW8082A	0.036 U	0.033 U	0.040 U	0.028 U	0.027 U	0.036 U
Aroclor 1254	SW8082A	5.77 J	2.69	7.14	0.028 U	0.027 U	1.43
Aroclor 1260	SW8082A	13.8 J	9.54	9.75	0.0241 J	0.114 J	5.11
Total PCB Aroclors (U = 0 max limit)		19.6 J	12.2	16.9	0.0241 J	0.114 J	6.54

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-011-95-230523-00-01 5/23/2023	RB-E-011-95-BD0001 5/23/2023	RB-E-012-24-230518-00-01 5/18/2023	RB-E-012-83-220907-00-01 9/7/2022	RB-E-013-09-220907-00-01 9/7/2022	RB-E-013-64-220907-00-01 9/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	52.1	52.1	60.8	70.1	62	70.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.038 U	0.032 U	0.045 U	0.049 U	0.043 U
Aroclor 1221	SW8082A	0.038 U	0.038 U	0.032 U	0.045 U	0.049 U	0.043 U
Aroclor 1232	SW8082A	0.038 U	0.038 U	0.032 U	0.045 U	0.049 U	0.043 U
Aroclor 1242	SW8082A	0.038 U	0.038 U	0.032 U	0.045 U	0.049 U	0.043 U
Aroclor 1248	SW8082A	0.038 U	0.038 U	0.032 U	0.045 U	0.049 U	0.043 U
Aroclor 1254	SW8082A	0.611 J	0.038 UJ	0.032 U	2	1.04	1.24
Aroclor 1260	SW8082A	0.725	0.665	0.0942	5.66	3.68	4.03
Total PCB Aroclors (U = 0 max limit)		1.34 J	0.665 J	0.0942	7.7	4.72	5.27

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-014-11-220907-00-01 9/7/2022	RB-E-014-42-220907-00-01 9/7/2022	RB-E-014-69-220907-00-01 9/7/2022	RB-E-014-88-220907-00-01 9/7/2022	RB-E-015-16-220907-00-01 9/7/2022	RB-E-015-26-220907-00-01 9/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.7	71.1	64.9	61.1	70.6	74.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	1.4	--
Percent passing (hydrometer 1)	D422	--	--	--	--	19	--
Percent passing (hydrometer 2)	D422	--	--	--	--	9	--
Percent passing (hydrometer 3)	D422	--	--	--	--	6	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	98.7	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	99.2	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	64.5	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	98.4	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	98.6	--
Percent passing 50-micron sieve	D422	--	--	--	--	93.2	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	44	--
Percent passing 8.0 micron	D422	--	--	--	--	98.5	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	98.1	--
Percent retained 30-micron sieve	D422	--	--	--	--	96.5	--
Sand	D422	--	--	--	--	54.6	--
Silt	D422	--	--	--	--	44	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.046 U	0.051 U	0.050 U	0.045 U	0.042 U
Aroclor 1221	SW8082A	0.043 U	0.046 U	0.051 U	0.050 U	0.045 U	0.042 U
Aroclor 1232	SW8082A	0.043 U	0.046 U	0.051 U	0.050 U	0.045 U	0.042 U
Aroclor 1242	SW8082A	0.043 U	0.046 U	0.051 U	0.050 U	0.045 U	0.042 U
Aroclor 1248	SW8082A	0.043 U	0.046 U	0.051 U	0.050 U	0.045 U	0.042 U
Aroclor 1254	SW8082A	0.679	0.682	0.763	0.796	1.3	1.6
Aroclor 1260	SW8082A	2.96	2.46	2.85	3.29	3.7	5.97 J
Total PCB Aroclors (U = 0 max limit)		3.64	3.14	3.61	4.09	5	7.6 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-015-26-BD0001 9/7/2022	RB-E-015-53-230518-00-01 5/18/2023	RB-E-015-69-230518-00-01 5/18/2023	RB-E-015-84-230518-00-01 5/18/2023	RB-E-016-15-230518-00-01 5/18/2023	RB-E-016-39-230518-00-01 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	1.7	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	36.7	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.9	67.6	63.7	44	60.3	70.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	87	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	16	--	--	--	--
Percent passing (hydrometer 2)	D422	--	4.7	--	--	--	--
Percent passing (hydrometer 3)	D422	--	0.93	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	45.8	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	76.1	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	28.4	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.9	--	--	--	--
Percent retained 30-micron sieve	D422	--	98.2	--	--	--	--
Sand	D422	--	71.6	--	--	--	--
Silt	D422	--	28.4	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.030 U	0.030 U	0.045 U	0.031 U	0.028 U
Aroclor 1221	SW8082A	0.046 U	0.030 U	0.030 U	0.045 U	0.031 U	0.028 U
Aroclor 1232	SW8082A	0.046 U	0.030 U	0.030 U	0.045 U	0.031 U	0.028 U
Aroclor 1242	SW8082A	0.046 U	0.030 U	0.030 U	0.045 U	0.031 U	0.028 U
Aroclor 1248	SW8082A	0.046 U	0.030 U	0.030 U	0.045 U	0.031 U	0.028 U
Aroclor 1254	SW8082A	1.27	0.030 U	0.030 U	0.045 U	0.031 U	0.028 U
Aroclor 1260	SW8082A	2.88 J	0.299	0.166	1.05	1.11	0.899
Total PCB Aroclors (U = 0 max limit)		4.15 J	0.299	0.166	1.05	1.11	0.899

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-016-63-230518-00-01 5/18/2023	RB-E-016-83-230518-00-01 5/18/2023	RB-E-017-02-220908-00-01 9/8/2022	RB-E-017-27-230518-00-01 5/18/2023	RB-E-017-48-230518-00-01 5/18/2023	RB-E-017-70-220908-00-01 9/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.6	56.4	67.8	68.6	62.2	66.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.035 U	0.049 U	0.029 U	0.031 U	0.048 U
Aroclor 1221	SW8082A	0.027 U	0.035 U	0.049 U	0.029 U	0.031 U	0.048 U
Aroclor 1232	SW8082A	0.027 U	0.035 U	0.049 U	0.029 U	0.031 U	0.048 U
Aroclor 1242	SW8082A	0.027 U	0.035 U	0.049 U	0.029 U	0.031 U	0.048 U
Aroclor 1248	SW8082A	0.027 U	0.035 U	0.049 U	0.029 U	0.031 U	0.048 U
Aroclor 1254	SW8082A	1.06	0.035 U	2.8	0.029 U	0.031 U	1.86
Aroclor 1260	SW8082A	1.02	1.36	6.03	1.72	0.619	5.41
Total PCB Aroclors (U = 0 max limit)		2.08	1.36	8.8	1.72	0.619	7.27

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-017-70-BD0001 9/8/2022	RB-E-017-98-220908-00-01 9/8/2022	RB-E-018-24-221117-00-01 11/17/2022	RB-E-018-45-220908-00-01 9/8/2022	RB-E-018-65-221117-00-01 11/17/2022	RB-E-018-92-220908-00-01 9/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	40.6	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	59.2	71.7	72.8	71.9	62.9	69.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	16	--	--
Percent passing (hydrometer 2)	D422	--	--	--	6	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	53.6	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99.9	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	93.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	28.9	--	--
Percent passing 8.0 micron	D422	--	--	--	99.9	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.7	--	--
Percent retained 30-micron sieve	D422	--	--	--	98.6	--	--
Sand	D422	--	--	--	71.1	--	--
Silt	D422	--	--	--	28.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.052 U	0.045 U	0.044 U	0.041 U	0.052 U	0.045 U
Aroclor 1221	SW8082A	0.052 U	0.045 U	0.044 U	0.041 U	0.052 U	0.045 U
Aroclor 1232	SW8082A	0.052 U	0.045 U	0.044 U	0.041 U	0.052 U	0.045 U
Aroclor 1242	SW8082A	0.052 U	0.045 U	0.044 U	0.041 U	0.052 U	0.045 U
Aroclor 1248	SW8082A	0.052 U	0.045 U	0.044 U	0.041 U	0.052 U	0.045 U
Aroclor 1254	SW8082A	2.72	0.0701	5.75	1.74	2.41	0.465
Aroclor 1260	SW8082A	8.67	0.173	21.7	5.06	9.49	0.875
Total PCB Aroclors (U = 0 max limit)		11.4	0.243	27.5	6.8	11.9	1.34

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-019-14-221117-00-01 11/17/2022	RB-E-019-42-220908-00-01 9/8/2022	RB-E-019-66-221117-00-01 11/17/2022	RB-E-019-89-220908-00-01 9/8/2022	RB-E-020-11-221117-00-01 11/17/2022	RB-E-020-11-BD0001 11/17/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	79.2	71.9	81.1	64.4	72.4	76
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.044 U	0.039 U	0.050 U	0.044 U	0.043 U
Aroclor 1221	SW8082A	0.041 U	0.044 U	0.039 U	0.050 U	0.044 U	0.043 U
Aroclor 1232	SW8082A	0.041 U	0.044 U	0.039 U	0.050 U	0.044 U	0.043 U
Aroclor 1242	SW8082A	0.041 U	0.044 U	0.039 U	0.050 U	0.044 U	0.043 U
Aroclor 1248	SW8082A	0.041 U	0.044 U	0.039 U	0.050 U	0.044 U	0.043 U
Aroclor 1254	SW8082A	3.54 J	5.83	1.47	1.56	2.15	1.56
Aroclor 1260	SW8082A	13.1 J	16.9	5.03	4.22	8.46	5.19
Total PCB Aroclors (U = 0 max limit)		16.6 J	22.7	6.5	5.78	10.6	6.75

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-020-38-220908-00-01 9/8/2022	RB-E-020-63-221117-00-01 11/17/2022	RB-E-020-89-220908-00-01 9/8/2022	RB-E-021-16-221117-00-01 11/17/2022	RB-E-021-42-220909-00-01 9/9/2022	RB-E-021-62-221117-00-01 11/17/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	60.1	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.6	79.2	62	73.1	79	77.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0.18	--	--	--
Percent passing (hydrometer 1)	D422	--	--	18	--	--	--
Percent passing (hydrometer 2)	D422	--	--	6	--	--	--
Percent passing (hydrometer 3)	D422	--	--	2	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	99.9	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	69.2	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	99.5	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	99.8	--	--	--
Percent passing 50-micron sieve	D422	--	--	96.9	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	36	--	--	--
Percent passing 8.0 micron	D422	--	--	99.6	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.4	--	--	--
Percent retained 30-micron sieve	D422	--	--	98.6	--	--	--
Sand	D422	--	--	63.8	--	--	--
Silt	D422	--	--	36	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.038 U	0.050 U	0.042 U	0.040 U	0.040 U
Aroclor 1221	SW8082A	0.045 U	0.038 U	0.050 U	0.042 U	0.040 U	0.040 U
Aroclor 1232	SW8082A	0.045 U	0.038 U	0.050 U	0.042 U	0.040 U	0.040 U
Aroclor 1242	SW8082A	0.045 U	0.038 U	0.050 U	0.042 U	0.040 U	0.040 U
Aroclor 1248	SW8082A	0.045 U	0.038 U	0.050 U	0.042 U	0.040 U	0.040 U
Aroclor 1254	SW8082A	1.69	2.6	1.07	0.654	4.26	1.3
Aroclor 1260	SW8082A	4.44	10.2	3.05	2.49	11.4	4.84
Total PCB Aroclors (U = 0 max limit)		6.13	13	4.12	3.14	15.7	6.1

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-021-85-220909-00-01 9/9/2022	RB-E-022-15-221117-00-01 11/17/2022	RB-E-022-42-220909-00-01 9/9/2022	RB-E-022-63-221117-00-01 11/17/2022	RB-E-022-92-220909-00-01 9/9/2022	RB-E-023-20-221117-00-01 11/17/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69	77.1	76.9	71.3	74.3	76
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.041 U	0.039 U	0.041 U	0.040 U	0.043 U
Aroclor 1221	SW8082A	0.046 U	0.041 U	0.039 U	0.041 U	0.040 U	0.043 U
Aroclor 1232	SW8082A	0.046 U	0.041 U	0.039 U	0.041 U	0.040 U	0.043 U
Aroclor 1242	SW8082A	0.046 U	0.041 U	0.039 U	0.041 U	0.040 U	0.043 U
Aroclor 1248	SW8082A	0.046 U	0.041 U	0.039 U	0.041 U	0.040 U	0.043 U
Aroclor 1254	SW8082A	3.65	1.34	2.75	1.02	1.14 J	0.771
Aroclor 1260	SW8082A	7.85	5.49	6.67	3.53	4.3	2.87
Total PCB Aroclors (U = 0 max limit)		11.5	6.83	9.42	4.55	5.4 J	3.64

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-023-47-220909-00-01 9/9/2022	RB-E-023-69-221117-00-01 11/17/2022	RB-E-023-97-220909-00-01 9/9/2022	RB-E-024-23-221117-00-01 11/17/2022	RB-E-024-63-220909-00-01 9/9/2022	RB-E-024-97-221117-00-01 11/17/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	45.7	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.8	68.1	73.6	70	72.5	66
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	19	--	--
Percent passing (hydrometer 2)	D422	--	--	--	6	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	45.5	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	90.7	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	25.6	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.8	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.6	--	--
Sand	D422	--	--	--	74.4	--	--
Silt	D422	--	--	--	25.6	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.046 U	0.042 U	0.044 U	0.043 U	0.046 U
Aroclor 1221	SW8082A	0.041 U	0.046 U	0.042 U	0.044 U	0.043 U	0.046 U
Aroclor 1232	SW8082A	0.041 U	0.046 U	0.042 U	0.044 U	0.043 U	0.046 U
Aroclor 1242	SW8082A	0.041 U	0.046 U	0.042 U	0.044 U	0.043 U	0.046 U
Aroclor 1248	SW8082A	0.041 U	0.046 U	0.042 U	0.044 U	0.043 U	0.046 U
Aroclor 1254	SW8082A	1.18	1.33 J	1.14	1.26	0.784	1.18
Aroclor 1260	SW8082A	4.67	4.12	4.11	4.39	2.58	3.67
Total PCB Aroclors (U = 0 max limit)		5.85	5.45 J	5.25	5.65	3.36	4.85

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-025-38-220909-00-01 9/9/2022	RB-E-025-72-221117-00-01 11/17/2022	RB-E-026-03-220909-00-01 9/9/2022	RB-E-026-26-221117-00-01 11/17/2022	RB-E-026-55-220909-00-01 9/9/2022	RB-E-026-76-221117-00-01 11/17/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	30.2	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.4	70.6	76.7	68.8	64.6	73
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	1.2	--	--	--	--	--
Percent passing (hydrometer 1)	D422	8	--	--	--	--	--
Percent passing (hydrometer 2)	D422	4	--	--	--	--	--
Percent passing (hydrometer 3)	D422	1	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	99.1	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	99.2	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	33.9	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	97.7	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	98.8	--	--	--	--	--
Percent passing 50-micron sieve	D422	79.4	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	17	--	--	--	--	--
Percent passing 8.0 micron	D422	98	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	97.2	--	--	--	--	--
Percent retained 30-micron sieve	D422	93.8	--	--	--	--	--
Sand	D422	81.8	--	--	--	--	--
Silt	D422	17	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.044 U	0.042 U	0.046 U	0.050 U	0.043 U
Aroclor 1221	SW8082A	0.040 U	0.044 U	0.042 U	0.046 U	0.050 U	0.043 U
Aroclor 1232	SW8082A	0.040 U	0.044 U	0.042 U	0.046 U	0.050 U	0.043 U
Aroclor 1242	SW8082A	0.040 U	0.044 U	0.042 U	0.046 U	0.050 U	0.043 U
Aroclor 1248	SW8082A	0.040 U	0.044 U	0.042 U	0.046 U	0.050 U	0.043 U
Aroclor 1254	SW8082A	0.734	0.785	0.962	1.39 J	1.32	1.44 J
Aroclor 1260	SW8082A	2.54	2.42	3.27	4.72	4.86	4.35
Total PCB Aroclors (U = 0 max limit)		3.27	3.21	4.23	6.11 J	6.18	5.79 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-026-98-220909-00-01 9/9/2022	RB-E-027-27-221115-00-01 11/15/2022	RB-E-027-53-220909-00-01 9/9/2022	RB-E-027-53-BD0001 9/9/2022	RB-E-027-76-221115-00-01 11/15/2022	RB-E-027-76-BD0001 11/15/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.6	72.7	70.6	76.2	68.3	68
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.043 U	0.042 U	0.040 U	0.045 U	0.046 U
Aroclor 1221	SW8082A	0.047 U	0.043 U	0.042 U	0.040 U	0.045 U	0.046 U
Aroclor 1232	SW8082A	0.047 U	0.043 U	0.042 U	0.040 U	0.045 U	0.046 U
Aroclor 1242	SW8082A	0.047 U	0.043 U	0.042 U	0.040 U	0.045 U	0.046 U
Aroclor 1248	SW8082A	0.047 U	0.043 U	0.042 U	0.040 U	0.045 U	0.046 U
Aroclor 1254	SW8082A	1.93	0.603 J	0.915	1.14	0.654 J	0.558 J
Aroclor 1260	SW8082A	9.97	1.81 J	2.92	3.37	2.4 J	2.02 J
Total PCB Aroclors (U = 0 max limit)		11.9	2.41 J	3.84	4.51	3.1 J	2.58 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-028-04-220909-00-01 9/9/2022	RB-E-028-29-221115-00-01 11/15/2022	RB-E-028-51-220909-00-01 9/9/2022	RB-E-028-75-221115-00-01 11/15/2022	RB-E-028-98-220909-00-01 9/9/2022	RB-E-029-20-221117-00-01 11/17/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.7	70.1	76.7	76.2	76	65.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.047 U	0.043 U	0.042 U	0.039 U	0.049 U
Aroclor 1221	SW8082A	0.048 U	0.047 U	0.043 U	0.042 U	0.039 U	0.049 U
Aroclor 1232	SW8082A	0.048 U	0.047 U	0.043 U	0.042 U	0.039 U	0.049 U
Aroclor 1242	SW8082A	0.048 U	0.047 U	0.043 U	0.042 U	0.039 U	0.049 U
Aroclor 1248	SW8082A	0.048 U	0.047 U	0.043 U	0.042 U	0.039 U	0.049 U
Aroclor 1254	SW8082A	0.971	0.653 J	0.718	0.678 J	1.38	1.1 J
Aroclor 1260	SW8082A	2.81	2.22 J	2.91	2.6 J	5.62	5.46
Total PCB Aroclors (U = 0 max limit)		3.78	2.87 J	3.63	3.3 J	7	6.6 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-029-42-220914-00-01 9/14/2022	RB-E-029-63-221115-00-01 11/15/2022	RB-E-029-88-221115-00-01 11/15/2022	RB-E-030-09-220914-00-01 9/14/2022	RB-E-030-28-221117-00-01 11/17/2022	RB-E-030-48-220914-00-01 9/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	41.9	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	65.7	74.5	93	69.7	75.3	76.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0.01	--	--
Percent passing (hydrometer 1)	D422	--	--	--	44	--	--
Percent passing (hydrometer 2)	D422	--	--	--	14	--	--
Percent passing (hydrometer 3)	D422	--	--	--	7	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	89.5	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99.9	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	98.8	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	65.4	--	--
Percent passing 8.0 micron	D422	--	--	--	99.9	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.9	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.5	--	--
Sand	D422	--	--	--	34.6	--	--
Silt	D422	--	--	--	65.4	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.044 U	0.034 U	0.048 U	0.042 U	0.043 U
Aroclor 1221	SW8082A	0.044 U	0.044 U	0.034 U	0.048 U	0.042 U	0.043 U
Aroclor 1232	SW8082A	0.044 U	0.044 U	0.034 U	0.048 U	0.042 U	0.043 U
Aroclor 1242	SW8082A	0.044 U	0.044 U	0.034 U	0.048 U	0.042 U	0.043 U
Aroclor 1248	SW8082A	0.044 U	0.044 U	0.034 U	0.048 U	0.042 U	0.043 U
Aroclor 1254	SW8082A	12.5	0.638 J	0.771 J	0.048 U	1.24	0.043 U
Aroclor 1260	SW8082A	28.3	2.43 J	3.3 J	0.9	5.27	1.18
Total PCB Aroclors (U = 0 max limit)		40.8	3.07 J	4.1 J	0.9	6.51	1.18

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-030-72-221117-00-01 11/17/2022	RB-E-030-99-221117-00-01 11/17/2022	RB-E-031-18-220914-00-01 9/14/2022	RB-E-031-43-221117-00-01 11/17/2022	RB-E-031-65-220914-00-01 9/14/2022	RB-E-031-90-221117-00-01 11/17/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	35.9	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78.3	75.9	67.7	73.4	68.4	76.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	24	--	--
Percent passing (hydrometer 2)	D422	--	--	--	8	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	57.8	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	93.7	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	36.9	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.8	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.3	--	--
Sand	D422	--	--	--	63.2	--	--
Silt	D422	--	--	--	36.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.039 U	0.046 U	0.043 U	0.044 U	0.041 U
Aroclor 1221	SW8082A	0.038 U	0.039 U	0.046 U	0.043 U	0.044 U	0.041 U
Aroclor 1232	SW8082A	0.038 U	0.039 U	0.046 U	0.043 U	0.044 U	0.041 U
Aroclor 1242	SW8082A	0.038 U	0.039 U	0.046 U	0.043 U	0.044 U	0.041 U
Aroclor 1248	SW8082A	0.038 U	0.039 U	0.046 U	0.043 U	0.044 U	0.041 U
Aroclor 1254	SW8082A	0.195	0.859	1.96 J	0.345	2.28	0.0383 J
Aroclor 1260	SW8082A	1.07	5.81	5.23	0.517	5.62	0.156
Total PCB Aroclors (U = 0 max limit)		1.27	6.67	7.19 J	0.862	7.9	0.194 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-032-07-220914-00-01 9/14/2022	RB-E-032-30-221114-00-01 11/14/2022	RB-E-032-52-221114-00-01 11/14/2022	RB-E-032-76-220914-00-01 9/14/2022	RB-E-033-01-221114-00-01 11/14/2022	RB-E-033-23-221114-00-01 11/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	55.4	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	79.5	50.9	59.2	67.4	64.3	73.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	29	--	--	--
Percent passing (hydrometer 2)	D422	--	--	10	--	--	--
Percent passing (hydrometer 3)	D422	--	--	4.7	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	50.5	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	82.1	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	40.9	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	100	--	--	--
Percent retained 30-micron sieve	D422	--	--	94.4	--	--	--
Sand	D422	--	--	59.1	--	--	--
Silt	D422	--	--	40.9	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.065 U	0.051 U	0.048 U	0.050 U	0.045 U
Aroclor 1221	SW8082A	0.038 U	0.065 U	0.051 U	0.048 U	0.050 U	0.045 U
Aroclor 1232	SW8082A	0.038 U	0.065 U	0.051 U	0.048 U	0.050 U	0.045 U
Aroclor 1242	SW8082A	0.038 U	0.065 U	0.051 U	0.048 U	0.050 U	0.045 U
Aroclor 1248	SW8082A	0.038 U	0.065 U	0.051 U	0.048 U	0.050 U	0.045 U
Aroclor 1254	SW8082A	3	1.1	0.661	0.997	0.924	1.72
Aroclor 1260	SW8082A	9.76	3.67	2.2	3.58	3.29	5.3
Total PCB Aroclors (U = 0 max limit)		13	4.8	2.9	4.58	4.21	7

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-033-44-221114-00-01 11/14/2022	RB-E-033-67-221114-00-01 11/14/2022	RB-E-033-92-221114-00-01 11/14/2022	RB-E-034-16-221114-00-01 11/14/2022	RB-E-034-35-221114-00-01 11/14/2022	RB-E-034-63-221114-00-01 11/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77	76.7	75.3	80.5	77.3	74.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.042 U	0.040 U	0.037 U	0.043 U	0.044 U
Aroclor 1221	SW8082A	0.039 U	0.042 U	0.040 U	0.037 U	0.043 U	0.044 U
Aroclor 1232	SW8082A	0.039 U	0.042 U	0.040 U	0.037 U	0.043 U	0.044 U
Aroclor 1242	SW8082A	0.039 U	0.042 U	0.040 U	0.037 U	0.043 U	0.044 U
Aroclor 1248	SW8082A	0.039 U	0.042 U	0.040 U	0.037 U	0.043 U	0.044 U
Aroclor 1254	SW8082A	0.528	0.285	0.718	1.65	0.711	1.13
Aroclor 1260	SW8082A	2.29	1.23	3.2	8.61	3.24	5.09
Total PCB Aroclors (U = 0 max limit)		2.82	1.52	3.9	10.3	3.95	6.22

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-034-87-221114-00-01 11/14/2022	RB-E-035-05-220914-00-01 9/14/2022	RB-E-035-30-221111-00-01 11/11/2022	RB-E-035-57-220914-00-01 9/14/2022	RB-E-035-86-221111-00-01 11/11/2022	RB-E-036-15-220914-00-01 9/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	19.6	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78.6	81.8	76.8	83.5	81.2	75.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0.51	--
Percent passing (hydrometer 1)	D422	--	--	--	--	16	--
Percent passing (hydrometer 2)	D422	--	--	--	--	4.9	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	43.2	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	96.6	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	99.5	--
Percent passing 50-micron sieve	D422	--	--	--	--	79	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	24.8	--
Percent passing 8.0 micron	D422	--	--	--	--	97.5	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	93.1	--
Percent retained 30-micron sieve	D422	--	--	--	--	86.6	--
Sand	D422	--	--	--	--	74.7	--
Silt	D422	--	--	--	--	24.8	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.039 U	0.043 U	0.039 U	0.039 U	0.041 U
Aroclor 1221	SW8082A	0.038 U	0.039 U	0.043 U	0.039 U	0.039 U	0.041 U
Aroclor 1232	SW8082A	0.038 U	0.039 U	0.043 U	0.039 U	0.039 U	0.041 U
Aroclor 1242	SW8082A	0.038 U	0.039 U	0.043 U	0.039 U	0.039 U	0.041 U
Aroclor 1248	SW8082A	0.038 U	0.039 U	0.043 U	0.039 U	0.039 U	0.041 U
Aroclor 1254	SW8082A	1.32	2.61	2.01 J	2.32	3.47	1.66 J
Aroclor 1260	SW8082A	5.05	10.2	9.43 J	9.6	11.6	7.07 J
Total PCB Aroclors (U = 0 max limit)		6.37	12.8	11.4 J	12	15.1	8.73 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-036-50-221111-00-01 11/11/2022	RB-E-036-77-220914-00-01 9/14/2022	RB-E-037-13-221111-00-01 11/11/2022	RB-E-037-46-220914-00-01 9/14/2022	RB-E-037-73-221111-00-01 11/11/2022	RB-E-038-06-220915-00-01 9/15/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.4	76.5	74.3	76.7	67.1	76.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.042 U	0.044 U	0.041 U	0.047 U	0.043 U
Aroclor 1221	SW8082A	0.048 U	0.042 U	0.044 U	0.041 U	0.047 U	0.043 U
Aroclor 1232	SW8082A	0.048 U	0.042 U	0.044 U	0.041 U	0.047 U	0.043 U
Aroclor 1242	SW8082A	0.048 U	0.042 U	0.044 U	0.041 U	0.047 U	0.043 U
Aroclor 1248	SW8082A	0.048 U	0.042 U	0.044 U	0.041 U	0.047 U	0.043 U
Aroclor 1254	SW8082A	3.08 J	1.79	3.28 J	1.1 J	1.22	0.928
Aroclor 1260	SW8082A	9.29 J	9.51	12.3 J	4.72	4.98	3.32
Total PCB Aroclors (U = 0 max limit)		12.4 J	11.3	15.6 J	5.8 J	6.2	4.25

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-038-37-221111-00-01 11/11/2022	RB-E-038-59-221111-00-01 11/11/2022	RB-E-038-79-220915-00-01 9/15/2022	RB-E-039-04-221111-00-01 11/11/2022	RB-E-039-20-220915-00-01 9/15/2022	RB-E-039-32-221111-00-01 11/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	63.1	58.2	65.1	58.9	64.6	48
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.052 U	0.052 U	0.050 U	0.054 U	0.048 U	0.066 U
Aroclor 1221	SW8082A	0.052 U	0.052 U	0.050 U	0.054 U	0.048 U	0.066 U
Aroclor 1232	SW8082A	0.052 U	0.052 U	0.050 U	0.054 U	0.048 U	0.066 U
Aroclor 1242	SW8082A	0.052 U	0.052 U	0.050 U	0.054 U	0.048 U	0.066 U
Aroclor 1248	SW8082A	0.052 U	0.052 U	0.050 U	0.054 U	0.048 U	0.066 U
Aroclor 1254	SW8082A	1.39 J	1.02	1.43	0.86	0.803	0.773
Aroclor 1260	SW8082A	3.17	3.58	4.61	2.21	2.17	1.97
Total PCB Aroclors (U = 0 max limit)		4.56 J	4.6	6.04	3.1	2.97	2.74

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-039-50-220915-00-01 9/15/2022	RB-E-039-71-221111-00-01 11/11/2022	RB-E-039-92-221111-00-01 11/11/2022	RB-E-040-09-221111-00-01 11/11/2022	RB-E-040-36-221111-00-01 11/11/2022	RB-E-040-59-221111-00-01 11/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.3	76	82.9	77.8	73.7	66.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.041 U	0.038 U	0.040 U	0.041 U	0.045 U
Aroclor 1221	SW8082A	0.042 U	0.041 U	0.038 U	0.040 U	0.041 U	0.045 U
Aroclor 1232	SW8082A	0.042 U	0.041 U	0.038 U	0.040 U	0.041 U	0.045 U
Aroclor 1242	SW8082A	0.042 U	0.041 U	0.038 U	0.040 U	0.041 U	0.045 U
Aroclor 1248	SW8082A	0.042 U	0.041 U	0.038 U	0.040 U	0.041 U	0.045 U
Aroclor 1254	SW8082A	4.67	2.2	2.9 J	2.3	2.28	2.65
Aroclor 1260	SW8082A	15.5	9.6	11.8 J	9.96	9.87	12
Total PCB Aroclors (U = 0 max limit)		20.2	12	15 J	12	12.2	15

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-040-88-220915-00-01 9/15/2022	RB-E-040-88-BD0001 9/15/2022	RB-E-041-17-221111-00-01 11/11/2022	RB-E-041-46-220915-00-01 9/15/2022	RB-E-041-66-221111-00-01 11/11/2022	RB-E-041-92-220915-00-01 9/15/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.7	69.2	61.1	67	54.8	65.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.048 U	0.050 U	0.049 U	0.057 U	0.047 U
Aroclor 1221	SW8082A	0.048 U	0.048 U	0.050 U	0.049 U	0.057 U	0.047 U
Aroclor 1232	SW8082A	0.048 U	0.048 U	0.050 U	0.049 U	0.057 U	0.047 U
Aroclor 1242	SW8082A	0.048 U	0.048 U	0.050 U	0.049 U	0.057 U	0.047 U
Aroclor 1248	SW8082A	0.048 U	0.048 U	0.050 U	0.049 U	0.057 U	0.047 U
Aroclor 1254	SW8082A	1.07	1.48	9.96 J	0.776	0.897 J	0.782
Aroclor 1260	SW8082A	3.62	5.72	36.2	2.52	2.97 J	2.75
Total PCB Aroclors (U = 0 max limit)		4.69	7.2	46.2 J	3.3	3.87 J	3.53

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-042-13-221111-00-01 11/11/2022	RB-E-042-38-220915-00-01 9/15/2022	RB-E-042-62-221111-00-01 11/11/2022	RB-E-042-86-220915-00-01 9/15/2022	RB-E-043-10-221111-00-01 11/11/2022	RB-E-043-10-BD0001 11/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	53.2	--	--	46.1	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.3	68.6	75.9	72.4	66.3	63.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	4	--	--
Percent passing (hydrometer 1)	D422	15	--	--	9	--	--
Percent passing (hydrometer 2)	D422	6	--	--	4	--	--
Percent passing (hydrometer 3)	D422	3	--	--	1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	98.3	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	98.8	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	50.1	--	--	19.1	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	93	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	96	--	--
Percent passing 50-micron sieve	D422	94.9	--	--	66	--	--
Percent passing 75-micron sieve (No. 200)	D422	24.5	--	--	11.4	--	--
Percent passing 8.0 micron	D422	100	--	--	93.6	--	--
Percent retained 16,000-micron sieve	D422	99.9	--	--	91.6	--	--
Percent retained 30-micron sieve	D422	98.4	--	--	87.2	--	--
Sand	D422	75.5	--	--	84.6	--	--
Silt	D422	24.5	--	--	11.4	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.046 U	0.043 U	0.041 U	0.045 U	0.049 U
Aroclor 1221	SW8082A	0.047 U	0.046 U	0.043 U	0.041 U	0.045 U	0.049 U
Aroclor 1232	SW8082A	0.047 U	0.046 U	0.043 U	0.041 U	0.045 U	0.049 U
Aroclor 1242	SW8082A	0.047 U	0.046 U	0.043 U	0.041 U	0.045 U	0.049 U
Aroclor 1248	SW8082A	0.047 U	0.046 U	0.043 U	0.041 U	0.045 U	0.049 U
Aroclor 1254	SW8082A	1.16	5.54	1.97	6.25	2.36	3.6 J
Aroclor 1260	SW8082A	4.49	16.8	8.36	27.2	9.83	11.9 J
Total PCB Aroclors (U = 0 max limit)		5.65	22.3	10.3	33.5	12.2	16 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-043-37-220915-00-01 9/15/2022	RB-E-043-74-221111-00-01 11/11/2022	RB-E-044-03-220915-00-01 9/15/2022	RB-E-044-29-221111-00-01 11/11/2022	RB-E-044-57-220915-00-01 9/15/2022	RB-E-044-85-221111-00-01 11/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	56.3
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78.4	56.5	73.2	76.1	69.4	65.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	11
Percent passing (hydrometer 2)	D422	--	--	--	--	--	3.1
Percent passing (hydrometer 3)	D422	--	--	--	--	--	3.1
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	32.3
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	79.7
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	19.2
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.5
Percent retained 30-micron sieve	D422	--	--	--	--	--	96.5
Sand	D422	--	--	--	--	--	80.8
Silt	D422	--	--	--	--	--	19.2
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.053 U	0.045 U	0.041 U	0.044 U	0.047 U
Aroclor 1221	SW8082A	0.040 U	0.053 U	0.045 U	0.041 U	0.044 U	0.047 U
Aroclor 1232	SW8082A	0.040 U	0.053 U	0.045 U	0.041 U	0.044 U	0.047 U
Aroclor 1242	SW8082A	0.040 U	0.053 U	0.045 U	0.041 U	0.044 U	0.047 U
Aroclor 1248	SW8082A	0.040 U	0.053 U	0.045 U	0.041 U	0.044 U	0.047 U
Aroclor 1254	SW8082A	0.826	3.86 J	6.86	0.547	2.97	0.37
Aroclor 1260	SW8082A	3.54	16 J	37.3	3.82	10.8	2.26
Total PCB Aroclors (U = 0 max limit)		4.37	20 J	44.2	4.37	13.8	2.6

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-045-09-220915-00-01 9/15/2022	RB-E-045-36-221111-00-01 11/11/2022	RB-E-045-60-220915-00-01 9/15/2022	RB-E-045-80-221111-00-01 11/11/2022	RB-E-046-09-220915-00-01 9/15/2022	RB-E-046-32-221111-00-01 11/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	52	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.9	69.4	62.2	58.5	59.4	65.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0.17	--	--	--	--	--
Percent passing (hydrometer 1)	D422	18	--	--	--	--	--
Percent passing (hydrometer 2)	D422	6	--	--	--	--	--
Percent passing (hydrometer 3)	D422	3	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	45	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	99.7	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	99.8	--	--	--	--	--
Percent passing 50-micron sieve	D422	90.9	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	29.2	--	--	--	--	--
Percent passing 8.0 micron	D422	99.8	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	99.6	--	--	--	--	--
Percent retained 30-micron sieve	D422	98.2	--	--	--	--	--
Sand	D422	70.6	--	--	--	--	--
Silt	D422	29.2	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.043 U	0.048 U	0.052 U	0.056 U	0.047 U
Aroclor 1221	SW8082A	0.045 U	0.043 U	0.048 U	0.052 U	0.056 U	0.047 U
Aroclor 1232	SW8082A	0.045 U	0.043 U	0.048 U	0.052 U	0.056 U	0.047 U
Aroclor 1242	SW8082A	0.045 U	0.043 U	0.048 U	0.052 U	0.056 U	0.047 U
Aroclor 1248	SW8082A	0.045 U	0.043 U	0.048 U	0.052 U	0.056 U	0.047 U
Aroclor 1254	SW8082A	0.971	0.765	0.963	1.2	2.34	1.45
Aroclor 1260	SW8082A	3.01	4.91	2.74	8.14	7.13	7.56
Total PCB Aroclors (U = 0 max limit)		3.98	5.68	3.7	9.3	9.47	9.01

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-046-54-220915-00-01 9/15/2022	RB-E-046-78-221111-00-01 11/11/2022	RB-E-047-05-221111-00-01 11/11/2022	RB-E-047-32-220916-00-01 9/16/2022	RB-E-047-56-221111-00-01 11/11/2022	RB-E-047-82-220916-00-01 9/16/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	65.8	67.6	71.3	62.8	58.2	64.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.046 U	0.043 U	0.051 U	0.056 U	0.051 U
Aroclor 1221	SW8082A	0.046 U	0.046 U	0.043 U	0.051 U	0.056 U	0.051 U
Aroclor 1232	SW8082A	0.046 U	0.046 U	0.043 U	0.051 U	0.056 U	0.051 U
Aroclor 1242	SW8082A	0.046 U	0.046 U	0.043 U	0.051 U	0.056 U	0.051 U
Aroclor 1248	SW8082A	0.046 U	0.046 U	0.043 U	0.051 U	0.056 U	0.051 U
Aroclor 1254	SW8082A	3.31	2.11	3.8 J	2.09	4.1	2.02
Aroclor 1260	SW8082A	9.71	11.6	29.9	5.32	22.6	6.49
Total PCB Aroclors (U = 0 max limit)		13	13.7	34 J	7.41	27	8.51

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-048-06-221111-00-01 11/11/2022	RB-E-048-82-220916-00-01 9/16/2022	RB-E-049-08-230420-00-01 4/20/2023	RB-E-049-33-220916-00-01 9/16/2022	RB-E-049-65-230420-00-01 4/20/2023	RB-E-049-84-220916-00-01 9/16/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60.3	62.7	79.3	72.1	78.8	72.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.054 U	0.050 U	0.025 U	0.042 U	0.025 U	0.041 U
Aroclor 1221	SW8082A	0.054 U	0.050 U	0.025 U	0.042 U	0.025 U	0.041 U
Aroclor 1232	SW8082A	0.054 U	0.050 U	0.025 U	0.042 U	0.025 U	0.041 U
Aroclor 1242	SW8082A	0.054 U	0.050 U	0.025 U	0.042 U	0.025 U	0.041 U
Aroclor 1248	SW8082A	0.054 U	0.050 U	0.025 U	0.042 U	0.025 U	0.041 U
Aroclor 1254	SW8082A	1.56	1.78	0.025 U	1.1	0.025 U	3.23
Aroclor 1260	SW8082A	9.12	5.1	0.0371	4.06	0.025 U	6.6
Total PCB Aroclors (U = 0 max limit)		10.7	6.9	0.0371	5.2	0.0054 U	9.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-050-20-230420-00-01 4/20/2023	RB-E-050-46-220916-00-01 9/16/2022	RB-E-050-73-230420-00-01 4/20/2023	RB-E-050-96-220916-00-01 9/16/2022	RB-E-051-20-230420-00-01 4/20/2023	RB-E-051-41-220916-00-01 9/16/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	47.5	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.3	68	65.7	65.8	74.2	66.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0.36	--	--
Percent passing (hydrometer 1)	D422	--	--	--	24	--	--
Percent passing (hydrometer 2)	D422	--	--	--	10	--	--
Percent passing (hydrometer 3)	D422	--	--	--	1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	60.9	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	99.6	--	--
Percent passing 50-micron sieve	D422	--	--	--	94.3	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	45.7	--	--
Percent passing 8.0 micron	D422	--	--	--	99.1	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	98.6	--	--
Percent retained 30-micron sieve	D422	--	--	--	97.4	--	--
Sand	D422	--	--	--	53.9	--	--
Silt	D422	--	--	--	45.7	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.045 U	0.030 U	0.049 U	0.026 U	0.049 U
Aroclor 1221	SW8082A	0.026 U	0.045 U	0.030 U	0.049 U	0.026 U	0.049 U
Aroclor 1232	SW8082A	0.026 U	0.045 U	0.030 U	0.049 U	0.026 U	0.049 U
Aroclor 1242	SW8082A	0.026 U	0.045 U	0.030 U	0.049 U	0.026 U	0.049 U
Aroclor 1248	SW8082A	0.026 U	0.045 U	0.030 U	0.049 U	0.026 U	0.049 U
Aroclor 1254	SW8082A	0.026 U	1.08	0.030 U	1.32	0.026 U	1.1
Aroclor 1260	SW8082A	1.56	3.35	1.18	3.91	0.576	3.17
Total PCB Aroclors (U = 0 max limit)		1.56	4.43	1.18	5.23	0.576	4.3

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-051-69-230420-00-01 4/20/2023	RB-E-051-88-220916-00-01 9/16/2022	RB-E-052-14-230420-00-01 4/20/2023	RB-E-052-44-220916-00-01 9/16/2022	RB-E-052-61-230420-00-01 4/20/2023	RB-E-052-85-220916-00-01 9/16/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.6	66	70.9	68.9	71.7	74.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.028 U	0.047 U	0.028 U	0.045 U	0.027 U	0.042 U
Aroclor 1221	SW8082A	0.028 U	0.047 U	0.028 U	0.045 U	0.027 U	0.042 U
Aroclor 1232	SW8082A	0.028 U	0.047 U	0.028 U	0.045 U	0.027 U	0.042 U
Aroclor 1242	SW8082A	0.028 U	0.047 U	0.028 U	0.045 U	0.027 U	0.042 U
Aroclor 1248	SW8082A	0.028 U	0.047 U	0.028 U	0.045 U	0.027 U	0.042 U
Aroclor 1254	SW8082A	0.028 U	1.2	0.028 U	3.25	0.027 U	1.48
Aroclor 1260	SW8082A	1.41	3.61	1.28	8.57	0.0638	3.07
Total PCB Aroclors (U = 0 max limit)		1.41	4.8	1.28	11.8	0.0638	4.55

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-053-01-230420-00-01 4/20/2023	RB-E-053-24-230420-00-01 4/20/2023	RB-E-053-38-230420-00-01 4/20/2023	RB-E-053-59-230420-00-01 4/20/2023	RB-E-053-77-230420-00-01 4/20/2023	RB-E-053-96-230420-00-01 4/20/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.4	73.2	73.8	59.1	76.5	66.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.027 U	0.027 U	0.033 U	0.026 U	0.030 U
Aroclor 1221	SW8082A	0.027 U	0.027 U	0.027 U	0.033 U	0.026 U	0.030 U
Aroclor 1232	SW8082A	0.027 U	0.027 U	0.027 U	0.033 U	0.026 U	0.030 U
Aroclor 1242	SW8082A	0.027 U	0.027 U	0.027 U	0.033 U	0.026 U	0.030 U
Aroclor 1248	SW8082A	0.027 U	0.027 U	0.027 U	0.033 U	0.026 U	0.030 U
Aroclor 1254	SW8082A	0.027 U	0.027 U	0.027 U	0.033 U	0.026 U	0.030 U
Aroclor 1260	SW8082A	0.243	0.893	0.0371	0.255	0.569	0.0068 J
Total PCB Aroclors (U = 0 max limit)		0.243	0.893	0.0371	0.255	0.569	0.0068 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-054-08-230420-00-01 4/20/2023	RB-E-054-29-230420-00-01 4/20/2023	RB-E-054-29-BD0001 4/20/2023	RB-E-054-50-230420-00-01 4/20/2023	RB-E-054-74-230420-00-01 4/20/2023	RB-E-054-95-230420-00-01 4/20/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	33.6	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.5	71.5	47	64.6	67.6	73.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	1.4	--	--	--	--	--
Percent passing (hydrometer 1)	D422	15	--	--	--	--	--
Percent passing (hydrometer 2)	D422	5	--	--	--	--	--
Percent passing (hydrometer 3)	D422	3	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	99.2	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	34	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	98.2	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	98.6	--	--	--	--	--
Percent passing 50-micron sieve	D422	68.1	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	23.8	--	--	--	--	--
Percent passing 8.0 micron	D422	98.4	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	96.8	--	--	--	--	--
Percent retained 30-micron sieve	D422	90.5	--	--	--	--	--
Sand	D422	75	--	--	--	--	--
Silt	D422	24	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.028 U	0.028 U	0.042 U	0.030 U	0.029 U	0.027 U
Aroclor 1221	SW8082A	0.028 U	0.028 U	0.042 U	0.030 U	0.029 U	0.027 U
Aroclor 1232	SW8082A	0.028 U	0.028 U	0.042 U	0.030 U	0.029 U	0.027 U
Aroclor 1242	SW8082A	0.028 U	0.028 U	0.042 U	0.030 U	0.029 U	0.027 U
Aroclor 1248	SW8082A	0.028 U	0.028 U	0.042 U	0.030 U	0.029 U	0.027 U
Aroclor 1254	SW8082A	0.028 U	0.028 U	0.042 U	0.030 U	0.029 U	0.027 U
Aroclor 1260	SW8082A	1.43	1.31	1.12	1.21	1.65	1.14
Total PCB Aroclors (U = 0 max limit)		1.43	1.31	1.12	1.21	1.65	1.14

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-055-19-230420-00-01 4/20/2023	RB-E-055-42-230420-00-01 4/20/2023	RB-E-055-64-230420-00-01 4/20/2023	RB-E-055-94-230420-00-01 4/20/2023	RB-E-056-18-230420-00-01 4/20/2023	RB-E-057-06-230419-00-01 4/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	33.6	--	--	--	34.6
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64.8	68	72	68.5	69.9	75.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	16	--	--	--	0
Percent passing (hydrometer 1)	D422	--	17	--	--	--	16
Percent passing (hydrometer 2)	D422	--	5.6	--	--	--	4
Percent passing (hydrometer 3)	D422	--	4	--	--	--	1.1
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	86.9	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	90.5	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	98.1	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	29.6	--	--	--	49.2
Percent passing 2000-micron sieve (No. 10)	D422	--	80	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	84.3	--	--	--	100
Percent passing 50-micron sieve	D422	--	61.6	--	--	--	93.9
Percent passing 75-micron sieve (No. 200)	D422	--	22.5	--	--	--	27.1
Percent passing 8.0 micron	D422	--	81.5	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	77.8	--	--	--	99.9
Percent retained 30-micron sieve	D422	--	69.2	--	--	--	98.2
Sand	D422	--	62	--	--	--	73
Silt	D422	--	22	--	--	--	27
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.031 U	0.029 U	0.027 U	0.029 U	0.029 U	0.026 U
Aroclor 1221	SW8082A	0.031 U	0.029 U	0.027 U	0.029 U	0.029 U	0.026 U
Aroclor 1232	SW8082A	0.031 U	0.029 U	0.027 U	0.029 U	0.029 U	0.026 U
Aroclor 1242	SW8082A	0.031 U	0.029 U	0.027 U	0.029 U	0.029 U	0.026 U
Aroclor 1248	SW8082A	0.031 U	0.029 U	0.027 U	0.029 U	0.029 U	0.026 U
Aroclor 1254	SW8082A	0.031 U	0.029 U	0.027 U	0.029 U	0.029 U	0.026 U
Aroclor 1260	SW8082A	1.8	7.48	4.79	9.23	4.01	2.55
Total PCB Aroclors (U = 0 max limit)		1.8	7.48	4.79	9.23	4.01	2.55

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-057-32-230419-00-01 4/19/2023	RB-E-057-51-230419-00-01 4/19/2023	RB-E-057-77-220916-00-01 9/16/2022	RB-E-057-77-BD0001 9/16/2022	RB-E-058-04-230419-00-01 4/19/2023	RB-E-058-28-230419-00-01 4/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.7	74.3	87.3	85	73.6	84.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.028 U	0.026 U	0.036 U	0.035 U	0.026 U	0.024 U
Aroclor 1221	SW8082A	0.028 U	0.026 U	0.036 U	0.035 U	0.026 U	0.024 U
Aroclor 1232	SW8082A	0.028 U	0.026 U	0.036 U	0.035 U	0.026 U	0.024 U
Aroclor 1242	SW8082A	0.028 U	0.026 U	0.036 U	0.035 U	0.026 U	0.024 U
Aroclor 1248	SW8082A	0.028 U	0.026 U	0.036 U	0.035 U	0.026 U	0.024 U
Aroclor 1254	SW8082A	0.028 U	0.026 U	0.376	0.53	0.026 U	0.024 U
Aroclor 1260	SW8082A	3.98	6.15	1.64	2.45	4.32	5.19
Total PCB Aroclors (U = 0 max limit)		3.98	6.15	2.02	3	4.32	5.19

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-058-57-230419-00-01 4/19/2023	RB-E-058-80-220916-00-01 9/16/2022	RB-E-059-03-230419-00-01 4/19/2023	RB-E-059-27-230419-00-01 4/19/2023	RB-E-059-50-230419-00-01 4/19/2023	RB-E-059-79-230419-00-01 4/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	57.9	--	--	50.2	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.5	62.2	76	75	67.4	52.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0.03	--	--	0	--
Percent passing (hydrometer 1)	D422	--	22	--	--	20	--
Percent passing (hydrometer 2)	D422	--	6	--	--	8	--
Percent passing (hydrometer 3)	D422	--	3	--	--	3.2	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	60.4	--	--	56.3	--
Percent passing 2000-micron sieve (No. 10)	D422	--	99.9	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	100	--
Percent passing 50-micron sieve	D422	--	94.9	--	--	94	--
Percent passing 75-micron sieve (No. 200)	D422	--	39.6	--	--	33.2	--
Percent passing 8.0 micron	D422	--	100	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	99.8	--	--	100	--
Percent retained 30-micron sieve	D422	--	98.6	--	--	97.7	--
Sand	D422	--	60.4	--	--	67	--
Silt	D422	--	39.6	--	--	33	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.048 U	0.026 U	0.025 U	0.030 U	0.037 U
Aroclor 1221	SW8082A	0.026 U	0.048 U	0.026 U	0.025 U	0.030 U	0.037 U
Aroclor 1232	SW8082A	0.026 U	0.048 U	0.026 U	0.025 U	0.030 U	0.037 U
Aroclor 1242	SW8082A	0.026 U	0.048 U	0.026 U	0.025 U	0.030 U	0.037 U
Aroclor 1248	SW8082A	0.026 U	0.048 U	0.026 U	0.025 U	0.030 U	0.037 U
Aroclor 1254	SW8082A	0.026 U	0.801	0.026 U	0.025 U	0.030 U	0.037 U
Aroclor 1260	SW8082A	2.36	2.91	3.44	2.74	1.36	1.29
Total PCB Aroclors (U = 0 max limit)		2.36	3.71	3.44	2.74	1.36	1.29

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-060-01-220912-00-01 9/12/2022	RB-E-060-22-230419-00-01 4/19/2023	RB-E-060-41-220919-00-01 9/19/2022	RB-E-060-63-230419-00-01 4/19/2023	RB-E-060-63-BD0001 4/19/2023	RB-E-060-86-220919-00-01 9/19/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.1	80.6	56.8	80.1	74.4	55.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.049 U	0.022 U	0.056 U	0.024 U	0.026 U	0.054 U
Aroclor 1221	SW8082A	0.049 U	0.022 U	0.056 U	0.024 U	0.026 U	0.054 U
Aroclor 1232	SW8082A	0.049 U	0.022 U	0.056 U	0.024 U	0.026 U	0.054 U
Aroclor 1242	SW8082A	0.049 U	0.022 U	0.056 U	0.024 U	0.026 U	0.054 U
Aroclor 1248	SW8082A	0.049 U	0.022 U	0.056 U	0.024 U	0.026 U	0.054 U
Aroclor 1254	SW8082A	0.675	0.022 U	0.626	0.024 U	0.026 U	0.807
Aroclor 1260	SW8082A	2.21	1.12	1.7	8.29	6.41	1.92
Total PCB Aroclors (U = 0 max limit)		2.89	1.12	2.3	8.29	6.41	2.73

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-061-09-230419-00-01 4/19/2023	RB-E-061-34-220919-00-01 9/19/2022	RB-E-061-54-230419-00-01 4/19/2023	RB-E-061-81-220919-00-01 9/19/2022	RB-E-062-05-230419-00-01 4/19/2023	RB-E-062-27-220919-00-01 9/19/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	1.8	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	32.6	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	73.5	67.8	79.9	69.2	83.3	71.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	54	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	25	--	--	--	--	--
Percent passing (hydrometer 2)	D422	9.1	--	--	--	--	--
Percent passing (hydrometer 3)	D422	5.1	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	50.6	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	90	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	38.2	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	100	--	--	--	--	--
Percent retained 30-micron sieve	D422	97	--	--	--	--	--
Sand	D422	62	--	--	--	--	--
Silt	D422	38	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.049 U	0.024 U	0.045 U	0.024 U	0.041 U
Aroclor 1221	SW8082A	0.026 U	0.049 U	0.024 U	0.045 U	0.024 U	0.041 U
Aroclor 1232	SW8082A	0.026 U	0.049 U	0.024 U	0.045 U	0.024 U	0.041 U
Aroclor 1242	SW8082A	0.026 U	0.049 U	0.024 U	0.045 U	0.024 U	0.041 U
Aroclor 1248	SW8082A	0.026 U	0.049 U	0.024 U	0.045 UJ	0.024 U	0.041 U
Aroclor 1254	SW8082A	0.026 U	0.415	0.024 U	0.293 J	0.024 U	2.76
Aroclor 1260	SW8082A	4.17	1.48	5.52	0.855	8.2	8.29
Total PCB Aroclors (U = 0 max limit)		4.17	1.9	5.52	1.15 J	8.2	11.1

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-062-47-230419-00-01 4/19/2023	RB-E-062-73-220919-00-01 9/19/2022	RB-E-062-96-230419-00-01 4/19/2023	RB-E-063-22-220919-00-01 9/19/2022	RB-E-063-46-230419-00-01 4/19/2023	RB-E-063-70-220919-00-01 9/19/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	52.8
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	89.3	70.6	79.8	66.3	70.7	69.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	26
Percent passing (hydrometer 2)	D422	--	--	--	--	--	9
Percent passing (hydrometer 3)	D422	--	--	--	--	--	5
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	66.3
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	99.9
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	96
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	38.7
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.9
Percent retained 30-micron sieve	D422	--	--	--	--	--	98.9
Sand	D422	--	--	--	--	--	61.3
Silt	D422	--	--	--	--	--	38.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.020 U	0.047 U	0.024 U	0.047 U	0.025 U	0.047 U
Aroclor 1221	SW8082A	0.020 U	0.047 U	0.024 U	0.047 U	0.025 U	0.047 U
Aroclor 1232	SW8082A	0.020 U	0.047 U	0.024 U	0.047 U	0.025 U	0.047 U
Aroclor 1242	SW8082A	0.020 U	0.047 U	0.024 U	0.047 U	0.025 U	0.047 U
Aroclor 1248	SW8082A	0.020 U	0.047 U	0.024 U	0.047 U	0.025 U	0.047 U
Aroclor 1254	SW8082A	0.020 U	0.048	0.024 U	0.349	0.025 U	1.04
Aroclor 1260	SW8082A	6.86	0.132	7.53	0.941	2.7	3.43
Total PCB Aroclors (U = 0 max limit)		6.86	0.18	7.53	1.29	2.7	4.47

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-063-90-230419-00-01 4/19/2023	RB-E-064-16-220919-00-01 9/19/2022	RB-E-064-16-BD0001 9/19/2022	RB-E-064-43-230419-00-01 4/19/2023	RB-E-064-70-220919-00-01 9/19/2022	RB-E-064-96-230419-00-01 4/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68	75.1	76.1	70.5	63.4	72
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.029 U	0.042 U	0.039 U	0.026 U	0.052 U	0.025 U
Aroclor 1221	SW8082A	0.029 U	0.042 U	0.039 U	0.026 U	0.052 U	0.025 U
Aroclor 1232	SW8082A	0.029 U	0.042 U	0.039 U	0.026 U	0.052 U	0.025 U
Aroclor 1242	SW8082A	0.029 U	0.042 U	0.039 U	0.026 U	0.052 U	0.025 U
Aroclor 1248	SW8082A	0.029 U	0.042 U	0.039 U	0.026 U	0.052 U	0.025 U
Aroclor 1254	SW8082A	0.029 U	2.38	3	0.026 U	0.964	0.025 U
Aroclor 1260	SW8082A	1.76	5.82	7.74	5.75	4.24	1.23
Total PCB Aroclors (U = 0 max limit)		1.76	8.2	11	5.75	5.2	1.23

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-065-23-220919-00-01 9/19/2022	RB-E-065-44-230419-00-01 4/19/2023	RB-E-065-68-220919-00-01 9/19/2022	RB-E-065-91-221114-00-01 11/14/2022	RB-E-066-10-220919-00-01 9/19/2022	RB-E-066-32-221114-00-01 11/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	63.8	56.6	60.7	64.5	57.2	67.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.033 U	0.053 U	0.051 U	0.057 U	0.046 U
Aroclor 1221	SW8082A	0.046 U	0.033 U	0.053 U	0.051 U	0.057 U	0.046 U
Aroclor 1232	SW8082A	0.046 U	0.033 U	0.053 U	0.051 U	0.057 U	0.046 U
Aroclor 1242	SW8082A	0.046 U	0.033 U	0.053 U	0.051 U	0.057 U	0.046 U
Aroclor 1248	SW8082A	0.046 U	0.033 U	0.053 U	0.051 U	0.057 U	0.046 U
Aroclor 1254	SW8082A	0.627	0.033 U	0.619	0.718	0.599	0.618
Aroclor 1260	SW8082A	1.75	0.344	1.39	2.51	2.19	1.85
Total PCB Aroclors (U = 0 max limit)		2.38	0.344	2.01	3.23	2.79	2.47

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-066-48-220919-00-01 9/19/2022	RB-E-066-67-221114-00-01 11/14/2022	RB-E-066-81-221114-00-01 11/14/2022	RB-E-067-08-221114-00-01 11/14/2022	RB-E-067-38-220919-00-01 9/19/2022	RB-E-067-64-221114-00-01 11/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	65.3	77.2	78.7	81.1	72.6	67.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.042 U	0.042 U	0.037 U	0.044 U	0.046 U
Aroclor 1221	SW8082A	0.045 U	0.042 U	0.042 U	0.037 U	0.044 U	0.046 U
Aroclor 1232	SW8082A	0.045 U	0.042 U	0.042 U	0.037 U	0.044 U	0.046 U
Aroclor 1242	SW8082A	0.045 U	0.042 U	0.042 U	0.037 U	0.044 U	0.046 U
Aroclor 1248	SW8082A	0.045 U	0.042 U	0.042 U	0.037 U	0.044 U	0.046 U
Aroclor 1254	SW8082A	0.561	0.894	0.799	0.661	1.66	1.84
Aroclor 1260	SW8082A	1.44	4.48	3.63	2.96	6.83	7.06
Total PCB Aroclors (U = 0 max limit)		2	5.37	4.43	3.62	8.49	8.9

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-067-92-220919-00-01 9/19/2022	RB-E-068-18-221114-00-01 11/14/2022	RB-E-068-42-220919-00-01 9/19/2022	RB-E-068-67-221114-00-01 11/14/2022	RB-E-068-93-220919-00-01 9/19/2022	RB-E-069-16-221114-00-01 11/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.1	71.6	61.9	73.2	64.2	69.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.044 U	0.048 U	0.045 U	0.047 U	0.047 U
Aroclor 1221	SW8082A	0.045 U	0.044 U	0.048 U	0.045 U	0.047 U	0.047 U
Aroclor 1232	SW8082A	0.045 U	0.044 U	0.048 U	0.045 U	0.047 U	0.047 U
Aroclor 1242	SW8082A	0.045 U	0.044 U	0.048 U	0.045 U	0.047 U	0.047 U
Aroclor 1248	SW8082A	0.045 U	0.044 U	0.048 U	0.045 U	0.047 U	0.047 U
Aroclor 1254	SW8082A	2.61	0.784	0.732	2.32	0.891	3.91 J
Aroclor 1260	SW8082A	9.19	3.61	2.43	12.6	2.75	15.9 J
Total PCB Aroclors (U = 0 max limit)		11.8	4.39	3.16	14.9	3.64	19.8 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-069-45-220919-00-01 9/19/2022	RB-E-069-68-221114-00-01 11/14/2022	RB-E-069-94-220919-00-01 9/19/2022	RB-E-070-17-221114-00-01 11/14/2022	RB-E-070-17-BD0001 11/14/2022	RB-E-070-48-220919-00-01 9/19/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	37.2	50	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	58.3	73	65.1	72.2	73.3	73.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	0.03	--	--	--
Percent passing (hydrometer 1)	D422	--	30	24	--	--	--
Percent passing (hydrometer 2)	D422	--	11	10	--	--	--
Percent passing (hydrometer 3)	D422	--	4.9	6	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	54.6	56.2	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	99.8	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	100	--	--	--
Percent passing 50-micron sieve	D422	--	87.2	95.8	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	44	38	--	--	--
Percent passing 8.0 micron	D422	--	100	99.9	--	--	--
Percent retained 16,000-micron sieve	D422	--	100	99.8	--	--	--
Percent retained 30-micron sieve	D422	--	97.1	98.8	--	--	--
Sand	D422	--	56	62	--	--	--
Silt	D422	--	44	38	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.044 U	0.045 U	0.044 U	0.044 U	0.042 U
Aroclor 1221	SW8082A	0.051 U	0.044 U	0.045 U	0.044 U	0.044 U	0.042 U
Aroclor 1232	SW8082A	0.051 U	0.044 U	0.045 U	0.044 U	0.044 U	0.042 U
Aroclor 1242	SW8082A	0.051 U	0.044 U	0.045 U	0.044 U	0.044 U	0.042 U
Aroclor 1248	SW8082A	0.051 U	0.044 U	0.045 U	0.044 U	0.044 U	0.042 U
Aroclor 1254	SW8082A	0.947	5 J	3.26	1.76 J	1.76 J	2.72
Aroclor 1260	SW8082A	2.53	23 J	11.3	6.89 J	7.59 J	11.1
Total PCB Aroclors (U = 0 max limit)		3.48	28 J	14.6	8.65 J	9.35 J	13.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-070-73-230414-00-01 4/14/2023	RB-E-070-93-220920-00-01 9/20/2022	RB-E-071-24-230414-00-01 4/14/2023	RB-E-071-49-220920-00-01 9/20/2022	RB-E-071-72-230414-00-01 4/14/2023	RB-E-071-92-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	73.7	65.2	69.9	60.8	69.3	75.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.050 U	0.028 U	0.054 U	0.028 U	0.043 U
Aroclor 1221	SW8082A	0.027 U	0.050 U	0.028 U	0.054 U	0.028 U	0.043 U
Aroclor 1232	SW8082A	0.027 U	0.050 U	0.028 U	0.054 U	0.028 U	0.043 U
Aroclor 1242	SW8082A	0.027 U	0.050 U	0.028 U	0.054 U	0.028 U	0.043 U
Aroclor 1248	SW8082A	0.027 U	0.050 U	0.028 U	0.054 U	0.028 U	0.043 U
Aroclor 1254	SW8082A	0.027 U	0.954	0.028 U	1.12	0.028 U	2.65
Aroclor 1260	SW8082A	17	3.67	6.24	3.82	9.24	14.5
Total PCB Aroclors (U = 0 max limit)		17	4.62	6.24	4.94	9.24	17.2

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-072-19-230414-00-01 4/14/2023	RB-E-072-46-230414-00-01 4/14/2023	RB-E-072-72-230414-00-01 4/14/2023	RB-E-072-93-220920-00-01 9/20/2022	RB-E-073-18-230414-00-01 4/14/2023	RB-E-073-43-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	39.1	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.3	76.4	70.8	57.7	84.6	69.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	22	--	--	--
Percent passing (hydrometer 2)	D422	--	--	6	--	--	--
Percent passing (hydrometer 3)	D422	--	--	1.1	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	43.5	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	89.4	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	25	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	96.8	--	--	--
Sand	D422	--	--	75	--	--	--
Silt	D422	--	--	25	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.026 U	0.028 U	0.052 U	0.023 U	0.044 U
Aroclor 1221	SW8082A	0.025 U	0.026 U	0.028 U	0.052 U	0.023 U	0.044 U
Aroclor 1232	SW8082A	0.025 U	0.026 U	0.028 U	0.052 U	0.023 U	0.044 U
Aroclor 1242	SW8082A	0.025 U	0.026 U	0.028 U	0.052 U	0.023 U	0.044 U
Aroclor 1248	SW8082A	0.025 U	0.026 U	0.028 U	0.052 U	0.023 U	0.044 U
Aroclor 1254	SW8082A	0.025 U	0.026 U	0.028 U	5.81	0.023 U	2.14
Aroclor 1260	SW8082A	11.3	4.81	8.34	16.8	8.6	10
Total PCB Aroclors (U = 0 max limit)		11.3	4.81	8.34	22.6	8.6	12

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-073-66-230414-00-01 4/14/2023	RB-E-073-95-220920-00-01 9/20/2022	RB-E-074-16-230414-00-01 4/14/2023	RB-E-074-16-BD0001 4/14/2023	RB-E-074-41-220920-00-01 9/20/2022	RB-E-074-65-230414-00-01 4/14/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	84	57.4	80.5	80.7	66.2	85.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.057 U	0.024 U	0.024 U	0.050 U	0.023 U
Aroclor 1221	SW8082A	0.023 U	0.057 U	0.024 U	0.024 U	0.050 U	0.023 U
Aroclor 1232	SW8082A	0.023 U	0.057 U	0.024 U	0.024 U	0.050 U	0.023 U
Aroclor 1242	SW8082A	0.023 U	0.057 U	0.024 U	0.024 U	0.050 U	0.023 U
Aroclor 1248	SW8082A	0.023 U	0.057 U	0.024 U	0.024 U	0.050 U	0.023 U
Aroclor 1254	SW8082A	0.023 U	0.8	0.024 U	0.024 U	2.6	0.023 U
Aroclor 1260	SW8082A	12.9	3.06	9.08	8.85	9.62	5.91
Total PCB Aroclors (U = 0 max limit)		12.9	3.9	9.08	8.85	12	5.91

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-074-89-220920-00-01 9/20/2022	RB-E-075-14-230414-00-01 4/14/2023	RB-E-075-38-220920-00-01 9/20/2022	RB-E-075-60-230414-00-01 4/14/2023	RB-E-075-86-220920-00-01 9/20/2022	RB-E-076-05-230414-00-01 4/14/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	49.1	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	61.6	77.5	67.4	84.2	62	86.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0.01	--	--	--	--	--
Percent passing (hydrometer 1)	D422	28	--	--	--	--	--
Percent passing (hydrometer 2)	D422	10	--	--	--	--	--
Percent passing (hydrometer 3)	D422	6	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	62.3	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	95	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	44.9	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	97.4	--	--	--	--	--
Percent retained 30-micron sieve	D422	96.8	--	--	--	--	--
Sand	D422	55.1	--	--	--	--	--
Silt	D422	44.9	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.052 U	0.025 U	0.047 U	0.023 U	0.052 U	0.023 U
Aroclor 1221	SW8082A	0.052 U	0.025 U	0.047 U	0.023 U	0.052 U	0.023 U
Aroclor 1232	SW8082A	0.052 U	0.025 U	0.047 U	0.023 U	0.052 U	0.023 U
Aroclor 1242	SW8082A	0.052 U	0.025 U	0.047 U	0.023 U	0.052 U	0.023 U
Aroclor 1248	SW8082A	0.052 U	0.025 U	0.047 U	0.023 U	0.052 U	0.023 U
Aroclor 1254	SW8082A	1.06	0.025 U	2.53	0.023 U	0.396	0.023 U
Aroclor 1260	SW8082A	4.03	12.4	7.28	11.6	1.17	24.6
Total PCB Aroclors (U = 0 max limit)		5.09	12.4	9.81	11.6	1.57	24.6

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-076-27-220920-00-01 9/20/2022	RB-E-076-51-230414-00-01 4/14/2023	RB-E-076-75-220920-00-01 9/20/2022	RB-E-077-00-230414-00-01 4/14/2023	RB-E-077-32-220920-00-01 9/20/2022	RB-E-077-55-230414-00-01 4/14/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.5	71.5	66.5	79.2	59.3	78.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.027 U	0.048 U	0.025 U	0.055 U	0.025 U
Aroclor 1221	SW8082A	0.048 U	0.027 U	0.048 U	0.025 U	0.055 U	0.025 U
Aroclor 1232	SW8082A	0.048 U	0.027 U	0.048 U	0.025 U	0.055 U	0.025 U
Aroclor 1242	SW8082A	0.048 U	0.027 U	0.048 U	0.025 U	0.055 U	0.025 U
Aroclor 1248	SW8082A	0.048 U	0.027 U	0.048 U	0.025 U	0.055 U	0.025 U
Aroclor 1254	SW8082A	0.914	0.027 U	0.733	0.025 U	0.824	0.025 U
Aroclor 1260	SW8082A	3.6	4.47	2.47	7	2.47	7.23
Total PCB Aroclors (U = 0 max limit)		4.5	4.47	3.2	7	3.29	7.23

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-077-78-220920-00-01 9/20/2022	RB-E-078-05-230414-00-01 4/14/2023	RB-E-078-29-220920-00-01 9/20/2022	RB-E-078-56-230414-00-01 4/14/2023	RB-E-078-84-220920-00-01 9/20/2022	RB-E-078-84-BD0001 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64.1	66.3	64.6	68.9	72.6	57.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.049 U	0.030 U	0.050 U	0.029 U	0.041 U	0.056 U
Aroclor 1221	SW8082A	0.049 U	0.030 U	0.050 U	0.029 U	0.041 U	0.056 U
Aroclor 1232	SW8082A	0.049 U	0.030 U	0.050 U	0.029 U	0.041 U	0.056 U
Aroclor 1242	SW8082A	0.049 U	0.030 U	0.050 U	0.029 U	0.041 U	0.056 U
Aroclor 1248	SW8082A	0.049 U	0.030 U	0.050 U	0.029 U	0.041 U	0.056 U
Aroclor 1254	SW8082A	0.715	0.030 U	1.76	0.029 U	2.96	2.86
Aroclor 1260	SW8082A	2.46	2.73	5.41	3.49	13.3 J	7.4 J
Total PCB Aroclors (U = 0 max limit)		3.18	2.73	7.17	3.49	16.3 J	10 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-079-15-230414-00-01 4/14/2023	RB-E-079-55-220920-00-01 9/20/2022	RB-E-079-86-230414-00-01 4/14/2023	RB-E-080-20-220920-00-01 9/20/2022	RB-E-080-41-230414-00-01 4/14/2023	RB-E-080-65-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	61	44.7	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	65.6	70.5	59.3	57	75.3	72.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	0.01	--	--
Percent passing (hydrometer 1)	D422	--	--	19	26	--	--
Percent passing (hydrometer 2)	D422	--	--	6	10	--	--
Percent passing (hydrometer 3)	D422	--	--	1.1	6	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	49.8	61	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	99.8	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	100	--	--
Percent passing 50-micron sieve	D422	--	--	92.2	92.1	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	29.6	42.2	--	--
Percent passing 8.0 micron	D422	--	--	100	99.9	--	--
Percent retained 16,000-micron sieve	D422	--	--	100	97.6	--	--
Percent retained 30-micron sieve	D422	--	--	97.4	95.8	--	--
Sand	D422	--	--	70	57.8	--	--
Silt	D422	--	--	30	42.2	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.030 U	0.043 U	0.034 U	0.052 U	0.026 U	0.042 U
Aroclor 1221	SW8082A	0.030 U	0.043 U	0.034 U	0.052 U	0.026 U	0.042 U
Aroclor 1232	SW8082A	0.030 U	0.043 U	0.034 U	0.052 U	0.026 U	0.042 U
Aroclor 1242	SW8082A	0.030 U	0.043 U	0.034 U	0.052 U	0.026 U	0.042 U
Aroclor 1248	SW8082A	0.030 U	0.043 U	0.034 U	0.052 U	0.026 U	0.042 U
Aroclor 1254	SW8082A	0.030 U	0.771	0.034 U	1.02	0.026 U	0.819
Aroclor 1260	SW8082A	2.75	2.58	1.88	3.22	4.92	2.5
Total PCB Aroclors (U = 0 max limit)		2.75	3.35	1.88	4.24	4.92	3.3

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-080-90-230515-00-01 5/15/2023	RB-E-081-32-220920-00-01 9/20/2022	RB-E-081-59-230515-00-01 5/15/2023	RB-E-081-89-220920-00-01 9/20/2022	RB-E-082-25-230515-00-01 5/15/2023	RB-E-082-62-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	84.3	47.9	55.4	67.2	69.7	88.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.067 U	0.035 U	0.044 U	0.028 U	0.036 U
Aroclor 1221	SW8082A	0.023 U	0.067 U	0.035 U	0.044 U	0.028 U	0.036 U
Aroclor 1232	SW8082A	0.023 U	0.067 U	0.035 U	0.044 U	0.028 U	0.036 U
Aroclor 1242	SW8082A	0.023 U	0.067 U	0.035 U	0.044 U	0.028 U	0.036 U
Aroclor 1248	SW8082A	0.023 U	0.067 U	0.035 U	0.044 U	0.028 U	0.036 U
Aroclor 1254	SW8082A	0.023 U	1.02	0.035 U	0.713	0.028 U	0.372
Aroclor 1260	SW8082A	9.33	2.66	2.22	2.58	2.35	1.09
Total PCB Aroclors (U = 0 max limit)		9.33	3.68	2.22	3.29	2.35	1.46

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-082-90-230515-00-01 5/15/2023	RB-E-083-21-220920-00-01 9/20/2022	RB-E-083-45-230515-00-01 5/15/2023	RB-E-083-62-220920-00-01 9/20/2022	RB-E-083-87-230515-00-01 5/15/2023	RB-E-084-08-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	58.6	68.6	76.4	66.3	63.1	62.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.045 U	0.024 U	0.046 U	0.031 U	0.050 U
Aroclor 1221	SW8082A	0.033 U	0.045 U	0.024 U	0.046 U	0.031 U	0.050 U
Aroclor 1232	SW8082A	0.033 U	0.045 U	0.024 U	0.046 U	0.031 U	0.050 U
Aroclor 1242	SW8082A	0.033 U	0.045 U	0.024 U	0.046 U	0.031 U	0.050 U
Aroclor 1248	SW8082A	0.033 U	0.045 U	0.024 U	0.046 U	0.031 U	0.050 U
Aroclor 1254	SW8082A	0.033 U	0.575	0.024 U	1.1	0.031 U	1.26
Aroclor 1260	SW8082A	1.82	1.68	1.49	3.1	1.36	3.01
Total PCB Aroclors (U = 0 max limit)		1.82	2.26	1.49	4.2	1.36	4.27

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-084-34-230515-00-01 5/15/2023	RB-E-084-53-220920-00-01 9/20/2022	RB-E-084-70-230515-00-01 5/15/2023	RB-E-084-87-220923-00-01 9/23/2022	RB-E-085-07-220923-00-01 9/23/2022	RB-E-085-23-230515-00-01 5/15/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	37.8	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.1	74	71.6	82.1	78.3	86.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0.08	--	--	--	--
Percent passing (hydrometer 1)	D422	--	14	--	--	--	--
Percent passing (hydrometer 2)	D422	--	4.9	--	--	--	--
Percent passing (hydrometer 3)	D422	--	3	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	99.9	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	34.2	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	99.8	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	99.9	--	--	--	--
Percent passing 50-micron sieve	D422	--	82.3	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	20.7	--	--	--	--
Percent passing 8.0 micron	D422	--	99.9	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	98.7	--	--	--	--
Percent retained 30-micron sieve	D422	--	97.6	--	--	--	--
Sand	D422	--	79.3	--	--	--	--
Silt	D422	--	20.7	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.043 U	0.027 U	0.040 U	0.039 U	0.023 U
Aroclor 1221	SW8082A	0.026 U	0.043 U	0.027 U	0.040 U	0.039 U	0.023 U
Aroclor 1232	SW8082A	0.026 U	0.043 U	0.027 U	0.040 U	0.039 U	0.023 U
Aroclor 1242	SW8082A	0.026 U	0.043 U	0.027 U	0.040 U	0.039 U	0.023 U
Aroclor 1248	SW8082A	0.026 U	0.043 U	0.027 U	0.040 U	0.039 U	0.023 U
Aroclor 1254	SW8082A	0.026 U	0.572	0.027 U	0.771	4.11	0.023 U
Aroclor 1260	SW8082A	1.32	1.89	1.36	2.69	15	3.52
Total PCB Aroclors (U = 0 max limit)		1.32	2.46	1.36	3.46	19	3.52

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-085-43-230515-00-01 5/15/2023	RB-E-085-60-230515-00-01 5/15/2023	RB-E-085-60-BD0001 5/15/2023	RB-E-085-79-220923-00-01 9/23/2022	RB-E-085-90-220923-00-01 9/23/2022	RB-E-085-90-BD0001 9/23/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	35.8	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	89.2	90	89.3	64.2	71.3	77
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	8	--	--	--	--	--
Percent passing (hydrometer 2)	D422	4.7	--	--	--	--	--
Percent passing (hydrometer 3)	D422	4.7	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	23.7	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	78.1	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	15.1	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	100	--	--	--	--	--
Percent retained 30-micron sieve	D422	97.4	--	--	--	--	--
Sand	D422	84.9	--	--	--	--	--
Silt	D422	15.1	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.022 U	0.022 U	0.022 U	0.051 U	0.043 U	0.039 U
Aroclor 1221	SW8082A	0.022 U	0.022 U	0.022 U	0.051 U	0.043 U	0.039 U
Aroclor 1232	SW8082A	0.022 U	0.022 U	0.022 U	0.051 U	0.043 U	0.039 U
Aroclor 1242	SW8082A	0.022 U	0.022 U	0.022 U	0.051 U	0.043 U	0.039 U
Aroclor 1248	SW8082A	0.022 U	0.022 U	0.022 U	0.051 U	0.043 U	0.039 U
Aroclor 1254	SW8082A	0.022 U	0.022 U	0.022 U	1.3	0.316 J	0.175 J
Aroclor 1260	SW8082A	5.84	4.87 J	2.89 J	4	1.81 J	0.848 J
Total PCB Aroclors (U = 0 max limit)		5.84	4.87 J	2.89 J	5.3	2.13 J	1.02 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-086-05-230515-00-01 5/15/2023	RB-E-086-21-220923-00-01 9/23/2022	RB-E-086-41-220923-00-01 9/23/2022	RB-E-086-60-230515-00-01 5/15/2023	RB-E-086-84-230515-00-01 5/15/2023	RB-E-087-09-220923-00-01 9/23/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	31.4 J	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	89.5	75.3	78.5	86.3	87.5	76.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	10	--	--	--
Percent passing (hydrometer 2)	D422	--	--	4	--	--	--
Percent passing (hydrometer 3)	D422	--	--	2.0 J	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	34.5	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	94	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	16.7	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	100	--	--	--
Percent retained 30-micron sieve	D422	--	--	99.9	--	--	--
Sand	D422	--	--	83.3	--	--	--
Silt	D422	--	--	16.7	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.022 U	0.040 U	0.041 U	0.023 U	0.021 U	0.042 U
Aroclor 1221	SW8082A	0.022 U	0.040 U	0.041 U	0.023 U	0.021 U	0.042 U
Aroclor 1232	SW8082A	0.022 U	0.040 U	0.041 U	0.023 U	0.021 U	0.042 U
Aroclor 1242	SW8082A	0.022 U	0.040 U	0.041 U	0.023 U	0.021 U	0.042 U
Aroclor 1248	SW8082A	0.022 U	0.040 U	0.041 U	0.023 U	0.021 U	0.042 U
Aroclor 1254	SW8082A	0.022 U	0.184	0.041 U	0.023 U	0.021 U	1.78
Aroclor 1260	SW8082A	5.73	0.794	0.041	8.23	7.48	9.6
Total PCB Aroclors (U = 0 max limit)		5.73	0.978	0.041	8.23	7.48	11

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-087-28-220923-00-01 9/23/2022	RB-E-087-48-230515-00-01 5/15/2023	RB-E-087-72-230515-00-01 5/15/2023	RB-E-087-92-220921-00-01 9/21/2022	RB-E-088-19-230515-00-01 5/15/2023	RB-E-088-42-230515-00-01 5/15/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.1	86.8	84.2	74	87.3	77.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.023 U	0.022 U	0.045 U	0.022 U	0.025 U
Aroclor 1221	SW8082A	0.048 U	0.023 U	0.022 U	0.045 U	0.022 U	0.025 U
Aroclor 1232	SW8082A	0.048 U	0.023 U	0.022 U	0.045 U	0.022 U	0.025 U
Aroclor 1242	SW8082A	0.048 U	0.023 U	0.022 U	0.045 U	0.022 U	0.025 U
Aroclor 1248	SW8082A	0.048 U	0.023 U	0.022 U	0.045 U	0.022 U	0.025 U
Aroclor 1254	SW8082A	1.3	0.023 U	0.022 U	0.689	0.022 U	0.025 U
Aroclor 1260	SW8082A	4.26	12.1	18.9	3.52	9.05	7.25
Total PCB Aroclors (U = 0 max limit)		5.6	12.1	18.9	4.21	9.05	7.25

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-088-66-230515-00-01 5/15/2023	RB-E-088-90-230515-00-01 5/15/2023	RB-E-089-15-221109-00-01 11/9/2022	RB-E-089-46-220921-00-01 9/21/2022	RB-E-089-72-221109-00-01 11/9/2022	RB-E-090-06-220921-00-01 9/21/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	22.4	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	83.5	83.7	79.9	57.7	66.6	67.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	11	--	--	--	--
Percent passing (hydrometer 2)	D422	--	6	--	--	--	--
Percent passing (hydrometer 3)	D422	--	3	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	38.1	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	79.8	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	25.7	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	100	--	--	--	--
Percent retained 30-micron sieve	D422	--	97.3	--	--	--	--
Sand	D422	--	74.3	--	--	--	--
Silt	D422	--	25.7	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.023 U	0.037 U	0.056 U	0.045 U	0.049 U
Aroclor 1221	SW8082A	0.023 U	0.023 U	0.037 U	0.056 U	0.045 U	0.049 U
Aroclor 1232	SW8082A	0.023 U	0.023 U	0.037 U	0.056 U	0.045 U	0.049 U
Aroclor 1242	SW8082A	0.023 U	0.023 U	0.037 U	0.056 U	0.045 U	0.049 U
Aroclor 1248	SW8082A	0.023 U	0.023 U	0.037 U	0.056 U	0.045 U	0.049 U
Aroclor 1254	SW8082A	0.023 U	0.023 U	1.15 J	1.96	0.947 J	1.33
Aroclor 1260	SW8082A	5.26	7.3	6.32 J	6.32	3.85 J	5.42
Total PCB Aroclors (U = 0 max limit)		5.26	7.3	7.47 J	8.28	4.80 J	6.75

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-090-53-221109-00-01 11/9/2022	RB-E-090-88-220921-00-01 9/21/2022	RB-E-091-17-221109-00-01 11/9/2022	RB-E-091-47-220921-00-01 9/21/2022	RB-E-091-71-221109-00-01 11/9/2022	RB-E-091-92-220921-00-01 9/21/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	74.2	54.6	62	55.4	70.2	63
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.055 U	0.051 U	0.057 U	0.047 U	0.049 U
Aroclor 1221	SW8082A	0.042 U	0.055 U	0.051 U	0.057 U	0.047 U	0.049 U
Aroclor 1232	SW8082A	0.042 U	0.055 U	0.051 U	0.057 U	0.047 U	0.049 U
Aroclor 1242	SW8082A	0.042 U	0.055 U	0.051 U	0.057 U	0.047 U	0.049 U
Aroclor 1248	SW8082A	0.042 U	0.055 U	0.051 U	0.057 U	0.047 U	0.049 U
Aroclor 1254	SW8082A	0.876 J	1.26	0.563 J	0.923	0.657 J	1.04
Aroclor 1260	SW8082A	4.58 J	5.19	2.09 J	2.16	4.4 J	3.29
Total PCB Aroclors (U = 0 max limit)		5.46 J	6.45	2.65 J	3.08	5.1 J	4.33

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-092-11-221109-00-01 11/9/2022	RB-E-092-23-221109-00-01 11/9/2022	RB-E-092-49-221109-00-01 11/9/2022	RB-E-092-68-220921-00-01 9/21/2022	RB-E-092-94-221109-00-01 11/9/2022	RB-E-093-32-220921-00-01 9/21/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	52.1
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	80.4	71.5	83.4	65.6	73.9	41.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0.03
Percent passing (hydrometer 1)	D422	--	--	--	--	--	25
Percent passing (hydrometer 2)	D422	--	--	--	--	--	13
Percent passing (hydrometer 3)	D422	--	--	--	--	--	8
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	52.5
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	99.5
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	93.7
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	37.1
Percent passing 8.0 micron	D422	--	--	--	--	--	99.6
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	98.1
Percent retained 30-micron sieve	D422	--	--	--	--	--	96.8
Sand	D422	--	--	--	--	--	62.9
Silt	D422	--	--	--	--	--	37.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.042 U	0.037 U	0.047 U	0.041 U	0.076 U
Aroclor 1221	SW8082A	0.041 U	0.042 U	0.037 U	0.047 U	0.041 U	0.076 U
Aroclor 1232	SW8082A	0.041 U	0.042 U	0.037 U	0.047 U	0.041 U	0.076 U
Aroclor 1242	SW8082A	0.041 U	0.042 U	0.037 U	0.047 U	0.041 U	0.076 U
Aroclor 1248	SW8082A	0.041 U	0.042 U	0.037 U	0.047 U	0.041 U	0.076 U
Aroclor 1254	SW8082A	0.689 J	1.07 J	0.591 J	1.8	0.642 J	3.19
Aroclor 1260	SW8082A	3.7 J	6.08 J	3.16 J	6.37	2.92 J	18.7
Total PCB Aroclors (U = 0 max limit)		4.4 J	7.15 J	3.75 J	8.2	3.56 J	21.9

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-093-53-221109-00-01 11/9/2022	RB-E-093-53-BD0001 11/9/2022	RB-E-093-75-220921-00-01 9/21/2022	RB-E-093-96-221109-00-01 11/9/2022	RB-E-094-20-220921-00-01 9/21/2022	RB-E-094-43-221109-00-01 11/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62.1	63.3	58.8	78.9	75.7	78.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.052 U	0.050 U	0.055 U	0.042 U	0.041 U	0.039 U
Aroclor 1221	SW8082A	0.052 U	0.050 U	0.055 U	0.042 U	0.041 U	0.039 U
Aroclor 1232	SW8082A	0.052 U	0.050 U	0.055 U	0.042 U	0.041 U	0.039 U
Aroclor 1242	SW8082A	0.052 U	0.050 U	0.055 U	0.042 U	0.041 U	0.039 U
Aroclor 1248	SW8082A	0.052 U	0.050 U	0.055 U	0.042 U	0.041 U	0.039 U
Aroclor 1254	SW8082A	0.377 J	0.439 J	1.92	1.18 J	3.45	1.01 J
Aroclor 1260	SW8082A	1.37 J	1.86 J	7.33	6.45 J	9.37	5.06 J
Total PCB Aroclors (U = 0 max limit)		1.75 J	2.30 J	9.25	7.63 J	12.8	6.07 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-094-65-221109-00-01 11/9/2022	RB-E-094-87-221109-00-01 11/9/2022	RB-E-095-09-221109-00-01 11/9/2022	RB-E-095-31-221109-00-01 11/9/2022	RB-E-095-49-221109-00-01 11/9/2022	RB-E-095-71-221109-00-01 11/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	28.5	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.6	75.3	52.6	77.1	74.1	84.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	27	--	--	--
Percent passing (hydrometer 2)	D422	--	--	8	--	--	--
Percent passing (hydrometer 3)	D422	--	--	5.4	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	48.5	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	89.8	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	32.6	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	96.2	--	--	--
Sand	D422	--	--	87.4	--	--	--
Silt	D422	--	--	32.6	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.040 U	0.059 U	0.042 U	0.043 U	0.037 U
Aroclor 1221	SW8082A	0.044 U	0.040 U	0.059 U	0.042 U	0.043 U	0.037 U
Aroclor 1232	SW8082A	0.044 U	0.040 U	0.059 U	0.042 U	0.043 U	0.037 U
Aroclor 1242	SW8082A	0.044 U	0.040 U	0.059 U	0.042 U	0.043 U	0.037 U
Aroclor 1248	SW8082A	0.044 U	0.040 U	0.059 U	0.042 U	0.043 U	0.037 U
Aroclor 1254	SW8082A	0.878 J	1.43 J	1.91 J	1.09 J	1.19 J	1.48 J
Aroclor 1260	SW8082A	4.75 J	7.09 J	10.3 J	6.08 J	6.15 J	8.42 J
Total PCB Aroclors (U = 0 max limit)		5.63 J	8.52 J	12.2 J	7.17 J	7.34 J	9.90 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-095-95-220921-00-01 9/21/2022	RB-E-096-20-221109-00-01 11/9/2022	RB-E-096-45-221109-00-01 11/9/2022	RB-E-096-80-221109-00-01 11/9/2022	RB-E-097-11-220921-00-01 9/21/2022	RB-E-097-60-221109-00-01 11/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	74.9	73.6	79.8	79.9	66.5	80.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.045 U	0.037 U	0.040 U	0.049 U	0.040 U
Aroclor 1221	SW8082A	0.045 U	0.045 U	0.037 U	0.040 U	0.049 U	0.040 U
Aroclor 1232	SW8082A	0.045 U	0.045 U	0.037 U	0.040 U	0.049 U	0.040 U
Aroclor 1242	SW8082A	0.045 U	0.045 U	0.037 U	0.040 U	0.049 U	0.040 U
Aroclor 1248	SW8082A	0.045 U	0.045 U	0.037 U	0.040 U	0.049 U	0.040 U
Aroclor 1254	SW8082A	7.18	2.08 J	2.14 J	1.84 J	2.47	0.389 J
Aroclor 1260	SW8082A	25.7	8.77 J	10.1 J	8.71 J	7.34	1.83 J
Total PCB Aroclors (U = 0 max limit)		32.9	10.9 J	12.2 J	10.6 J	9.81	2.22 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-098-35-220921-00-01 9/21/2022	RB-E-098-56-221109-00-01 11/9/2022	RB-E-098-72-220921-00-01 9/21/2022	RB-E-098-95-221109-00-01 11/9/2022	RB-E-099-30-220927-00-01 9/27/2022	RB-E-099-37-230523-00-01 5/23/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	75.5	55.3	75.1	70.3	42.2	69.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.057 U	0.044 U	0.047 U	0.075 U	0.025 U
Aroclor 1221	SW8082A	0.044 U	0.057 U	0.044 U	0.047 U	0.075 U	0.025 U
Aroclor 1232	SW8082A	0.044 U	0.057 U	0.044 U	0.047 U	0.075 U	0.025 U
Aroclor 1242	SW8082A	0.044 U	0.057 U	0.044 U	0.047 U	0.075 U	0.025 U
Aroclor 1248	SW8082A	0.044 U	0.057 U	0.044 U	0.047 U	0.075 U	0.025 U
Aroclor 1254	SW8082A	1.2	1.02 J	7.7	3.96 J	12.6 J	0.025 U
Aroclor 1260	SW8082A	4.48	4.87 J	23	17.9 J	22.4 J	1.7
Total PCB Aroclors (U = 0 max limit)		5.7	5.89 J	31	21.9 J	35.0 J	1.7

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-099-48-230523-00-01 5/23/2023	RB-E-099-74-220927-00-01 9/27/2022	RB-E-099-90-230523-00-01 5/23/2023	RB-E-100-11-230523-00-01 5/23/2023	RB-E-100-37-220927-00-01 9/27/2022	RB-E-100-60-230523-00-01 5/23/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.3	81.8	66.7	68.5	83.9	67.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.028 U	0.039 U	0.027 U	0.026 U	0.039 U	0.027 U
Aroclor 1221	SW8082A	0.028 U	0.039 U	0.027 U	0.026 U	0.039 U	0.027 U
Aroclor 1232	SW8082A	0.028 U	0.039 U	0.027 U	0.026 U	0.039 U	0.027 U
Aroclor 1242	SW8082A	0.028 U	0.039 U	0.027 U	0.026 U	0.039 U	0.027 U
Aroclor 1248	SW8082A	0.028 U	0.039 U	0.027 U	0.026 U	0.039 U	0.027 U
Aroclor 1254	SW8082A	0.028 U	0.342	0.027 U	0.026 U	0.133	0.027 U
Aroclor 1260	SW8082A	1.86	1.74	1.15	1.69	0.569	2.04
Total PCB Aroclors (U = 0 max limit)		1.86	2.08	1.15	1.69	0.702	2.04

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-100-80-230523-00-01 5/23/2023	RB-E-101-05-230523-00-01 5/23/2023	RB-E-101-25-230523-00-01 5/23/2023	RB-E-101-46-230523-00-01 5/23/2023	RB-E-101-67-230523-00-01 5/23/2023	RB-E-101-87-230523-00-01 5/23/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	25.9	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.6	74	73.1	74.4	71.7	71.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	24	--
Percent passing (hydrometer 1)	D422	--	--	--	--	14	--
Percent passing (hydrometer 2)	D422	--	--	--	--	6	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	78.3	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	80.3	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	37.3	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	73.3	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	76	--
Percent passing 50-micron sieve	D422	--	--	--	--	63.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	22.5	--
Percent passing 8.0 micron	D422	--	--	--	--	74	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	71.6	--
Percent retained 30-micron sieve	D422	--	--	--	--	68.9	--
Sand	D422	--	--	--	--	53.5	--
Silt	D422	--	--	--	--	22.5	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.023 U	0.024 U	0.024 U	0.025 U	0.025 U
Aroclor 1221	SW8082A	0.026 U	0.023 U	0.024 U	0.024 U	0.025 U	0.025 U
Aroclor 1232	SW8082A	0.026 U	0.023 U	0.024 U	0.024 U	0.025 U	0.025 U
Aroclor 1242	SW8082A	0.026 U	0.023 U	0.024 U	0.024 U	0.025 U	0.025 U
Aroclor 1248	SW8082A	0.026 U	0.023 U	0.024 U	0.024 U	0.025 U	0.025 U
Aroclor 1254	SW8082A	0.026 U	0.023 U	0.024 U	0.024 U	0.025 U	0.025 U
Aroclor 1260	SW8082A	1.63	1.65	0.0852	0.0654	0.0274	0.205
Total PCB Aroclors (U = 0 max limit)		1.63	1.65	0.0852	0.0654	0.0274	0.205

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-102-11-221108-00-01 11/8/2022	RB-E-102-35-221108-00-01 11/8/2022	RB-E-102-64-221108-00-01 11/8/2022	RB-E-102-84-221108-00-01 11/8/2022	RB-E-103-51-221108-00-01 11/8/2022	RB-E-103-72-221108-00-01 11/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	38.4	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78	65.4	82.2	54.9	71.6	71.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	30	--
Percent passing (hydrometer 2)	D422	--	--	--	--	6	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3.2	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	60	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	92	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	40.9	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.8	--
Percent retained 30-micron sieve	D422	--	--	--	--	96.9	--
Sand	D422	--	--	--	--	59.1	--
Silt	D422	--	--	--	--	40.9	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.048 U	0.038 U	0.057 U	0.046 U	0.043 U
Aroclor 1221	SW8082A	0.039 U	0.048 U	0.038 U	0.057 U	0.046 U	0.043 U
Aroclor 1232	SW8082A	0.039 U	0.048 U	0.038 U	0.057 U	0.046 U	0.043 U
Aroclor 1242	SW8082A	0.039 U	0.048 U	0.038 U	0.057 U	0.046 U	0.043 U
Aroclor 1248	SW8082A	0.039 U	0.048 U	0.038 U	0.057 U	0.046 U	0.043 U
Aroclor 1254	SW8082A	3.91 J	2.02 J	1.52 J	2.38 J	1.98 J	2.63 J
Aroclor 1260	SW8082A	23.7 J	9.48 J	8.85 J	13.3 J	9.92 J	12.4 J
Total PCB Aroclors (U = 0 max limit)		27.6 J	11.5 J	10.4 J	15.7 J	11.9 J	15.0 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-103-93-220921-00-01 9/21/2022	RB-E-103-93-BD0001 9/21/2022	RB-E-104-17-221108-00-01 11/8/2022	RB-E-104-42-220921-00-01 9/21/2022	RB-E-104-74-221108-00-01 11/8/2022	RB-E-104-86-220921-00-01 9/21/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	33	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	73.7	67.3	74.9	77.8	84	67
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0.02	--	--
Percent passing (hydrometer 1)	D422	--	--	--	17.2	--	--
Percent passing (hydrometer 2)	D422	--	--	--	17 J	--	--
Percent passing (hydrometer 3)	D422	--	--	--	10 J	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	31.4	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99.9	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	76.5	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	21.1	--	--
Percent passing 8.0 micron	D422	--	--	--	99.9	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	97.4	--	--
Percent retained 30-micron sieve	D422	--	--	--	94.7	--	--
Sand	D422	--	--	--	78.8	--	--
Silt	D422	--	--	--	21.1	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.044 U	0.041 U	0.040 U	0.036 U	0.045 U
Aroclor 1221	SW8082A	0.044 U	0.044 U	0.041 U	0.040 U	0.036 U	0.045 U
Aroclor 1232	SW8082A	0.044 U	0.044 U	0.041 U	0.040 U	0.036 U	0.045 U
Aroclor 1242	SW8082A	0.044 U	0.044 U	0.041 U	0.040 U	0.036 U	0.045 U
Aroclor 1248	SW8082A	0.044 U	0.044 U	0.041 U	0.040 U	0.036 U	0.045 U
Aroclor 1254	SW8082A	1.57	1.84	2.18 J	2.19	2.92 J	1.75
Aroclor 1260	SW8082A	5.02	5.85	14.4 J	11.4	27.8 J	6.39
Total PCB Aroclors (U = 0 max limit)		6.59	7.69	16.6 J	13.6	30.7 J	8.14

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-105-17-221108-00-01 11/8/2022	RB-E-105-40-220923-00-01 9/23/2022	RB-E-105-60-221108-00-01 11/8/2022	RB-E-105-67-220923-00-01 9/23/2022	RB-E-105-81-230510-00-01 5/10/2023	RB-E-105-97-230510-00-01 5/10/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	53.1	61.7	68.7	57.9	68.4	62.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.063 U	0.053 U	0.044 U	0.052 U	0.029 U	0.032 U
Aroclor 1221	SW8082A	0.063 U	0.053 U	0.044 U	0.052 U	0.029 U	0.032 U
Aroclor 1232	SW8082A	0.063 U	0.053 U	0.044 U	0.052 U	0.029 U	0.032 U
Aroclor 1242	SW8082A	0.063 U	0.053 U	0.044 U	0.052 U	0.029 U	0.032 U
Aroclor 1248	SW8082A	0.063 U	0.053 U	0.044 U	0.052 U	0.029 U	0.032 U
Aroclor 1254	SW8082A	0.97 J	0.842	1.32 J	0.874	0.029 U	0.032 U
Aroclor 1260	SW8082A	5.04 J	3.65	7.14 J	4.49	1.43	2.31
Total PCB Aroclors (U = 0 max limit)		6.0 J	4.49	8.46 J	5.36	1.43	2.31

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-106-100-230510-00-01 5/10/2023	RB-E-106-13-230510-00-01 5/10/2023	RB-E-106-36-230510-00-01 5/10/2023	RB-E-106-56-220923-00-01 9/23/2022	RB-E-106-78-230510-00-01 5/10/2023	RB-E-107-16-220923-00-01 9/23/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	84.2	82.2	80.8	84.4	89.2	88
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.022 U	0.023 U	0.025 U	0.038 U	0.022 U	0.037 U
Aroclor 1221	SW8082A	0.022 U	0.023 U	0.025 U	0.038 U	0.022 U	0.037 U
Aroclor 1232	SW8082A	0.022 U	0.023 U	0.025 U	0.038 U	0.022 U	0.037 U
Aroclor 1242	SW8082A	0.022 U	0.023 U	0.025 U	0.038 U	0.022 U	0.037 U
Aroclor 1248	SW8082A	0.022 U	0.023 U	0.025 U	0.038 U	0.022 U	0.037 U
Aroclor 1254	SW8082A	0.022 U	0.023 U	0.025 U	0.038 U	0.022 U	0.037 U
Aroclor 1260	SW8082A	0.022 U	0.0643	0.416	0.038 U	0.022 U	0.037 U
Total PCB Aroclors (U = 0 max limit)		0.0049 U	0.0643	0.416	0.034 U	0.0049 U	0.033 U

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-107-40-230510-00-01 5/10/2023	RB-E-107-40-BD0001 5/10/2023	RB-E-107-61-220923-00-01 9/23/2022	RB-E-107-85-230510-00-01 5/10/2023	RB-E-108-08-220923-00-01 9/23/2022	RB-E-108-25-230510-00-01 5/10/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	51.5	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.7	77.6	68.7	66.4	55.8	68.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	22	--	--
Percent passing (hydrometer 2)	D422	--	--	--	9	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	44	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	88.9	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	35.6	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.4	--	--
Percent retained 30-micron sieve	D422	--	--	--	95.8	--	--
Sand	D422	--	--	--	64.5	--	--
Silt	D422	--	--	--	35.6	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.023 U	0.044 U	0.028 U	0.055 U	0.025 U
Aroclor 1221	SW8082A	0.023 U	0.023 U	0.044 U	0.028 U	0.055 U	0.025 U
Aroclor 1232	SW8082A	0.023 U	0.023 U	0.044 U	0.028 U	0.055 U	0.025 U
Aroclor 1242	SW8082A	0.023 U	0.023 U	0.044 U	0.028 U	0.055 U	0.025 U
Aroclor 1248	SW8082A	0.023 U	0.023 U	0.044 U	0.028 U	0.055 U	0.025 U
Aroclor 1254	SW8082A	0.023 U	0.023 U	0.524 J	0.028 U	0.471	0.025 U
Aroclor 1260	SW8082A	0.023 U	0.0091 J	2.89	1.24	1.95	0.383
Total PCB Aroclors (U = 0 max limit)		0.0051 U	0.0091 J	3.41 J	1.24	2.42	0.383

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-108-47-220923-00-01 9/23/2022	RB-E-108-63-230510-00-01 5/10/2023	RB-E-108-74-230510-00-01 5/10/2023	RB-E-108-94-230510-00-01 5/10/2023	RB-E-109-17-221108-00-01 11/8/2022	RB-E-109-41-221108-00-01 11/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	39.5	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.3	70.9	79.2	61.7	73.3	64.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	26	--
Percent passing (hydrometer 2)	D422	--	--	--	--	6	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3.2	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	56	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	83.9	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	38.8	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	98.5	--
Percent retained 30-micron sieve	D422	--	--	--	--	92.1	--
Sand	D422	--	--	--	--	59.1	--
Silt	D422	--	--	--	--	40.9	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.028 U	0.025 U	0.032 U	0.043 U	0.050 U
Aroclor 1221	SW8082A	0.042 U	0.028 U	0.025 U	0.032 U	0.043 U	0.050 U
Aroclor 1232	SW8082A	0.042 U	0.028 U	0.025 U	0.032 U	0.043 U	0.050 U
Aroclor 1242	SW8082A	0.042 U	0.028 U	0.025 U	0.032 U	0.043 U	0.050 U
Aroclor 1248	SW8082A	0.042 U	0.028 U	0.025 U	0.032 U	0.043 U	0.050 U
Aroclor 1254	SW8082A	1.27	0.028 U	0.025 U	0.032 U	1.56 J	1.37 J
Aroclor 1260	SW8082A	7.1	2.16	2.99	2.85	9.59 J	8.06 J
Total PCB Aroclors (U = 0 max limit)		8.4	2.16	2.99	2.85	11.2 J	9.43 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-109-41-BD0001 11/8/2022	RB-E-109-63-221108-00-01 11/8/2022	RB-E-109-82-221108-00-01 11/8/2022	RB-E-110-06-221108-00-01 11/8/2022	RB-E-110-33-221108-00-01 11/8/2022	RB-E-110-72-220923-00-01 9/23/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67	69.9	81.2	76.9	65	70.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.046 U	0.040 U	0.042 U	0.047 U	0.045 U
Aroclor 1221	SW8082A	0.047 U	0.046 U	0.040 U	0.042 U	0.047 U	0.045 U
Aroclor 1232	SW8082A	0.047 U	0.046 U	0.040 U	0.042 U	0.047 U	0.045 U
Aroclor 1242	SW8082A	0.047 U	0.046 U	0.040 U	0.042 U	0.047 U	0.045 U
Aroclor 1248	SW8082A	0.047 U	0.046 U	0.040 U	0.042 U	0.047 U	0.045 U
Aroclor 1254	SW8082A	2.31 J	2.15 J	0.971 J	1.23 J	1.58 J	1.01
Aroclor 1260	SW8082A	11.6 J	12.2 J	6.42 J	6.15 J	8.06 J	5.67
Total PCB Aroclors (U = 0 max limit)		13.9 J	14.4 J	7.39 J	7.38 J	9.64 J	6.68

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-111-08-221108-00-01 11/8/2022	RB-E-111-31-220923-00-01 9/23/2022	RB-E-111-39-221108-00-01 11/8/2022	RB-E-111-63-220923-00-01 9/23/2022	RB-E-111-81-221108-00-01 11/8/2022	RB-E-112-01-220923-00-01 9/23/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	1.6	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	102 J	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.2	64.1	60.2	55.5	54.2	71.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	14	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	38	--	--
Percent passing (hydrometer 2)	D422	--	--	--	10	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3.3 J	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	83.5	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	95.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	66	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	98	--	--
Sand	D422	--	--	--	34	--	--
Silt	D422	--	--	--	66	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.048 U	0.051 U	0.053 U	0.056 U	0.045 U
Aroclor 1221	SW8082A	0.045 U	0.048 U	0.051 U	0.053 U	0.056 U	0.045 U
Aroclor 1232	SW8082A	0.045 U	0.048 U	0.051 U	0.053 U	0.056 U	0.045 U
Aroclor 1242	SW8082A	0.045 U	0.048 U	0.051 U	0.053 U	0.056 U	0.045 U
Aroclor 1248	SW8082A	0.045 U	0.048 U	0.051 U	0.053 U	0.056 U	0.045 U
Aroclor 1254	SW8082A	1.34 J	0.638	1.09 J	0.983	0.989 J	0.181
Aroclor 1260	SW8082A	6.08 J	3.25	6.15 J	3.84	5.12 J	0.723
Total PCB Aroclors (U = 0 max limit)		7.42 J	3.89	7.24 J	4.82	6.11 J	0.904

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-112-17-221108-00-01 11/8/2022	RB-E-112-41-220923-00-01 9/23/2022	RB-E-112-62-221108-00-01 11/8/2022	RB-E-112-82-220923-00-01 9/23/2022	RB-E-113-04-221108-00-01 11/8/2022	RB-E-113-38-220923-00-01 9/23/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.5	64.7	71.8	73.5	73.5	77.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.048 U	0.044 U	0.042 U	0.041 U	0.043 U
Aroclor 1221	SW8082A	0.047 U	0.048 U	0.044 U	0.042 U	0.041 U	0.043 U
Aroclor 1232	SW8082A	0.047 U	0.048 U	0.044 U	0.042 U	0.041 U	0.043 U
Aroclor 1242	SW8082A	0.047 U	0.048 U	0.044 U	0.042 U	0.041 U	0.043 U
Aroclor 1248	SW8082A	0.047 U	0.048 U	0.044 U	0.042 U	0.041 U	0.043 U
Aroclor 1254	SW8082A	3.55 J	2.36	1.28 J	0.97	3.94 J	5.71 J
Aroclor 1260	SW8082A	12.1 J	12.2	6.68 J	5.98	20.6 J	31.3
Total PCB Aroclors (U = 0 max limit)		15.7 J	14.6	7.96 J	7	24.5 J	37.0 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-113-67-221108-00-01 11/8/2022	RB-E-113-90-220923-00-01 9/23/2022	RB-E-114-09-221108-00-01 11/8/2022	RB-E-114-32-220923-00-01 9/23/2022	RB-E-114-59-221108-00-01 11/8/2022	RB-E-114-83-220923-00-01 9/23/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	30.3 J
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	58.1	70.3	71.6	71.3	72.2	77.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	6.6
Percent passing (hydrometer 1)	D422	--	--	--	--	--	18
Percent passing (hydrometer 2)	D422	--	--	--	--	--	7
Percent passing (hydrometer 3)	D422	--	--	--	--	--	3.0 J
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	96.9
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	48
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	90
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	93.4
Percent passing 50-micron sieve	D422	--	--	--	--	--	78.6
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	32.7
Percent passing 8.0 micron	D422	--	--	--	--	--	90.7
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	88
Percent retained 30-micron sieve	D422	--	--	--	--	--	85.7
Sand	D422	--	--	--	--	--	60.7
Silt	D422	--	--	--	--	--	32.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.044 U	0.045 U	0.045 U	0.045 U	0.042 U
Aroclor 1221	SW8082A	0.051 U	0.044 U	0.045 U	0.045 U	0.045 U	0.042 U
Aroclor 1232	SW8082A	0.051 U	0.044 U	0.045 U	0.045 U	0.045 U	0.042 U
Aroclor 1242	SW8082A	0.051 U	0.044 U	0.045 U	0.045 U	0.045 U	0.042 U
Aroclor 1248	SW8082A	0.051 U	0.044 U	0.045 U	0.045 U	0.045 U	0.042 U
Aroclor 1254	SW8082A	0.932 J	3.29	3.44 J	2.42	1.84 J	0.956
Aroclor 1260	SW8082A	5.35 J	12	13.1 J	8.72	8.13 J	3
Total PCB Aroclors (U = 0 max limit)		6.28 J	15	16.5 J	11.1	9.97 J	4

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-115-22-221107-00-01 11/7/2022	RB-E-115-80-220923-00-01 9/23/2022	RB-E-115-80-BD0001 9/23/2022	RB-E-116-03-221107-00-01 11/7/2022	RB-E-116-27-220926-00-01 9/26/2022	RB-E-116-50-221107-00-01 11/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	38.8	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	86.1	73.8	74.8	88.2	80.4	73.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	3	--	--	--	--	--
Percent passing (hydrometer 1)	D422	27	--	--	--	--	--
Percent passing (hydrometer 2)	D422	8	--	--	--	--	--
Percent passing (hydrometer 3)	D422	5.8	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	98.1	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	55.7	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	96.3	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	96	--	--	--	--	--
Percent passing 50-micron sieve	D422	77.2	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	41.4	--	--	--	--	--
Percent passing 8.0 micron	D422	96.5	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	95.3	--	--	--	--	--
Percent retained 30-micron sieve	D422	87.7	--	--	--	--	--
Sand	D422	55.5	--	--	--	--	--
Silt	D422	41.4	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.042 U	0.043 U	0.037 U	0.040 U	0.041 U
Aroclor 1221	SW8082A	0.038 U	0.042 U	0.043 U	0.037 U	0.040 U	0.041 U
Aroclor 1232	SW8082A	0.038 U	0.042 U	0.043 U	0.037 U	0.040 U	0.041 U
Aroclor 1242	SW8082A	0.038 U	0.042 U	0.043 U	0.037 U	0.040 U	0.041 U
Aroclor 1248	SW8082A	0.038 U	0.042 U	0.043 U	0.037 U	0.040 U	0.041 U
Aroclor 1254	SW8082A	0.592	6.41	5.15 J	0.51	1.03	0.751
Aroclor 1260	SW8082A	3.25	33.1	21.6	2.68	3.97	4.53
Total PCB Aroclors (U = 0 max limit)		3.84	39.5	26.8 J	3.2	5	5.28

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-116-72-220926-00-01 9/26/2022	RB-E-116-98-221107-00-01 11/7/2022	RB-E-117-19-220926-00-01 9/26/2022	RB-E-117-40-221107-00-01 11/7/2022	RB-E-117-64-220926-00-01 9/26/2022	RB-E-117-83-221107-00-01 11/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.1	72.5	70.6	73.7	75.5	67.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.044 U	0.045 U	0.044 U	0.041 U	0.046 U
Aroclor 1221	SW8082A	0.044 U	0.044 U	0.045 U	0.044 U	0.041 U	0.046 U
Aroclor 1232	SW8082A	0.044 U	0.044 U	0.045 U	0.044 U	0.041 U	0.046 U
Aroclor 1242	SW8082A	0.044 U	0.044 U	0.045 U	0.044 U	0.041 U	0.046 U
Aroclor 1248	SW8082A	0.044 U	0.044 U	0.045 U	0.044 U	0.041 U	0.046 U
Aroclor 1254	SW8082A	0.88	1.02	4.86 J	0.599	1.78	0.935
Aroclor 1260	SW8082A	2.83	6.31	17.6	3.26	9.43	5.11
Total PCB Aroclors (U = 0 max limit)		3.7	7.33	22.5 J	3.86	11.2	6.05

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-118-05-220926-00-01 9/26/2022	RB-E-118-31-221107-00-01 11/7/2022	RB-E-118-65-220926-00-01 9/26/2022	RB-E-118-90-221107-00-01 11/7/2022	RB-E-119-44-220926-00-01 9/26/2022	RB-E-119-80-221107-00-01 11/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.4	80.9	71.4	76.2	91.7	79.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.040 U	0.046 U	0.042 U	0.034 U	0.037 U
Aroclor 1221	SW8082A	0.044 U	0.040 U	0.046 U	0.042 U	0.034 U	0.037 U
Aroclor 1232	SW8082A	0.044 U	0.040 U	0.046 U	0.042 U	0.034 U	0.037 U
Aroclor 1242	SW8082A	0.044 U	0.040 U	0.046 U	0.042 U	0.034 U	0.037 U
Aroclor 1248	SW8082A	0.044 U	0.040 U	0.046 U	0.042 U	0.034 U	0.037 U
Aroclor 1254	SW8082A	2.02	1.07	2.43 J	0.904	1.24	0.149
Aroclor 1260	SW8082A	14.2	5.5	14.5	3.82	5.52	0.471
Total PCB Aroclors (U = 0 max limit)		16.2	6.6	16.9 J	4.72	6.76	0.62

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-120-10-220926-00-01 9/26/2022	RB-E-120-37-221107-00-01 11/7/2022	RB-E-120-66-220926-00-01 9/26/2022	RB-E-120-84-221107-00-01 11/7/2022	RB-E-121-02-221107-00-01 11/7/2022	RB-E-121-13-221107-00-01 11/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	87.3	79.5	79	85.8	79.3	73.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.038 U	0.039 U	0.037 U	0.042 U	0.045 U
Aroclor 1221	SW8082A	0.036 U	0.038 U	0.039 U	0.037 U	0.042 U	0.045 U
Aroclor 1232	SW8082A	0.036 U	0.038 U	0.039 U	0.037 U	0.042 U	0.045 U
Aroclor 1242	SW8082A	0.036 U	0.038 U	0.039 U	0.037 U	0.042 U	0.045 U
Aroclor 1248	SW8082A	0.036 U	0.038 U	0.039 U	0.037 U	0.042 U	0.045 U
Aroclor 1254	SW8082A	0.849	1.13 J	0.974 J	0.627	1.09	0.913
Aroclor 1260	SW8082A	4.13	6.46	5.55	2.21	4.69	4.47
Total PCB Aroclors (U = 0 max limit)		4.98	7.59 J	6.52 J	2.84	5.78	5.38

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-121-30-221107-00-01 11/7/2022	RB-E-121-50-221107-00-01 11/7/2022	RB-E-121-50-BD0001 11/7/2022	RB-E-121-72-220926-00-01 9/26/2022	RB-E-121-99-221107-00-01 11/7/2022	RB-E-122-08-220926-00-01 9/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	71.3	--
Moisture, percent	E160.3M	--	--	--	32.3	--	--
Total solids	SM2540G	69.2	75.4	70.9	67.7	55.8	67.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	0	--
Percent passing (hydrometer 1)	D422	--	--	--	34	28	--
Percent passing (hydrometer 2)	D422	--	--	--	14	8	--
Percent passing (hydrometer 3)	D422	--	--	--	6.0 J	5.3	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	81.2	64.3	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99.1	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	100	--
Percent passing 50-micron sieve	D422	--	--	--	95.3	90.8	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	64.4	48.4	--
Percent passing 8.0 micron	D422	--	--	--	99.5	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	99	99.9	--
Percent retained 30-micron sieve	D422	--	--	--	97.8	96.2	--
Sand	D422	--	--	--	35.6	51.6	--
Silt	D422	--	--	--	64.4	48.4	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.044 U	0.045 U	0.044 U	0.055 U	0.047 U
Aroclor 1221	SW8082A	0.047 U	0.044 U	0.045 U	0.044 U	0.055 U	0.047 U
Aroclor 1232	SW8082A	0.047 U	0.044 U	0.045 U	0.044 U	0.055 U	0.047 U
Aroclor 1242	SW8082A	0.047 U	0.044 U	0.045 U	0.044 U	0.055 U	0.047 U
Aroclor 1248	SW8082A	0.047 U	0.044 U	0.045 U	0.044 U	0.055 U	0.047 U
Aroclor 1254	SW8082A	0.852	1.17	0.895	6.02 J	10.5	4.32 J
Aroclor 1260	SW8082A	3.88	5.34	3.9	19.6	38	22.3
Total PCB Aroclors (U = 0 max limit)		4.73	6.51	4.8	25.6 J	49	26.6 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-122-27-221107-00-01 11/7/2022	RB-E-122-43-221107-00-01 11/7/2022	RB-E-122-63-221107-00-01 11/7/2022	RB-E-122-83-221107-00-01 11/7/2022	RB-E-123-08-221107-00-01 11/7/2022	RB-E-123-28-221104-00-01 11/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.5	84.8	79.8	73.9	72.4	69.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.037 U	0.039 U	0.045 U	0.041 U	0.046 U
Aroclor 1221	SW8082A	0.042 U	0.037 U	0.039 U	0.045 U	0.041 U	0.046 U
Aroclor 1232	SW8082A	0.042 U	0.037 U	0.039 U	0.045 U	0.041 U	0.046 U
Aroclor 1242	SW8082A	0.042 U	0.037 U	0.039 U	0.045 U	0.041 U	0.046 U
Aroclor 1248	SW8082A	0.042 U	0.037 U	0.039 U	0.045 U	0.041 U	0.046 U
Aroclor 1254	SW8082A	1.22 J	0.435 J	1.02 J	2.12 J	1.69 J	1.37 J
Aroclor 1260	SW8082A	5.75 J	2.01 J	5.07 J	9.85 J	7.67 J	6.13
Total PCB Aroclors (U = 0 max limit)		6.97 J	2.45 J	6.09 J	12.0 J	9.36 J	7.50 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-123-48-221107-00-01 11/7/2022	RB-E-123-77-220926-00-01 9/26/2022	RB-E-124-13-221104-00-01 11/4/2022	RB-E-124-62-220926-00-01 9/26/2022	RB-E-124-97-221104-00-01 11/4/2022	RB-E-125-21-220926-00-01 9/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.8	59.6	75.7	69.8	60.8	60.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.053 U	0.039 U	0.048 U	0.053 U	0.054 U
Aroclor 1221	SW8082A	0.038 U	0.053 U	0.039 U	0.048 U	0.053 U	0.054 U
Aroclor 1232	SW8082A	0.038 U	0.053 U	0.039 U	0.048 U	0.053 U	0.054 U
Aroclor 1242	SW8082A	0.038 U	0.053 U	0.039 U	0.048 U	0.053 U	0.054 U
Aroclor 1248	SW8082A	0.038 U	0.053 U	0.039 U	0.048 U	0.053 U	0.054 U
Aroclor 1254	SW8082A	0.744 J	1.96	0.558	1.5	0.56	1.16
Aroclor 1260	SW8082A	4.5 J	8.21	3.93	6.57	2.84	3.9
Total PCB Aroclors (U = 0 max limit)		5.2 J	10.2	4.49	8.1	3.4	5.1

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-125-45-221104-00-01 11/4/2022	RB-E-125-67-220926-00-01 9/26/2022	RB-E-125-91-221104-00-01 11/4/2022	RB-E-126-15-220926-00-01 9/26/2022	RB-E-126-39-221104-00-01 11/4/2022	RB-E-126-54-220926-00-01 9/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	54.6	66.1	55.8	66.1	66.3	72.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.061 U	0.048 U	0.059 U	0.047 U	0.046 U	0.045 U
Aroclor 1221	SW8082A	0.061 U	0.048 U	0.059 U	0.047 U	0.046 U	0.045 U
Aroclor 1232	SW8082A	0.061 U	0.048 U	0.059 U	0.047 U	0.046 U	0.045 U
Aroclor 1242	SW8082A	0.061 U	0.048 U	0.059 U	0.047 U	0.046 U	0.045 U
Aroclor 1248	SW8082A	0.061 U	0.048 U	0.059 U	0.047 U	0.046 U	0.045 U
Aroclor 1254	SW8082A	0.822	0.939	0.94	0.0495	1.98 J	1.39
Aroclor 1260	SW8082A	4.04	5.69	4.9	0.107	15.4 J	4.86
Total PCB Aroclors (U = 0 max limit)		4.86	6.63	5.8	0.157	17.4 J	6.25

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-126-71-221104-00-01 11/4/2022	RB-E-126-89-220926-00-01 9/26/2022	RB-E-127-16-221104-00-01 11/4/2022	RB-E-127-68-220926-00-01 9/26/2022	RB-E-127-68-BD0001 9/26/2022	RB-E-128-11-221104-00-01 11/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	44.1	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	75.3	64.6	67.2	62.1	61.2	72.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0.22	--	--	--
Percent passing (hydrometer 1)	D422	--	--	32	--	--	--
Percent passing (hydrometer 2)	D422	--	--	12	--	--	--
Percent passing (hydrometer 3)	D422	--	--	5.7 U	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	70.6	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	99.6	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	99.8	--	--	--
Percent passing 50-micron sieve	D422	--	--	97	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	50.6	--	--	--
Percent passing 8.0 micron	D422	--	--	99.7	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.5	--	--	--
Percent retained 30-micron sieve	D422	--	--	98.5	--	--	--
Sand	D422	--	--	49.2	--	--	--
Silt	D422	--	--	50.6	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 UJ	0.047 U	0.046 U	0.052 U	0.051 U	0.042 UJ
Aroclor 1221	SW8082A	0.039 UJ	0.047 U	0.046 U	0.052 U	0.051 U	0.042 UJ
Aroclor 1232	SW8082A	0.039 UJ	0.047 U	0.046 U	0.052 U	0.051 U	0.042 UJ
Aroclor 1242	SW8082A	0.039 UJ	0.047 U	0.046 U	0.052 U	0.051 U	0.042 UJ
Aroclor 1248	SW8082A	0.039 UJ	0.047 U	0.046 U	0.052 U	0.051 U	0.042 UJ
Aroclor 1254	SW8082A	0.039 UJ	0.0924	0.669	1.43	1.08 J	0.602 J
Aroclor 1260	SW8082A	0.0373 J	0.305	3.7	6	4.94	3.29 J
Total PCB Aroclors (U = 0 max limit)		0.0373 J	0.397	4.4	7.4	6.02 J	3.89 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-128-40-220926-00-01 9/26/2022	RB-E-128-63-221104-00-01 11/4/2022	RB-E-128-92-220926-00-01 9/26/2022	RB-E-129-15-221104-00-01 11/4/2022	RB-E-129-38-220926-00-01 9/26/2022	RB-E-129-62-221104-00-01 11/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	1.8	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	29.2	--	--	--	--	--
Total solids	SM2540G	70.8	61.2	58.9	71.3	69.4	63.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	31	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0.15	--	--	--	--	--
Percent passing (hydrometer 1)	D422	16	--	--	--	--	--
Percent passing (hydrometer 2)	D422	8	--	--	--	--	--
Percent passing (hydrometer 3)	D422	5.1	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	43.7	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	99.3	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	99.9	--	--	--	--	--
Percent passing 50-micron sieve	D422	89.2	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	25.6	--	--	--	--	--
Percent passing 8.0 micron	D422	99.4	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	99.1	--	--	--	--	--
Percent retained 30-micron sieve	D422	97	--	--	--	--	--
Sand	D422	74.3	--	--	--	--	--
Silt	D422	25.6	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.053 UJ	0.053 U	0.044 UJ	0.044 U	0.047 UJ
Aroclor 1221	SW8082A	0.046 U	0.053 UJ	0.053 U	0.044 UJ	0.044 U	0.047 UJ
Aroclor 1232	SW8082A	0.046 U	0.053 UJ	0.053 U	0.044 UJ	0.044 U	0.047 UJ
Aroclor 1242	SW8082A	0.046 U	0.053 UJ	0.053 U	0.044 UJ	0.044 U	0.047 UJ
Aroclor 1248	SW8082A	0.046 U	0.053 UJ	0.053 U	0.044 UJ	0.044 U	0.047 UJ
Aroclor 1254	SW8082A	1.23	0.628 J	0.903	0.627 J	1.22	1.69 J
Aroclor 1260	SW8082A	4.52	3.81 J	3.23	5.02 J	5.94	11.2 J
Total PCB Aroclors (U = 0 max limit)		5.75	4.44 J	4.13	5.65 J	7.16	12.9 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-129-82-220926-00-01 9/26/2022	RB-E-130-08-221104-00-01 11/4/2022	RB-E-130-33-220927-00-01 9/27/2022	RB-E-130-55-221104-00-01 11/4/2022	RB-E-130-79-220927-00-01 9/27/2022	RB-E-131-02-221104-00-01 11/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	53.9	53.7	61.7	67.2	72.2	68.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.060 U	0.057 UJ	0.052 U	0.047 UJ	0.045 U	0.046 UJ
Aroclor 1221	SW8082A	0.060 U	0.057 UJ	0.052 U	0.047 UJ	0.045 U	0.046 UJ
Aroclor 1232	SW8082A	0.060 U	0.057 UJ	0.052 U	0.047 UJ	0.045 U	0.046 UJ
Aroclor 1242	SW8082A	0.060 U	0.057 UJ	0.052 U	0.047 UJ	0.045 U	0.046 UJ
Aroclor 1248	SW8082A	0.060 U	0.057 UJ	0.052 U	0.047 UJ	0.045 U	0.046 UJ
Aroclor 1254	SW8082A	1.57	0.899 J	1.19	0.918 J	1.49	1.56 J
Aroclor 1260	SW8082A	5.83	4.89 J	3.83	5.66 J	5.88	13 J
Total PCB Aroclors (U = 0 max limit)		7.4	5.79 J	5.02	6.58 J	7.37	15 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-131-28-220927-00-01 9/27/2022	RB-E-131-51-221104-00-01 11/4/2022	RB-E-131-77-220927-00-01 9/27/2022	RB-E-131-98-221104-00-01 11/4/2022	RB-E-131-98-BD0001 11/4/2022	RB-E-132-19-220927-00-01 9/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	39.9	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	65	72.6	57.1	68.8	70.1	69.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	26	--	--	--	--
Percent passing (hydrometer 2)	D422	--	10	--	--	--	--
Percent passing (hydrometer 3)	D422	--	5.3	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	63.7	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	92.4	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	46.4	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.9	--	--	--	--
Percent retained 30-micron sieve	D422	--	96.6	--	--	--	--
Sand	D422	--	53.6	--	--	--	--
Silt	D422	--	46.4	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.044 UJ	0.055 U	0.043 UJ	0.046 UJ	0.047 U
Aroclor 1221	SW8082A	0.046 U	0.044 UJ	0.055 U	0.043 UJ	0.046 UJ	0.047 U
Aroclor 1232	SW8082A	0.046 U	0.044 UJ	0.055 U	0.043 UJ	0.046 UJ	0.047 U
Aroclor 1242	SW8082A	0.046 U	0.044 UJ	0.055 U	0.043 UJ	0.046 UJ	0.047 U
Aroclor 1248	SW8082A	0.046 U	0.044 UJ	0.055 U	0.043 UJ	0.046 UJ	0.047 U
Aroclor 1254	SW8082A	0.803	0.998 J	1.31	1.52 J	3.96 J	0.138
Aroclor 1260	SW8082A	2.85	5.87 J	4.68	12 J	19.7 J	0.426
Total PCB Aroclors (U = 0 max limit)		3.65	6.87 J	5.99	14 J	23.7 J	0.564

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-132-44-221104-00-01 11/4/2022	RB-E-132-65-220927-00-01 9/27/2022	RB-E-132-90-221104-00-01 11/4/2022	RB-E-133-17-220928-00-01 9/28/2022	RB-E-133-38-221104-00-01 11/4/2022	RB-E-133-61-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	73.6	57.7	81.1	67	77.7	70.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 UJ	0.056 U	0.039 UJ	0.047 U	0.038 UJ	0.045 U
Aroclor 1221	SW8082A	0.041 UJ	0.056 U	0.039 UJ	0.047 U	0.038 UJ	0.045 U
Aroclor 1232	SW8082A	0.041 UJ	0.056 U	0.039 UJ	0.047 U	0.038 UJ	0.045 U
Aroclor 1242	SW8082A	0.041 UJ	0.056 U	0.039 UJ	0.047 U	0.038 UJ	0.045 U
Aroclor 1248	SW8082A	0.041 UJ	0.056 U	0.039 UJ	0.047 U	0.038 UJ	0.045 U
Aroclor 1254	SW8082A	0.751 J	2.31	0.692 J	1.12	0.836 J	0.045 U
Aroclor 1260	SW8082A	4.41 J	7.49	5.12 J	4.19	4.93 J	0.045 U
Total PCB Aroclors (U = 0 max limit)		5.16 J	9.8	5.81 J	5.31	5.77 J	0.040 U

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-133-82-221104-00-01 11/4/2022	RB-E-134-02-220928-00-01 9/28/2022	RB-E-134-26-221104-00-01 11/4/2022	RB-E-134-43-230511-00-01 5/11/2023	RB-E-134-67-221103-00-01 11/3/2022	RB-E-134-91-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	79.3	69.1	62.2	64.5	76.2	71
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 UJ	0.044 U	0.049 UJ	0.030 U	0.043 U	0.043 U
Aroclor 1221	SW8082A	0.041 UJ	0.044 U	0.049 UJ	0.030 U	0.043 U	0.043 U
Aroclor 1232	SW8082A	0.041 UJ	0.044 U	0.049 UJ	0.030 U	0.043 U	0.043 U
Aroclor 1242	SW8082A	0.041 UJ	0.044 U	0.049 UJ	0.030 U	0.043 U	0.043 U
Aroclor 1248	SW8082A	0.041 UJ	0.044 U	0.049 UJ	0.030 U	0.043 U	0.043 U
Aroclor 1254	SW8082A	1.47 J	0.0289 J	0.721 J	0.030 U	3.49 J	3.64 J
Aroclor 1260	SW8082A	14.1 J	0.105	4.07 J	6.3	14.8 J	18.8
Total PCB Aroclors (U = 0 max limit)		15.6 J	0.134 J	4.79 J	6.3	18.3 J	22.4 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-135-15-221103-00-01 11/3/2022	RB-E-135-36-220928-00-01 9/28/2022	RB-E-135-57-221103-00-01 11/3/2022	RB-E-135-76-220928-00-01 9/28/2022	RB-E-135-76-BD0001 9/28/2022	RB-E-135-92-221103-00-01 11/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	19.7
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.8	70.3	77.2	68.8	69.2	81.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	16
Percent passing (hydrometer 2)	D422	--	--	--	--	--	6
Percent passing (hydrometer 3)	D422	--	--	--	--	--	5.1
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	64.2
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	77.4
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	56.9
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	95.1
Percent retained 30-micron sieve	D422	--	--	--	--	--	87.4
Sand	D422	--	--	--	--	--	43.1
Silt	D422	--	--	--	--	--	56.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.047 U	0.039 U	0.044 U	0.044 U	0.039 U
Aroclor 1221	SW8082A	0.048 U	0.047 U	0.039 U	0.044 U	0.044 U	0.039 U
Aroclor 1232	SW8082A	0.048 U	0.047 U	0.039 U	0.044 U	0.044 U	0.039 U
Aroclor 1242	SW8082A	0.048 U	0.047 U	0.039 U	0.044 U	0.044 U	0.039 U
Aroclor 1248	SW8082A	0.048 U	0.047 U	0.039 U	0.044 U	0.044 U	0.039 U
Aroclor 1254	SW8082A	0.573 J	1.26	2 J	0.0430 J	0.0782	2.23 J
Aroclor 1260	SW8082A	1.19 J	3.56	9.61 J	0.0502 J	0.22 J	9.69 J
Total PCB Aroclors (U = 0 max limit)		1.76 J	4.82	12 J	0.0932 J	0.30 J	11.9 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-136-11-221103-00-01 11/3/2022	RB-E-136-38-221103-00-01 11/3/2022	RB-E-136-38-BD0001 11/3/2022	RB-E-136-80-221103-00-01 11/3/2022	RB-E-137-19-221103-00-01 11/3/2022	RB-E-137-94-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.2	76.3	76.1	75.6	75	80.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.042 U	0.043 U	0.042 U	0.043 U	0.041 U
Aroclor 1221	SW8082A	0.039 U	0.042 U	0.043 U	0.042 U	0.043 U	0.041 U
Aroclor 1232	SW8082A	0.039 U	0.042 U	0.043 U	0.042 U	0.043 U	0.041 U
Aroclor 1242	SW8082A	0.039 U	0.042 U	0.043 U	0.042 U	0.043 U	0.041 U
Aroclor 1248	SW8082A	0.039 U	0.042 U	0.043 U	0.042 U	0.043 U	0.041 U
Aroclor 1254	SW8082A	1.46 J	2.11 J	2.3 J	2.92 J	1.8 J	1.19
Aroclor 1260	SW8082A	6.28 J	9.91 J	10.6 J	13.3 J	8.13 J	5.18
Total PCB Aroclors (U = 0 max limit)		7.74 J	12.0 J	13 J	16.2 J	9.9 J	6.37

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-138-26-221103-00-01 11/3/2022	RB-E-138-63-220928-00-01 9/28/2022	RB-E-138-86-221103-00-01 11/3/2022	RB-E-139-13-220928-00-01 9/28/2022	RB-E-139-34-221103-00-01 11/3/2022	RB-E-139-57-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	17.4	--	--	--	--	51.9
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	86	62	72	77.7	71.9	72.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	1.5	--	--	--	--	0
Percent passing (hydrometer 1)	D422	2.8	--	--	--	--	10
Percent passing (hydrometer 2)	D422	2.8	--	--	--	--	4
Percent passing (hydrometer 3)	D422	2.8	--	--	--	--	3
Percent passing 0.375 inch (3/8-inch sieve)	D422	98.8	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	4.9	--	--	--	--	27.9
Percent passing 2000-micron sieve (No. 10)	D422	94.3	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	98.2	--	--	--	--	100
Percent passing 50-micron sieve	D422	20.2	--	--	--	--	73.4
Percent passing 75-micron sieve (No. 200)	D422	3.1	--	--	--	--	17.1
Percent passing 8.0 micron	D422	95.2	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	85.9	--	--	--	--	99.9
Percent retained 30-micron sieve	D422	64.3	--	--	--	--	96.1
Sand	D422	95.1	--	--	--	--	83
Silt	D422	3.1	--	--	--	--	17.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.049 U	0.043 U	0.038 U	0.043 U	0.045 U
Aroclor 1221	SW8082A	0.037 U	0.049 U	0.043 U	0.038 U	0.043 U	0.045 U
Aroclor 1232	SW8082A	0.037 U	0.049 U	0.043 U	0.038 U	0.043 U	0.045 U
Aroclor 1242	SW8082A	0.037 U	0.049 U	0.043 U	0.038 U	0.043 U	0.045 U
Aroclor 1248	SW8082A	0.037 U	0.049 U	0.043 U	0.038 U	0.043 U	0.045 U
Aroclor 1254	SW8082A	1.76 J	2.56	1.81 J	0.899	1.62 J	1.13
Aroclor 1260	SW8082A	3.7 J	9.48	7.59 J	3.91	6.62 J	4
Total PCB Aroclors (U = 0 max limit)		5.5 J	12	9.40 J	4.81	8.24 J	5.1

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-139-84-221103-00-01 11/3/2022	RB-E-140-11-220928-00-01 9/28/2022	RB-E-140-28-221103-00-01 11/3/2022	RB-E-140-51-220928-00-01 9/28/2022	RB-E-140-62-221103-00-01 11/3/2022	RB-E-140-86-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78.8	63.1	64.1	81.5	81.1	56.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.050 U	0.051 U	0.040 U	0.039 U	0.059 U
Aroclor 1221	SW8082A	0.040 U	0.050 U	0.051 U	0.040 U	0.039 U	0.059 U
Aroclor 1232	SW8082A	0.040 U	0.050 U	0.051 U	0.040 U	0.039 U	0.059 U
Aroclor 1242	SW8082A	0.040 U	0.050 U	0.051 U	0.040 U	0.039 U	0.059 U
Aroclor 1248	SW8082A	0.040 U	0.050 U	0.051 U	0.040 U	0.039 U	0.059 U
Aroclor 1254	SW8082A	1.29 J	2.41 J	1.63 J	1.47	1.45 J	1.7
Aroclor 1260	SW8082A	5.01 J	15	6.07 J	6.95	6.28 J	5.99
Total PCB Aroclors (U = 0 max limit)		6.30 J	17 J	7.70 J	8.42	7.73 J	7.7

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-141-07-221103-00-01 11/3/2022	RB-E-141-100-221102-00-01 11/2/2022	RB-E-141-24-221103-00-01 11/3/2022	RB-E-141-44-220928-00-01 9/28/2022	RB-E-141-65-221103-00-01 11/3/2022	RB-E-141-84-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	31.2	--	--	--	51
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.4	77.1	76.3	72.9	75	79.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	0
Percent passing (hydrometer 1)	D422	--	22	--	--	--	16
Percent passing (hydrometer 2)	D422	--	10	--	--	--	8
Percent passing (hydrometer 3)	D422	--	3.2	--	--	--	4
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	50.2	--	--	--	43.5
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	100
Percent passing 50-micron sieve	D422	--	88.4	--	--	--	90.6
Percent passing 75-micron sieve (No. 200)	D422	--	36	--	--	--	30.8
Percent passing 8.0 micron	D422	--	100	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	100	--	--	--	99.9
Percent retained 30-micron sieve	D422	--	98.7	--	--	--	98.9
Sand	D422	--	64	--	--	--	69.2
Silt	D422	--	36	--	--	--	30.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.041 U	0.039 U	0.041 U	0.043 U	0.037 U
Aroclor 1221	SW8082A	0.048 U	0.041 U	0.039 U	0.041 U	0.043 U	0.037 U
Aroclor 1232	SW8082A	0.048 U	0.041 U	0.039 U	0.041 U	0.043 U	0.037 U
Aroclor 1242	SW8082A	0.048 U	0.041 U	0.039 U	0.041 U	0.043 U	0.037 U
Aroclor 1248	SW8082A	0.048 U	0.041 U	0.039 U	0.041 U	0.043 U	0.037 U
Aroclor 1254	SW8082A	0.716 J	2.96 J	2.01 J	0.041 U	1.74 J	2.26
Aroclor 1260	SW8082A	2.48 J	12.2 J	9.49 J	0.0575	7.63 J	8.06
Total PCB Aroclors (U = 0 max limit)		3.20 J	15.2 J	11.5 J	0.0575	9.37 J	10.3

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-142-19-221102-00-01 11/2/2022	RB-E-142-35-221102-00-01 11/2/2022	RB-E-142-93-221102-00-01 11/2/2022	RB-E-143-65-220928-00-01 9/28/2022	RB-E-144-21-230511-00-01 5/11/2023	RB-E-144-53-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	75.9	75.7	71.6	76.7	61.5	53.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.042 U	0.046 U	0.042 U	0.032 U	0.056 U
Aroclor 1221	SW8082A	0.044 U	0.042 U	0.046 U	0.042 U	0.032 U	0.056 U
Aroclor 1232	SW8082A	0.044 U	0.042 U	0.046 U	0.042 U	0.032 U	0.056 U
Aroclor 1242	SW8082A	0.044 U	0.042 U	0.046 U	0.042 U	0.032 U	0.056 U
Aroclor 1248	SW8082A	0.044 U	0.042 U	0.046 U	0.042 U	0.032 U	0.056 U
Aroclor 1254	SW8082A	3.1 J	3.02 J	3.31 J	1.02	0.032 U	0.056 U
Aroclor 1260	SW8082A	12.6 J	12.3 J	16.5 J	2.36	9.88	0.056 U
Total PCB Aroclors (U = 0 max limit)		16 J	15.3 J	19.8 J	3.38	9.88	0.050 U

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-144-76-221102-00-01 11/2/2022	RB-E-144-99-220928-00-01 9/28/2022	RB-E-145-100-221102-00-01 11/2/2022	RB-E-145-20-220928-00-01 9/28/2022	RB-E-145-48-221102-00-01 11/2/2022	RB-E-145-73-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	63.7	70.9	70.2	63.1	68.4	50.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.046 U	0.046 U	0.047 U	0.048 U	0.064 U
Aroclor 1221	SW8082A	0.051 U	0.046 U	0.046 U	0.047 U	0.048 U	0.064 U
Aroclor 1232	SW8082A	0.051 U	0.046 U	0.046 U	0.047 U	0.048 U	0.064 U
Aroclor 1242	SW8082A	0.051 U	0.046 U	0.046 U	0.047 U	0.048 U	0.064 U
Aroclor 1248	SW8082A	0.051 U	0.046 U	0.046 U	0.047 U	0.048 U	0.064 U
Aroclor 1254	SW8082A	4.94 J	6.69 J	2.02	6.01 J	2.77	0.496 J
Aroclor 1260	SW8082A	20.4 J	22.6	9.49	29.2	10.8	6.57
Total PCB Aroclors (U = 0 max limit)		25.3 J	29.3 J	11.5	35.2 J	13.6	7.07 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-146-28-221102-00-01 11/2/2022	RB-E-146-29-220928-00-01 9/28/2022	RB-E-146-63-221102-00-01 11/2/2022	RB-E-146-85-220928-00-01 9/28/2022	RB-E-147-04-221102-00-01 11/2/2022	RB-E-147-17-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.5	63.7	59.5	59.7	55.8	67.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.047 U	0.055 U	0.050 U	0.058 U	0.046 U
Aroclor 1221	SW8082A	0.047 U	0.047 U	0.055 U	0.050 U	0.058 U	0.046 U
Aroclor 1232	SW8082A	0.047 U	0.047 U	0.055 U	0.050 U	0.058 U	0.046 U
Aroclor 1242	SW8082A	0.047 U	0.047 U	0.055 U	0.050 U	0.058 U	0.046 U
Aroclor 1248	SW8082A	0.047 U	0.047 U	0.055 U	0.050 U	0.058 U	0.046 U
Aroclor 1254	SW8082A	2.62 J	1.02	2.28 J	0.823	2.94 J	1.5
Aroclor 1260	SW8082A	9.73	3.72	8.72	4.23	11	6.12
Total PCB Aroclors (U = 0 max limit)		12.4 J	4.74	11.0 J	5.05	14 J	7.6

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-147-34-221102-00-01 11/2/2022	RB-E-147-56-220928-00-01 9/28/2022	RB-E-147-70-221102-00-01 11/2/2022	RB-E-147-84-220928-00-01 9/28/2022	RB-E-148-01-221102-00-01 11/2/2022	RB-E-148-18-221102-00-01 11/2/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	40.3	--	--	49.7	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	56.8	61.9	64.9	64.3	67.7	68.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	0	--
Percent passing (hydrometer 1)	D422	--	18	--	--	32	--
Percent passing (hydrometer 2)	D422	--	6	--	--	13	--
Percent passing (hydrometer 3)	D422	--	4	--	--	5.7	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	45.8	--	--	72.2	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	100	--
Percent passing 50-micron sieve	D422	--	91.9	--	--	93.8	--
Percent passing 75-micron sieve (No. 200)	D422	--	29	--	--	52	--
Percent passing 8.0 micron	D422	--	100	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	99.9	--	--	99.6	--
Percent retained 30-micron sieve	D422	--	97.8	--	--	97.4	--
Sand	D422	--	71	--	--	48	--
Silt	D422	--	29	--	--	52	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.058 U	0.051 U	0.051 U	0.049 U	0.048 U	0.048 U
Aroclor 1221	SW8082A	0.058 U	0.051 U	0.051 U	0.049 U	0.048 U	0.048 U
Aroclor 1232	SW8082A	0.058 U	0.051 U	0.051 U	0.049 U	0.048 U	0.048 U
Aroclor 1242	SW8082A	0.058 U	0.051 U	0.051 U	0.049 U	0.048 U	0.048 U
Aroclor 1248	SW8082A	0.058 U	0.051 U	0.051 U	0.049 U	0.048 U	0.048 U
Aroclor 1254	SW8082A	1.84 J	1.54	1.09	4.86	2.9 J	2.02 J
Aroclor 1260	SW8082A	7.69	8.7	5.47	7.22	11	8.15
Total PCB Aroclors (U = 0 max limit)		9.53 J	10	6.56	12.1	14 J	10.2 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-148-39-221102-00-01 11/2/2022	RB-E-148-59-221102-00-01 11/2/2022	RB-E-148-77-221102-00-01 11/2/2022	RB-E-148-77-BD0001 11/2/2022	RB-E-148-97-221102-00-01 11/2/2022	RB-E-149-64-221102-00-01 11/2/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.3	67.7	73.1	72.9	74.9	62.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.047 U	0.044 U	0.045 U	0.043 U	0.053 U
Aroclor 1221	SW8082A	0.047 U	0.047 U	0.044 U	0.045 U	0.043 U	0.053 U
Aroclor 1232	SW8082A	0.047 U	0.047 U	0.044 U	0.045 U	0.043 U	0.053 U
Aroclor 1242	SW8082A	0.047 U	0.047 U	0.044 U	0.045 U	0.043 U	0.053 U
Aroclor 1248	SW8082A	0.047 U	0.047 U	0.044 U	0.045 U	0.043 U	0.053 U
Aroclor 1254	SW8082A	4.47 J	1.93 J	2.62 J	2.67 J	2.08	1.44
Aroclor 1260	SW8082A	13.4	8.1	10.5	10.6	9.2	5.96
Total PCB Aroclors (U = 0 max limit)		17.9 J	10 J	13.1 J	13.3 J	11	7.4

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-149-94-220929-00-01 9/29/2022	RB-E-150-24-221102-00-01 11/2/2022	RB-E-150-50-220929-00-01 9/29/2022	RB-E-150-76-221102-00-01 11/2/2022	RB-E-151-35-220929-00-01 9/29/2022	RB-E-151-35-230511-00-01 5/11/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.5	72	63.3	66	66.5	62.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.045 U	0.049 U	0.049 U	0.050 U	0.032 U
Aroclor 1221	SW8082A	0.046 U	0.045 U	0.049 U	0.049 U	0.050 U	0.032 U
Aroclor 1232	SW8082A	0.046 U	0.045 U	0.049 U	0.049 U	0.050 U	0.032 U
Aroclor 1242	SW8082A	0.046 U	0.045 U	0.049 U	0.049 U	0.050 U	0.032 U
Aroclor 1248	SW8082A	0.046 U	0.045 U	0.049 U	0.049 U	1.77	0.032 U
Aroclor 1254	SW8082A	0.684	2.01 J	0.897	1.96	2.2	0.032 U
Aroclor 1260	SW8082A	5.48	9.1 J	4.46	8.94	8.3	8.82
Total PCB Aroclors (U = 0 max limit)		6.16	11 J	5.36	10.9	12	8.82

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-151-53-221102-00-01 11/2/2022	RB-E-151-73-220929-00-01 9/29/2022	RB-E-151-97-221102-00-01 11/2/2022	RB-E-152-21-220929-00-01 9/29/2022	RB-E-152-39-221028-00-01 10/28/2022	RB-E-152-65-220929-00-01 9/29/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	47.3	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	56.9	53.8	57.6	74.6	69.5	68.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	22	--
Percent passing (hydrometer 2)	D422	--	--	--	--	8	--
Percent passing (hydrometer 3)	D422	--	--	--	--	4	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	54.9	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	95.5	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	42.3	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	100	--
Percent retained 30-micron sieve	D422	--	--	--	--	99	--
Sand	D422	--	--	--	--	57.7	--
Silt	D422	--	--	--	--	42.3	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.057 U	0.062 U	0.057 U	0.041 U	0.045 U	0.047 U
Aroclor 1221	SW8082A	0.057 U	0.062 U	0.057 U	0.041 U	0.045 U	0.047 U
Aroclor 1232	SW8082A	0.057 U	0.062 U	0.057 U	0.041 U	0.045 U	0.047 U
Aroclor 1242	SW8082A	0.057 U	0.062 U	0.057 U	0.041 U	0.045 U	0.047 U
Aroclor 1248	SW8082A	0.057 U	0.062 U	0.057 U	0.041 U	0.045 U	0.047 U
Aroclor 1254	SW8082A	1.56	1.7	2.68	0.816	1.67	0.047 U
Aroclor 1260	SW8082A	7.04	8.35	9.9	4.12	6.04	0.047 U
Total PCB Aroclors (U = 0 max limit)		8.6	10	13	4.94	7.71	0.042 U

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-152-86-221028-00-01 10/28/2022	RB-E-153-11-220929-00-01 9/29/2022	RB-E-153-36-221028-00-01 10/28/2022	RB-E-153-60-220929-00-01 9/29/2022	RB-E-153-85-221028-00-01 10/28/2022	RB-E-153-85-BD0001 10/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.6	60.6	78.4	73.9	63.2	62.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.055 U	0.042 U	0.044 U	0.052 U	0.053 U
Aroclor 1221	SW8082A	0.048 U	0.055 U	0.042 U	0.044 U	0.052 U	0.053 U
Aroclor 1232	SW8082A	0.048 U	0.055 U	0.042 U	0.044 U	0.052 U	0.053 U
Aroclor 1242	SW8082A	0.048 U	0.055 U	0.042 U	0.044 U	0.052 U	0.053 U
Aroclor 1248	SW8082A	0.048 U	0.055 U	0.042 U	0.044 U	0.052 U	0.053 U
Aroclor 1254	SW8082A	1.21	2.07	0.042 U	0.044 U	1.01	1.61
Aroclor 1260	SW8082A	5.61	8.81	0.0772	0.0217 J	4.99 J	8.5 J
Total PCB Aroclors (U = 0 max limit)		6.82	10.9	0.0772	0.0217 J	6.00 J	10 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-154-09-220929-00-01 9/29/2022	RB-E-154-36-221028-00-01 10/28/2022	RB-E-154-62-220929-00-01 9/29/2022	RB-E-154-87-221028-00-01 10/28/2022	RB-E-155-07-220929-00-01 9/29/2022	RB-E-155-30-221028-00-01 10/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	52.3	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	74.6	62	64.7	70.3	65.4	61.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	22	--	--	--
Percent passing (hydrometer 2)	D422	--	--	8	--	--	--
Percent passing (hydrometer 3)	D422	--	--	3.2	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	55.6	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	95.3	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	39.4	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	98.8	--	--	--
Sand	D422	--	--	60.6	--	--	--
Silt	D422	--	--	39.4	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.052 U	0.050 U	0.046 U	0.049 U	0.052 U
Aroclor 1221	SW8082A	0.044 U	0.052 U	0.050 U	0.046 U	0.049 U	0.052 U
Aroclor 1232	SW8082A	0.044 U	0.052 U	0.050 U	0.046 U	0.049 U	0.052 U
Aroclor 1242	SW8082A	0.044 U	0.052 U	0.050 U	0.046 U	0.049 U	0.052 U
Aroclor 1248	SW8082A	0.044 U	0.052 U	0.050 U	0.046 U	0.049 U	0.052 U
Aroclor 1254	SW8082A	0.044 U	1.42	1.25	1.16	1.4	0.878
Aroclor 1260	SW8082A	0.044 U	8.72	6.34	6.22	6.3	4.04
Total PCB Aroclors (U = 0 max limit)		0.039 U	10.1	7.59	7.38	7.7	4.92

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-155-70-220929-00-01 9/29/2022	RB-E-155-90-221028-00-01 10/28/2022	RB-E-156-14-220929-00-01 9/29/2022	RB-E-156-37-221028-00-01 10/28/2022	RB-E-156-61-220929-00-01 9/29/2022	RB-E-156-84-221028-00-01 10/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.4	59.7	60.8	62.3	70.7	66.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.053 U	0.054 U	0.051 U	0.045 U	0.050 U
Aroclor 1221	SW8082A	0.044 U	0.053 U	0.054 U	0.051 U	0.045 U	0.050 U
Aroclor 1232	SW8082A	0.044 U	0.053 U	0.054 U	0.051 U	0.045 U	0.050 U
Aroclor 1242	SW8082A	0.044 U	0.053 U	0.054 U	0.051 U	0.045 U	0.050 U
Aroclor 1248	SW8082A	0.044 U	0.053 U	0.054 U	0.051 U	0.045 U	0.050 U
Aroclor 1254	SW8082A	1.26	3.72	7.73	2.23	0.045 U	1.16
Aroclor 1260	SW8082A	5.54	19	17.2	9.42	0.0617	6.46
Total PCB Aroclors (U = 0 max limit)		6.8	23	24.9	11.7	0.0617	7.62

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-156-99-220929-00-01 9/29/2022	RB-E-157-20-221028-00-01 10/28/2022	RB-E-157-42-220929-00-01 9/29/2022	RB-E-157-64-221028-00-01 10/28/2022	RB-E-157-79-220929-00-01 9/29/2022	RB-E-157-95-221028-00-01 10/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	61	67.1	58.8	63.9	75.5	49.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.054 U	0.049 U	0.055 U	0.052 U	0.043 U	0.063 U
Aroclor 1221	SW8082A	0.054 U	0.049 U	0.055 U	0.052 U	0.043 U	0.063 U
Aroclor 1232	SW8082A	0.054 U	0.049 U	0.055 U	0.052 U	0.043 U	0.063 U
Aroclor 1242	SW8082A	0.054 U	0.049 U	0.055 U	0.052 U	0.043 U	0.063 U
Aroclor 1248	SW8082A	0.054 U	0.049 U	0.055 U	0.052 U	0.043 U	0.063 U
Aroclor 1254	SW8082A	0.054 U	1.18	0.0666 J	1.01	0.043 U	0.063 U
Aroclor 1260	SW8082A	0.054 U	6.4	0.212	5.94	0.0807	0.807
Total PCB Aroclors (U = 0 max limit)		0.048 U	7.6	0.279 J	6.95	0.0807	0.807

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-158-12-220929-00-01 9/29/2022	RB-E-158-29-221028-00-01 10/28/2022	RB-E-158-48-220929-00-01 9/29/2022	RB-E-158-69-221028-00-01 10/28/2022	RB-E-158-87-220929-00-01 9/29/2022	RB-E-159-07-221028-00-01 10/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	10.3	14.8	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	85.8	66.3	75.2	89.4	85.7	75.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	8.9	22.7	--
Percent passing (hydrometer 1)	D422	--	--	--	6	14	--
Percent passing (hydrometer 2)	D422	--	--	--	3	8	--
Percent passing (hydrometer 3)	D422	--	--	--	2.4	6	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	96.9	78.8	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	85.4	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	19.9	35.5	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	82	75.2	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	91.1	77.3	--
Percent passing 50-micron sieve	D422	--	--	--	38.5	66.2	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	13.5	22.5	--
Percent passing 8.0 micron	D422	--	--	--	84	75.7	--
Percent retained 16,000-micron sieve	D422	--	--	--	74.9	73.8	--
Percent retained 30-micron sieve	D422	--	--	--	60.4	70.9	--
Sand	D422	--	--	--	77.6	54.8	--
Silt	D422	--	--	--	13.5	22.5	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.047 U	0.041 U	0.035 U	0.038 U	0.044 U
Aroclor 1221	SW8082A	0.037 U	0.047 U	0.041 U	0.035 U	0.038 U	0.044 U
Aroclor 1232	SW8082A	0.037 U	0.047 U	0.041 U	0.035 U	0.038 U	0.044 U
Aroclor 1242	SW8082A	0.037 U	0.047 U	0.041 U	0.035 U	0.038 U	0.044 U
Aroclor 1248	SW8082A	0.037 U	0.047 U	0.041 U	0.035 U	0.038 U	0.044 U
Aroclor 1254	SW8082A	0.172	0.187	0.041 U	0.035 U	0.0644	0.76
Aroclor 1260	SW8082A	0.813	1.09	0.0241 J	0.154	0.188	3.9
Total PCB Aroclors (U = 0 max limit)		0.985	1.28	0.0241 J	0.154	0.252	4.7

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-159-33-220929-00-01 9/29/2022	RB-E-159-55-221028-00-01 10/28/2022	RB-E-159-84-220929-00-01 9/29/2022	RB-E-160-12-221028-00-01 10/28/2022	RB-E-160-37-220929-00-01 9/29/2022	RB-E-160-37-BD0001 9/29/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	87.6	70.2	50.7	65.7	72	70.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.047 U	0.065 U	0.051 U	0.043 U	0.044 U
Aroclor 1221	SW8082A	0.034 U	0.047 U	0.065 U	0.051 U	0.043 U	0.044 U
Aroclor 1232	SW8082A	0.034 U	0.047 U	0.065 U	0.051 U	0.043 U	0.044 U
Aroclor 1242	SW8082A	0.034 U	0.047 U	0.065 U	0.051 U	0.043 U	0.044 U
Aroclor 1248	SW8082A	0.034 U	0.047 U	0.065 U	0.051 U	0.043 U	0.044 U
Aroclor 1254	SW8082A	0.621	0.758	1.24	1.16	0.864 J	0.817
Aroclor 1260	SW8082A	2.58	3.73	5.03	5.7	4.11 J	2.73
Total PCB Aroclors (U = 0 max limit)		3.2	4.49	6.27	6.9	4.97 J	3.55

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-160-60-221028-00-01 10/28/2022	RB-E-160-81-220929-00-01 9/29/2022	RB-E-161-04-221028-00-01 10/28/2022	RB-E-161-25-220929-00-01 9/29/2022	RB-E-161-41-230511-00-01 5/11/2023	RB-E-161-62-220929-00-01 9/29/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	59	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.5	70	63.3	65.1	60.8	81.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0.61	--	--
Percent passing (hydrometer 1)	D422	--	--	--	14	--	--
Percent passing (hydrometer 2)	D422	--	--	--	5	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3.1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	45.1	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99.3	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	99.4	--	--
Percent passing 50-micron sieve	D422	--	--	--	82.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	26.9	--	--
Percent passing 8.0 micron	D422	--	--	--	99.3	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	96.7	--	--
Percent retained 30-micron sieve	D422	--	--	--	95.4	--	--
Sand	D422	--	--	--	75.5	--	--
Silt	D422	--	--	--	26.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.043 U	0.050 U	0.046 U	0.033 U	0.036 U
Aroclor 1221	SW8082A	0.043 U	0.043 U	0.050 U	0.046 U	0.033 U	0.036 U
Aroclor 1232	SW8082A	0.043 U	0.043 U	0.050 U	0.046 U	0.033 U	0.036 U
Aroclor 1242	SW8082A	0.043 U	0.043 U	0.050 U	0.046 U	0.033 U	0.036 U
Aroclor 1248	SW8082A	0.043 U	0.043 U	0.050 U	0.046 U	0.033 U	0.036 U
Aroclor 1254	SW8082A	0.643	0.617	1.16	0.363	0.033 U	0.0368
Aroclor 1260	SW8082A	2.5	1.76	6.81	1.53	2.77	0.137 U
Total PCB Aroclors (U = 0 max limit)		3.1	2.38	7.97	1.89	2.77	0.0368

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-161-87-221028-00-01 10/28/2022	RB-E-162-12-220929-00-01 9/29/2022	RB-E-162-36-221028-00-01 10/28/2022	RB-E-162-64-220929-00-01 9/29/2022	RB-E-162-84-221028-00-01 10/28/2022	RB-E-163-09-220929-00-01 9/29/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	80.9	79.7	78.7	70.8	71.1	72.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.039 U	0.041 U	0.043 U	0.047 U	0.041 U
Aroclor 1221	SW8082A	0.041 U	0.039 U	0.041 U	0.043 U	0.047 U	0.041 U
Aroclor 1232	SW8082A	0.041 U	0.039 U	0.041 U	0.043 U	0.047 U	0.041 U
Aroclor 1242	SW8082A	0.041 U	0.039 U	0.041 U	0.043 U	0.047 U	0.041 U
Aroclor 1248	SW8082A	0.041 U	0.039 U	0.041 U	0.043 U	0.047 U	0.041 U
Aroclor 1254	SW8082A	0.041 U	0.0757	0.041 U	0.138	0.047 U	0.171
Aroclor 1260	SW8082A	0.0871	0.418	0.971	0.471	1.79	0.656
Total PCB Aroclors (U = 0 max limit)		0.0871	0.494	0.971	0.609	1.79	0.827

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-163-33-230511-00-01 5/11/2023	RB-E-163-60-221003-00-01 10/3/2022	RB-E-163-95-230511-00-01 5/11/2023	RB-E-164-15-221003-00-01 10/3/2022	RB-E-164-39-230511-00-01 5/11/2023	RB-E-164-58-221003-00-01 10/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	86.1	62.9	81.2	71.1	58.9	76.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.022 U	0.053 U	0.025 U	0.043 U	0.033 U	0.040 U
Aroclor 1221	SW8082A	0.022 U	0.053 U	0.025 U	0.043 U	0.033 U	0.040 U
Aroclor 1232	SW8082A	0.022 U	0.053 U	0.025 U	0.043 U	0.033 U	0.040 U
Aroclor 1242	SW8082A	0.022 U	0.053 U	0.025 U	0.043 U	0.033 U	0.040 U
Aroclor 1248	SW8082A	0.022 U	0.053 U	0.025 U	0.043 U	0.033 U	0.040 U
Aroclor 1254	SW8082A	0.022 U	1.01	0.025 U	1.37	0.033 U	0.0423
Aroclor 1260	SW8082A	7.87	3.92	7.73	5.33	3.76	0.145
Total PCB Aroclors (U = 0 max limit)		7.87	4.93	7.73	6.7	3.76	0.187

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-164-84-230511-00-01 5/11/2023	RB-E-165-11-221003-00-01 10/3/2022	RB-E-165-32-230511-00-01 5/11/2023	RB-E-165-55-221003-00-01 10/3/2022	RB-E-165-83-230511-00-01 5/11/2023	RB-E-166-07-221003-00-01 10/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.5	74.7	83.4	78.4	71.7	74
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.042 U	0.021 U	0.038 U	0.027 U	0.042 U
Aroclor 1221	SW8082A	0.027 U	0.042 U	0.021 U	0.038 U	0.027 U	0.042 U
Aroclor 1232	SW8082A	0.027 U	0.042 U	0.021 U	0.038 U	0.027 U	0.042 U
Aroclor 1242	SW8082A	0.027 U	0.042 U	0.021 U	0.038 U	0.027 U	0.042 U
Aroclor 1248	SW8082A	0.027 U	0.042 U	0.021 U	0.038 U	0.027 U	0.042 U
Aroclor 1254	SW8082A	0.027 U	0.126	0.021 U	0.0312 J	0.027 U	0.81 J
Aroclor 1260	SW8082A	7.67	0.791	16.9	0.182	4.71	4.91
Total PCB Aroclors (U = 0 max limit)		7.67	0.917	16.9	0.213 J	4.71	5.7 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-166-30-221031-00-01 10/31/2022	RB-E-166-56-221003-00-01 10/3/2022	RB-E-166-83-221031-00-01 10/31/2022	RB-E-167-04-221003-00-01 10/3/2022	RB-E-167-29-221031-00-01 10/31/2022	RB-E-167-56-221003-00-01 10/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	77
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60	69.6	64.2	52.9	59.5	55.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	1.7
Percent passing (hydrometer 1)	D422	--	--	--	--	--	24
Percent passing (hydrometer 2)	D422	--	--	--	--	--	8
Percent passing (hydrometer 3)	D422	--	--	--	--	--	3.2
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	98.6
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	65.4
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	97
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	98.6
Percent passing 50-micron sieve	D422	--	--	--	--	--	88
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	47.8
Percent passing 8.0 micron	D422	--	--	--	--	--	98.3
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	96.1
Percent retained 30-micron sieve	D422	--	--	--	--	--	93.1
Sand	D422	--	--	--	--	--	50.5
Silt	D422	--	--	--	--	--	47.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.054 U	0.046 U	0.052 U	0.058 U	0.054 U	0.056 U
Aroclor 1221	SW8082A	0.054 U	0.046 U	0.052 U	0.058 U	0.054 U	0.056 U
Aroclor 1232	SW8082A	0.054 U	0.046 U	0.052 U	0.058 U	0.054 U	0.056 U
Aroclor 1242	SW8082A	0.054 U	0.046 U	0.052 U	0.058 U	0.054 U	0.056 U
Aroclor 1248	SW8082A	0.054 U	0.046 U	0.052 U	0.058 U	0.054 U	0.056 U
Aroclor 1254	SW8082A	1.41 J	0.918	3.36 J	0.883	3.71 J	0.64
Aroclor 1260	SW8082A	5.74 J	4.41	17.5 J	3.3	17.4 J	2.57
Total PCB Aroclors (U = 0 max limit)		7.15 J	5.33	20.9 J	4.2	21.1 J	3.2

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-167-99-221031-00-01 10/31/2022	RB-E-168-26-221003-00-01 10/3/2022	RB-E-168-46-221031-00-01 10/31/2022	RB-E-168-70-221003-00-01 10/3/2022	RB-E-168-95-221031-00-01 10/31/2022	RB-E-169-26-221003-00-01 10/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	61.4	60.8	65.1	60.1	61.2	64.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.054 U	0.049 U	0.049 U	0.050 U	0.053 U	0.047 U
Aroclor 1221	SW8082A	0.054 U	0.049 U	0.049 U	0.050 U	0.053 U	0.047 U
Aroclor 1232	SW8082A	0.054 U	0.049 U	0.049 U	0.050 U	0.053 U	0.047 U
Aroclor 1242	SW8082A	0.054 U	0.049 U	0.049 U	0.050 U	0.053 U	0.047 U
Aroclor 1248	SW8082A	0.054 U	0.049 U	0.049 U	0.050 U	0.053 U	0.047 U
Aroclor 1254	SW8082A	1.57 J	0.505	2.69 J	0.465	3.1 J	0.732
Aroclor 1260	SW8082A	6.95 J	1.97	11.4 J	2.42	14.6 J	3.43
Total PCB Aroclors (U = 0 max limit)		8.52 J	2.48	14.1 J	2.89	18 J	4.16

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-169-48-221031-00-01 10/31/2022	RB-E-169-57-221003-00-01 10/3/2022	RB-E-169-57-BD0001 10/3/2022	RB-E-169-80-221031-00-01 10/31/2022	RB-E-170-01-221003-00-01 10/3/2022	RB-E-170-26-221031-00-01 10/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	47.1	67.1	64.7	53.3	64.3	64.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.069 U	0.047 U	0.048 U	0.062 U	0.048 U	0.050 U
Aroclor 1221	SW8082A	0.069 U	0.047 U	0.048 U	0.062 U	0.048 U	0.050 U
Aroclor 1232	SW8082A	0.069 U	0.047 U	0.048 U	0.062 U	0.048 U	0.050 U
Aroclor 1242	SW8082A	0.069 U	0.047 U	0.048 U	0.062 U	0.048 U	0.050 U
Aroclor 1248	SW8082A	0.069 U	0.047 U	0.048 U	0.062 U	0.048 U	0.050 U
Aroclor 1254	SW8082A	3.42 J	0.846	0.591 J	2.33 J	0.638	2.08 J
Aroclor 1260	SW8082A	12.4 J	4.49	3.17	10.1 J	3.63	11.4 J
Total PCB Aroclors (U = 0 max limit)		15.8 J	5.34	3.76 J	12.4 J	4.27	13.5 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-170-49-221003-00-01 10/3/2022	RB-E-170-71-221031-00-01 10/31/2022	RB-E-170-96-221003-00-01 10/3/2022	RB-E-171-14-221031-00-01 10/31/2022	RB-E-171-43-221003-00-01 10/3/2022	RB-E-171-67-221031-00-01 10/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	46.2	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60.6	61.8	63.4	67.6	68.8	63.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	36	--	--
Percent passing (hydrometer 2)	D422	--	--	--	10	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	65.2	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	95.6	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	50.4	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.9	--	--
Sand	D422	--	--	--	49.6	--	--
Silt	D422	--	--	--	50.4	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.050 U	0.052 U	0.048 U	0.047 U	0.044 U	0.052 U
Aroclor 1221	SW8082A	0.050 U	0.052 U	0.048 U	0.047 U	0.044 U	0.052 U
Aroclor 1232	SW8082A	0.050 U	0.052 U	0.048 U	0.047 U	0.044 U	0.052 U
Aroclor 1242	SW8082A	0.050 U	0.052 U	0.048 U	0.047 U	0.044 U	0.052 U
Aroclor 1248	SW8082A	0.050 U	0.052 U	0.048 U	0.047 U	0.044 U	0.052 U
Aroclor 1254	SW8082A	0.451	1.94 J	0.552	27.6	4.22	2.7 J
Aroclor 1260	SW8082A	2.11	7.95 J	2.82	43.9	21.4	10.4 J
Total PCB Aroclors (U = 0 max limit)		2.56	9.89 J	3.37	71.5	25.6	13 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-171-88-221003-00-01 10/3/2022	RB-E-172-11-221031-00-01 10/31/2022	RB-E-172-33-221003-00-01 10/3/2022	RB-E-172-57-221031-00-01 10/31/2022	RB-E-172-71-221003-00-01 10/3/2022	RB-E-172-89-221031-00-01 10/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	87.3	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	58.5	64.6	53.5	61.6	64.2	67.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	34	--	--	--
Percent passing (hydrometer 2)	D422	--	--	9	--	--	--
Percent passing (hydrometer 3)	D422	--	--	3.3	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	72.1	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	94.2	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	52.8	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.8	--	--	--
Percent retained 30-micron sieve	D422	--	--	97.8	--	--	--
Sand	D422	--	--	47.2	--	--	--
Silt	D422	--	--	52.8	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.051 U	0.056 U	0.051 U	0.049 U	0.047 U
Aroclor 1221	SW8082A	0.051 U	0.051 U	0.056 U	0.051 U	0.049 U	0.047 U
Aroclor 1232	SW8082A	0.051 U	0.051 U	0.056 U	0.051 U	0.049 U	0.047 U
Aroclor 1242	SW8082A	0.051 U	0.051 U	0.056 U	0.051 U	0.049 U	0.047 U
Aroclor 1248	SW8082A	0.051 U	0.051 U	0.056 U	0.051 U	0.049 U	0.047 U
Aroclor 1254	SW8082A	3.83	3.23 J	1.57	1.62	1.12	3.48 J
Aroclor 1260	SW8082A	13.3	11.8 J	4.03	5.51	4.97	13.6 J
Total PCB Aroclors (U = 0 max limit)		17.1	15.0 J	5.6	7.13	6.09	17.1 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-173-09-221003-00-01 10/3/2022	RB-E-173-20-221031-00-01 10/31/2022	RB-E-173-20-BD0001 10/31/2022	RB-E-173-31-221003-00-01 10/3/2022	RB-E-173-49-221031-00-01 10/31/2022	RB-E-173-75-221003-00-01 10/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	49.4	77.8	81.6	68.9	84.8	82.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.060 U	0.041 U	0.039 U	0.047 U	0.039 U	0.039 U
Aroclor 1221	SW8082A	0.060 U	0.041 U	0.039 U	0.047 U	0.039 U	0.039 U
Aroclor 1232	SW8082A	0.060 U	0.041 U	0.039 U	0.047 U	0.039 U	0.039 U
Aroclor 1242	SW8082A	0.060 U	0.041 U	0.039 U	0.047 U	0.039 U	0.039 U
Aroclor 1248	SW8082A	0.060 U	0.041 U	0.039 U	0.047 U	0.039 U	0.039 U
Aroclor 1254	SW8082A	9.92	1.32 J	0.969	0.617	0.78	0.709
Aroclor 1260	SW8082A	0.060 U	4.4 J	3.47	3.85	3.37	3.26
Total PCB Aroclors (U = 0 max limit)		9.92	5.7 J	4.44	4.47	4.2	3.97

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-174-00-221031-00-01 10/31/2022	RB-E-174-30-221003-00-01 10/3/2022	RB-E-174-54-221031-00-01 10/31/2022	RB-E-174-84-221003-00-01 10/3/2022	RB-E-174-84-230512-00-01 5/12/2023	RB-E-175-12-221031-00-01 10/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	85.8	79.6	92.2	85.4	77	78.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.041 U	0.036 U	0.036 U	0.025 U	0.041 U
Aroclor 1221	SW8082A	0.038 U	0.041 U	0.036 U	0.036 U	0.025 U	0.041 U
Aroclor 1232	SW8082A	0.038 U	0.041 U	0.036 U	0.036 U	0.025 U	0.041 U
Aroclor 1242	SW8082A	0.038 U	0.041 U	0.036 U	0.036 U	0.025 U	0.041 U
Aroclor 1248	SW8082A	0.038 U	0.041 U	0.036 U	0.036 U	0.025 U	0.041 U
Aroclor 1254	SW8082A	0.33	0.298	3.2	0.695	0.025 U	0.388
Aroclor 1260	SW8082A	1.71	1.66	14.9	6.21	0.715	2.06
Total PCB Aroclors (U = 0 max limit)		2	1.96	18	6.91	0.715	2.45

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-175-32-221003-00-01 10/3/2022	RB-E-175-59-221031-00-01 10/31/2022	RB-E-175-83-221003-00-01 10/3/2022	RB-E-176-10-221031-00-01 10/31/2022	RB-E-176-36-221003-00-01 10/3/2022	RB-E-176-59-221027-00-01 10/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	25.8	--	--	43.8	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.2	78.5	77	69.1	67.2	76.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	27.7	--	--	5.6	--	--
Percent passing (hydrometer 1)	D422	8	--	--	12	--	--
Percent passing (hydrometer 2)	D422	3	--	--	5	--	--
Percent passing (hydrometer 3)	D422	1	--	--	3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	79.8	--	--	98.3	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	94.3	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	23.3	--	--	45.4	--	--
Percent passing 2000-micron sieve (No. 10)	D422	66.3	--	--	83.5	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	72.3	--	--	94.4	--	--
Percent passing 50-micron sieve	D422	50.6	--	--	68.6	--	--
Percent passing 75-micron sieve (No. 200)	D422	15.2	--	--	31.9	--	--
Percent passing 8.0 micron	D422	67.3	--	--	86.7	--	--
Percent retained 16,000-micron sieve	D422	62.8	--	--	80.8	--	--
Percent retained 30-micron sieve	D422	57.5	--	--	77	--	--
Sand	D422	57.1	--	--	62.5	--	--
Silt	D422	15.2	--	--	31.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.041 U	0.038 U	0.047 U	0.047 U	0.043 U
Aroclor 1221	SW8082A	0.039 U	0.041 U	0.038 U	0.047 U	0.047 U	0.043 U
Aroclor 1232	SW8082A	0.039 U	0.041 U	0.038 U	0.047 U	0.047 U	0.043 U
Aroclor 1242	SW8082A	0.039 U	0.041 U	0.038 U	0.047 U	0.047 U	0.043 U
Aroclor 1248	SW8082A	0.039 U	0.041 U	0.038 U	0.047 U	0.047 U	0.043 U
Aroclor 1254	SW8082A	0.401	0.978	0.273	1.62	1.53	2.5 J
Aroclor 1260	SW8082A	2.09	3.26	1.73	5.5	8.93	10.4 J
Total PCB Aroclors (U = 0 max limit)		2.49	4.24	2	7.1	10.5	13 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-176-86-221004-00-01 10/4/2022	RB-E-177-07-221027-00-01 10/27/2022	RB-E-177-31-221004-00-01 10/4/2022	RB-E-177-61-221027-00-01 10/27/2022	RB-E-177-93-221004-00-01 10/4/2022	RB-E-178-18-221027-00-01 10/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	28.5	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.9	68.3	64.3	76.7	62.2	64.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	19	--	--
Percent passing (hydrometer 2)	D422	--	--	--	6	--	--
Percent passing (hydrometer 3)	D422	--	--	--	4.8	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	43.5	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	85.6	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	30.6	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	98.8	--	--
Sand	D422	--	--	--	69.4	--	--
Silt	D422	--	--	--	30.6	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.047 U	0.048 UJ	0.043 U	0.050 UJ	0.049 U
Aroclor 1221	SW8082A	0.044 U	0.047 U	0.048 UJ	0.043 U	0.050 UJ	0.049 U
Aroclor 1232	SW8082A	0.044 U	0.047 U	0.048 UJ	0.043 U	0.050 UJ	0.049 U
Aroclor 1242	SW8082A	0.044 U	0.047 U	0.048 UJ	0.043 U	0.050 UJ	0.049 U
Aroclor 1248	SW8082A	0.044 U	0.047 U	0.048 UJ	0.043 U	0.050 UJ	0.049 U
Aroclor 1254	SW8082A	0.558	2.16	5.08 J	4.71 J	0.0999 J	1.61
Aroclor 1260	SW8082A	2.12	11.6	16.3 J	44.2	0.0956 J	11
Total PCB Aroclors (U = 0 max limit)		2.68	13.8	21.4 J	48.9 J	0.196 J	13

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-178-40-221004-00-01 10/4/2022	RB-E-178-65-221027-00-01 10/27/2022	RB-E-178-91-221004-00-01 10/4/2022	RB-E-179-16-221027-00-01 10/27/2022	RB-E-179-40-221004-00-01 10/4/2022	RB-E-179-65-221027-00-01 10/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.8	54.3	62.9	61.3	70.7	66.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 UJ	0.058 U	0.052 UJ	0.054 U	0.043 U	0.050 U
Aroclor 1221	SW8082A	0.044 UJ	0.058 U	0.052 UJ	0.054 U	0.043 U	0.050 U
Aroclor 1232	SW8082A	0.044 UJ	0.058 U	0.052 UJ	0.054 U	0.043 U	0.050 U
Aroclor 1242	SW8082A	0.044 UJ	0.058 U	0.052 UJ	0.054 U	0.043 U	0.050 U
Aroclor 1248	SW8082A	-- R	0.058 U	0.052 UJ	0.054 U	0.043 U	0.050 U
Aroclor 1254	SW8082A	-- R	1.86	0.312 J	2.08	1.06	1.91 J
Aroclor 1260	SW8082A	0.0423 J	6.79	0.975 J	7.28	2.45	6.77 J
Total PCB Aroclors (U = 0 max limit)		0.0423 J	8.65	1.29 J	9.36	3.51	8.68 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-179-88-221004-00-01 10/4/2022	RB-E-180-14-221027-00-01 10/27/2022	RB-E-180-33-221004-00-01 10/4/2022	RB-E-180-58-221027-00-01 10/27/2022	RB-E-180-84-221004-00-01 10/4/2022	RB-E-181-07-221027-00-01 10/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	45.2	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.1	67.5	68.1	68.8	63.9	69
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	2	--	--
Percent passing (hydrometer 2)	D422	--	--	--	6	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	58.9	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	92.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	43.3	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.9	--	--
Sand	D422	--	--	--	56.7	--	--
Silt	D422	--	--	--	43.3	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.049 U	0.048 U	0.044 UJ	0.047 U	0.050 UJ	0.047 U
Aroclor 1221	SW8082A	0.049 U	0.048 U	0.044 UJ	0.047 U	0.050 UJ	0.047 U
Aroclor 1232	SW8082A	0.049 U	0.048 U	0.044 UJ	0.047 U	0.050 UJ	0.047 U
Aroclor 1242	SW8082A	0.049 U	0.048 U	0.044 UJ	0.047 U	0.050 UJ	0.047 U
Aroclor 1248	SW8082A	0.049 U	0.048 U	0.044 UJ	0.047 U	0.050 UJ	0.047 U
Aroclor 1254	SW8082A	1.16	2.22 J	0.044 UJ	1.95 J	0.050 UJ	6.12 J
Aroclor 1260	SW8082A	3.44	12.6 J	0.0405 J	10.4 J	0.050 UJ	21.6 J
Total PCB Aroclors (U = 0 max limit)		4.6	14.8 J	0.0405 J	12.4 J	0.05 UJ	27.7 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-181-07-230512-00-01 5/12/2023	RB-E-181-35-221004-00-01 10/4/2022	RB-E-181-60-221027-00-01 10/27/2022	RB-E-181-82-221004-00-01 10/4/2022	RB-E-182-02-221027-00-01 10/27/2022	RB-E-182-22-221004-00-01 10/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	49.1	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	61.8	65	60.6	70.5	54.8	69.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	23	--	--	--	--
Percent passing (hydrometer 2)	D422	--	7	--	--	--	--
Percent passing (hydrometer 3)	D422	--	3	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	59.5	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	95	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	36.6	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.8	--	--	--	--
Percent retained 30-micron sieve	D422	--	98.2	--	--	--	--
Sand	D422	--	63.4	--	--	--	--
Silt	D422	--	36.6	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.032 U	0.050 U	0.054 U	0.045 U	0.058 U	0.046 U
Aroclor 1221	SW8082A	0.032 U	0.050 U	0.054 U	0.045 U	0.058 U	0.046 U
Aroclor 1232	SW8082A	0.032 U	0.050 U	0.054 U	0.045 U	0.058 U	0.046 U
Aroclor 1242	SW8082A	0.032 U	0.050 U	0.054 U	0.045 U	0.058 U	0.046 U
Aroclor 1248	SW8082A	0.032 U	0.050 U	0.054 U	0.045 U	0.058 U	0.046 U
Aroclor 1254	SW8082A	0.032 U	1.08	2.41 J	7.98	2.47 J	1.75
Aroclor 1260	SW8082A	2.85	4.42	12.2 J	61.3	11.3 J	6.63
Total PCB Aroclors (U = 0 max limit)		2.85	5.5	14.6 J	69.3	13.8 J	8.38

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-182-36-221027-00-01 10/27/2022	RB-E-182-53-221004-00-01 10/4/2022	RB-E-182-71-230516-00-01 5/16/2023	RB-E-182-92-221004-00-01 10/4/2022	RB-E-183-16-230516-00-01 5/16/2023	RB-E-183-39-230516-00-01 5/16/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	55.5	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	58	68.2	71.7	71.2	77.4	86.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	1.3	--	--	--	--	--
Percent passing (hydrometer 1)	D422	22	--	--	--	--	--
Percent passing (hydrometer 2)	D422	7	--	--	--	--	--
Percent passing (hydrometer 3)	D422	3	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	55.8	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	93	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	98.7	--	--	--	--	--
Percent passing 50-micron sieve	D422	79.8	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	39.5	--	--	--	--	--
Percent passing 8.0 micron	D422	95.1	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	93	--	--	--	--	--
Percent retained 30-micron sieve	D422	88.4	--	--	--	--	--
Sand	D422	59.3	--	--	--	--	--
Silt	D422	39.5	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.056 U	0.048 U	0.028 U	0.045 U	0.026 U	0.022 U
Aroclor 1221	SW8082A	0.056 U	0.048 U	0.028 U	0.045 U	0.026 U	0.022 U
Aroclor 1232	SW8082A	0.056 U	0.048 U	0.028 U	0.045 U	0.026 U	0.022 U
Aroclor 1242	SW8082A	0.056 U	0.048 U	0.028 U	0.045 U	0.026 U	0.022 U
Aroclor 1248	SW8082A	0.056 U	0.048 U	0.028 U	0.045 U	0.026 U	0.022 U
Aroclor 1254	SW8082A	1.91 J	0.048 U	0.028 U	4.01 J	0.026 U	0.022 U
Aroclor 1260	SW8082A	8.86 J	1.29	4.2	43.6	2.56	1.69
Total PCB Aroclors (U = 0 max limit)		10.8 J	1.29	4.2	47.6 J	2.56	1.69

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-183-56-230516-00-01 5/16/2023	RB-E-183-75-221006-00-01 10/6/2022	RB-E-183-98-221027-00-01 10/27/2022	RB-E-184-23-221006-00-01 10/6/2022	RB-E-184-53-221027-00-01 10/27/2022	RB-E-184-82-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	34.3	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.9	65.3	62.8	67.9	66	76.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	32	--	--	--	--
Percent passing (hydrometer 1)	D422	--	17	--	--	--	--
Percent passing (hydrometer 2)	D422	--	7.6	--	--	--	--
Percent passing (hydrometer 3)	D422	--	2.9	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	77	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	85.2	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	34.5	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	60.1	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	68	--	--	--	--
Percent passing 50-micron sieve	D422	--	49.1	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	24.7	--	--	--	--
Percent passing 8.0 micron	D422	--	61.7	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	55.9	--	--	--	--
Percent retained 30-micron sieve	D422	--	52.3	--	--	--	--
Sand	D422	--	43.3	--	--	--	--
Silt	D422	--	24.7	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.046 U	0.051 U	0.048 U	0.049 U	0.043 U
Aroclor 1221	SW8082A	0.026 U	0.046 U	0.051 U	0.048 U	0.049 U	0.043 U
Aroclor 1232	SW8082A	0.026 U	0.046 U	0.051 U	0.048 U	0.049 U	0.043 U
Aroclor 1242	SW8082A	0.026 U	0.046 U	0.051 U	0.048 U	0.049 U	0.043 U
Aroclor 1248	SW8082A	0.026 U	0.046 U	0.051 U	0.048 U	0.049 U	0.043 U
Aroclor 1254	SW8082A	0.026 U	0.0877	1.08 J	1.6	5.83 J	1.54 J
Aroclor 1260	SW8082A	0.0283	0.672	5.46 J	6.85	27.4 J	6.45
Total PCB Aroclors (U = 0 max limit)		0.0283	0.76	6.54 J	8.4	33.2 J	7.99 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-185-09-221027-00-01 10/27/2022	RB-E-185-43-221006-00-01 10/6/2022	RB-E-185-43-BD0001 10/6/2022	RB-E-185-69-221027-00-01 10/27/2022	RB-E-185-94-221006-00-01 10/6/2022	RB-E-186-22-221027-00-01 10/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.1	75.7	72.5	50.9	57.1	70.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.043 U	0.044 U	0.065 U	0.057 U	0.046 U
Aroclor 1221	SW8082A	0.047 U	0.043 U	0.044 U	0.065 U	0.057 U	0.046 U
Aroclor 1232	SW8082A	0.047 U	0.043 U	0.044 U	0.065 U	0.057 U	0.046 U
Aroclor 1242	SW8082A	0.047 U	0.043 U	0.044 U	0.065 U	0.057 U	0.046 U
Aroclor 1248	SW8082A	0.047 U	0.043 U	0.044 U	0.065 U	0.057 U	0.046 U
Aroclor 1254	SW8082A	1.27 J	0.853	1.29	2.13 J	1.34	1.9 J
Aroclor 1260	SW8082A	7.94 J	5.23	7.42	10.5 J	5.95	7.88 J
Total PCB Aroclors (U = 0 max limit)		9.21 J	6.08	8.71	12.6 J	7.29	9.8 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-186-50-221006-00-01 10/6/2022	RB-E-186-83-221027-00-01 10/27/2022	RB-E-187-45-221006-00-01 10/6/2022	RB-E-187-92-221027-00-01 10/27/2022	RB-E-188-21-221006-00-01 10/6/2022	RB-E-188-48-230516-00-01 5/16/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	27.5	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60.8	51.3	57.4	70.5	61.3	63.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0.09	--
Percent passing (hydrometer 1)	D422	--	--	--	--	11	--
Percent passing (hydrometer 2)	D422	--	--	--	--	5.2	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3.1	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	23.8	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	99.6	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	99.9	--
Percent passing 50-micron sieve	D422	--	--	--	--	68	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	11.6	--
Percent passing 8.0 micron	D422	--	--	--	--	99.8	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.3	--
Percent retained 30-micron sieve	D422	--	--	--	--	95.4	--
Sand	D422	--	--	--	--	88.3	--
Silt	D422	--	--	--	--	11.6	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.054 U	0.063 U	0.058 U	0.045 U	0.052 U	0.029 U
Aroclor 1221	SW8082A	0.054 U	0.063 U	0.058 U	0.045 U	0.052 U	0.029 U
Aroclor 1232	SW8082A	0.054 U	0.063 U	0.058 U	0.045 U	0.052 U	0.029 U
Aroclor 1242	SW8082A	0.054 U	0.063 U	0.058 U	0.045 U	0.052 U	0.029 U
Aroclor 1248	SW8082A	0.054 U	0.063 U	0.058 U	0.045 U	0.052 U	0.029 U
Aroclor 1254	SW8082A	1.8	5.19 J	1.35	2.49 J	1.95	0.029 U
Aroclor 1260	SW8082A	6.7	16.4 J	6.08	10.3 J	7.68	0.0493
Total PCB Aroclors (U = 0 max limit)		8.5	21.6 J	7.43	12.8 J	9.63	0.0493

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-188-74-221006-00-01 10/6/2022	RB-E-188-92-230516-00-01 5/16/2023	RB-E-189-14-221006-00-01 10/6/2022	RB-E-189-33-230516-00-01 5/16/2023	RB-E-189-33-BD0001 5/16/2023	RB-E-189-55-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	31.2	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.1	61.8	64.7	63.4	56	71.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	8	--	--	--	--
Percent passing (hydrometer 2)	D422	--	3.1	--	--	--	--
Percent passing (hydrometer 3)	D422	--	3.1	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	17.6	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	46.6	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	10.6	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	100	--	--	--	--
Percent retained 30-micron sieve	D422	--	96.9	--	--	--	--
Sand	D422	--	89.4	--	--	--	--
Silt	D422	--	10.6	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.049 U	0.031 U	0.051 U	0.029 U	0.033 U	0.046 U
Aroclor 1221	SW8082A	0.049 U	0.031 U	0.051 U	0.029 U	0.033 U	0.046 U
Aroclor 1232	SW8082A	0.049 U	0.031 U	0.051 U	0.029 U	0.033 U	0.046 U
Aroclor 1242	SW8082A	0.049 U	0.031 U	0.051 U	0.029 U	0.033 U	0.046 U
Aroclor 1248	SW8082A	0.049 U	0.031 U	0.051 U	0.029 U	0.033 U	0.046 U
Aroclor 1254	SW8082A	1.88	0.031 U	3.93	0.029 U	0.033 U	1.21
Aroclor 1260	SW8082A	9.28	0.0698	16.8	0.193 J	0.0292 J	6.32
Total PCB Aroclors (U = 0 max limit)		11.2	0.0698	20.7	0.193 J	0.0292 J	7.53

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-189-81-221027-00-01 10/27/2022	RB-E-190-00-221006-00-01 10/6/2022	RB-E-190-22-221010-00-01 10/10/2022	RB-E-190-41-221027-00-01 10/27/2022	RB-E-190-41-BD0001 10/27/2022	RB-E-190-64-230516-00-01 5/16/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	83.1	77.9	84.5	93.3	92.6	70.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.041 U	0.035 U	0.035 U	0.034 U	0.026 U
Aroclor 1221	SW8082A	0.039 U	0.041 U	0.035 U	0.035 U	0.034 U	0.026 U
Aroclor 1232	SW8082A	0.039 U	0.041 U	0.035 U	0.035 U	0.034 U	0.026 U
Aroclor 1242	SW8082A	0.039 U	0.041 U	0.035 U	0.035 U	0.034 U	0.026 U
Aroclor 1248	SW8082A	0.039 U	0.041 U	0.035 U	0.035 U	0.034 U	0.026 U
Aroclor 1254	SW8082A	2.21 J	0.792	1.11 J	1.37 J	1.51 J	0.026 U
Aroclor 1260	SW8082A	11.2 J	4.12	7.61 J	8 J	11.2 J	0.0932
Total PCB Aroclors (U = 0 max limit)		13.4 J	4.91	8.72 J	9.4 J	12.7 J	0.0932

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-190-76-221010-00-01 10/10/2022	RB-E-190-98-221027-00-01 10/27/2022	RB-E-191-20-221010-00-01 10/10/2022	RB-E-191-39-221026-00-01 10/26/2022	RB-E-191-60-221010-00-01 10/10/2022	RB-E-191-82-221026-00-01 10/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	15.9	--	--	27.6
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	73.4	80	88.4	77.4	83.7	84.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	0
Percent passing (hydrometer 1)	D422	--	--	13	--	--	12
Percent passing (hydrometer 2)	D422	--	--	4.9	--	--	4.1
Percent passing (hydrometer 3)	D422	--	--	2.9	--	--	3
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	31	--	--	21.9
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	100
Percent passing 50-micron sieve	D422	--	--	75.4	--	--	54.4
Percent passing 75-micron sieve (No. 200)	D422	--	--	16.2	--	--	12.9
Percent passing 8.0 micron	D422	--	--	100	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	99.9	--	--	99.3
Percent retained 30-micron sieve	D422	--	--	96.4	--	--	92.7
Sand	D422	--	--	83.8	--	--	87
Silt	D422	--	--	16.2	--	--	12.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.041 U	0.033 U	0.042 U	0.035 U	0.038 U
Aroclor 1221	SW8082A	0.045 U	0.041 U	0.033 U	0.042 U	0.035 U	0.038 U
Aroclor 1232	SW8082A	0.045 U	0.041 U	0.033 U	0.042 U	0.035 U	0.038 U
Aroclor 1242	SW8082A	0.045 U	0.041 U	0.033 U	0.042 U	0.035 U	0.038 U
Aroclor 1248	SW8082A	0.045 U	0.041 U	0.033 U	0.042 U	0.035 U	0.038 U
Aroclor 1254	SW8082A	0.934 J	0.388 J	0.164 J	1.24 J	0.583 J	1.69 J
Aroclor 1260	SW8082A	4.96 J	2.69 J	1.04 J	9.67 J	3.5 J	11.3 J
Total PCB Aroclors (U = 0 max limit)		5.89 J	3.08 J	1.20 J	10.9 J	4.1 J	13.0 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-192-07-221026-00-01 10/26/2022	RB-E-192-07-BD0001 10/26/2022	RB-E-192-30-221010-00-01 10/10/2022	RB-E-192-53-221007-00-01 10/7/2022	RB-E-192-76-230516-00-01 5/16/2023	RB-E-193-09-221007-00-01 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	85.3	89.1	87.8	73.2	61.1	50.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.037 U	0.037 U	0.044 U	0.032 U	0.062 U
Aroclor 1221	SW8082A	0.038 U	0.037 U	0.037 U	0.044 U	0.032 U	0.062 U
Aroclor 1232	SW8082A	0.038 U	0.037 U	0.037 U	0.044 U	0.032 U	0.062 U
Aroclor 1242	SW8082A	0.038 U	0.037 U	0.037 U	0.044 U	0.032 U	0.062 U
Aroclor 1248	SW8082A	0.038 U	0.037 U	0.037 U	0.044 U	0.032 U	0.062 U
Aroclor 1254	SW8082A	1.46 J	1.96 J	1.26 J	0.18 J	0.032 U	1.59 J
Aroclor 1260	SW8082A	11.8 J	11.8 J	8.52 J	0.875	5.87	7.41
Total PCB Aroclors (U = 0 max limit)		13.3 J	13.8 J	9.78 J	1.1 J	5.87	9.00 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-193-32-221026-00-01 10/26/2022	RB-E-193-59-221007-00-01 10/7/2022	RB-E-193-82-221026-00-01 10/26/2022	RB-E-194-10-221007-00-01 10/7/2022	RB-E-194-35-221026-00-01 10/26/2022	RB-E-194-61-221007-00-01 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	84.1	52.3	80.2	63.8	74	58.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.063 U	0.040 U	0.050 U	0.041 U	0.056 U
Aroclor 1221	SW8082A	0.038 U	0.063 U	0.040 U	0.050 U	0.041 U	0.056 U
Aroclor 1232	SW8082A	0.038 U	0.063 U	0.040 U	0.050 U	0.041 U	0.056 U
Aroclor 1242	SW8082A	0.038 U	0.063 U	0.040 U	0.050 U	0.041 U	0.056 U
Aroclor 1248	SW8082A	0.038 U	0.063 U	0.040 U	0.050 U	0.041 U	0.056 U
Aroclor 1254	SW8082A	1.59 J	1.92	1.94 J	2.24	1.91 J	1.34
Aroclor 1260	SW8082A	10.3 J	8.61	10.4 J	8.47	8.57 J	5.64
Total PCB Aroclors (U = 0 max limit)		11.9 J	10.5	12.3 J	10.7	10.5 J	6.98

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-194-90-221026-00-01 10/26/2022	RB-E-195-15-221007-00-01 10/7/2022	RB-E-195-40-221026-00-01 10/26/2022	RB-E-195-64-221007-00-01 10/7/2022	RB-E-195-90-221026-00-01 10/26/2022	RB-E-196-20-221007-00-01 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	53.1	55.3	67.8	68.2	69.7	64.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.058 U	0.058 U	0.048 U	0.045 U	0.046 U	0.046 U
Aroclor 1221	SW8082A	0.058 U	0.058 U	0.048 U	0.045 U	0.046 U	0.046 U
Aroclor 1232	SW8082A	0.058 U	0.058 U	0.048 U	0.045 U	0.046 U	0.046 U
Aroclor 1242	SW8082A	0.058 U	0.058 U	0.048 U	0.045 U	0.046 U	0.046 U
Aroclor 1248	SW8082A	0.058 U	0.058 U	0.048 U	0.045 U	0.046 U	0.046 U
Aroclor 1254	SW8082A	2.11 J	2.67	3.22 J	1.54	1.54 J	1.48
Aroclor 1260	SW8082A	10.1 J	12.7	16.8 J	7.77	7.31 J	7.25
Total PCB Aroclors (U = 0 max limit)		12.2 J	15.4	20.0 J	9.31	8.85 J	8.73

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-196-44-221026-00-01 10/26/2022	RB-E-196-68-221007-00-01 10/7/2022	RB-E-196-92-221026-00-01 10/26/2022	RB-E-197-11-221007-00-01 10/7/2022	RB-E-197-35-221026-00-01 10/26/2022	RB-E-197-56-221010-00-01 10/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	63.1	61.8	83.7	69.6	77.3	81.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.050 U	0.052 U	0.038 U	0.048 U	0.043 U	0.039 U
Aroclor 1221	SW8082A	0.050 U	0.052 U	0.038 U	0.048 U	0.043 U	0.039 U
Aroclor 1232	SW8082A	0.050 U	0.052 U	0.038 U	0.048 U	0.043 U	0.039 U
Aroclor 1242	SW8082A	0.050 U	0.052 U	0.038 U	0.048 U	0.043 U	0.039 U
Aroclor 1248	SW8082A	0.050 U	0.052 U	0.038 U	0.048 U	0.043 U	0.039 U
Aroclor 1254	SW8082A	1.63 J	2.05 J	4.88 J	4.33 J	2.59 J	0.531 J
Aroclor 1260	SW8082A	8.58 J	9.24	52.9 J	36.8 J	14.9 J	3.99 J
Total PCB Aroclors (U = 0 max limit)		10.2 J	11.3 J	57.8 J	41.1 J	17.5 J	4.52 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-197-80-221026-00-01 10/26/2022	RB-E-197-97-221010-00-01 10/10/2022	RB-E-197-97-BD0001 10/10/2022	RB-E-198-21-221026-00-01 10/26/2022	RB-E-198-44-221010-00-01 10/10/2022	RB-E-198-65-221026-00-01 10/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	23.9
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	85.2	83.4	80.8	83.9	87.2	79.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	18
Percent passing (hydrometer 2)	D422	--	--	--	--	--	6
Percent passing (hydrometer 3)	D422	--	--	--	--	--	3
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	34.5
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	92.8
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	69.2
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	19.4
Percent passing 8.0 micron	D422	--	--	--	--	--	96.6
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	88.1
Percent retained 30-micron sieve	D422	--	--	--	--	--	82.5
Sand	D422	--	--	--	--	--	80.6
Silt	D422	--	--	--	--	--	19.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.038 U	0.040 U	0.036 U	0.035 U	0.038 U
Aroclor 1221	SW8082A	0.039 U	0.038 U	0.040 U	0.036 U	0.035 U	0.038 U
Aroclor 1232	SW8082A	0.039 U	0.038 U	0.040 U	0.036 U	0.035 U	0.038 U
Aroclor 1242	SW8082A	0.039 U	0.038 U	0.040 U	0.036 U	0.035 U	0.038 U
Aroclor 1248	SW8082A	0.039 U	0.038 U	0.040 U	0.036 U	0.035 U	0.038 U
Aroclor 1254	SW8082A	0.982 J	0.685 J	0.56 J	2.34 J	0.726 J	2.03 J
Aroclor 1260	SW8082A	6.56 J	3.98 J	3.4 J	19.7 J	5.18 J	12.7 J
Total PCB Aroclors (U = 0 max limit)		7.54 J	4.67 J	4.0 J	22.0 J	5.91 J	14.7 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-198-89-221010-00-01 10/10/2022	RB-E-199-12-221026-00-01 10/26/2022	RB-E-199-31-221007-00-01 10/7/2022	RB-E-199-52-221026-00-01 10/26/2022	RB-E-199-85-221007-00-01 10/7/2022	RB-E-200-03-221026-00-01 10/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	84.4	81.9	83.1	84.2	63.4	77.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.040 U	0.038 U	0.039 U	0.049 U	0.040 U
Aroclor 1221	SW8082A	0.037 U	0.040 U	0.038 U	0.039 U	0.049 U	0.040 U
Aroclor 1232	SW8082A	0.037 U	0.040 U	0.038 U	0.039 U	0.049 U	0.040 U
Aroclor 1242	SW8082A	0.037 U	0.040 U	0.038 U	0.039 U	0.049 U	0.040 U
Aroclor 1248	SW8082A	0.037 U	0.040 U	0.038 U	0.039 U	0.049 U	0.040 U
Aroclor 1254	SW8082A	2.43 J	3.44 J	1.36 J	1.55 J	3.22 J	1.43 J
Aroclor 1260	SW8082A	23 J	26.7 J	11 J	9.1 J	19.2 J	7.47 J
Total PCB Aroclors (U = 0 max limit)		25 J	30.1 J	12 J	11 J	22.4 J	8.90 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-200-33-221007-00-01 10/7/2022	RB-E-200-59-221026-00-01 10/26/2022	RB-E-200-89-221007-00-01 10/7/2022	RB-E-201-15-221026-00-01 10/26/2022	RB-E-201-41-221007-00-01 10/7/2022	RB-E-201-70-221026-00-01 10/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	59.6	71.4	49.4	63.4	58.9	70.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.054 U	0.043 U	0.065 U	0.050 U	0.054 U	0.042 U
Aroclor 1221	SW8082A	0.054 U	0.043 U	0.065 U	0.050 U	0.054 U	0.042 U
Aroclor 1232	SW8082A	0.054 U	0.043 U	0.065 U	0.050 U	0.054 U	0.042 U
Aroclor 1242	SW8082A	0.054 U	0.043 U	0.065 U	0.050 U	0.054 U	0.042 U
Aroclor 1248	SW8082A	0.054 U	0.043 U	0.065 U	0.050 U	0.054 U	0.042 U
Aroclor 1254	SW8082A	1.61 J	2.9 J	1.7 J	1.69 J	1.35 J	3.88 J
Aroclor 1260	SW8082A	8.63 J	13.5 J	10.4 J	7.52 J	7.44 J	28.6 J
Total PCB Aroclors (U = 0 max limit)		10.2 J	16 J	12 J	9.21 J	8.79 J	32.5 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-201-93-221007-00-01 10/7/2022	RB-E-202-20-221026-00-01 10/26/2022	RB-E-202-38-221007-00-01 10/7/2022	RB-E-202-61-221026-00-01 10/26/2022	RB-E-202-83-221007-00-01 10/7/2022	RB-E-203-00-221026-00-01 10/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	1.5	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	76.3	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	53.7	60.5	60.4	53.6	48.9	56.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	69	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0.38	--	--	--
Percent passing (hydrometer 1)	D422	--	--	22	--	--	--
Percent passing (hydrometer 2)	D422	--	--	9	--	--	--
Percent passing (hydrometer 3)	D422	--	--	3	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	55.1	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	95.8	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	99.6	--	--	--
Percent passing 50-micron sieve	D422	--	--	75.3	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	41.2	--	--	--
Percent passing 8.0 micron	D422	--	--	96.9	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	94.1	--	--	--
Percent retained 30-micron sieve	D422	--	--	87.3	--	--	--
Sand	D422	--	--	58.5	--	--	--
Silt	D422	--	--	41.2	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.060 U	0.052 U	0.054 U	0.061 U	0.067 U	0.057 U
Aroclor 1221	SW8082A	0.060 U	0.052 U	0.054 U	0.061 U	0.067 U	0.057 U
Aroclor 1232	SW8082A	0.060 U	0.052 U	0.054 U	0.061 U	0.067 U	0.057 U
Aroclor 1242	SW8082A	0.060 U	0.052 U	0.054 U	0.061 U	0.067 U	0.057 U
Aroclor 1248	SW8082A	0.060 U	0.052 U	0.054 U	0.061 U	0.067 U	0.057 U
Aroclor 1254	SW8082A	1.4 J	1.98 J	1.96 J	2.09 J	2.13 J	2.05 J
Aroclor 1260	SW8082A	8.35 J	7.31 J	13.2 J	7.45 J	11.3 J	7.37 J
Total PCB Aroclors (U = 0 max limit)		9.8 J	9.29 J	15.2 J	9.54 J	13.4 J	9.42 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-203-23-221010-00-01 10/10/2022	RB-E-203-40-221026-00-01 10/26/2022	RB-E-203-62-221010-00-01 10/10/2022	RB-E-203-78-230512-00-01 5/12/2023	RB-E-204-01-230512-00-01 5/12/2023	RB-E-204-26-230509-00-01 5/9/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	20.4	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.4	56.8	60.1	67	81.4	74.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	10.5	--
Percent passing (hydrometer 1)	D422	--	--	--	--	4	--
Percent passing (hydrometer 2)	D422	--	--	--	--	3.6	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3.6	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	14.2	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	71.8	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	89.5	--
Percent passing 50-micron sieve	D422	--	--	--	--	26.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	6.9	--
Percent passing 8.0 micron	D422	--	--	--	--	78.1	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	68.9	--
Percent retained 30-micron sieve	D422	--	--	--	--	62.4	--
Sand	D422	--	--	--	--	82.6	--
Silt	D422	--	--	--	--	6.9	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.058 U	0.050 U	0.030 U	0.024 U	0.025 U
Aroclor 1221	SW8082A	0.043 U	0.058 U	0.050 U	0.030 U	0.024 U	0.025 U
Aroclor 1232	SW8082A	0.043 U	0.058 U	0.050 U	0.030 U	0.024 U	0.025 U
Aroclor 1242	SW8082A	0.043 U	0.058 U	0.050 U	0.030 U	0.024 U	0.025 U
Aroclor 1248	SW8082A	0.043 U	0.058 U	0.050 U	0.030 U	0.024 U	0.025 U
Aroclor 1254	SW8082A	0.459 J	1.36 J	4.06 J	0.030 U	0.024 U	0.025 U
Aroclor 1260	SW8082A	3.19	5.39 J	10 J	0.66	0.114	0.0617
Total PCB Aroclors (U = 0 max limit)		3.65 J	6.75 J	14 J	0.66	0.114	0.0617

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-204-44-230509-00-01 5/9/2023	RB-E-204-63-230509-00-01 5/9/2023	RB-E-204-89-221010-00-01 10/10/2022	RB-E-205-07-230509-00-01 5/9/2023	RB-E-205-28-221010-00-01 10/10/2022	RB-E-205-48-230512-00-01 5/12/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	73.4	77.6	67.7	77.4	76.8	69.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.025 U	0.044 U	0.024 U	0.039 U	0.029 U
Aroclor 1221	SW8082A	0.026 U	0.025 U	0.044 U	0.024 U	0.039 U	0.029 U
Aroclor 1232	SW8082A	0.026 U	0.025 U	0.044 U	0.024 U	0.039 U	0.029 U
Aroclor 1242	SW8082A	0.026 U	0.025 U	0.044 U	0.024 U	0.039 U	0.029 U
Aroclor 1248	SW8082A	0.026 U	0.025 U	0.044 U	0.024 U	0.039 U	0.029 U
Aroclor 1254	SW8082A	0.026 U	0.025 U	0.349 J	0.024 U	0.26 J	0.029 U
Aroclor 1260	SW8082A	0.0308	0.0899	1.58 J	0.23	1.08 J	3.53
Total PCB Aroclors (U = 0 max limit)		0.0308	0.0899	1.93 J	0.23	1.3 J	3.53

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-205-67-221010-00-01 10/10/2022	RB-E-205-90-221026-00-01 10/26/2022	RB-E-206-07-221010-00-01 10/10/2022	RB-E-206-28-221026-00-01 10/26/2022	RB-E-206-47-221010-00-01 10/10/2022	RB-E-206-65-221026-00-01 10/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	1.8	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	51.9	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	56.3	80.2	69.6	82.4	72.5	81
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	41	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	15	--	--	--	--
Percent passing (hydrometer 2)	D422	--	6	--	--	--	--
Percent passing (hydrometer 3)	D422	--	4	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	28.6	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	85.2	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	19.5	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.4	--	--	--	--
Percent retained 30-micron sieve	D422	--	97.3	--	--	--	--
Sand	D422	--	80.5	--	--	--	--
Silt	D422	--	18.5	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.057 U	0.041 U	0.043 U	0.040 U	0.043 U	0.038 U
Aroclor 1221	SW8082A	0.057 U	0.041 U	0.043 U	0.040 U	0.043 U	0.038 U
Aroclor 1232	SW8082A	0.057 U	0.041 U	0.043 U	0.040 U	0.043 U	0.038 U
Aroclor 1242	SW8082A	0.057 U	0.041 U	0.043 U	0.040 U	0.043 U	0.038 U
Aroclor 1248	SW8082A	0.057 U	0.041 U	0.043 U	0.040 U	0.043 U	0.038 U
Aroclor 1254	SW8082A	2.11 J	0.958 J	0.0305 J	1.51 J	0.208 J	1.61 J
Aroclor 1260	SW8082A	12.9 J	4.9 J	0.191 J	7.68 J	0.87 J	8.64 J
Total PCB Aroclors (U = 0 max limit)		15.0 J	5.9 J	0.222 J	9.19 J	1.1 J	10.3 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-206-65-BD0001 10/26/2022	RB-E-206-79-221010-00-01 10/10/2022	RB-E-206-91-221026-00-01 10/26/2022	RB-E-207-08-221010-00-01 10/10/2022	RB-E-207-24-221026-00-01 10/26/2022	RB-E-207-45-221010-00-01 10/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	69.8
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	80.5	70	84.5	70.7	76.1	67.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	51
Percent passing (hydrometer 2)	D422	--	--	--	--	--	19
Percent passing (hydrometer 3)	D422	--	--	--	--	--	5
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	85.1
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	95.7
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	71.8
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	100
Percent retained 30-micron sieve	D422	--	--	--	--	--	98.2
Sand	D422	--	--	--	--	--	28.2
Silt	D422	--	--	--	--	--	71.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.044 U	0.037 U	0.043 U	0.041 U	0.046 U
Aroclor 1221	SW8082A	0.039 U	0.044 U	0.037 U	0.043 U	0.041 U	0.046 U
Aroclor 1232	SW8082A	0.039 U	0.044 U	0.037 U	0.043 U	0.041 U	0.046 U
Aroclor 1242	SW8082A	0.039 U	0.044 U	0.037 U	0.043 U	0.041 U	0.046 U
Aroclor 1248	SW8082A	0.039 U	0.044 U	0.037 U	0.043 U	0.041 U	0.046 U
Aroclor 1254	SW8082A	1.76 J	0.0710 J	1.36 J	0.043 U	2.41 J	0.0335 J
Aroclor 1260	SW8082A	8.49 J	0.295 J	7.07 J	0.0577 J	0.041 U	0.0731 J
Total PCB Aroclors (U = 0 max limit)		10.3 J	0.366 J	8.43 J	0.0577 J	2.41 J	0.107 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-207-66-221025-00-01 10/25/2022	RB-E-207-94-221010-00-01 10/10/2022	RB-E-208-16-221025-00-01 10/25/2022	RB-E-208-41-221010-00-01 10/10/2022	RB-E-208-67-221025-00-01 10/25/2022	RB-E-208-94-230509-00-01 5/9/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	74.3	75.4	73.6	73.2	64.9	72.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.042 U	0.044 U	0.044 U	0.050 U	0.026 U
Aroclor 1221	SW8082A	0.045 U	0.042 U	0.044 U	0.044 U	0.050 U	0.026 U
Aroclor 1232	SW8082A	0.045 U	0.042 U	0.044 U	0.044 U	0.050 U	0.026 U
Aroclor 1242	SW8082A	0.045 U	0.042 U	0.044 U	0.044 U	0.050 U	0.026 U
Aroclor 1248	SW8082A	0.045 U	0.042 U	0.044 U	0.044 U	0.050 U	0.026 U
Aroclor 1254	SW8082A	1.95	0.639	1.3	2.1	1.95	0.026 U
Aroclor 1260	SW8082A	12.6	5.97	5.96	13.2	12.4	5.34
Total PCB Aroclors (U = 0 max limit)		14.6	6.61	7.3	15	14.4	5.34

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-209-19-230512-00-01 5/12/2023	RB-E-209-42-230509-00-01 5/9/2023	RB-E-209-69-230512-00-01 5/12/2023	RB-E-209-94-230512-00-01 5/12/2023	RB-E-210-19-230512-00-01 5/12/2023	RB-E-210-43-221010-00-01 10/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.5	77.5	79.9	78	62.8	55.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.028 U	0.024 U	0.024 U	0.023 U	0.028 U	0.055 U
Aroclor 1221	SW8082A	0.028 U	0.024 U	0.024 U	0.023 U	0.028 U	0.055 U
Aroclor 1232	SW8082A	0.028 U	0.024 U	0.024 U	0.023 U	0.028 U	0.055 U
Aroclor 1242	SW8082A	0.028 U	0.024 U	0.024 U	0.023 U	0.028 U	0.055 U
Aroclor 1248	SW8082A	0.028 U	0.024 U	0.024 U	0.023 U	0.028 U	0.055 U
Aroclor 1254	SW8082A	0.028 U	0.024 U	0.024 U	0.023 U	0.028 U	0.583
Aroclor 1260	SW8082A	2.81	6.87	0.209	5.54	9.31	3.92
Total PCB Aroclors (U = 0 max limit)		2.81	6.87	0.209	5.54	9.31	4.5

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-210-71-221025-00-01 10/25/2022	RB-E-210-97-221010-00-01 10/10/2022	RB-E-211-26-221025-00-01 10/25/2022	RB-E-211-46-221010-00-01 10/10/2022	RB-E-211-77-221025-00-01 10/25/2022	RB-E-211-77-BD0001 10/25/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	1.6	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	24.9	--	--	106	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.3	65.9	72.9	53.8	70.4	70.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	75	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	0	--	--
Percent passing (hydrometer 1)	D422	14	--	--	26	--	--
Percent passing (hydrometer 2)	D422	4	--	--	7	--	--
Percent passing (hydrometer 3)	D422	1	--	--	3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	38.6	--	--	44.1	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	100	--	--
Percent passing 50-micron sieve	D422	88.9	--	--	89.7	--	--
Percent passing 75-micron sieve (No. 200)	D422	24.1	--	--	26.4	--	--
Percent passing 8.0 micron	D422	100	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	99.7	--	--	99.9	--	--
Percent retained 30-micron sieve	D422	97.2	--	--	98.5	--	--
Sand	D422	75.9	--	--	73.6	--	--
Silt	D422	24.1	--	--	26.4	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.047 U	0.045 U	0.057 U	0.045 U	0.046 U
Aroclor 1221	SW8082A	0.043 U	0.047 U	0.045 U	0.057 U	0.045 U	0.046 U
Aroclor 1232	SW8082A	0.043 U	0.047 U	0.045 U	0.057 U	0.045 U	0.046 U
Aroclor 1242	SW8082A	0.043 U	0.047 U	0.045 U	0.057 U	0.045 U	0.046 U
Aroclor 1248	SW8082A	0.043 U	0.047 U	0.045 U	0.057 U	0.045 U	0.046 U
Aroclor 1254	SW8082A	2.06	0.583	2.55	0.581	1.62	2.17
Aroclor 1260	SW8082A	10.8	3.59	14	3.56	7.04	8.37
Total PCB Aroclors (U = 0 max limit)		12.9	4.17	17	4.14	8.66	10.5

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-212-01-221010-00-01 10/10/2022	RB-E-212-25-221025-00-01 10/25/2022	RB-E-212-53-221010-00-01 10/10/2022	RB-E-212-75-221025-00-01 10/25/2022	RB-E-212-99-221013-00-01 10/13/2022	RB-E-213-25-221025-00-01 10/25/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.9	70.7	66.2	65.6	69.7	62.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.045 U	0.046 U	0.050 U	0.045 U	-- R
Aroclor 1221	SW8082A	0.045 U	0.045 U	0.046 U	0.050 U	0.045 U	-- R
Aroclor 1232	SW8082A	0.045 U	0.045 U	0.046 U	0.050 U	0.045 U	-- R
Aroclor 1242	SW8082A	0.045 U	0.045 U	0.046 U	0.050 U	0.045 U	-- R
Aroclor 1248	SW8082A	0.045 U	0.045 U	0.046 U	0.050 U	0.045 U	-- R
Aroclor 1254	SW8082A	1.07 J	2.32	0.382	3.41	1.54	2.72 J
Aroclor 1260	SW8082A	6.24 J	11.5	2.41	11.9	7.71	12.3 J
Total PCB Aroclors (U = 0 max limit)		7.31 J	13.8	2.79	15.3	9.25	15.0 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-213-50-221013-00-01 10/13/2022	RB-E-213-75-221025-00-01 10/25/2022	RB-E-214-02-221013-00-01 10/13/2022	RB-E-214-25-221025-00-01 10/25/2022	RB-E-214-48-221013-00-01 10/13/2022	RB-E-214-71-221025-00-01 10/25/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67	59.4	70	76.4	60.4	66
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.050 U	0.055 U	0.047 U	0.043 U	0.055 U	0.049 U
Aroclor 1221	SW8082A	0.050 U	0.055 U	0.047 U	0.043 U	0.055 U	0.049 U
Aroclor 1232	SW8082A	0.050 U	0.055 U	0.047 U	0.043 U	0.055 U	0.049 U
Aroclor 1242	SW8082A	0.050 U	0.055 U	0.047 U	0.043 U	0.055 U	0.049 U
Aroclor 1248	SW8082A	0.050 U	0.055 U	0.047 U	0.043 U	0.055 U	0.049 U
Aroclor 1254	SW8082A	2.15 J	3.46	1.94	3.3	1.76	2.53
Aroclor 1260	SW8082A	10.2 J	14.9	11.2	20.1	11.5	11.9
Total PCB Aroclors (U = 0 max limit)		12.4 J	18.4	13.1	23	13.3	14.4

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-214-98-221013-00-01 10/13/2022	RB-E-215-22-230512-00-01 5/12/2023	RB-E-215-47-221013-00-01 10/13/2022	RB-E-215-78-221025-00-01 10/25/2022	RB-E-216-02-221013-00-01 10/13/2022	RB-E-216-40-221025-00-01 10/25/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	32.5	62.5	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	74.8	55.6	72.9	84.7	70.8	84.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	0	--	--	--	--
Percent passing (hydrometer 1)	D422	22	24	--	--	--	--
Percent passing (hydrometer 2)	D422	8	8	--	--	--	--
Percent passing (hydrometer 3)	D422	3.1	4.9	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	47.5	42.3	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	100	--	--	--	--
Percent passing 50-micron sieve	D422	77.6	75.4	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	30.5	33.1	--	--	--	--
Percent passing 8.0 micron	D422	100	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	98.6	100	--	--	--	--
Percent retained 30-micron sieve	D422	88.9	95.3	--	--	--	--
Sand	D422	69.5	66.9	--	--	--	--
Silt	D422	30.5	33.1	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.036 U	0.043 U	0.039 U	0.046 U	0.039 U
Aroclor 1221	SW8082A	0.042 U	0.036 U	0.043 U	0.039 U	0.046 U	0.039 U
Aroclor 1232	SW8082A	0.042 U	0.036 U	0.043 U	0.039 U	0.046 U	0.039 U
Aroclor 1242	SW8082A	0.042 U	0.036 U	0.043 U	0.039 U	0.046 U	0.039 U
Aroclor 1248	SW8082A	0.042 U	0.036 U	0.043 U	0.039 U	0.046 U	0.039 U
Aroclor 1254	SW8082A	1.71	0.036 U	0.842	1.6	2.2	13.2
Aroclor 1260	SW8082A	7.89	4.35	4.98	10.4	10.3	65.6
Total PCB Aroclors (U = 0 max limit)		9.6	4.35	5.82	12	13	78.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-216-78-221013-00-01 10/13/2022	RB-E-217-03-221025-00-01 10/25/2022	RB-E-217-36-221013-00-01 10/13/2022	RB-E-217-72-221025-00-01 10/25/2022	RB-E-217-98-221013-00-01 10/13/2022	RB-E-218-29-230509-00-01 5/9/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	29.1	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.9	75.7	63.9	78	76.2	68.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	20	--	--	--	--
Percent passing (hydrometer 2)	D422	--	4	--	--	--	--
Percent passing (hydrometer 3)	D422	--	1	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	34.3	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	71.1	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	25	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.8	--	--	--	--
Percent retained 30-micron sieve	D422	--	97.2	--	--	--	--
Sand	D422	--	75	--	--	--	--
Silt	D422	--	25	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.043 U	0.052 U	0.041 U	0.044 U	0.029 U
Aroclor 1221	SW8082A	0.042 U	0.043 U	0.052 U	0.041 U	0.044 U	0.029 U
Aroclor 1232	SW8082A	0.042 U	0.043 U	0.052 U	0.041 U	0.044 U	0.029 U
Aroclor 1242	SW8082A	0.042 U	0.043 U	0.052 U	0.041 U	0.044 U	0.029 U
Aroclor 1248	SW8082A	0.042 U	0.043 U	0.052 U	0.041 U	0.044 U	0.029 U
Aroclor 1254	SW8082A	1.55	3.58	2.64	3.07	1.45 J	0.029 U
Aroclor 1260	SW8082A	6.2	24.1	12	23.3	10.5	13.2
Total PCB Aroclors (U = 0 max limit)		7.8	27.7	15	26.4	12.0 J	13.2

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-218-57-221013-00-01 10/13/2022	RB-E-218-57-BD0001 10/13/2022	RB-E-218-96-230509-00-01 5/9/2023	RB-E-219-29-221013-00-01 10/13/2022	RB-E-219-51-221025-00-01 10/25/2022	RB-E-219-83-221013-00-01 10/13/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	74	63.3	67.3	64.8	62.5	80.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.22 U	0.26 U	0.027 U	0.051 U	0.053 U	0.039 U
Aroclor 1221	SW8082A	0.22 U	0.26 U	0.027 U	0.051 U	0.053 U	0.039 U
Aroclor 1232	SW8082A	0.22 U	0.26 U	0.027 U	0.051 U	0.053 U	0.039 U
Aroclor 1242	SW8082A	0.22 U	0.26 U	0.027 U	0.051 U	0.053 U	0.039 U
Aroclor 1248	SW8082A	0.22 U	0.26 U	0.027 U	0.051 U	0.053 U	0.039 U
Aroclor 1254	SW8082A	2.67 J	2.14	0.027 U	1.66	2.02 J	0.891
Aroclor 1260	SW8082A	13.7	11.6	13.9	9.45	7.88 J	6.55
Total PCB Aroclors (U = 0 max limit)		16.4 J	13.7	13.9	11.1	9.90 J	7.44

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-220-04-221025-00-01 10/25/2022	RB-E-220-29-221013-00-01 10/13/2022	RB-E-220-55-230509-00-01 5/9/2023	RB-E-220-77-221013-00-01 10/13/2022	RB-E-221-05-221025-00-01 10/25/2022	RB-E-221-31-221013-00-01 10/13/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	46.1	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70	66.5	70.6	59.6	50.5	62.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	14	--	--	--
Percent passing (hydrometer 2)	D422	--	--	6	--	--	--
Percent passing (hydrometer 3)	D422	--	--	3	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	29	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	81.2	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	19	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	100	--	--	--
Percent retained 30-micron sieve	D422	--	--	96.9	--	--	--
Sand	D422	--	--	81	--	--	--
Silt	D422	--	--	19	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.047 U	0.027 U	0.052 U	0.066 U	0.049 U
Aroclor 1221	SW8082A	0.047 U	0.047 U	0.027 U	0.052 U	0.066 U	0.049 U
Aroclor 1232	SW8082A	0.047 U	0.047 U	0.027 U	0.052 U	0.066 U	0.049 U
Aroclor 1242	SW8082A	0.047 U	0.047 U	0.027 U	0.052 U	0.066 U	0.049 U
Aroclor 1248	SW8082A	0.047 U	0.047 U	0.027 U	0.052 U	0.066 U	0.049 U
Aroclor 1254	SW8082A	1.75 J	1.66	0.027 U	2.61	2.44 J	2.89
Aroclor 1260	SW8082A	7.57 J	8.3	1.78	9.56	9.19 J	10.5
Total PCB Aroclors (U = 0 max limit)		9.32 J	10	1.78	12.2	11.6 J	13.4

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-221-56-221024-00-01 10/24/2022	RB-E-221-80-221013-00-01 10/13/2022	RB-E-222-11-221025-00-01 10/25/2022	RB-E-222-46-221013-00-01 10/13/2022	RB-E-222-81-221025-00-01 10/25/2022	RB-E-223-22-221013-00-01 10/13/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	17.9
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.1	71	82.9	63.5	79.8	78.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	3.4
Percent passing (hydrometer 1)	D422	--	--	--	--	--	6
Percent passing (hydrometer 2)	D422	--	--	--	--	--	2.9
Percent passing (hydrometer 3)	D422	--	--	--	--	--	0.95
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	98.7
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	12.6
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	91.6
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	96.6
Percent passing 50-micron sieve	D422	--	--	--	--	--	32.7
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	6.7
Percent passing 8.0 micron	D422	--	--	--	--	--	93
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	82.8
Percent retained 30-micron sieve	D422	--	--	--	--	--	59
Sand	D422	--	--	--	--	--	89.9
Silt	D422	--	--	--	--	--	6.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.043 U	0.039 U	0.049 U	0.040 U	0.20 U
Aroclor 1221	SW8082A	0.040 U	0.043 U	0.039 U	0.049 U	0.040 U	0.20 U
Aroclor 1232	SW8082A	0.040 U	0.043 U	0.039 U	0.049 U	0.040 U	0.20 U
Aroclor 1242	SW8082A	0.040 U	0.043 U	0.039 U	0.049 U	0.040 U	0.20 U
Aroclor 1248	SW8082A	0.040 U	0.043 U	0.039 U	0.049 U	0.040 U	0.20 U
Aroclor 1254	SW8082A	4.31	1.22	5.27 J	1.91	1.44 J	1.62 J
Aroclor 1260	SW8082A	36.1	7.95	44.6 J	10.6	7.32 J	10.1
Total PCB Aroclors (U = 0 max limit)		40.4	9.17	49.9 J	12.5	8.76 J	11.7 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-223-67-221025-00-01 10/25/2022	RB-E-224-14-221013-00-01 10/13/2022	RB-E-224-55-221025-00-01 10/25/2022	RB-E-224-77-221013-00-01 10/13/2022	RB-E-225-04-221024-00-01 10/24/2022	RB-E-225-04-BD0001 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.9	45.1	68.8	77.1	66.4	67.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.070 U	0.047 U	0.21 U	0.046 U	0.047 U
Aroclor 1221	SW8082A	0.046 U	0.070 U	0.047 U	0.21 U	0.046 U	0.047 U
Aroclor 1232	SW8082A	0.046 U	0.070 U	0.047 U	0.21 U	0.046 U	0.047 U
Aroclor 1242	SW8082A	0.046 U	0.070 U	0.047 U	0.21 U	0.046 U	0.047 U
Aroclor 1248	SW8082A	0.046 U	0.070 U	0.047 U	0.21 U	0.046 U	0.047 U
Aroclor 1254	SW8082A	1.55 J	1.73	1.94 J	1.46	3.29 J	2.55 J
Aroclor 1260	SW8082A	7.98 J	8.55	9.66 J	11.8	15.8 J	11.5
Total PCB Aroclors (U = 0 max limit)		9.53 J	10.3	11.6 J	13.3	19.1 J	14.1 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-225-25-221013-00-01 10/13/2022	RB-E-225-49-221024-00-01 10/24/2022	RB-E-225-68-221013-00-01 10/13/2022	RB-E-225-90-221024-00-01 10/24/2022	RB-E-226-14-221013-00-01 10/13/2022	RB-E-226-31-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	74.6	66.3	69.6	79.4	72	85.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.047 U	0.047 U	0.041 U	0.045 U	0.037 U
Aroclor 1221	SW8082A	0.043 U	0.047 U	0.047 U	0.041 U	0.045 U	0.037 U
Aroclor 1232	SW8082A	0.043 U	0.047 U	0.047 U	0.041 U	0.045 U	0.037 U
Aroclor 1242	SW8082A	0.043 U	0.047 U	0.047 U	0.041 U	0.045 U	0.037 U
Aroclor 1248	SW8082A	0.043 U	0.047 U	0.047 U	0.041 U	0.045 U	0.037 U
Aroclor 1254	SW8082A	0.429 J	2.57 J	1.12	2.08 J	2.21	1.81 J
Aroclor 1260	SW8082A	3.15	10.7	6.75	11	9.98	9.08 J
Total PCB Aroclors (U = 0 max limit)		3.58 J	13.3 J	7.87	13 J	12.2	10.9 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-226-56-221013-00-01 10/13/2022	RB-E-226-84-221024-00-01 10/24/2022	RB-E-227-13-221024-00-01 10/24/2022	RB-E-227-34-221020-00-01 10/20/2022	RB-E-227-53-221020-00-01 10/20/2022	RB-E-227-75-221020-00-01 10/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	39.9	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	65	62.7	73.9	61.8	57.6	67.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	31	--	--	--
Percent passing (hydrometer 2)	D422	--	--	11	--	--	--
Percent passing (hydrometer 3)	D422	--	--	5.1	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	56.6	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	89.2	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	39.5	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	96.8	--	--	--
Percent retained 30-micron sieve	D422	--	--	95.1	--	--	--
Sand	D422	--	--	60.6	--	--	--
Silt	D422	--	--	39.5	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.049 U	0.044 U	0.052 U	0.055 U	0.048 U
Aroclor 1221	SW8082A	0.051 U	0.049 U	0.044 U	0.052 U	0.055 U	0.048 U
Aroclor 1232	SW8082A	0.051 U	0.049 U	0.044 U	0.052 U	0.055 U	0.048 U
Aroclor 1242	SW8082A	0.051 U	0.049 U	0.044 U	0.052 U	0.055 U	0.048 U
Aroclor 1248	SW8082A	0.051 U	0.049 U	0.044 U	0.052 U	0.055 U	0.048 U
Aroclor 1254	SW8082A	1.32	2.8 J	2.78 J	1.64 J	2.11 J	2.55 J
Aroclor 1260	SW8082A	4.78	11.4 J	14.2 J	8.85 J	11.1 J	14.3 J
Total PCB Aroclors (U = 0 max limit)		6.1	14 J	17.0 J	10.5 J	13.2 J	16.9 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-227-91-221024-00-01 10/24/2022	RB-E-228-09-221024-00-01 10/24/2022	RB-E-228-33-221024-00-01 10/24/2022	RB-E-228-53-221024-00-01 10/24/2022	RB-E-228-65-221020-00-01 10/20/2022	RB-E-228-87-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	53.6	76.7	84.4	80.1	74.7	83.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.061 U	0.043 U	0.038 U	0.039 U	0.044 U	0.039 U
Aroclor 1221	SW8082A	0.061 U	0.043 U	0.038 U	0.039 U	0.044 U	0.039 U
Aroclor 1232	SW8082A	0.061 U	0.043 U	0.038 U	0.039 U	0.044 U	0.039 U
Aroclor 1242	SW8082A	0.061 U	0.043 U	0.038 U	0.039 U	0.044 U	0.039 U
Aroclor 1248	SW8082A	0.061 U	0.043 U	0.038 U	0.039 U	0.044 U	0.039 U
Aroclor 1254	SW8082A	3.16 J	2.76 J	2.31 J	0.725 J	0.555 J	0.676 J
Aroclor 1260	SW8082A	11.3 J	12.9 J	20.6 J	6.86 J	3.5 J	6.09 J
Total PCB Aroclors (U = 0 max limit)		14.5 J	15.7 J	22.9 J	7.59 J	4.1 J	6.77 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-229-04-221020-00-01 10/20/2022	RB-E-229-22-221024-00-01 10/24/2022	RB-E-229-43-230517-00-01 5/17/2023	RB-E-229-64-230517-00-01 5/17/2023	RB-E-229-89-230517-00-01 5/17/2023	RB-E-230-12-230517-00-01 5/17/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	21.5
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	80.6	78.2	89.8	83.6	72.8	80.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	7.5
Percent passing (hydrometer 1)	D422	--	--	--	--	--	15
Percent passing (hydrometer 2)	D422	--	--	--	--	--	5
Percent passing (hydrometer 3)	D422	--	--	--	--	--	3
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	94.2
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	29.2
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	88
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	92.5
Percent passing 50-micron sieve	D422	--	--	--	--	--	67.6
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	19.6
Percent passing 8.0 micron	D422	--	--	--	--	--	90.4
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	86.8
Percent retained 30-micron sieve	D422	--	--	--	--	--	82.1
Sand	D422	--	--	--	--	--	72.9
Silt	D422	--	--	--	--	--	19.6
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.043 U	0.021 U	0.023 U	0.025 U	0.024 U
Aroclor 1221	SW8082A	0.037 U	0.043 U	0.021 U	0.023 U	0.025 U	0.024 U
Aroclor 1232	SW8082A	0.037 U	0.043 U	0.021 U	0.023 U	0.025 U	0.024 U
Aroclor 1242	SW8082A	0.037 U	0.043 U	0.021 U	0.023 U	0.025 U	0.024 U
Aroclor 1248	SW8082A	0.037 U	0.043 U	0.021 U	0.023 U	0.025 U	0.024 U
Aroclor 1254	SW8082A	1.18 J	1.85 J	0.021 U	0.023 U	0.025 U	0.024 U
Aroclor 1260	SW8082A	9.56 J	10.5 J	0.192	1.91	3.85	1.87
Total PCB Aroclors (U = 0 max limit)		10.7 J	12.4 J	0.192	1.91	3.85	1.87

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-230-38-230517-00-01 5/17/2023	RB-E-230-58-230517-00-01 5/17/2023	RB-E-230-85-230517-00-01 5/17/2023	RB-E-231-08-230517-00-01 5/17/2023	RB-E-231-27-230517-00-01 5/17/2023	RB-E-231-52-230517-00-01 5/17/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.6	89.5	80.5	77.9	85.9	86.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.022 U	0.025 U	0.025 U	0.022 U	0.023 U
Aroclor 1221	SW8082A	0.026 U	0.022 U	0.025 U	0.025 U	0.022 U	0.023 U
Aroclor 1232	SW8082A	0.026 U	0.022 U	0.025 U	0.025 U	0.022 U	0.023 U
Aroclor 1242	SW8082A	0.026 U	0.022 U	0.025 U	0.025 U	0.022 U	0.023 U
Aroclor 1248	SW8082A	0.026 U	0.022 U	0.025 U	0.025 U	0.022 U	0.023 U
Aroclor 1254	SW8082A	0.026 U	0.022 U	0.025 U	0.025 U	0.022 U	0.023 U
Aroclor 1260	SW8082A	1.17	0.0693	2.3	0.066	0.0938	0.0947
Total PCB Aroclors (U = 0 max limit)		1.17	0.0693	2.3	0.066	0.0938	0.0947

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-231-70-230517-00-01 5/17/2023	RB-E-231-92-230517-00-01 5/17/2023	RB-E-231-92-BD0001 5/17/2023	RB-E-232-14-221021-00-01 10/21/2022	RB-E-232-36-221021-00-01 10/21/2022	RB-E-232-60-221021-00-01 10/21/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	87.3	92.4	90.7	78.4	79.4	82.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.021 U	0.021 U	0.022 U	0.041 U	0.042 U	0.041 U
Aroclor 1221	SW8082A	0.021 U	0.021 U	0.022 U	0.041 U	0.042 U	0.041 U
Aroclor 1232	SW8082A	0.021 U	0.021 U	0.022 U	0.041 U	0.042 U	0.041 U
Aroclor 1242	SW8082A	0.021 U	0.021 U	0.022 U	0.041 U	0.042 U	0.041 U
Aroclor 1248	SW8082A	0.021 U	0.021 U	0.022 U	0.041 U	0.042 U	0.041 U
Aroclor 1254	SW8082A	0.021 U	0.021 U	0.022 U	0.764	0.901	0.899
Aroclor 1260	SW8082A	0.0567	3.39 J	7.26 J	9.61	4.17	8.18
Total PCB Aroclors (U = 0 max limit)		0.0567	3.39 J	7.26 J	10.4	5.07	9.08

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-232-85-221021-00-01 10/21/2022	RB-E-233-09-230517-00-01 5/17/2023	RB-E-233-33-221020-00-01 10/20/2022	RB-E-233-54-221021-00-01 10/21/2022	RB-E-233-81-221020-00-01 10/20/2022	RB-E-234-03-221021-00-01 10/21/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	20.2	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	82.8	86.5	83.1	82	86	85.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	11	--	--	--	--
Percent passing (hydrometer 2)	D422	--	4	--	--	--	--
Percent passing (hydrometer 3)	D422	--	2	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	30.1	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	84.6	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	16.1	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	100	--	--	--	--
Percent retained 30-micron sieve	D422	--	98.6	--	--	--	--
Sand	D422	--	83.9	--	--	--	--
Silt	D422	--	16.1	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.022 U	0.039 U	0.038 U	0.037 U	0.039 U
Aroclor 1221	SW8082A	0.038 U	0.022 U	0.039 U	0.038 U	0.037 U	0.039 U
Aroclor 1232	SW8082A	0.038 U	0.022 U	0.039 U	0.038 U	0.037 U	0.039 U
Aroclor 1242	SW8082A	0.038 U	0.022 U	0.039 U	0.038 U	0.037 U	0.039 U
Aroclor 1248	SW8082A	0.038 U	0.022 U	0.039 U	0.038 U	0.037 U	0.039 U
Aroclor 1254	SW8082A	0.613	0.022 U	0.929 J	1.91	1.51 J	0.716
Aroclor 1260	SW8082A	3.03	1.3	7.65 J	11.2	9.74 J	6.09
Total PCB Aroclors (U = 0 max limit)		3.64	1.3	8.58 J	13.1	11.3 J	6.81

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-234-23-221021-00-01 10/21/2022	RB-E-234-44-221021-00-01 10/21/2022	RB-E-234-65-221021-00-01 10/21/2022	RB-E-234-85-221021-00-01 10/21/2022	RB-E-235-05-221021-00-01 10/21/2022	RB-E-235-05-BD0001 10/21/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.3	83.4	82.3	78.4	86.2	87.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.036 U	0.039 U	0.040 U	0.035 U	0.034 U
Aroclor 1221	SW8082A	0.040 U	0.036 U	0.039 U	0.040 U	0.035 U	0.034 U
Aroclor 1232	SW8082A	0.040 U	0.036 U	0.039 U	0.040 U	0.035 U	0.034 U
Aroclor 1242	SW8082A	0.040 U	0.036 U	0.039 U	0.040 U	0.035 U	0.034 U
Aroclor 1248	SW8082A	0.040 U	0.036 U	0.039 U	0.040 U	0.035 U	0.034 U
Aroclor 1254	SW8082A	0.463	1.01	2.63	2.52	1.07	0.967
Aroclor 1260	SW8082A	3.39	5	11.4	9.87	5.04	5.47
Total PCB Aroclors (U = 0 max limit)		3.85	6	14	12.4	6.11	6.44

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-235-94-221021-00-01 10/21/2022	RB-E-236-76-221021-00-01 10/21/2022	RB-E-237-05-221021-00-01 10/21/2022	RB-E-237-28-230509-00-01 5/9/2023	RB-E-237-65-221024-00-01 10/24/2022	RB-E-237-88-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	24.4	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	74.6	82.1	71	63.1	88.8	62.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	1.2	--	--	--	--
Percent passing (hydrometer 1)	D422	--	9.9	--	--	--	--
Percent passing (hydrometer 2)	D422	--	4.5	--	--	--	--
Percent passing (hydrometer 3)	D422	--	2.7	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	18.1	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	93.9	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	98.8	--	--	--	--
Percent passing 50-micron sieve	D422	--	42	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	12.2	--	--	--	--
Percent passing 8.0 micron	D422	--	95.5	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	85.5	--	--	--	--
Percent retained 30-micron sieve	D422	--	66.9	--	--	--	--
Sand	D422	--	86.6	--	--	--	--
Silt	D422	--	12.2	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.040 U	0.043 U	0.032 U	0.033 U	0.049 U
Aroclor 1221	SW8082A	0.044 U	0.040 U	0.043 U	0.032 U	0.033 U	0.049 U
Aroclor 1232	SW8082A	0.044 U	0.040 U	0.043 U	0.032 U	0.033 U	0.049 U
Aroclor 1242	SW8082A	0.044 U	0.040 U	0.043 U	0.032 U	0.033 U	0.049 U
Aroclor 1248	SW8082A	0.044 U	0.040 U	0.043 U	0.032 U	0.033 U	0.049 U
Aroclor 1254	SW8082A	1.4	1.94 J	1.8 J	0.032 U	1.57 J	4.27 J
Aroclor 1260	SW8082A	5.94	8.17	7.45	11.4	9.35 J	20.1 J
Total PCB Aroclors (U = 0 max limit)		7.3	10.1 J	9.3 J	11.4	10.9 J	24.4 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-238-02-221024-00-01 10/24/2022	RB-E-238-18-230421-00-01 4/21/2023	RB-E-238-27-230421-00-01 4/21/2023	RB-E-238-36-230421-00-01 4/21/2023	RB-E-238-53-230421-00-01 4/21/2023	RB-E-238-71-230421-00-01 4/21/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	23.7	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.7	80.5	84.1	85.3	83.4	79.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	13	--
Percent passing (hydrometer 2)	D422	--	--	--	--	6.9	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	31.4	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	54	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	21.7	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	100	--
Percent retained 30-micron sieve	D422	--	--	--	--	96.4	--
Sand	D422	--	--	--	--	78	--
Silt	D422	--	--	--	--	22	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.023 U	0.022 U	0.023 U	0.024 U	0.025 U
Aroclor 1221	SW8082A	0.044 U	0.023 U	0.022 U	0.023 U	0.024 U	0.025 U
Aroclor 1232	SW8082A	0.044 U	0.023 U	0.022 U	0.023 U	0.024 U	0.025 U
Aroclor 1242	SW8082A	0.044 U	0.023 U	0.022 U	0.023 U	0.024 U	0.025 U
Aroclor 1248	SW8082A	0.044 U	0.023 U	0.022 U	0.023 U	0.024 U	0.025 U
Aroclor 1254	SW8082A	2.87 J	0.023 U	0.022 U	0.023 U	0.024 U	0.025 U
Aroclor 1260	SW8082A	13.6 J	4.72	7.67	7.37	6.09	7.4
Total PCB Aroclors (U = 0 max limit)		16.5 J	4.72	7.67	7.37	6.09	7.4

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-238-87-230421-00-01 4/21/2023	RB-E-238-87-BD0001 4/21/2023	RB-E-239-06-221020-00-01 10/20/2022	RB-E-239-26-230421-00-01 4/21/2023	RB-E-239-41-221020-00-01 10/20/2022	RB-E-239-63-221020-00-01 10/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	53.2	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.2	75.6	70	89.1	59.5	71
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	17	--
Percent passing (hydrometer 2)	D422	--	--	--	--	9.1	--
Percent passing (hydrometer 3)	D422	--	--	--	--	5	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	44.9	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	83.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	28.8	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	97.7	--
Percent retained 30-micron sieve	D422	--	--	--	--	95.4	--
Sand	D422	--	--	--	--	71.2	--
Silt	D422	--	--	--	--	28.8	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.026 U	0.047 U	0.022 U	0.052 U	0.044 U
Aroclor 1221	SW8082A	0.025 U	0.026 U	0.047 U	0.022 U	0.052 U	0.044 U
Aroclor 1232	SW8082A	0.025 U	0.026 U	0.047 U	0.022 U	0.052 U	0.044 U
Aroclor 1242	SW8082A	0.025 U	0.026 U	0.047 U	0.022 U	0.052 U	0.044 U
Aroclor 1248	SW8082A	0.025 U	0.026 U	0.047 U	0.022 U	0.052 U	0.044 U
Aroclor 1254	SW8082A	0.025 U	0.026 U	0.881 J	0.022 U	1.64 J	1.27 J
Aroclor 1260	SW8082A	8.69	7.62	4.87 J	0.0428	10.5 J	9.41 J
Total PCB Aroclors (U = 0 max limit)		8.69	7.62	5.75 J	0.0428	12.1 J	10.7 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-239-85-230421-00-01 4/21/2023	RB-E-240-06-221020-00-01 10/20/2022	RB-E-240-33-230421-00-01 4/21/2023	RB-E-240-53-221020-00-01 10/20/2022	RB-E-240-71-230421-00-01 4/21/2023	RB-E-240-90-221020-00-01 10/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	84.7	69.3	82.9	71.5	80.1	69.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.024 U	0.047 U	0.023 U	0.047 U	0.025 U	0.047 U
Aroclor 1221	SW8082A	0.024 U	0.047 U	0.023 U	0.047 U	0.025 U	0.047 U
Aroclor 1232	SW8082A	0.024 U	0.047 U	0.023 U	0.047 U	0.025 U	0.047 U
Aroclor 1242	SW8082A	0.024 U	0.047 U	0.023 U	0.047 U	0.025 U	0.047 U
Aroclor 1248	SW8082A	0.024 U	0.047 U	0.023 U	0.047 U	0.025 U	0.047 U
Aroclor 1254	SW8082A	0.024 U	1.57 J	0.023 U	1.04 J	0.025 U	0.047 U
Aroclor 1260	SW8082A	8.99	10.2 J	14.2	8.04 J	5.91	0.102 J
Total PCB Aroclors (U = 0 max limit)		8.99	11.8 J	14.2	9.08 J	5.91	0.102 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-240-90-BD0001 10/20/2022	RB-E-241-06-230421-00-01 4/21/2023	RB-E-241-24-230421-00-01 4/21/2023	RB-E-241-42-221020-00-01 10/20/2022	RB-E-241-66-230421-00-01 4/21/2023	RB-E-241-88-230421-00-01 4/21/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.2	82.8	82.9	72.1	84.4	84.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.024 U	0.022 U	0.042 U	0.022 U	0.024 U
Aroclor 1221	SW8082A	0.039 U	0.024 U	0.022 U	0.042 U	0.022 U	0.024 U
Aroclor 1232	SW8082A	0.039 U	0.024 U	0.022 U	0.042 U	0.022 U	0.024 U
Aroclor 1242	SW8082A	0.039 U	0.024 U	0.022 U	0.042 U	0.022 U	0.024 U
Aroclor 1248	SW8082A	0.039 U	0.024 U	0.022 U	0.042 U	0.022 U	0.024 U
Aroclor 1254	SW8082A	0.0321 J	0.024 U	0.022 U	0.852 J	0.022 U	0.024 U
Aroclor 1260	SW8082A	0.136 J	5.07	5.79	7.53 J	3.51	6.24
Total PCB Aroclors (U = 0 max limit)		0.168 J	5.07	5.79	8.38 J	3.51	6.24

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-242-11-230421-00-01 4/21/2023	RB-E-242-37-230421-00-01 4/21/2023	RB-E-242-61-230421-00-01 4/21/2023	RB-E-242-81-221020-00-01 10/20/2022	RB-E-243-05-230421-00-01 4/21/2023	RB-E-243-26-230421-00-01 4/21/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	2.1	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	14	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	85.8	85.3	70.2	63.7	85.6	88.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	69	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	13	--	--	--	--
Percent passing (hydrometer 2)	D422	--	5	--	--	--	--
Percent passing (hydrometer 3)	D422	--	3	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	28.1	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	69.1	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	17	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	100	--	--	--	--
Percent retained 30-micron sieve	D422	--	98	--	--	--	--
Sand	D422	--	83	--	--	--	--
Silt	D422	--	17	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.022 U	0.028 U	0.050 U	0.023 U	0.021 U
Aroclor 1221	SW8082A	0.023 U	0.022 U	0.028 U	0.050 U	0.023 U	0.021 U
Aroclor 1232	SW8082A	0.023 U	0.022 U	0.028 U	0.050 U	0.023 U	0.021 U
Aroclor 1242	SW8082A	0.023 U	0.022 U	0.028 U	0.050 U	0.023 U	0.021 U
Aroclor 1248	SW8082A	0.023 U	0.022 U	0.028 U	0.050 U	0.023 U	0.021 U
Aroclor 1254	SW8082A	0.023 U	0.022 U	0.028 U	1.85	0.023 U	0.021 U
Aroclor 1260	SW8082A	7.55	7.83	5.13	11.3	5.81	5.16
Total PCB Aroclors (U = 0 max limit)		7.55	7.83	5.13	13.2	5.81	5.16

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-243-45-230421-00-01 4/21/2023	RB-E-243-65-221020-00-01 10/20/2022	RB-E-243-78-221020-00-01 10/20/2022	RB-E-243-96-221020-00-01 10/20/2022	RB-E-244-42-221020-00-01 10/20/2022	RB-E-244-85-221020-00-01 10/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	84.1	83.3	78.3	85.5	79.9	71.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.038 U	0.041 U	0.038 U	0.041 U	0.045 U
Aroclor 1221	SW8082A	0.023 U	0.038 U	0.041 U	0.038 U	0.041 U	0.045 U
Aroclor 1232	SW8082A	0.023 U	0.038 U	0.041 U	0.038 U	0.041 U	0.045 U
Aroclor 1242	SW8082A	0.023 U	0.038 U	0.041 U	0.038 U	0.041 U	0.045 U
Aroclor 1248	SW8082A	0.023 U	0.038 U	0.041 U	0.038 U	0.041 U	0.045 U
Aroclor 1254	SW8082A	0.023 U	2.55 J	2.85	1.36	1.79	1.51
Aroclor 1260	SW8082A	6.05	17.8	20.9	10	10.8	8.11
Total PCB Aroclors (U = 0 max limit)		6.05	20.4 J	23.8	11	12.6	9.62

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-E-245-43-221020-00-01 10/20/2022	RB-E-245-68-221020-00-01 10/20/2022	RB-E-245-98-221020-00-01 10/20/2022	RB-W-000-09-220830-00-01 8/30/2022	RB-W-000-30-220830-00-01 8/30/2022	RB-W-000-50-220830-00-01 8/30/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	60.3	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.5	66.7	58.4	64.9	84.3	91.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	20	--	--	--	--	--
Percent passing (hydrometer 2)	D422	8.6	--	--	--	--	--
Percent passing (hydrometer 3)	D422	4.8	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	46.2	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	84	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	31.3	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	97.3	--	--	--	--	--
Percent retained 30-micron sieve	D422	96	--	--	--	--	--
Sand	D422	68.7	--	--	--	--	--
Silt	D422	31.3	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.048 U	0.055 U	0.047 U	0.038 U	0.035 U
Aroclor 1221	SW8082A	0.048 U	0.048 U	0.055 U	0.047 U	0.038 U	0.035 U
Aroclor 1232	SW8082A	0.048 U	0.048 U	0.055 U	0.047 U	0.038 U	0.035 U
Aroclor 1242	SW8082A	0.048 U	0.048 U	0.055 U	0.047 U	0.038 U	0.035 U
Aroclor 1248	SW8082A	0.048 U	0.048 U	0.055 U	0.047 U	0.038 U	0.035 U
Aroclor 1254	SW8082A	3.11 J	1.56	2.06 J	2.67 J	3.73 J	16.2 J
Aroclor 1260	SW8082A	23.9 J	8.17	10.8 J	7.52 J	12.4 J	86.5 J
Total PCB Aroclors (U = 0 max limit)		27.0 J	9.73	12.9 J	10.2 J	16.1 J	103 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-000-68-220830-00-01 8/30/2022	RB-W-001-06-220830-00-01 8/30/2022	RB-W-001-33-220830-00-01 8/30/2022	RB-W-001-55-220830-00-01 8/30/2022	RB-W-001-74-220831-00-01 8/31/2022	RB-W-002-10-220831-00-01 8/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	23.5
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	85.6	83.7	85.4	91.9	78	79.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0.11
Percent passing (hydrometer 1)	D422	--	--	--	--	--	14
Percent passing (hydrometer 2)	D422	--	--	--	--	--	7
Percent passing (hydrometer 3)	D422	--	--	--	--	--	5.8
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	33.8
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	99.8
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	99.9
Percent passing 50-micron sieve	D422	--	--	--	--	--	74.6
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	22.1
Percent passing 8.0 micron	D422	--	--	--	--	--	99.8
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	98.7
Percent retained 30-micron sieve	D422	--	--	--	--	--	94.4
Sand	D422	--	--	--	--	--	77.8
Silt	D422	--	--	--	--	--	22.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.039 U	0.039 U	0.036 U	0.041 U	0.038 U
Aroclor 1221	SW8082A	0.037 U	0.039 U	0.039 U	0.036 U	0.041 U	0.038 U
Aroclor 1232	SW8082A	0.037 U	0.039 U	0.039 U	0.036 U	0.041 U	0.038 U
Aroclor 1242	SW8082A	0.037 U	0.039 U	0.039 U	0.036 U	0.041 U	0.038 U
Aroclor 1248	SW8082A	0.037 U	0.039 U	0.039 U	0.036 U	0.041 U	0.038 U
Aroclor 1254	SW8082A	2.08 J	5.4 J	0.599 J	0.589 J	0.18	0.198
Aroclor 1260	SW8082A	6.59 J	18.5 J	1.74 J	2.08 J	0.771	0.432
Total PCB Aroclors (U = 0 max limit)		8.67 J	24 J	2.34 J	2.67 J	0.95	0.63

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-002-36-220831-00-01 8/31/2022	RB-W-002-60-220831-00-01 8/31/2022	RB-W-002-86-220831-00-01 8/31/2022	RB-W-003-01-220831-00-01 8/31/2022	RB-W-003-22-220831-00-01 8/31/2022	RB-W-003-27-220831-00-01 8/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71	72.1	74.9	78.5	72.6	70.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.045 U	0.041 U	0.041 U	0.044 U	0.044 U
Aroclor 1221	SW8082A	0.043 U	0.045 U	0.041 U	0.041 U	0.044 U	0.044 U
Aroclor 1232	SW8082A	0.043 U	0.045 U	0.041 U	0.041 U	0.044 U	0.044 U
Aroclor 1242	SW8082A	0.043 U	0.045 U	0.041 U	0.041 U	0.044 U	0.044 U
Aroclor 1248	SW8082A	0.043 U	0.045 U	0.041 U	0.041 U	0.044 U	0.044 U
Aroclor 1254	SW8082A	0.328	0.347	0.658	0.764	2.09	1.88
Aroclor 1260	SW8082A	1.06	1	2.03	2.64	4.34	5.93
Total PCB Aroclors (U = 0 max limit)		1.39	1.3	2.69	3.4	6.43	7.81

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-003-46-220831-00-01 8/31/2022	RB-W-003-56-220831-00-01 8/31/2022	RB-W-003-56-BD0001 8/31/2022	RB-W-003-77-220831-00-01 8/31/2022	RB-W-003-88-230518-00-01 5/18/2023	RB-W-004-06-230523-00-01 5/23/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78.8	74.4	68.9	63.5	59.7	59.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.043 U	0.047 U	0.050 U	0.032 U	0.033 U
Aroclor 1221	SW8082A	0.040 U	0.043 U	0.047 U	0.050 U	0.032 U	0.033 U
Aroclor 1232	SW8082A	0.040 U	0.043 U	0.047 U	0.050 U	0.032 U	0.033 U
Aroclor 1242	SW8082A	0.040 U	0.043 U	0.047 U	0.050 U	0.032 U	0.033 U
Aroclor 1248	SW8082A	0.040 U	0.043 U	0.047 U	0.050 U	0.032 U	0.033 U
Aroclor 1254	SW8082A	2.09	3.64 J	0.328 J	0.15	0.032 U	0.033 U
Aroclor 1260	SW8082A	6.26	7.42 J	1.02 J	0.323	1.1	0.164
Total PCB Aroclors (U = 0 max limit)		8.35	11.1 J	1.35 J	0.47	1.1	0.164

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-004-17-230518-00-01 5/18/2023	RB-W-004-33-220902-00-01 9/2/2022	RB-W-004-43-220902-00-01 9/2/2022	RB-W-004-63-220902-00-01 9/2/2022	RB-W-004-83-220902-00-01 9/2/2022	RB-W-005-05-230523-00-01 5/23/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	59.1	89.8	77.9	82.7	84.3	56
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.037 U	0.038 U	0.039 U	0.039 U	0.034 U
Aroclor 1221	SW8082A	0.033 U	0.037 U	0.038 U	0.039 U	0.039 U	0.034 U
Aroclor 1232	SW8082A	0.033 U	0.037 U	0.038 U	0.039 U	0.039 U	0.034 U
Aroclor 1242	SW8082A	0.033 U	0.037 U	0.038 U	0.039 U	0.039 U	0.034 U
Aroclor 1248	SW8082A	0.033 U	0.037 U	0.038 U	0.039 U	0.039 U	0.034 U
Aroclor 1254	SW8082A	0.033 U	3.59 J	6.68 J	8.63 J	17.4	0.034 U
Aroclor 1260	SW8082A	0.207	17.9	17.7 J	22.6 J	13.1	0.253
Total PCB Aroclors (U = 0 max limit)		0.207	21.5 J	24.4 J	31.2 J	30.5	0.253

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-005-100-220902-00-01 9/2/2022	RB-W-005-32-220901-00-01 9/1/2022	RB-W-005-58-220901-00-01 9/1/2022	RB-W-005-76-220901-00-01 9/1/2022	RB-W-006-14-220901-00-01 9/1/2022	RB-W-006-35-220901-00-01 9/1/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.4	85.6	90.8	80	81.1	84.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.038 U	0.036 U	0.040 U	0.037 U	0.035 U
Aroclor 1221	SW8082A	0.039 U	0.038 U	0.036 U	0.040 U	0.037 U	0.035 U
Aroclor 1232	SW8082A	0.039 U	0.038 U	0.036 U	0.040 U	0.037 U	0.035 U
Aroclor 1242	SW8082A	0.039 U	0.038 U	0.036 U	0.040 U	0.037 U	0.035 U
Aroclor 1248	SW8082A	0.039 U	0.038 U	0.036 U	0.040 U	0.037 U	0.035 U
Aroclor 1254	SW8082A	9.15 J	8.19 J	2.4	1.87	1.6	5.39
Aroclor 1260	SW8082A	19.3 J	8 J	6.66	5.54	4.46	22.4
Total PCB Aroclors (U = 0 max limit)		28.5 J	16 J	9.1	7.41	6.1	27.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-006-58-220901-00-01 9/1/2022	RB-W-006-81-230518-00-01 5/18/2023	RB-W-007-07-220901-00-01 9/1/2022	RB-W-007-30-230518-00-01 5/18/2023	RB-W-008-13-220901-00-01 9/1/2022	RB-W-008-32-220901-00-01 9/1/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	59.3	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	92.8	65.5	75.8	65.4	84.5	83.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	20	--	--
Percent passing (hydrometer 2)	D422	--	--	--	8.7	--	--
Percent passing (hydrometer 3)	D422	--	--	--	0.97	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	51.3	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	85.8	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	37.6	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.2	--	--
Sand	D422	--	--	--	62.4	--	--
Silt	D422	--	--	--	37.6	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.032 U	0.029 U	0.040 U	0.030 U	0.035 U	0.040 U
Aroclor 1221	SW8082A	0.032 U	0.029 U	0.040 U	0.030 U	0.035 U	0.040 U
Aroclor 1232	SW8082A	0.032 U	0.029 U	0.040 U	0.030 U	0.035 U	0.040 U
Aroclor 1242	SW8082A	0.032 U	0.029 U	0.040 U	0.030 U	0.035 U	0.040 U
Aroclor 1248	SW8082A	0.032 U	0.029 U	0.040 U	0.030 U	0.035 U	0.040 U
Aroclor 1254	SW8082A	20.1	0.029 U	5.34 J	0.030 U	1.31 J	2.05
Aroclor 1260	SW8082A	25.7	2.18	11.3 J	1.28	4.96 J	5.33
Total PCB Aroclors (U = 0 max limit)		45.8	2.18	16.6 J	1.28	6.27 J	7.38

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-008-61-220901-00-01 9/1/2022	RB-W-008-83-220902-00-01 9/2/2022	RB-W-008-83-BD0001 9/2/2022	RB-W-009-18-220902-00-01 9/2/2022	RB-W-009-54-220902-00-01 9/2/2022	RB-W-009-81-220902-00-01 9/2/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	17.3	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	79.4	86.6	87.6	82.9	74.1	75.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0.07	--	--	--	--
Percent passing (hydrometer 1)	D422	--	12	--	--	--	--
Percent passing (hydrometer 2)	D422	--	5.8	--	--	--	--
Percent passing (hydrometer 3)	D422	--	3.5	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	45.6	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	99.9	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	99.9	--	--	--	--
Percent passing 50-micron sieve	D422	--	91.1	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	21.7	--	--	--	--
Percent passing 8.0 micron	D422	--	99.9	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.5	--	--	--	--
Percent retained 30-micron sieve	D422	--	97.5	--	--	--	--
Sand	D422	--	78.2	--	--	--	--
Silt	D422	--	21.7	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.038 U	0.038 U	0.038 U	0.042 U	0.043 U
Aroclor 1221	SW8082A	0.037 U	0.038 U	0.038 U	0.038 U	0.042 U	0.043 U
Aroclor 1232	SW8082A	0.037 U	0.038 U	0.038 U	0.038 U	0.042 U	0.043 U
Aroclor 1242	SW8082A	0.037 U	0.038 U	0.038 U	0.038 U	0.042 U	0.043 U
Aroclor 1248	SW8082A	0.037 U	0.038 U	0.038 U	0.038 U	0.042 U	0.043 U
Aroclor 1254	SW8082A	1.47	2.03	2.02	0.708	1.47	1.33
Aroclor 1260	SW8082A	4.54	7.38	7.08	2.18	4.17	3.62
Total PCB Aroclors (U = 0 max limit)		6.01	9.41	9.1	2.89	5.64	4.95

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-010-09-220902-00-01 9/2/2022	RB-W-010-38-220902-00-01 9/2/2022	RB-W-010-86-220902-00-01 9/2/2022	RB-W-011-08-220902-00-01 9/2/2022	RB-W-011-40-220902-00-01 9/2/2022	RB-W-011-62-220902-00-01 9/2/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.6	77.8	74	74.3	82.7	68.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.039 U	0.040 U	0.042 U	0.036 U	0.044 U
Aroclor 1221	SW8082A	0.043 U	0.039 U	0.040 U	0.042 U	0.036 U	0.044 U
Aroclor 1232	SW8082A	0.043 U	0.039 U	0.040 U	0.042 U	0.036 U	0.044 U
Aroclor 1242	SW8082A	0.043 U	0.039 U	0.040 U	0.042 U	0.036 U	0.044 U
Aroclor 1248	SW8082A	0.043 U	0.039 U	0.040 U	0.042 U	0.036 U	0.044 U
Aroclor 1254	SW8082A	1.02	1.33	1.08	1.2	1.3	1.41
Aroclor 1260	SW8082A	2.86	3.92	3.5	3.21	3.55	2.94
Total PCB Aroclors (U = 0 max limit)		3.88	5.25	4.6	4.4	4.9	4.35

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-011-77-220902-00-01 9/2/2022	RB-W-011-98-220902-00-01 9/2/2022	RB-W-012-13-220902-00-01 9/2/2022	RB-W-012-53-220902-00-01 9/2/2022	RB-W-012-59-220902-00-01 9/2/2022	RB-W-012-69-220908-00-01 9/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.9	70.3	55.7	48.2	66.9	63.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.042 U	0.058 U	0.061 U	0.048 U	0.046 U
Aroclor 1221	SW8082A	0.046 U	0.042 U	0.058 U	0.061 U	0.048 U	0.046 U
Aroclor 1232	SW8082A	0.046 U	0.042 U	0.058 U	0.061 U	0.048 U	0.046 U
Aroclor 1242	SW8082A	0.046 U	0.042 U	0.058 U	0.061 U	0.048 U	0.046 U
Aroclor 1248	SW8082A	0.046 U	0.042 U	0.058 U	0.061 U	0.048 U	0.046 U
Aroclor 1254	SW8082A	1.14	1.53	0.863	1.91	2.99	8.51 J
Aroclor 1260	SW8082A	3	3.56	2.28	6.83	8.99	39.7
Total PCB Aroclors (U = 0 max limit)		4.1	5.09	3.14	8.74	12	48.2 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-012-89-220908-00-01 9/8/2022	RB-W-013-13-220908-00-01 9/8/2022	RB-W-013-30-230518-00-01 5/18/2023	RB-W-013-40-220908-00-01 9/8/2022	RB-W-013-58-220908-00-01 9/8/2022	RB-W-013-79-220912-00-01 9/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	24.4	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.5	80.5	75.3	78.4	73	67.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	2.2	--	--	--	--
Percent passing (hydrometer 1)	D422	--	6	--	--	--	--
Percent passing (hydrometer 2)	D422	--	2.9	--	--	--	--
Percent passing (hydrometer 3)	D422	--	0.98	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	98.8	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	53.3	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	97	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	97.8	--	--	--	--
Percent passing 50-micron sieve	D422	--	92	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	25.7	--	--	--	--
Percent passing 8.0 micron	D422	--	97.2	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	96.2	--	--	--	--
Percent retained 30-micron sieve	D422	--	94.7	--	--	--	--
Sand	D422	--	72.1	--	--	--	--
Silt	D422	--	25.7	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.037 U	0.025 U	0.038 U	0.041 U	0.049 U
Aroclor 1221	SW8082A	0.040 U	0.037 U	0.025 U	0.038 U	0.041 U	0.049 U
Aroclor 1232	SW8082A	0.040 U	0.037 U	0.025 U	0.038 U	0.041 U	0.049 U
Aroclor 1242	SW8082A	0.040 U	0.037 U	0.025 U	0.038 U	0.041 U	0.049 U
Aroclor 1248	SW8082A	0.040 U	0.037 U	0.025 U	0.038 U	0.041 U	0.049 U
Aroclor 1254	SW8082A	0.0608	0.218	0.025 U	0.038 U	0.0437	0.231
Aroclor 1260	SW8082A	0.34	0.634	0.025 U	0.038 U	0.127	0.677
Total PCB Aroclors (U = 0 max limit)		0.4	0.852	0.021 U	0.034 U	0.171	0.908

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-013-89-220908-00-01 9/8/2022	RB-W-014-07-220908-00-01 9/8/2022	RB-W-014-32-220908-00-01 9/8/2022	RB-W-014-48-220908-00-01 9/8/2022	RB-W-014-69-220908-00-01 9/8/2022	RB-W-015-31-220908-00-01 9/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.6	71.7	68.3	70.8	89.4	75.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.046 U	0.046 U	0.047 U	0.036 U	0.042 U
Aroclor 1221	SW8082A	0.044 U	0.046 U	0.046 U	0.047 U	0.036 U	0.042 U
Aroclor 1232	SW8082A	0.044 U	0.046 U	0.046 U	0.047 U	0.036 U	0.042 U
Aroclor 1242	SW8082A	0.044 U	0.046 U	0.046 U	0.047 U	0.036 U	0.042 U
Aroclor 1248	SW8082A	0.044 U	0.046 U	0.046 U	0.047 U	0.036 U	0.042 U
Aroclor 1254	SW8082A	0.315	0.0309 J	0.046 U	0.047 U	0.036 U	0.385
Aroclor 1260	SW8082A	0.752	0.0731	0.046 U	0.0604	0.0845	1.74
Total PCB Aroclors (U = 0 max limit)		1.07	0.104 J	0.041 U	0.0604	0.0845	2.13

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-015-59-220908-00-01 9/8/2022	RB-W-016-06-230418-00-01 4/18/2023	RB-W-016-23-220908-00-01 9/8/2022	RB-W-016-48-230418-00-01 4/18/2023	RB-W-016-76-220908-00-01 9/8/2022	RB-W-017-08-230418-00-01 4/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68	76	83.8	82	75.7	75.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.025 U	0.039 U	0.024 U	0.040 U	0.025 U
Aroclor 1221	SW8082A	0.048 U	0.025 U	0.039 U	0.024 U	0.040 U	0.025 U
Aroclor 1232	SW8082A	0.048 U	0.025 U	0.039 U	0.024 U	0.040 U	0.025 U
Aroclor 1242	SW8082A	0.048 U	0.025 U	0.039 U	0.024 U	0.040 U	0.025 U
Aroclor 1248	SW8082A	0.048 U	0.025 U	0.039 U	0.024 U	0.040 U	0.025 U
Aroclor 1254	SW8082A	0.356 J	0.025 U	0.818	0.024 U	0.72	0.025 U
Aroclor 1260	SW8082A	1.47 J	1.87	3.93	5.43	2.84	2.47
Total PCB Aroclors (U = 0 max limit)		1.83 J	1.87	4.75	5.43	3.6	2.47

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-017-32-220908-00-01 9/8/2022	RB-W-017-32-BD0001 9/8/2022	RB-W-017-59-230418-00-01 4/18/2023	RB-W-017-59-BD0001 4/18/2023	RB-W-017-81-220908-00-01 9/8/2022	RB-W-018-09-220908-00-01 9/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.6	71.4	69	65.7	58.4	73
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.045 U	0.028 U	0.030 U	0.051 U	0.043 U
Aroclor 1221	SW8082A	0.043 U	0.045 U	0.028 U	0.030 U	0.051 U	0.043 U
Aroclor 1232	SW8082A	0.043 U	0.045 U	0.028 U	0.030 U	0.051 U	0.043 U
Aroclor 1242	SW8082A	0.043 U	0.045 U	0.028 U	0.030 U	0.051 U	0.043 U
Aroclor 1248	SW8082A	0.043 U	0.045 U	0.028 U	0.030 U	0.051 U	0.043 U
Aroclor 1254	SW8082A	0.704	0.802	0.028 U	0.030 U	0.614	0.789
Aroclor 1260	SW8082A	3	2.97	2.67	1.67	1.76	4.21
Total PCB Aroclors (U = 0 max limit)		3.7	3.77	2.67	1.67	2.37	5

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-018-26-230418-00-01 4/18/2023	RB-W-018-59-220909-00-01 9/9/2022	RB-W-018-82-230418-00-01 4/18/2023	RB-W-019-09-220909-00-01 9/9/2022	RB-W-019-31-230418-00-01 4/18/2023	RB-W-019-57-220909-00-01 9/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78.1	77.9	70	75.3	70.3	70.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.043 U	0.029 U	0.040 U	0.028 U	0.043 U
Aroclor 1221	SW8082A	0.025 U	0.043 U	0.029 U	0.040 U	0.028 U	0.043 U
Aroclor 1232	SW8082A	0.025 U	0.043 U	0.029 U	0.040 U	0.028 U	0.043 U
Aroclor 1242	SW8082A	0.025 U	0.043 U	0.029 U	0.040 U	0.028 U	0.043 U
Aroclor 1248	SW8082A	0.025 U	0.043 U	0.029 U	0.040 U	0.028 U	0.043 U
Aroclor 1254	SW8082A	0.025 U	0.797	0.029 U	1.31	0.028 U	0.523
Aroclor 1260	SW8082A	2.68	2.42	2.56	4.65	1.44	1.98
Total PCB Aroclors (U = 0 max limit)		2.68	3.22	2.56	5.96	1.44	2.5

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-019-83-230418-00-01 4/18/2023	RB-W-020-11-220909-00-01 9/9/2022	RB-W-020-34-230418-00-01 4/18/2023	RB-W-020-59-220909-00-01 9/9/2022	RB-W-020-83-230418-00-01 4/18/2023	RB-W-021-05-220909-00-01 9/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	67.5	--	--	--	--	55.8
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60.1	62	66.6	64.1	63.3	64.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	0
Percent passing (hydrometer 1)	D422	2500	--	--	--	--	24
Percent passing (hydrometer 2)	D422	9	--	--	--	--	8
Percent passing (hydrometer 3)	D422	5	--	--	--	--	3.2
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	60.1	--	--	--	--	70.6
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	100
Percent passing 50-micron sieve	D422	92.9	--	--	--	--	96
Percent passing 75-micron sieve (No. 200)	D422	45.9	--	--	--	--	47.1
Percent passing 8.0 micron	D422	100	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	100	--	--	--	--	99.9
Percent retained 30-micron sieve	D422	97.3	--	--	--	--	98.7
Sand	D422	54	--	--	--	--	52.9
Silt	D422	46	--	--	--	--	47.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.050 U	0.029 U	0.048 U	0.030 U	0.048 U
Aroclor 1221	SW8082A	0.033 U	0.050 U	0.029 U	0.048 U	0.030 U	0.048 U
Aroclor 1232	SW8082A	0.033 U	0.050 U	0.029 U	0.048 U	0.030 U	0.048 U
Aroclor 1242	SW8082A	0.033 U	0.050 U	0.029 U	0.048 U	0.030 U	0.048 U
Aroclor 1248	SW8082A	0.033 U	0.050 U	0.029 U	0.048 U	0.030 U	0.048 U
Aroclor 1254	SW8082A	0.033 U	0.364	0.029 U	0.388	0.030 U	0.525
Aroclor 1260	SW8082A	0.853	0.986	1.65	1.3	1.33	2.09
Total PCB Aroclors (U = 0 max limit)		0.853	1.35	1.65	1.7	1.33	2.62

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-021-33-230418-00-01 4/18/2023	RB-W-021-56-220909-00-01 9/9/2022	RB-W-021-81-230418-00-01 4/18/2023	RB-W-022-06-220909-00-01 9/9/2022	RB-W-022-25-230418-00-01 4/18/2023	RB-W-022-49-220909-00-01 9/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.7	68.6	58.5	66.5	66.5	67.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.029 U	0.047 U	0.032 U	0.047 U	0.030 U	0.048 U
Aroclor 1221	SW8082A	0.029 U	0.047 U	0.032 U	0.047 U	0.030 U	0.048 U
Aroclor 1232	SW8082A	0.029 U	0.047 U	0.032 U	0.047 U	0.030 U	0.048 U
Aroclor 1242	SW8082A	0.029 U	0.047 U	0.032 U	0.047 U	0.030 U	0.048 U
Aroclor 1248	SW8082A	0.029 U	0.047 U	0.032 U	0.047 U	0.030 U	0.048 U
Aroclor 1254	SW8082A	0.029 U	0.743	0.032 U	0.525	0.030 U	0.361
Aroclor 1260	SW8082A	2.03	3.43	0.84	2.09	1.5	1.25
Total PCB Aroclors (U = 0 max limit)		2.03	4.17	0.84	2.62	1.5	1.61

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-022-49-BD0001 9/9/2022	RB-W-022-74-230418-00-01 4/18/2023	RB-W-022-96-230418-00-01 4/18/2023	RB-W-023-18-220909-00-01 9/9/2022	RB-W-023-41-230418-00-01 4/18/2023	RB-W-023-68-230418-00-01 4/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	57	69.3	69.2	75.3	66.3	75
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.053 U	0.028 U	0.028 U	0.042 U	0.027 U	0.025 U
Aroclor 1221	SW8082A	0.053 U	0.028 U	0.028 U	0.042 U	0.027 U	0.025 U
Aroclor 1232	SW8082A	0.053 U	0.028 U	0.028 U	0.042 U	0.027 U	0.025 U
Aroclor 1242	SW8082A	0.053 U	0.028 U	0.028 U	0.042 U	0.027 U	0.025 U
Aroclor 1248	SW8082A	0.053 U	0.028 U	0.028 U	0.042 U	0.027 U	0.025 U
Aroclor 1254	SW8082A	0.383	0.028 U	0.028 U	0.583	0.027 U	0.025 U
Aroclor 1260	SW8082A	1.53	1.08	1.89	2.74	1.1	3.28
Total PCB Aroclors (U = 0 max limit)		1.91	1.08	1.89	3.32	1.1	3.28

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-023-89-220909-00-01 9/9/2022	RB-W-024-13-230418-00-01 4/18/2023	RB-W-024-59-220912-00-01 9/12/2022	RB-W-024-75-230418-00-01 4/18/2023	RB-W-024-97-220912-00-01 9/12/2022	RB-W-025-16-220912-00-01 9/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	83.1	38.7	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60.8	67.7	67.9	72.6	59.7	44.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	2.8	0	--	--	--	--
Percent passing (hydrometer 1)	D422	40	35	--	--	--	--
Percent passing (hydrometer 2)	D422	16	11	--	--	--	--
Percent passing (hydrometer 3)	D422	6.9	5	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	97.2	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	70.6	67.1	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	97.1	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	97.2	100	--	--	--	--
Percent passing 50-micron sieve	D422	92.5	91.1	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	53.5	57	--	--	--	--
Percent passing 8.0 micron	D422	97.2	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	96.9	100	--	--	--	--
Percent retained 30-micron sieve	D422	95.5	95.8	--	--	--	--
Sand	D422	43.8	43	--	--	--	--
Silt	D422	53.5	57	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.053 U	0.029 U	0.045 U	0.027 U	0.055 U	0.073 U
Aroclor 1221	SW8082A	0.053 U	0.029 U	0.045 U	0.027 U	0.055 U	0.073 U
Aroclor 1232	SW8082A	0.053 U	0.029 U	0.045 U	0.027 U	0.055 U	0.073 U
Aroclor 1242	SW8082A	0.053 U	0.029 U	0.045 U	0.027 U	0.055 U	0.073 U
Aroclor 1248	SW8082A	0.053 U	0.029 U	0.045 U	0.027 U	0.055 U	0.073 U
Aroclor 1254	SW8082A	4.67	0.029 U	0.0836 J	0.027 U	1.72	0.415
Aroclor 1260	SW8082A	8.42	5.26	0.266	6.05	5.16	1.61
Total PCB Aroclors (U = 0 max limit)		13.1	5.26	0.350 J	6.05	6.88	2.03

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-025-30-230418-00-01 4/18/2023	RB-W-025-46-230418-00-01 4/18/2023	RB-W-025-67-220912-00-01 9/12/2022	RB-W-025-84-230418-00-01 4/18/2023	RB-W-026-07-220912-00-01 9/12/2022	RB-W-026-29-230418-00-01 4/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	24.2	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	75.5	75.3	71.1	70.7	82.4	79.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0.03	--
Percent passing (hydrometer 1)	D422	--	--	--	--	18	--
Percent passing (hydrometer 2)	D422	--	--	--	--	4	--
Percent passing (hydrometer 3)	D422	--	--	--	--	2.9	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	80.6	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	99.8	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	94	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	54.9	--
Percent passing 8.0 micron	D422	--	--	--	--	99.8	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.3	--
Percent retained 30-micron sieve	D422	--	--	--	--	97.9	--
Sand	D422	--	--	--	--	45.1	--
Silt	D422	--	--	--	--	54.9	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.025 U	0.045 U	0.028 U	0.038 U	0.024 U
Aroclor 1221	SW8082A	0.026 U	0.025 U	0.045 U	0.028 U	0.038 U	0.024 U
Aroclor 1232	SW8082A	0.026 U	0.025 U	0.045 U	0.028 U	0.038 U	0.024 U
Aroclor 1242	SW8082A	0.026 U	0.025 U	0.045 U	0.028 U	0.038 U	0.024 U
Aroclor 1248	SW8082A	0.026 U	0.025 U	0.045 U	0.028 U	0.038 U	0.024 U
Aroclor 1254	SW8082A	0.026 U	0.025 U	0.045 U	0.028 U	0.0611	0.024 U
Aroclor 1260	SW8082A	5.07	0.235	0.0245 J	0.028 U	0.334	0.625
Total PCB Aroclors (U = 0 max limit)		5.07	0.235	0.0245 J	0.0062 U	0.395	0.625

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-026-29-BD0001 4/18/2023	RB-W-026-53-220912-00-01 9/12/2022	RB-W-026-81-230519-00-01 5/19/2023	RB-W-027-10-220912-00-01 9/12/2022	RB-W-027-10-BD0001 9/12/2022	RB-W-027-31-220912-00-01 9/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	80.2	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	86.3	57.4	62.4	69	70.7	65.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	29.1	--	--	--
Percent passing (hydrometer 2)	D422	--	--	10.3	--	--	--
Percent passing (hydrometer 3)	D422	--	--	4.7	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	63.1	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	89.2	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	43.5	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	96.3	--	--	--
Sand	D422	--	--	56.5	--	--	--
Silt	D422	--	--	43.5	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.022 U	0.055 U	0.031 U	0.047 U	0.045 U	0.047 U
Aroclor 1221	SW8082A	0.022 U	0.055 U	0.031 U	0.047 U	0.045 U	0.047 U
Aroclor 1232	SW8082A	0.022 U	0.055 U	0.031 U	0.047 U	0.045 U	0.047 U
Aroclor 1242	SW8082A	0.022 U	0.055 U	0.031 U	0.047 U	0.045 U	0.047 U
Aroclor 1248	SW8082A	0.022 U	0.055 U	0.031 U	0.047 U	0.045 U	0.047 U
Aroclor 1254	SW8082A	0.022 U	0.324	0.031 U	0.642	0.891	0.193
Aroclor 1260	SW8082A	0.949	1.59	1.03	2.43	3.42	0.625
Total PCB Aroclors (U = 0 max limit)		0.949	1.91	1.03	3.07	4.31	0.818

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-027-53-230519-00-01 5/19/2023	RB-W-027-78-220912-00-01 9/12/2022	RB-W-027-99-230519-00-01 5/19/2023	RB-W-028-24-220912-00-01 9/12/2022	RB-W-028-51-230519-00-01 5/19/2023	RB-W-028-77-220912-00-01 9/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.1	67.9	50.3	83.9	66.4	60.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.030 U	0.048 U	0.036 U	0.039 U	0.028 U	0.050 U
Aroclor 1221	SW8082A	0.030 U	0.048 U	0.036 U	0.039 U	0.028 U	0.050 U
Aroclor 1232	SW8082A	0.030 U	0.048 U	0.036 U	0.039 U	0.028 U	0.050 U
Aroclor 1242	SW8082A	0.030 U	0.048 U	0.036 U	0.039 U	0.028 U	0.050 U
Aroclor 1248	SW8082A	0.030 U	0.048 U	0.036 U	0.039 U	0.028 U	0.050 U
Aroclor 1254	SW8082A	10.4	0.0653	0.036 U	0.87	0.028 U	0.668
Aroclor 1260	SW8082A	14	0.278	0.799	3.9	0.84	3.28
Total PCB Aroclors (U = 0 max limit)		24	0.343	0.799	4.8	0.84	3.95

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-029-05-230519-00-01 5/19/2023	RB-W-029-35-220912-00-01 9/12/2022	RB-W-029-65-230519-00-01 5/19/2023	RB-W-029-89-220912-00-01 9/12/2022	RB-W-030-18-230519-00-01 5/19/2023	RB-W-030-54-220912-00-01 9/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62.3	65.8	64.2	67.2	63.5	71.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.031 U	0.050 U	0.029 U	0.044 U	0.030 U	0.042 U
Aroclor 1221	SW8082A	0.031 U	0.050 U	0.029 U	0.044 U	0.030 U	0.042 U
Aroclor 1232	SW8082A	0.031 U	0.050 U	0.029 U	0.044 U	0.030 U	0.042 U
Aroclor 1242	SW8082A	0.031 U	0.050 U	0.029 U	0.044 U	0.030 U	0.042 U
Aroclor 1248	SW8082A	0.031 U	0.050 U	0.029 U	0.044 U	0.030 U	0.042 U
Aroclor 1254	SW8082A	0.031 U	1.07	0.029 U	0.538	0.030 U	0.564
Aroclor 1260	SW8082A	1.94	4.02	1.28	1.8	0.775	2.12
Total PCB Aroclors (U = 0 max limit)		1.94	5.09	1.28	2.3	0.775	2.68

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-030-74-230519-00-01 5/19/2023	RB-W-030-96-220912-00-01 9/12/2022	RB-W-031-26-230519-00-01 5/19/2023	RB-W-031-49-220912-00-01 9/12/2022	RB-W-031-77-230519-00-01 5/19/2023	RB-W-032-06-220912-00-01 9/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	45.3	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64.1	57.1	59.8	69.2	63.8	74
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0.05	--	--
Percent passing (hydrometer 1)	D422	--	--	--	20	--	--
Percent passing (hydrometer 2)	D422	--	--	--	6	--	--
Percent passing (hydrometer 3)	D422	--	--	--	1.1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	46.3	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99.9	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	92.3	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	26.5	--	--
Percent passing 8.0 micron	D422	--	--	--	99.9	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.8	--	--
Percent retained 30-micron sieve	D422	--	--	--	98.3	--	--
Sand	D422	--	--	--	73.5	--	--
Silt	D422	--	--	--	26.5	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.030 U	0.052 U	0.033 U	0.044 U	0.031 U	0.040 U
Aroclor 1221	SW8082A	0.030 U	0.052 U	0.033 U	0.044 U	0.031 U	0.040 U
Aroclor 1232	SW8082A	0.030 U	0.052 U	0.033 U	0.044 U	0.031 U	0.040 U
Aroclor 1242	SW8082A	0.030 U	0.052 U	0.033 U	0.044 U	0.031 U	0.040 U
Aroclor 1248	SW8082A	0.030 U	0.052 U	0.033 U	0.044 U	0.031 U	0.040 U
Aroclor 1254	SW8082A	0.030 U	0.324	0.033 U	0.732	0.031 U	0.429
Aroclor 1260	SW8082A	0.805	1.13	2.46	2.58	1.05	1.55
Total PCB Aroclors (U = 0 max limit)		0.805	1.45	2.46	3.31	1.05	1.98

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-032-32-230519-00-01 5/19/2023	RB-W-032-60-220912-00-01 9/12/2022	RB-W-032-84-230519-00-01 5/19/2023	RB-W-033-08-220912-00-01 9/12/2022	RB-W-033-39-220912-00-01 9/12/2022	RB-W-033-64-230519-00-01 5/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	54.7	69.7	60.9	71.4	62.4	56.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.045 U	0.031 U	0.042 U	0.051 U	0.035 U
Aroclor 1221	SW8082A	0.034 U	0.045 U	0.031 U	0.042 U	0.051 U	0.035 U
Aroclor 1232	SW8082A	0.034 U	0.045 U	0.031 U	0.042 U	0.051 U	0.035 U
Aroclor 1242	SW8082A	0.034 U	0.045 U	0.031 U	0.042 U	0.051 U	0.035 U
Aroclor 1248	SW8082A	0.034 U	0.045 U	0.031 U	0.042 U	0.051 U	0.035 U
Aroclor 1254	SW8082A	0.034 U	0.461 J	0.031 U	0.714	0.481	0.035 U
Aroclor 1260	SW8082A	0.782	1.96 J	1.09	2.75	1.38	1.47
Total PCB Aroclors (U = 0 max limit)		0.782	2.42 J	1.09	3.46	1.86	1.47

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-033-90-220912-00-01 9/12/2022	RB-W-034-14-230519-00-01 5/19/2023	RB-W-034-42-220914-00-01 9/14/2022	RB-W-034-42-BD0001 9/14/2022	RB-W-034-65-230519-00-01 5/19/2023	RB-W-034-90-220914-00-01 9/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	58.3	--	--	--	--	36
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	61.4	53.9	60.2	60.9	47.2	74.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0.02	--	--	--	--	0.02
Percent passing (hydrometer 1)	D422	13	--	--	--	--	13
Percent passing (hydrometer 2)	D422	4	--	--	--	--	7.6
Percent passing (hydrometer 3)	D422	1.1	--	--	--	--	5.4
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	66.2	--	--	--	--	44
Percent passing 2000-micron sieve (No. 10)	D422	99.9	--	--	--	--	99.9
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	100
Percent passing 50-micron sieve	D422	96.2	--	--	--	--	93.4
Percent passing 75-micron sieve (No. 200)	D422	39.8	--	--	--	--	20.4
Percent passing 8.0 micron	D422	100	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	99.9	--	--	--	--	99.8
Percent retained 30-micron sieve	D422	99	--	--	--	--	98.5
Sand	D422	60.2	--	--	--	--	79.6
Silt	D422	39.8	--	--	--	--	20.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.036 U	0.053 U	0.051 U	0.042 U	0.043 U
Aroclor 1221	SW8082A	0.048 U	0.036 U	0.053 U	0.051 U	0.042 U	0.043 U
Aroclor 1232	SW8082A	0.048 U	0.036 U	0.053 U	0.051 U	0.042 U	0.043 U
Aroclor 1242	SW8082A	0.048 U	0.036 U	0.053 U	0.051 U	0.042 U	0.043 U
Aroclor 1248	SW8082A	0.048 U	0.036 U	0.053 U	0.051 U	0.042 U	0.043 U
Aroclor 1254	SW8082A	0.276	0.036 U	0.789	0.608	0.042 U	0.932
Aroclor 1260	SW8082A	0.777	1.27	3.55	2.87	1.84	4.47
Total PCB Aroclors (U = 0 max limit)		1.05	1.27	4.34	3.48	1.84	5.4

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-035-24-230519-00-01 5/19/2023	RB-W-035-44-220914-00-01 9/14/2022	RB-W-035-67-230519-00-01 5/19/2023	RB-W-035-90-220914-00-01 9/14/2022	RB-W-036-09-230519-00-01 5/19/2023	RB-W-036-31-220914-00-01 9/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.7	60.7	52.3	65	62.6	57.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.052 U	0.038 U	0.049 U	0.030 U	0.056 U
Aroclor 1221	SW8082A	0.026 U	0.052 U	0.038 U	0.049 U	0.030 U	0.056 U
Aroclor 1232	SW8082A	0.026 U	0.052 U	0.038 U	0.049 U	0.030 U	0.056 U
Aroclor 1242	SW8082A	0.026 U	0.052 U	0.038 U	0.049 U	0.030 U	0.056 U
Aroclor 1248	SW8082A	0.026 U	0.052 U	0.038 U	0.049 U	0.030 U	0.056 U
Aroclor 1254	SW8082A	0.026 U	0.471	0.038 U	0.684	0.030 U	1.2
Aroclor 1260	SW8082A	3.8	1.75	1.3	2.82	0.448	2.29
Total PCB Aroclors (U = 0 max limit)		3.8	2.22	1.3	3.5	0.448	3.5

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-036-50-230519-00-01 5/19/2023	RB-W-036-50-BD0001 5/19/2023	RB-W-036-72-230519-00-01 5/19/2023	RB-W-036-89-230519-00-01 5/19/2023	RB-W-037-12-230519-00-01 5/19/2023	RB-W-037-29-230519-00-01 5/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	57.5
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.8	66.5	61.5	61.2	77.4	51.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	29.1
Percent passing (hydrometer 1)	D422	--	--	--	--	--	16
Percent passing (hydrometer 2)	D422	--	--	--	--	--	5.3
Percent passing (hydrometer 3)	D422	--	--	--	--	--	3
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	76
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	82.2
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	86.7
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	27
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	62.4
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	91.7
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	70.9
Percent passing 50-micron sieve	D422	--	--	--	--	--	43.9
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	21
Percent passing 8.0 micron	D422	--	--	--	--	--	66.9
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	58.1
Percent retained 30-micron sieve	D422	--	--	--	--	--	53.2
Sand	D422	--	--	--	--	--	49.9
Silt	D422	--	--	--	--	--	21
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.026 U	0.033 U	0.032 U	0.023 U	0.036 U
Aroclor 1221	SW8082A	0.027 U	0.026 U	0.033 U	0.032 U	0.023 U	0.036 U
Aroclor 1232	SW8082A	0.027 U	0.026 U	0.033 U	0.032 U	0.023 U	0.036 U
Aroclor 1242	SW8082A	0.027 U	0.026 U	0.033 U	0.032 U	0.023 U	0.036 U
Aroclor 1248	SW8082A	0.027 U	0.026 U	0.033 U	0.032 U	0.023 U	0.036 U
Aroclor 1254	SW8082A	0.027 U	0.026 U	0.033 U	0.032 U	0.023 U	0.036 U
Aroclor 1260	SW8082A	0.0114 J	0.026 U	0.033 U	0.032 U	0.0165 J	0.272
Total PCB Aroclors (U = 0 max limit)		0.0114 J	0.022 U	0.0071 U	0.027 U	0.0165 J	0.272

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-037-54-230518-00-01 5/18/2023	RB-W-037-77-230518-00-01 5/18/2023	RB-W-037-94-230518-00-01 5/18/2023	RB-W-038-14-230518-00-01 5/18/2023	RB-W-038-35-230518-00-01 5/18/2023	RB-W-038-62-230518-00-01 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64	72.7	61.1	62.5	78.6	66.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.029 U	0.027 U	0.032 U	0.032 U	0.025 U	0.029 U
Aroclor 1221	SW8082A	0.029 U	0.027 U	0.032 U	0.032 U	0.025 U	0.029 U
Aroclor 1232	SW8082A	0.029 U	0.027 U	0.032 U	0.032 U	0.025 U	0.029 U
Aroclor 1242	SW8082A	0.029 U	0.027 U	0.032 U	0.032 U	0.025 U	0.029 U
Aroclor 1248	SW8082A	0.029 U	0.027 U	0.032 U	0.032 U	0.025 U	0.029 U
Aroclor 1254	SW8082A	0.029 U	0.027 U	0.032 U	0.032 U	0.025 U	0.029 U
Aroclor 1260	SW8082A	0.752	2.02	0.823	3.1	2.44	5.74
Total PCB Aroclors (U = 0 max limit)		0.752	2.02	0.823	3.1	2.44	5.74

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-038-91-230518-00-01 5/18/2023	RB-W-039-27-230518-00-01 5/18/2023	RB-W-039-64-220914-00-01 9/14/2022	RB-W-039-92-230518-00-01 5/18/2023	RB-W-040-24-220914-00-01 9/14/2022	RB-W-040-50-230518-00-01 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	17.4	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.8	82.7	68.1	65.3	65.4	59.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	9.6	--	--	--
Percent passing (hydrometer 1)	D422	--	--	9	--	--	--
Percent passing (hydrometer 2)	D422	--	--	3.9	--	--	--
Percent passing (hydrometer 3)	D422	--	--	3.9	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	98.4	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	19.6	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	77.2	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	90.4	--	--	--
Percent passing 50-micron sieve	D422	--	--	48.7	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	14.1	--	--	--
Percent passing 8.0 micron	D422	--	--	79.6	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	70.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	65.9	--	--	--
Sand	D422	--	--	76.4	--	--	--
Silt	D422	--	--	14.1	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.024 U	0.045 U	0.030 U	0.049 U	0.033 U
Aroclor 1221	SW8082A	0.027 U	0.024 U	0.045 U	0.030 U	0.049 U	0.033 U
Aroclor 1232	SW8082A	0.027 U	0.024 U	0.045 U	0.030 U	0.049 U	0.033 U
Aroclor 1242	SW8082A	0.027 U	0.024 U	0.045 U	0.030 U	0.049 U	0.033 U
Aroclor 1248	SW8082A	0.027 U	0.024 U	0.045 U	0.030 U	0.049 U	0.033 U
Aroclor 1254	SW8082A	0.027 U	0.024 U	2.89	0.030 U	2.83	0.033 U
Aroclor 1260	SW8082A	2.66	4.66	7.79	2.66	8.32	1.29
Total PCB Aroclors (U = 0 max limit)		2.66	4.66	10.7	2.66	11.2	1.29

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-040-50-BD0001 5/18/2023	RB-W-040-71-220914-00-01 9/14/2022	RB-W-040-90-230518-00-01 5/18/2023	RB-W-041-13-230518-00-01 5/18/2023	RB-W-041-33-220915-00-01 9/15/2022	RB-W-041-63-230518-00-01 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	53.9	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.2	63.9	60.1	66.5	72.4	56.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	15	--	--
Percent passing (hydrometer 2)	D422	--	--	--	4.9	--	--
Percent passing (hydrometer 3)	D422	--	--	--	2.9	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	42.6	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	90.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	28.1	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.7	--	--
Sand	D422	--	--	--	71.9	--	--
Silt	D422	--	--	--	28.1	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.049 U	0.033 U	0.029 U	0.043 U	0.036 U
Aroclor 1221	SW8082A	0.027 U	0.049 U	0.033 U	0.029 U	0.043 U	0.036 U
Aroclor 1232	SW8082A	0.027 U	0.049 U	0.033 U	0.029 U	0.043 U	0.036 U
Aroclor 1242	SW8082A	0.027 U	0.049 U	0.033 U	0.029 U	0.043 U	0.036 U
Aroclor 1248	SW8082A	0.027 U	0.049 U	0.033 U	0.029 U	0.043 U	0.036 U
Aroclor 1254	SW8082A	0.027 U	0.967	0.033 U	0.029 U	3.35	0.036 U
Aroclor 1260	SW8082A	1.98	2	0.795	0.829	11.8	2.38
Total PCB Aroclors (U = 0 max limit)		1.98	3	0.795	0.829	15.2	2.38

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-041-84-220915-00-01 9/15/2022	RB-W-042-16-230518-00-01 5/18/2023	RB-W-042-40-220915-00-01 9/15/2022	RB-W-042-68-220914-00-01 9/14/2022	RB-W-042-90-230518-00-01 5/18/2023	RB-W-043-18-230518-00-01 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	71.7	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60.2	64.4	58.2	58.6	57.7	63.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	25	--
Percent passing (hydrometer 2)	D422	--	--	--	--	8.8	--
Percent passing (hydrometer 3)	D422	--	--	--	--	2.9	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	59.6	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	94.1	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	39.4	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	100	--
Percent retained 30-micron sieve	D422	--	--	--	--	99.9	--
Sand	D422	--	--	--	--	60.6	--
Silt	D422	--	--	--	--	39.4	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.055 U	0.030 U	0.056 U	0.055 U	0.034 U	0.031 U
Aroclor 1221	SW8082A	0.055 U	0.030 U	0.056 U	0.055 U	0.034 U	0.031 U
Aroclor 1232	SW8082A	0.055 U	0.030 U	0.056 U	0.055 U	0.034 U	0.031 U
Aroclor 1242	SW8082A	0.055 U	0.030 U	0.056 U	0.055 U	0.034 U	0.031 U
Aroclor 1248	SW8082A	0.055 U	0.030 U	0.056 U	0.055 U	0.034 U	0.031 U
Aroclor 1254	SW8082A	1.26	0.030 U	2.06	0.915	0.034 U	0.031 U
Aroclor 1260	SW8082A	4.04	0.922	5.91	2.63	1.56	1.34
Total PCB Aroclors (U = 0 max limit)		5.3	0.922	7.97	3.55	1.56	1.34

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-043-18-BD0001 5/18/2023	RB-W-043-39-220914-00-01 9/14/2022	RB-W-043-58-230518-00-01 5/18/2023	RB-W-043-77-230518-00-01 5/18/2023	RB-W-043-98-220915-00-01 9/15/2022	RB-W-044-21-230518-00-01 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	43.6	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	58.6	62.4	79.1	72.8	71.1	73.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	13.8	--
Percent passing (hydrometer 1)	D422	--	--	--	--	18	--
Percent passing (hydrometer 2)	D422	--	--	--	--	6	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3.9	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	91.9	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	41.4	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	78	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	86.2	--
Percent passing 50-micron sieve	D422	--	--	--	--	56.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	32.3	--
Percent passing 8.0 micron	D422	--	--	--	--	79.2	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	74.2	--
Percent retained 30-micron sieve	D422	--	--	--	--	67.3	--
Sand	D422	--	--	--	--	53.9	--
Silt	D422	--	--	--	--	32.3	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.052 U	0.024 U	0.026 U	-- R	0.027 U
Aroclor 1221	SW8082A	0.033 U	0.052 U	0.024 U	0.026 U	-- R	0.027 U
Aroclor 1232	SW8082A	0.033 U	0.052 U	0.024 U	0.026 U	-- R	0.027 U
Aroclor 1242	SW8082A	0.033 U	0.052 U	0.024 U	0.026 U	-- R	0.027 U
Aroclor 1248	SW8082A	0.033 U	0.052 U	0.024 U	0.026 U	0.043 U	0.027 U
Aroclor 1254	SW8082A	0.033 U	0.968	0.024 U	0.026 U	0.043 U	0.027 U
Aroclor 1260	SW8082A	1.03	2.93	0.719	2.29	0.253	0.149
Total PCB Aroclors (U = 0 max limit)		1.03	3.9	0.719	2.29	0.253	0.149

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-044-43-220915-00-01 9/15/2022	RB-W-044-64-230518-00-01 5/18/2023	RB-W-044-89-220915-00-01 9/15/2022	RB-W-045-16-230518-00-01 5/18/2023	RB-W-045-38-220915-00-01 9/15/2022	RB-W-045-64-230518-00-01 5/18/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.9	74.8	77.4	63.5	75.2	66.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.026 U	0.041 U	0.031 U	0.041 U	0.029 U
Aroclor 1221	SW8082A	0.046 U	0.026 U	0.041 U	0.031 U	0.041 U	0.029 U
Aroclor 1232	SW8082A	0.046 U	0.026 U	0.041 U	0.031 U	0.041 U	0.029 U
Aroclor 1242	SW8082A	0.046 U	0.026 U	0.041 U	0.031 U	0.041 U	0.029 U
Aroclor 1248	SW8082A	0.046 U	0.026 U	0.041 U	0.031 U	0.041 U	0.029 U
Aroclor 1254	SW8082A	0.046 U	0.026 U	0.967	0.031 U	0.332	0.029 U
Aroclor 1260	SW8082A	0.313	0.412	3.25	1.25	1.19	2.34
Total PCB Aroclors (U = 0 max limit)		0.313	0.412	4.22	1.25	1.52	2.34

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-045-91-221115-00-01 11/15/2022	RB-W-046-12-220915-00-01 9/15/2022	RB-W-046-38-221115-00-01 11/15/2022	RB-W-046-68-220915-00-01 9/15/2022	RB-W-046-92-221115-00-01 11/15/2022	RB-W-047-15-220915-00-01 9/15/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.6	63.8	71.3	63.8	81.2	66.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.050 U	0.046 U	0.052 U	0.038 U	0.049 U
Aroclor 1221	SW8082A	0.046 U	0.050 U	0.046 U	0.052 U	0.038 U	0.049 U
Aroclor 1232	SW8082A	0.046 U	0.050 U	0.046 U	0.052 U	0.038 U	0.049 U
Aroclor 1242	SW8082A	0.046 U	0.050 U	0.046 U	0.052 U	0.038 U	0.049 U
Aroclor 1248	SW8082A	0.046 U	0.050 U	0.046 U	0.052 U	0.038 U	0.049 U
Aroclor 1254	SW8082A	0.477 J	1.05	1.43	0.777	1.07	1.15
Aroclor 1260	SW8082A	2.05 J	4.95	5.94	2.56	5.33	4.7
Total PCB Aroclors (U = 0 max limit)		2.53 J	6	7.37	3.34	6.4	5.9

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-047-39-221115-00-01 11/15/2022	RB-W-047-62-220915-00-01 9/15/2022	RB-W-047-87-221115-00-01 11/15/2022	RB-W-048-12-220915-00-01 9/15/2022	RB-W-048-83-230519-00-01 5/19/2023	RB-W-049-07-220915-00-01 9/15/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	27.2	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.6	75.3	74.3	69.8	68.3	73.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	7	--	--	--	--	--
Percent passing (hydrometer 1)	D422	22	--	--	--	--	--
Percent passing (hydrometer 2)	D422	9.3	--	--	--	--	--
Percent passing (hydrometer 3)	D422	3.6	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	34.9	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	74.6	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	93	--	--	--	--	--
Percent passing 50-micron sieve	D422	49.2	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	27.6	--	--	--	--	--
Percent passing 8.0 micron	D422	77.2	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	70	--	--	--	--	--
Percent retained 30-micron sieve	D422	61.4	--	--	--	--	--
Sand	D422	65.5	--	--	--	--	--
Silt	D422	27.6	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.042 U	0.043 U	0.044 U	0.029 U	0.043 U
Aroclor 1221	SW8082A	0.047 U	0.042 U	0.043 U	0.044 U	0.029 U	0.043 U
Aroclor 1232	SW8082A	0.047 U	0.042 U	0.043 U	0.044 U	0.029 U	0.043 U
Aroclor 1242	SW8082A	0.047 U	0.042 U	0.043 U	0.044 U	0.029 U	0.043 U
Aroclor 1248	SW8082A	0.047 U	0.042 U	0.043 U	0.044 U	0.029 U	0.043 U
Aroclor 1254	SW8082A	0.907	0.443	0.214 J	1.91	0.029 U	3.25
Aroclor 1260	SW8082A	2.57	1.57	0.564 J	5.31	0.54	10.1
Total PCB Aroclors (U = 0 max limit)		3.48	2.01	0.778 J	7.22	0.54	13.4

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-049-31-230519-00-01 5/19/2023	RB-W-049-53-220916-00-01 9/16/2022	RB-W-049-76-230519-00-01 5/19/2023	RB-W-049-99-220916-00-01 9/16/2022	RB-W-050-17-230519-00-01 5/19/2023	RB-W-050-40-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	48	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	50.1	68.4	56.6	68.8	70.4	72.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	10	--
Percent passing (hydrometer 2)	D422	--	--	--	--	2.7	--
Percent passing (hydrometer 3)	D422	--	--	--	--	2.7	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	35.7	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	95.9	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	85.4	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	22.8	--
Percent passing 8.0 micron	D422	--	--	--	--	97.9	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	94.9	--
Percent retained 30-micron sieve	D422	--	--	--	--	92.5	--
Sand	D422	--	--	--	--	77.2	--
Silt	D422	--	--	--	--	22.8	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.045 U	0.034 U	0.045 U	0.028 U	0.042 U
Aroclor 1221	SW8082A	0.037 U	0.045 U	0.034 U	0.045 U	0.028 U	0.042 U
Aroclor 1232	SW8082A	0.037 U	0.045 U	0.034 U	0.045 U	0.028 U	0.042 U
Aroclor 1242	SW8082A	0.037 U	0.045 U	0.034 U	0.045 U	0.028 U	0.042 U
Aroclor 1248	SW8082A	0.037 U	0.045 U	0.034 U	0.045 U	0.028 U	0.042 U
Aroclor 1254	SW8082A	0.037 U	1.53	0.034 U	1.38	0.028 U	0.161 J
Aroclor 1260	SW8082A	1.82	4.79	0.834	5.92	0.0536	0.514 J
Total PCB Aroclors (U = 0 max limit)		1.82	6.32	0.834	7.3	0.0536	0.675 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-050-62-221110-00-01 11/10/2022	RB-W-050-89-230519-00-01 5/19/2023	RB-W-051-14-220916-00-01 9/16/2022	RB-W-051-44-221110-00-01 11/10/2022	RB-W-051-64-220916-00-01 9/16/2022	RB-W-051-92-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	2.2	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	57.7	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	85.1	81.6	76.2	77	63.7	68.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	37	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	3.4	--
Percent passing (hydrometer 1)	D422	--	--	--	--	5.6	--
Percent passing (hydrometer 2)	D422	--	--	--	--	3	--
Percent passing (hydrometer 3)	D422	--	--	--	--	2.4	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	99	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	17.1	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	83.1	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	96.6	--
Percent passing 50-micron sieve	D422	--	--	--	--	29.7	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	9.9	--
Percent passing 8.0 micron	D422	--	--	--	--	86.8	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	64.4	--
Percent retained 30-micron sieve	D422	--	--	--	--	41.2	--
Sand	D422	--	--	--	--	86.7	--
Silt	D422	--	--	--	--	9.9	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.024 U	0.040 U	0.043 U	0.048 U	0.045 U
Aroclor 1221	SW8082A	0.037 U	0.024 U	0.040 U	0.043 U	0.048 U	0.045 U
Aroclor 1232	SW8082A	0.037 U	0.024 U	0.040 U	0.043 U	0.048 U	0.045 U
Aroclor 1242	SW8082A	0.037 U	0.024 U	0.040 U	0.043 U	0.048 U	0.045 U
Aroclor 1248	SW8082A	0.037 U	0.024 U	0.040 U	0.043 U	0.048 U	0.045 U
Aroclor 1254	SW8082A	0.0438 J	0.024 U	0.337	0.334 J	0.878	7.87 J
Aroclor 1260	SW8082A	0.207 J	0.118	1.24	1.25 J	2.42	26.3 J
Total PCB Aroclors (U = 0 max limit)		0.251 J	0.118	1.58	1.58 J	3.3	34.2 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-052-18-220916-00-01 9/16/2022	RB-W-052-37-221110-00-01 11/10/2022	RB-W-052-68-220916-00-01 9/16/2022	RB-W-052-68-BD0001 9/16/2022	RB-W-053-05-221110-00-01 11/10/2022	RB-W-053-05-BD0001 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	73.3	68.3	76.5	75.2	76.4	84
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.044 U	0.042 U	0.042 U	0.043 U	0.037 U
Aroclor 1221	SW8082A	0.045 U	0.044 U	0.042 U	0.042 U	0.043 U	0.037 U
Aroclor 1232	SW8082A	0.045 U	0.044 U	0.042 U	0.042 U	0.043 U	0.037 U
Aroclor 1242	SW8082A	0.045 U	0.044 U	0.042 U	0.042 U	0.043 U	0.037 U
Aroclor 1248	SW8082A	0.045 U	0.044 U	0.042 U	0.042 U	0.043 U	0.037 U
Aroclor 1254	SW8082A	1.98	0.686 J	0.832	0.754	0.295 J	0.27 J
Aroclor 1260	SW8082A	7.57	2.05 J	3.46	2.86	0.618 J	0.72 J
Total PCB Aroclors (U = 0 max limit)		9.55	2.74 J	4.29	3.61	0.913 J	0.99 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-053-45-220916-00-01 9/16/2022	RB-W-053-81-221110-00-01 11/10/2022	RB-W-054-25-220916-00-01 9/16/2022	RB-W-054-55-221110-00-01 11/10/2022	RB-W-054-82-220916-00-01 9/16/2022	RB-W-055-09-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	52.3	--	--	78.7	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	89	62.2	70.7	65.4	76.3	66.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0.02	--	--	0.25	--	--
Percent passing (hydrometer 1)	D422	17	--	--	10	--	--
Percent passing (hydrometer 2)	D422	6	--	--	3.1	--	--
Percent passing (hydrometer 3)	D422	3	--	--	3.1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	38.7	--	--	16.4	--	--
Percent passing 2000-micron sieve (No. 10)	D422	99.4	--	--	98.7	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	99.8	--	--
Percent passing 50-micron sieve	D422	85.2	--	--	42.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	27.6	--	--	11.7	--	--
Percent passing 8.0 micron	D422	99.7	--	--	99.1	--	--
Percent retained 16,000-micron sieve	D422	98.3	--	--	94.4	--	--
Percent retained 30-micron sieve	D422	95.5	--	--	76.5	--	--
Sand	D422	72.4	--	--	88.1	--	--
Silt	D422	27.6	--	--	11.7	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.052 U	0.046 U	0.050 U	0.043 U	0.048 U
Aroclor 1221	SW8082A	0.036 U	0.052 U	0.046 U	0.050 U	0.043 U	0.048 U
Aroclor 1232	SW8082A	0.036 U	0.052 U	0.046 U	0.050 U	0.043 U	0.048 U
Aroclor 1242	SW8082A	0.036 U	0.052 U	0.046 U	0.050 U	0.043 U	0.048 U
Aroclor 1248	SW8082A	0.036 U	0.052 U	0.046 U	0.050 U	0.043 U	0.048 U
Aroclor 1254	SW8082A	0.383	0.567 J	0.704	1.28 J	1.26	0.865 J
Aroclor 1260	SW8082A	0.982	1.43 J	1.98	4.13 J	3.96	3.22 J
Total PCB Aroclors (U = 0 max limit)		1.37	2.00 J	2.68	5.41 J	5.22	4.09 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-055-37-220916-00-01 9/16/2022	RB-W-055-65-221110-00-01 11/10/2022	RB-W-055-87-220916-00-01 9/16/2022	RB-W-056-07-221110-00-01 11/10/2022	RB-W-056-29-220916-00-01 9/16/2022	RB-W-056-60-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	82.2	68.9	74.4	74.4	71.3	57
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.045 U	0.044 U	0.041 U	0.044 U	0.058 U
Aroclor 1221	SW8082A	0.040 U	0.045 U	0.044 U	0.041 U	0.044 U	0.058 U
Aroclor 1232	SW8082A	0.040 U	0.045 U	0.044 U	0.041 U	0.044 U	0.058 U
Aroclor 1242	SW8082A	0.040 U	0.045 U	0.044 U	0.041 U	0.044 U	0.058 U
Aroclor 1248	SW8082A	0.040 U	0.045 U	0.044 U	0.041 U	0.044 U	0.058 U
Aroclor 1254	SW8082A	0.76	0.753 J	1.35	0.744 J	0.723	1.86 J
Aroclor 1260	SW8082A	2.8	2.68 J	4.2	2.77 J	2.6	5.27 J
Total PCB Aroclors (U = 0 max limit)		3.6	3.43 J	5.6	3.51 J	3.3	7.13 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-056-88-220916-00-01 9/16/2022	RB-W-057-11-221110-00-01 11/10/2022	RB-W-057-34-221110-00-01 11/10/2022	RB-W-057-95-221110-00-01 11/10/2022	RB-W-058-20-220916-00-01 9/16/2022	RB-W-058-43-230519-00-01 5/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	52.8	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.7	64	62.7	58.4	67.5	53.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	32	--	--	--
Percent passing (hydrometer 2)	D422	--	--	8	--	--	--
Percent passing (hydrometer 3)	D422	--	--	3.3	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	54.1	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	90.5	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	34.7	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	96.8	--	--	--
Sand	D422	--	--	65.3	--	--	--
Silt	D422	--	--	34.7	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.050 U	0.052 U	0.057 U	0.044 U	0.037 U
Aroclor 1221	SW8082A	0.045 U	0.050 U	0.052 U	0.057 U	0.044 U	0.037 U
Aroclor 1232	SW8082A	0.045 U	0.050 U	0.052 U	0.057 U	0.044 U	0.037 U
Aroclor 1242	SW8082A	0.045 U	0.050 U	0.052 U	0.057 U	0.044 U	0.037 U
Aroclor 1248	SW8082A	0.045 U	0.050 U	0.052 U	0.057 U	0.044 U	0.037 U
Aroclor 1254	SW8082A	0.663	0.918 J	0.64 J	0.728 J	28.4	0.037 U
Aroclor 1260	SW8082A	2.66	3.25 J	1.79 J	1.78 J	141	0.67
Total PCB Aroclors (U = 0 max limit)		3.32	4.17 J	2.4 J	2.51 J	169	0.67

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-058-43-BD0001 5/19/2023	RB-W-058-66-220916-00-01 9/16/2022	RB-W-058-94-230519-00-01 5/19/2023	RB-W-059-19-220916-00-01 9/16/2022	RB-W-059-47-220912-00-01 9/12/2022	RB-W-059-71-230519-00-01 5/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	74.8	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	56.1	54.7	39.5	62.1	61.7	54.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	24	--	--	--
Percent passing (hydrometer 2)	D422	--	--	8.8	--	--	--
Percent passing (hydrometer 3)	D422	--	--	6.8	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	57.1	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	84.3	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	44.1	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	100	--	--	--
Percent retained 30-micron sieve	D422	--	--	95.2	--	--	--
Sand	D422	--	--	55.9	--	--	--
Silt	D422	--	--	44.1	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.059 U	0.051 U	0.050 U	0.051 U	0.036 U
Aroclor 1221	SW8082A	0.036 U	0.059 U	0.051 U	0.050 U	0.051 U	0.036 U
Aroclor 1232	SW8082A	0.036 U	0.059 U	0.051 U	0.050 U	0.051 U	0.036 U
Aroclor 1242	SW8082A	0.036 U	0.059 U	0.051 U	0.050 U	0.051 U	0.036 U
Aroclor 1248	SW8082A	0.036 U	0.059 U	0.051 U	0.050 U	0.051 U	0.036 U
Aroclor 1254	SW8082A	0.036 U	0.744	0.051 U	0.928	0.289	0.036 U
Aroclor 1260	SW8082A	0.758	2.29	0.541	3.68	0.858	1.64
Total PCB Aroclors (U = 0 max limit)		0.758	3.03	0.541	4.61	1.15	1.64

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-059-93-220916-00-01 9/16/2022	RB-W-060-18-230519-00-01 5/19/2023	RB-W-060-44-220916-00-01 9/16/2022	RB-W-060-71-221114-00-01 11/14/2022	RB-W-060-98-220916-00-01 9/16/2022	RB-W-061-24-230519-00-01 5/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.3	53.2	67.9	56.2	67.3	52.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.038 U	0.045 U	0.057 U	0.048 U	0.035 U
Aroclor 1221	SW8082A	0.046 U	0.038 U	0.045 U	0.057 U	0.048 U	0.035 U
Aroclor 1232	SW8082A	0.046 U	0.038 U	0.045 U	0.057 U	0.048 U	0.035 U
Aroclor 1242	SW8082A	0.046 U	0.038 U	0.045 U	0.057 U	0.048 U	0.035 U
Aroclor 1248	SW8082A	0.046 U	0.038 U	0.045 U	0.057 U	0.048 U	0.035 U
Aroclor 1254	SW8082A	0.966	0.038 U	0.761	1.08 J	1.21	0.035 U
Aroclor 1260	SW8082A	6.37	0.807	3.52	3.08 J	4.38	0.458
Total PCB Aroclors (U = 0 max limit)		7.34	0.807	4.28	4.16 J	5.59	0.458

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-061-50-220916-00-01 9/16/2022	RB-W-061-76-220916-00-01 9/16/2022	RB-W-062-01-230519-00-01 5/19/2023	RB-W-062-28-220919-00-01 9/19/2022	RB-W-062-57-221114-00-01 11/14/2022	RB-W-062-84-220919-00-01 9/19/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.4	76.3	57.7	65.4	66.2	65.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.039 U	0.032 U	0.048 U	0.048 U	0.046 U
Aroclor 1221	SW8082A	0.047 U	0.039 U	0.032 U	0.048 U	0.048 U	0.046 U
Aroclor 1232	SW8082A	0.047 U	0.039 U	0.032 U	0.048 U	0.048 U	0.046 U
Aroclor 1242	SW8082A	0.047 U	0.039 U	0.032 U	0.048 U	0.048 U	0.046 U
Aroclor 1248	SW8082A	0.047 U	0.039 U	0.032 U	0.048 U	0.048 U	0.046 U
Aroclor 1254	SW8082A	1.05	1.94	0.032 U	1.04	1.35 J	1.43
Aroclor 1260	SW8082A	4.59	7.59	1.49	3.53	5.14 J	6.07
Total PCB Aroclors (U = 0 max limit)		5.64	9.53	1.49	4.57	6.49 J	7.5

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-063-07-221114-00-01 11/14/2022	RB-W-063-07-BD0001 11/14/2022	RB-W-063-32-220919-00-01 9/19/2022	RB-W-063-62-221114-00-01 11/14/2022	RB-W-063-88-220919-00-01 9/19/2022	RB-W-064-09-221114-00-01 11/14/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	50.7	46.2	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.5	65.4	67.6	70.2	68.5	69.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0.01	0	--	--
Percent passing (hydrometer 1)	D422	--	--	12	16	--	--
Percent passing (hydrometer 2)	D422	--	--	4	6.8	--	--
Percent passing (hydrometer 3)	D422	--	--	1	2.9	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	39.2	36.6	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	100	--	--
Percent passing 50-micron sieve	D422	--	--	91.5	80.8	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	20.9	25.7	--	--
Percent passing 8.0 micron	D422	--	--	100	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.9	100	--	--
Percent retained 30-micron sieve	D422	--	--	99.1	96.2	--	--
Sand	D422	--	--	79.1	74.4	--	--
Silt	D422	--	--	20.9	35.7	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.049 U	0.046 U	0.045 U	0.046 U	0.043 U	0.044 U
Aroclor 1221	SW8082A	0.049 U	0.046 U	0.045 U	0.046 U	0.043 U	0.044 U
Aroclor 1232	SW8082A	0.049 U	0.046 U	0.045 U	0.046 U	0.043 U	0.044 U
Aroclor 1242	SW8082A	0.049 U	0.046 U	0.045 U	0.046 U	0.043 U	0.044 U
Aroclor 1248	SW8082A	0.049 U	0.046 U	0.045 U	0.046 U	0.043 U	0.044 U
Aroclor 1254	SW8082A	0.995 J	0.629 J	0.765	1.04 J	0.851	1.33 J
Aroclor 1260	SW8082A	3.12 J	1.92 J	2.78	3.42 J	2.85	5.85 J
Total PCB Aroclors (U = 0 max limit)		4.12 J	2.55 J	3.55	4.46 J	3.7	7.18 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-064-32-220919-00-01 9/19/2022	RB-W-064-56-230519-00-01 5/19/2023	RB-W-064-76-220919-00-01 9/19/2022	RB-W-065-01-230519-00-01 5/19/2023	RB-W-065-19-220919-00-01 9/19/2022	RB-W-065-47-220919-00-01 9/19/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.9	58.2	65.1	59.2	66.7	65.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.032 U	0.050 U	0.031 U	0.049 U	0.046 U
Aroclor 1221	SW8082A	0.044 U	0.032 U	0.050 U	0.031 U	0.049 U	0.046 U
Aroclor 1232	SW8082A	0.044 U	0.032 U	0.050 U	0.031 U	0.049 U	0.046 U
Aroclor 1242	SW8082A	0.044 U	0.032 U	0.050 U	0.031 U	0.049 U	0.046 U
Aroclor 1248	SW8082A	0.044 U	0.032 U	0.050 U	0.031 U	0.049 U	0.046 U
Aroclor 1254	SW8082A	2.72	0.032 U	0.974	0.031 U	0.946	3.96
Aroclor 1260	SW8082A	10.1	0.596	2.91	0.031 U	2.87	14.7
Total PCB Aroclors (U = 0 max limit)		12.8	0.596	3.88	0.026 U	3.82	18.7

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-065-73-230519-00-01 5/19/2023	RB-W-066-02-230519-00-01 5/19/2023	RB-W-066-40-230519-00-01 5/19/2023	RB-W-066-80-220919-00-01 9/19/2022	RB-W-066-99-221114-00-01 11/14/2022	RB-W-067-25-220919-00-01 9/19/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62.1	59.8	56.2	76.2	74.8	72.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.029 U	0.033 U	0.034 U	0.043 U	0.040 U	0.045 U
Aroclor 1221	SW8082A	0.029 U	0.033 U	0.034 U	0.043 U	0.040 U	0.045 U
Aroclor 1232	SW8082A	0.029 U	0.033 U	0.034 U	0.043 U	0.040 U	0.045 U
Aroclor 1242	SW8082A	0.029 U	0.033 U	0.034 U	0.043 U	0.040 U	0.045 U
Aroclor 1248	SW8082A	0.029 U	0.033 U	0.034 U	0.043 U	0.040 U	0.045 U
Aroclor 1254	SW8082A	0.029 U	0.033 U	0.034 U	0.891	1.04 J	1.72
Aroclor 1260	SW8082A	0.695	0.336	0.877	3.6	4.48 J	7.3
Total PCB Aroclors (U = 0 max limit)		0.695	0.336	0.877	4.5	5.52 J	9

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-067-48-221114-00-01 11/14/2022	RB-W-067-73-220919-00-01 9/19/2022	RB-W-067-92-221114-00-01 11/14/2022	RB-W-068-16-220920-00-01 9/20/2022	RB-W-068-40-221114-00-01 11/14/2022	RB-W-068-63-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.4	76.1	86.2	68.7	77.3	78.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.041 U	0.038 U	0.043 U	0.039 U	0.041 U
Aroclor 1221	SW8082A	0.041 U	0.041 U	0.038 U	0.043 U	0.039 U	0.041 U
Aroclor 1232	SW8082A	0.041 U	0.041 U	0.038 U	0.043 U	0.039 U	0.041 U
Aroclor 1242	SW8082A	0.041 U	0.041 U	0.038 U	0.043 U	0.039 U	0.041 U
Aroclor 1248	SW8082A	0.041 U	0.041 U	0.038 U	0.043 U	0.039 U	0.041 U
Aroclor 1254	SW8082A	0.852 J	1.02	1.57 J	1.69	1.55 J	2.83 J
Aroclor 1260	SW8082A	3.69 J	4.02	8.9 J	7.5	6.44 J	10.6 J
Total PCB Aroclors (U = 0 max limit)		4.54 J	5.04	10 J	9.2	7.99 J	13.4 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-068-86-230519-00-01 5/19/2023	RB-W-069-15-220920-00-01 9/20/2022	RB-W-069-37-221114-00-01 11/14/2022	RB-W-069-63-220920-00-01 9/20/2022	RB-W-069-87-230519-00-01 5/19/2023	RB-W-070-13-230519-00-01 5/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	80.9	45.3	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	49.4	68.5	69.2	71.7	62.3	78.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	0.1	--	--	--	--
Percent passing (hydrometer 1)	D422	24	18	--	--	--	--
Percent passing (hydrometer 2)	D422	8.6	8	--	--	--	--
Percent passing (hydrometer 3)	D422	2.9	6	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	57.6	43.3	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	99.8	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	99.9	--	--	--	--
Percent passing 50-micron sieve	D422	87.2	79.5	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	44	27.9	--	--	--	--
Percent passing 8.0 micron	D422	100	99.9	--	--	--	--
Percent retained 16,000-micron sieve	D422	100	97.1	--	--	--	--
Percent retained 30-micron sieve	D422	95.6	95.9	--	--	--	--
Sand	D422	56	72.1	--	--	--	--
Silt	D422	44	27.9	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.045 U	0.046 U	0.044 U	0.031 U	0.023 U
Aroclor 1221	SW8082A	0.039 U	0.045 U	0.046 U	0.044 U	0.031 U	0.023 U
Aroclor 1232	SW8082A	0.039 U	0.045 U	0.046 U	0.044 U	0.031 U	0.023 U
Aroclor 1242	SW8082A	0.039 U	0.045 U	0.046 U	0.044 U	0.031 U	0.023 U
Aroclor 1248	SW8082A	0.039 U	0.045 U	0.046 U	0.044 U	0.031 U	0.023 U
Aroclor 1254	SW8082A	0.039 U	1.95 J	5.9 J	1.57 J	0.031 U	0.023 U
Aroclor 1260	SW8082A	0.505	7.37 J	22.4 J	5.7 J	0.561	11.4 J
Total PCB Aroclors (U = 0 max limit)		0.505	9.32 J	28 J	7.3 J	0.561	11.4 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-070-13-BD0001 5/19/2023	RB-W-070-34-220920-00-01 9/20/2022	RB-W-070-61-230519-00-01 5/19/2023	RB-W-070-84-230519-00-01 5/19/2023	RB-W-071-08-220920-00-01 9/20/2022	RB-W-071-08-BD0001 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	56.3	70.8	61.1	63.7	70.9	70.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.043 U	0.033 U	0.028 U	0.046 U	0.047 U
Aroclor 1221	SW8082A	0.033 U	0.043 U	0.033 U	0.028 U	0.046 U	0.047 U
Aroclor 1232	SW8082A	0.033 U	0.043 U	0.033 U	0.028 U	0.046 U	0.047 U
Aroclor 1242	SW8082A	0.033 U	0.043 U	0.033 U	0.028 U	0.046 U	0.047 U
Aroclor 1248	SW8082A	0.033 U	0.043 U	0.033 U	0.028 U	0.046 U	0.047 U
Aroclor 1254	SW8082A	0.033 U	1.02 J	0.033 U	0.028 U	1.09 J	0.809 J
Aroclor 1260	SW8082A	0.033 UJ	4.79 J	0.42	1.59	5.06 J	3.14 J
Total PCB Aroclors (U = 0 max limit)		0.027 UJ	5.81 J	0.42	1.59	6.15 J	3.95 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-071-30-221111-00-01 11/11/2022	RB-W-071-57-220920-00-01 9/20/2022	RB-W-071-82-221111-00-01 11/11/2022	RB-W-072-11-221111-00-01 11/11/2022	RB-W-072-34-230519-00-01 5/19/2023	RB-W-072-56-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	55.5	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	56.5	61.4	62.6	55.4	66.2	71.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	14	--	--	--
Percent passing (hydrometer 2)	D422	--	--	4	--	--	--
Percent passing (hydrometer 3)	D422	--	--	3.2	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	52	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	94.1	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	24.9	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	98	--	--	--
Sand	D422	--	--	75.1	--	--	--
Silt	D422	--	--	24.9	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.057 U	0.053 U	0.050 U	0.055 U	0.027 U	0.045 U
Aroclor 1221	SW8082A	0.057 U	0.053 U	0.050 U	0.055 U	0.027 U	0.045 U
Aroclor 1232	SW8082A	0.057 U	0.053 U	0.050 U	0.055 U	0.027 U	0.045 U
Aroclor 1242	SW8082A	0.057 U	0.053 U	0.050 U	0.055 U	0.027 U	0.045 U
Aroclor 1248	SW8082A	0.057 U	0.053 U	0.050 U	0.055 U	0.027 U	0.045 U
Aroclor 1254	SW8082A	1.27	0.64 J	0.669	0.675	0.027 U	0.702 J
Aroclor 1260	SW8082A	6.09	2.06 J	2.48	2.9	0.628	3.22 J
Total PCB Aroclors (U = 0 max limit)		7.36	2.7 J	3.15	3.6	0.628	3.92 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-072-80-230519-00-01 5/19/2023	RB-W-073-08-220920-00-01 9/20/2022	RB-W-073-32-230519-00-01 5/19/2023	RB-W-073-57-220920-00-01 9/20/2022	RB-W-073-80-221111-00-01 11/11/2022	RB-W-074-04-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60.6	65.4	63.2	69.5	63.6	62.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.031 U	0.048 U	0.032 U	0.045 U	0.051 U	0.050 U
Aroclor 1221	SW8082A	0.031 U	0.048 U	0.032 U	0.045 U	0.051 U	0.050 U
Aroclor 1232	SW8082A	0.031 U	0.048 U	0.032 U	0.045 U	0.051 U	0.050 U
Aroclor 1242	SW8082A	0.031 U	0.048 U	0.032 U	0.045 U	0.051 U	0.050 U
Aroclor 1248	SW8082A	0.031 U	0.048 U	0.032 U	0.045 U	0.051 U	0.050 U
Aroclor 1254	SW8082A	0.031 U	1.05 J	0.032 U	2.34 J	1.08 J	0.649 J
Aroclor 1260	SW8082A	0.646	4.17 J	0.567	9.06 J	6.17 J	3.23 J
Total PCB Aroclors (U = 0 max limit)		0.646	5.22 J	0.567	11.4 J	7.25 J	3.88 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-074-30-230523-00-01 5/23/2023	RB-W-074-58-220920-00-01 9/20/2022	RB-W-074-82-221111-00-01 11/11/2022	RB-W-075-07-220920-00-01 9/20/2022	RB-W-075-31-221111-00-01 11/11/2022	RB-W-075-62-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	74.9	--	--	--	--	40.5
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	55.6	66.6	69.5	70.1	70.9	70.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	0.03
Percent passing (hydrometer 1)	D422	18	--	--	--	--	15
Percent passing (hydrometer 2)	D422	5	--	--	--	--	4
Percent passing (hydrometer 3)	D422	1	--	--	--	--	2
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	52.5	--	--	--	--	49.4
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	99.9
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	100
Percent passing 50-micron sieve	D422	90.9	--	--	--	--	96.1
Percent passing 75-micron sieve (No. 200)	D422	28.9	--	--	--	--	29.9
Percent passing 8.0 micron	D422	100	--	--	--	--	99.9
Percent retained 16,000-micron sieve	D422	99.9	--	--	--	--	98.7
Percent retained 30-micron sieve	D422	97	--	--	--	--	97.5
Sand	D422	71.1	--	--	--	--	70.1
Silt	D422	28.9	--	--	--	--	29.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.045 U	0.042 U	0.042 U	0.042 U	0.046 U
Aroclor 1221	SW8082A	0.034 U	0.045 U	0.042 U	0.042 U	0.042 U	0.046 U
Aroclor 1232	SW8082A	0.034 U	0.045 U	0.042 U	0.042 U	0.042 U	0.046 U
Aroclor 1242	SW8082A	0.034 U	0.045 U	0.042 U	0.042 U	0.042 U	0.046 U
Aroclor 1248	SW8082A	0.034 U	0.045 U	0.042 U	0.042 U	0.042 U	0.046 U
Aroclor 1254	SW8082A	0.034 U	1.06 J	0.785	1.24 J	1.44	0.777 J
Aroclor 1260	SW8082A	0.783	4.98 J	4.12	4.94 J	7.46	2.96 J
Total PCB Aroclors (U = 0 max limit)		0.783	6.04 J	4.91	6.18 J	8.9	3.74 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-075-84-221111-00-01 11/11/2022	RB-W-076-18-220920-00-01 9/20/2022	RB-W-076-46-221111-00-01 11/11/2022	RB-W-076-70-220920-00-01 9/20/2022	RB-W-076-91-221111-00-01 11/11/2022	RB-W-077-13-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	58.6	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	58.4	65.8	64.5	69.4	59	68.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	14	--	--	--
Percent passing (hydrometer 2)	D422	--	--	4	--	--	--
Percent passing (hydrometer 3)	D422	--	--	1	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	50.7	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	92.5	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	27.4	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.5	--	--	--
Percent retained 30-micron sieve	D422	--	--	97.3	--	--	--
Sand	D422	--	--	72.6	--	--	--
Silt	D422	--	--	27.4	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.056 U	0.051 U	0.049 U	0.048 U	0.056 U	0.045 U
Aroclor 1221	SW8082A	0.056 U	0.051 U	0.049 U	0.048 U	0.056 U	0.045 U
Aroclor 1232	SW8082A	0.056 U	0.051 U	0.049 U	0.048 U	0.056 U	0.045 U
Aroclor 1242	SW8082A	0.056 U	0.051 U	0.049 U	0.048 U	0.056 U	0.045 U
Aroclor 1248	SW8082A	0.056 U	0.051 U	0.049 U	0.048 U	0.056 U	0.045 U
Aroclor 1254	SW8082A	0.687	0.622 J	0.781	1.17 J	0.876	1.7 J
Aroclor 1260	SW8082A	2.5	2.42 J	3.73	3.69 J	3.7	6.44 J
Total PCB Aroclors (U = 0 max limit)		3.2	3.04 J	4.51	4.86 J	4.6	8.1 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-077-35-220920-00-01 9/20/2022	RB-W-077-63-230519-00-01 5/19/2023	RB-W-077-86-230519-00-01 5/19/2023	RB-W-078-11-230519-00-01 5/19/2023	RB-W-078-34-230519-00-01 5/19/2023	RB-W-078-57-230519-00-01 5/19/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	56.9
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64.7	63.2	65.5	70.6	68.1	66.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	17
Percent passing (hydrometer 2)	D422	--	--	--	--	--	5.1
Percent passing (hydrometer 3)	D422	--	--	--	--	--	5.1
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	39.9
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	88.4
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	26.7
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.7
Percent retained 30-micron sieve	D422	--	--	--	--	--	98.3
Sand	D422	--	--	--	--	--	73.3
Silt	D422	--	--	--	--	--	26.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.031 U	0.029 U	0.026 U	0.026 U	0.029 U
Aroclor 1221	SW8082A	0.047 U	0.031 U	0.029 U	0.026 U	0.026 U	0.029 U
Aroclor 1232	SW8082A	0.047 U	0.031 U	0.029 U	0.026 U	0.026 U	0.029 U
Aroclor 1242	SW8082A	0.047 U	0.031 U	0.029 U	0.026 U	0.026 U	0.029 U
Aroclor 1248	SW8082A	0.047 U	0.031 U	0.029 U	0.026 U	0.026 U	0.029 U
Aroclor 1254	SW8082A	2.39 J	0.031 U	0.029 U	0.026 U	0.026 U	0.029 U
Aroclor 1260	SW8082A	7.77 J	0.751	1.6	0.855	1.31	1.72
Total PCB Aroclors (U = 0 max limit)		10.2 J	0.751	1.6	0.855	1.31	1.72

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-078-80-220920-00-01 9/20/2022	RB-W-079-03-230519-00-01 5/19/2023	RB-W-079-22-230519-00-01 5/19/2023	RB-W-079-41-221111-00-01 11/11/2022	RB-W-079-58-221111-00-01 11/11/2022	RB-W-079-75-221111-00-01 11/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64.7	69.1	68.5	82.6	85.9	81.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.027 U	0.028 U	0.040 U	0.038 U	0.039 U
Aroclor 1221	SW8082A	0.048 U	0.027 U	0.028 U	0.040 U	0.038 U	0.039 U
Aroclor 1232	SW8082A	0.048 U	0.027 U	0.028 U	0.040 U	0.038 U	0.039 U
Aroclor 1242	SW8082A	0.048 U	0.027 U	0.028 U	0.040 U	0.038 U	0.039 U
Aroclor 1248	SW8082A	0.048 U	0.027 U	0.028 U	0.040 U	0.038 U	0.039 U
Aroclor 1254	SW8082A	4.83 J	0.027 U	0.028 U	1.18	1.29	1.35 J
Aroclor 1260	SW8082A	32.8 J	0.933	1.09	6.64	8.37	6.68 J
Total PCB Aroclors (U = 0 max limit)		37.6 J	0.933	1.09	7.82	9.66	8.03 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-079-99-221111-00-01 11/11/2022	RB-W-080-18-221111-00-01 11/11/2022	RB-W-080-47-220921-00-01 9/21/2022	RB-W-080-70-220921-00-01 9/21/2022	RB-W-080-96-220921-00-01 9/21/2022	RB-W-081-14-220920-00-01 9/20/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	38.2	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.4	81.6	72.2	72.7	75.3	75.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0.16	--	--
Percent passing (hydrometer 1)	D422	--	--	--	22	--	--
Percent passing (hydrometer 2)	D422	--	--	--	8	--	--
Percent passing (hydrometer 3)	D422	--	--	--	6	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	46.2	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99.8	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	99.8	--	--
Percent passing 50-micron sieve	D422	--	--	--	82.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	34.9	--	--
Percent passing 8.0 micron	D422	--	--	--	99.8	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.7	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.2	--	--
Sand	D422	--	--	--	65	--	--
Silt	D422	--	--	--	34.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.039 U	0.042 U	0.045 U	0.043 U	0.041 U
Aroclor 1221	SW8082A	0.037 U	0.039 U	0.042 U	0.045 U	0.043 U	0.041 U
Aroclor 1232	SW8082A	0.037 U	0.039 U	0.042 U	0.045 U	0.043 U	0.041 U
Aroclor 1242	SW8082A	0.037 U	0.039 U	0.042 U	0.045 U	0.043 U	0.041 U
Aroclor 1248	SW8082A	0.037 U	0.039 U	0.042 U	0.045 U	0.043 U	0.041 U
Aroclor 1254	SW8082A	0.986 J	1.14 J	3.16	0.045 U	0.0248 J	0.0497 J
Aroclor 1260	SW8082A	5.32 J	5.83 J	11.9	0.0377 J	0.0491	0.19 J
Total PCB Aroclors (U = 0 max limit)		6.31 J	6.97 J	15.1	0.0377 J	0.0739 J	0.24 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-081-31-221111-00-01 11/11/2022	RB-W-081-52-230519-00-01 5/19/2023	RB-W-081-71-220921-00-01 9/21/2022	RB-W-081-93-221111-00-01 11/11/2022	RB-W-082-11-220921-00-01 9/21/2022	RB-W-082-34-221111-00-01 11/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	84.1	62.2	70.5	81.8	79.4	83.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.029 U	0.044 U	0.040 U	0.039 U	0.036 U
Aroclor 1221	SW8082A	0.039 U	0.029 U	0.044 U	0.040 U	0.039 U	0.036 U
Aroclor 1232	SW8082A	0.039 U	0.029 U	0.044 U	0.040 U	0.039 U	0.036 U
Aroclor 1242	SW8082A	0.039 U	0.029 U	0.044 U	0.040 U	0.039 U	0.036 U
Aroclor 1248	SW8082A	0.039 U	0.029 U	0.044 U	0.040 U	0.039 U	0.036 U
Aroclor 1254	SW8082A	1.89 J	0.029 U	1.37	0.871 J	0.039 U	1.18 J
Aroclor 1260	SW8082A	14.7 J	1.63	3.59	4.41 J	0.039 U	5.39 J
Total PCB Aroclors (U = 0 max limit)		16.6 J	1.63	4.96	5.28 J	0.035 U	6.57 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-082-50-220921-00-01 9/21/2022	RB-W-082-73-230519-00-01 5/19/2023	RB-W-082-95-220921-00-01 9/21/2022	RB-W-083-14-221111-00-01 11/11/2022	RB-W-083-40-221111-00-01 11/11/2022	RB-W-083-40-BD0001 11/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	18.7	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.2	60.5	71.2	83.8	85.4	83.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	14	--	--
Percent passing (hydrometer 2)	D422	--	--	--	6	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3.5	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	42.2	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	92.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	19.6	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	98	--	--
Sand	D422	--	--	--	80.5	--	--
Silt	D422	--	--	--	19.6	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.030 U	0.042 U	0.038 U	0.039 U	0.038 U
Aroclor 1221	SW8082A	0.046 U	0.030 U	0.042 U	0.038 U	0.039 U	0.038 U
Aroclor 1232	SW8082A	0.046 U	0.030 U	0.042 U	0.038 U	0.039 U	0.038 U
Aroclor 1242	SW8082A	0.046 U	0.030 U	0.042 U	0.038 U	0.039 U	0.038 U
Aroclor 1248	SW8082A	0.046 U	0.030 U	0.042 U	0.038 U	0.039 U	0.038 U
Aroclor 1254	SW8082A	2.11	0.030 U	1.22	3.11 J	0.834 J	0.864 J
Aroclor 1260	SW8082A	3.77	0.919	3.37	17.9 J	4.01 J	3.88 J
Total PCB Aroclors (U = 0 max limit)		5.88	0.919	4.59	21.0 J	4.84 J	4.74 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-083-69-221111-00-01 11/11/2022	RB-W-083-93-220921-00-01 9/21/2022	RB-W-083-93-BD0001 9/21/2022	RB-W-084-21-221111-00-01 11/11/2022	RB-W-084-49-220921-00-01 9/21/2022	RB-W-084-91-221111-00-01 11/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	80.3	77.2	70.6	82.5	70.8	73.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.042 U	0.044 U	0.038 U	0.042 U	0.039 U
Aroclor 1221	SW8082A	0.039 U	0.042 U	0.044 U	0.038 U	0.042 U	0.039 U
Aroclor 1232	SW8082A	0.039 U	0.042 U	0.044 U	0.038 U	0.042 U	0.039 U
Aroclor 1242	SW8082A	0.039 U	0.042 U	0.044 U	0.038 U	0.042 U	0.039 U
Aroclor 1248	SW8082A	0.039 U	0.042 U	0.044 U	0.038 U	0.042 U	0.039 U
Aroclor 1254	SW8082A	0.731 J	1.6	2.49	1.32 J	1.7	0.429 J
Aroclor 1260	SW8082A	3.06 J	4.92	6.95	5.52 J	5.11	1.6 J
Total PCB Aroclors (U = 0 max limit)		3.79 J	6.5	9.44	6.84 J	6.8	2.0 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-085-33-220921-00-01 9/21/2022	RB-W-085-66-221110-00-01 11/10/2022	RB-W-086-29-220921-00-01 9/21/2022	RB-W-086-64-221110-00-01 11/10/2022	RB-W-086-88-220921-00-01 9/21/2022	RB-W-087-12-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	2	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	19.6	99.7	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.8	56.2	86.1	75.6	84.4	62.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	50	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0.81	0	--	--	--	--
Percent passing (hydrometer 1)	D422	6.6	20	--	--	--	--
Percent passing (hydrometer 2)	D422	2	5	--	--	--	--
Percent passing (hydrometer 3)	D422	0.95	3.3	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	15.4	40.8	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	94.9	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	99.2	100	--	--	--	--
Percent passing 50-micron sieve	D422	38.5	73.7	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	9.9	22.5	--	--	--	--
Percent passing 8.0 micron	D422	96.2	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	87.2	98.9	--	--	--	--
Percent retained 30-micron sieve	D422	76.3	89.6	--	--	--	--
Sand	D422	89.3	77.5	--	--	--	--
Silt	D422	9.9	22.5	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.059 U	0.039 U	0.043 U	0.039 U	0.050 U
Aroclor 1221	SW8082A	0.037 U	0.059 U	0.039 U	0.043 U	0.039 U	0.050 U
Aroclor 1232	SW8082A	0.037 U	0.059 U	0.039 U	0.043 U	0.039 U	0.050 U
Aroclor 1242	SW8082A	0.037 U	0.059 U	0.039 U	0.043 U	0.039 U	0.050 U
Aroclor 1248	SW8082A	0.037 U	0.059 U	0.039 U	0.043 U	0.039 U	0.050 U
Aroclor 1254	SW8082A	0.541	1.92 J	0.329	0.666 J	0.35	1.32 J
Aroclor 1260	SW8082A	1.33	7.28 J	0.973	1.49 J	0.983	4.8 J
Total PCB Aroclors (U = 0 max limit)		1.87	9.20 J	1.3	2.16 J	1.3	6.1 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-087-46-220921-00-01 9/21/2022	RB-W-087-75-221110-00-01 11/10/2022	RB-W-088-02-220921-00-01 9/21/2022	RB-W-088-100-221110-00-01 11/10/2022	RB-W-088-24-220921-00-01 9/21/2022	RB-W-088-52-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.5	63.7	69.1	63.1	75.2	62.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.048 U	0.046 U	0.050 U	0.041 U	0.049 U
Aroclor 1221	SW8082A	0.042 U	0.048 U	0.046 U	0.050 U	0.041 U	0.049 U
Aroclor 1232	SW8082A	0.042 U	0.048 U	0.046 U	0.050 U	0.041 U	0.049 U
Aroclor 1242	SW8082A	0.042 U	0.048 U	0.046 U	0.050 U	0.041 U	0.049 U
Aroclor 1248	SW8082A	0.042 U	0.048 U	0.046 U	0.050 U	0.041 U	0.049 U
Aroclor 1254	SW8082A	0.709	0.974 J	0.551	0.533 J	0.741	0.473 J
Aroclor 1260	SW8082A	2.16	2.38 J	1.47	1.51 J	3.51	1.65 J
Total PCB Aroclors (U = 0 max limit)		2.87	3.35 J	2.02	2.04 J	4.25	2.12 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-088-77-220921-00-01 9/21/2022	RB-W-089-24-220921-00-01 9/21/2022	RB-W-089-41-221110-00-01 11/10/2022	RB-W-089-41-BD0001 11/10/2022	RB-W-089-67-220921-00-01 9/21/2022	RB-W-089-90-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	20.3
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	63.6	66.5	75.5	79.6	63.5	81.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	12
Percent passing (hydrometer 2)	D422	--	--	--	--	--	5
Percent passing (hydrometer 3)	D422	--	--	--	--	--	1
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	46.8
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	93.6
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	18.4
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.7
Percent retained 30-micron sieve	D422	--	--	--	--	--	97.4
Sand	D422	--	--	--	--	--	81.6
Silt	D422	--	--	--	--	--	18.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.050 U	0.046 U	0.043 U	0.038 U	0.051 U	0.038 U
Aroclor 1221	SW8082A	0.050 U	0.046 U	0.043 U	0.038 U	0.051 U	0.038 U
Aroclor 1232	SW8082A	0.050 U	0.046 U	0.043 U	0.038 U	0.051 U	0.038 U
Aroclor 1242	SW8082A	0.050 U	0.046 U	0.043 U	0.038 U	0.051 U	0.038 U
Aroclor 1248	SW8082A	0.050 U	0.046 U	0.043 U	0.038 U	0.051 U	0.038 U
Aroclor 1254	SW8082A	1.01	0.831	0.94 J	1.06 J	1.06	1.29 J
Aroclor 1260	SW8082A	3.45	3.3	3.15 J	4.41 J	3.79	5.26 J
Total PCB Aroclors (U = 0 max limit)		4.46	4.1	4.1 J	5.47 J	4.85	6.55 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-090-08-221110-00-01 11/10/2022	RB-W-090-25-221110-00-01 11/10/2022	RB-W-090-41-221110-00-01 11/10/2022	RB-W-090-61-221110-00-01 11/10/2022	RB-W-090-79-220921-00-01 9/21/2022	RB-W-091-03-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	42.8	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	82.6	84.7	77.8	77.6	71.1	80.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	22	--
Percent passing (hydrometer 2)	D422	--	--	--	--	9	--
Percent passing (hydrometer 3)	D422	--	--	--	--	5	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	50.8	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	95.2	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	37.6	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.5	--
Percent retained 30-micron sieve	D422	--	--	--	--	98.5	--
Sand	D422	--	--	--	--	62.4	--
Silt	D422	--	--	--	--	37.6	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.037 U	0.039 U	0.041 U	0.042 U	0.038 U
Aroclor 1221	SW8082A	0.038 U	0.037 U	0.039 U	0.041 U	0.042 U	0.038 U
Aroclor 1232	SW8082A	0.038 U	0.037 U	0.039 U	0.041 U	0.042 U	0.038 U
Aroclor 1242	SW8082A	0.038 U	0.037 U	0.039 U	0.041 U	0.042 U	0.038 U
Aroclor 1248	SW8082A	0.038 U	0.037 U	0.039 U	0.041 U	0.042 U	0.038 U
Aroclor 1254	SW8082A	3.03 J	1.75 J	8.59 J	1.03 J	0.285	1.22 J
Aroclor 1260	SW8082A	11.5 J	7.26 J	14.2 J	4.6 J	1.01	5.44 J
Total PCB Aroclors (U = 0 max limit)		14.5 J	9.01 J	22.8 J	5.6 J	1.3	6.66 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-091-21-221110-00-01 11/10/2022	RB-W-091-44-221110-00-01 11/10/2022	RB-W-091-68-221110-00-01 11/10/2022	RB-W-091-94-220921-00-01 9/21/2022	RB-W-092-35-221110-00-01 11/10/2022	RB-W-092-61-220921-00-01 9/21/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.4	84.2	81.3	76.8	80.6	79.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.039 U	0.040 U	0.042 U	0.041 U	0.038 U
Aroclor 1221	SW8082A	0.047 U	0.039 U	0.040 U	0.042 U	0.041 U	0.038 U
Aroclor 1232	SW8082A	0.047 U	0.039 U	0.040 U	0.042 U	0.041 U	0.038 U
Aroclor 1242	SW8082A	0.047 U	0.039 U	0.040 U	0.042 U	0.041 U	0.038 U
Aroclor 1248	SW8082A	0.047 U	0.039 U	0.040 U	0.042 U	0.041 U	0.038 U
Aroclor 1254	SW8082A	0.918 J	0.76 J	0.928 J	7.93	2.36 J	8.49
Aroclor 1260	SW8082A	3.72 J	2.91 J	3.86 J	48.1	9.88 J	44.6
Total PCB Aroclors (U = 0 max limit)		4.64 J	3.7 J	4.79 J	56	12.2 J	53.1

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-092-84-221110-00-01 11/10/2022	RB-W-093-08-220921-00-01 9/21/2022	RB-W-093-40-221110-00-01 11/10/2022	RB-W-093-68-221110-00-01 11/10/2022	RB-W-093-94-220921-00-01 9/21/2022	RB-W-094-18-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.2	78.9	78.4	79.4	70.9	72.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.040 U	0.041 U	0.041 U	0.043 U	0.046 U
Aroclor 1221	SW8082A	0.040 U	0.040 U	0.041 U	0.041 U	0.043 U	0.046 U
Aroclor 1232	SW8082A	0.040 U	0.040 U	0.041 U	0.041 U	0.043 U	0.046 U
Aroclor 1242	SW8082A	0.040 U	0.040 U	0.041 U	0.041 U	0.043 U	0.046 U
Aroclor 1248	SW8082A	0.040 U	0.040 U	0.041 U	0.041 U	0.043 U	0.046 U
Aroclor 1254	SW8082A	2.25 J	1.14	1.13 J	0.973 J	1.49	0.962 J
Aroclor 1260	SW8082A	21 J	5.2	4.11 J	3.44 J	6.61	3.34 J
Total PCB Aroclors (U = 0 max limit)		23 J	6.3	5.24 J	4.41 J	8.1	4.30 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-094-50-220921-00-01 9/21/2022	RB-W-094-78-221110-00-01 11/10/2022	RB-W-095-04-220921-00-01 9/21/2022	RB-W-095-38-221110-00-01 11/10/2022	RB-W-095-66-220921-00-01 9/21/2022	RB-W-095-94-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	38.7	--	45.9	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.2	71.1	64.9	65.8	64.6	69.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	0	--	--
Percent passing (hydrometer 1)	D422	--	10	--	8.4	--	--
Percent passing (hydrometer 2)	D422	--	4	--	4.6	--	--
Percent passing (hydrometer 3)	D422	--	3	--	2.8	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	21.3	--	22	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	100	--	--
Percent passing 50-micron sieve	D422	--	77	--	62.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	12.2	--	13.9	--	--
Percent passing 8.0 micron	D422	--	100	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	100	--	99.8	--	--
Percent retained 30-micron sieve	D422	--	97.7	--	95.1	--	--
Sand	D422	--	87.8	--	86.1	--	--
Silt	D422	--	12.2	--	13.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.046 U	0.050 U	0.049 U	0.051 U	0.046 U
Aroclor 1221	SW8082A	0.043 U	0.046 U	0.050 U	0.049 U	0.051 U	0.046 U
Aroclor 1232	SW8082A	0.043 U	0.046 U	0.050 U	0.049 U	0.051 U	0.046 U
Aroclor 1242	SW8082A	0.043 U	0.046 U	0.050 U	0.049 U	0.051 U	0.046 U
Aroclor 1248	SW8082A	0.043 U	0.046 U	0.050 U	0.049 U	0.051 U	0.046 U
Aroclor 1254	SW8082A	0.953	1.24	1.22	1.55	1.07	0.699
Aroclor 1260	SW8082A	3.9	5.59	5.35	5.48	4.11	2.54
Total PCB Aroclors (U = 0 max limit)		4.9	6.83	6.57	7.03	5.18	3.24

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-096-100-220923-00-01 9/23/2022	RB-W-096-18-220921-00-01 9/21/2022	RB-W-096-42-221110-00-01 11/10/2022	RB-W-096-62-220923-00-01 9/23/2022	RB-W-096-83-221110-00-01 11/10/2022	RB-W-097-100-220926-00-01 9/23/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.9	75.3	72.1	73.3	71.2	77
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.042 U	0.044 U	0.045 U	0.044 U	0.042 U
Aroclor 1221	SW8082A	0.043 U	0.042 U	0.044 U	0.045 U	0.044 U	0.042 U
Aroclor 1232	SW8082A	0.043 U	0.042 U	0.044 U	0.045 U	0.044 U	0.042 U
Aroclor 1242	SW8082A	0.043 U	0.042 U	0.044 U	0.045 U	0.044 U	0.042 U
Aroclor 1248	SW8082A	0.043 U	0.042 U	0.044 U	0.045 U	0.044 U	0.042 U
Aroclor 1254	SW8082A	1.13	0.342 J	0.963	0.678	0.956	12.9
Aroclor 1260	SW8082A	4.24	1.18	4.6	2.75	3.44	14.9
Total PCB Aroclors (U = 0 max limit)		5.37	1.52 J	5.6	3.43	4.4	27.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-097-19-221110-00-01 11/10/2022	RB-W-097-35-220923-00-01 9/23/2022	RB-W-097-51-221110-00-01 11/10/2022	RB-W-097-68-220923-00-01 9/23/2022	RB-W-097-82-221110-00-01 11/10/2022	RB-W-098-17-230523-00-01 5/23/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69	71	77.9	73.8	83	75.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.043 U	0.041 U	0.044 U	0.037 U	0.027 U
Aroclor 1221	SW8082A	0.048 U	0.043 U	0.041 U	0.044 U	0.037 U	0.027 U
Aroclor 1232	SW8082A	0.048 U	0.043 U	0.041 U	0.044 U	0.037 U	0.027 U
Aroclor 1242	SW8082A	0.048 U	0.043 U	0.041 U	0.044 U	0.037 U	0.027 U
Aroclor 1248	SW8082A	0.048 U	0.043 U	0.041 U	0.044 U	0.037 U	0.027 U
Aroclor 1254	SW8082A	2.07	10.3	2.31	11	0.788	0.027 U
Aroclor 1260	SW8082A	8.07	25.4	8.92	15.2	3.28	1.59
Total PCB Aroclors (U = 0 max limit)		10.1	35.7	11.2	26	4.07	1.59

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-098-33-221110-00-01 11/10/2022	RB-W-098-54-221110-00-01 11/10/2022	RB-W-098-89-220923-00-01 9/23/2022	RB-W-099-65-230523-00-01 5/23/2023	RB-W-099-95-220927-00-01 9/27/2022	RB-W-100-23-220927-00-01 9/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78.9	78.2	72	78.2	66.9	86.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.038 U	0.045 U	0.025 U	0.049 U	0.037 U
Aroclor 1221	SW8082A	0.039 U	0.038 U	0.045 U	0.025 U	0.049 U	0.037 U
Aroclor 1232	SW8082A	0.039 U	0.038 U	0.045 U	0.025 U	0.049 U	0.037 U
Aroclor 1242	SW8082A	0.039 U	0.038 U	0.045 U	0.025 U	0.049 U	0.037 U
Aroclor 1248	SW8082A	0.039 U	0.038 U	0.045 U	0.025 U	0.049 U	0.037 U
Aroclor 1254	SW8082A	1.32	1.82	22	0.025 U	2.15	1.03
Aroclor 1260	SW8082A	5.12	7.72	93.9	1.49	9.14	5.03
Total PCB Aroclors (U = 0 max limit)		6.44	9.54	120	1.49	11.3	6.06

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-100-45-220927-00-01 9/27/2022	RB-W-100-70-230523-00-01 5/23/2023	RB-W-100-99-220927-00-01 9/27/2022	RB-W-101-29-230523-00-01 5/23/2023	RB-W-101-61-220927-00-01 9/27/2022	RB-W-101-91-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	23.5	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	65	79.7	77.8	81.2	72.3	72.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	46.9	--	--	--	--	--
Percent passing (hydrometer 1)	D422	2	--	--	--	--	--
Percent passing (hydrometer 2)	D422	0.4	--	--	--	--	--
Percent passing (hydrometer 3)	D422	0.4	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	68.4	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	88.9	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	4.5	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	40.3	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	53.1	--	--	--	--	--
Percent passing 50-micron sieve	D422	12.4	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	2.9	--	--	--	--	--
Percent passing 8.0 micron	D422	41.9	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	34.3	--	--	--	--	--
Percent retained 30-micron sieve	D422	25.3	--	--	--	--	--
Sand	D422	50.3	--	--	--	--	--
Silt	D422	2.9	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.025 U	0.038 U	0.024 U	0.042 U	0.043 U
Aroclor 1221	SW8082A	0.051 U	0.025 U	0.038 U	0.024 U	0.042 U	0.043 U
Aroclor 1232	SW8082A	0.051 U	0.025 U	0.038 U	0.024 U	0.042 U	0.043 U
Aroclor 1242	SW8082A	0.051 U	0.025 U	0.038 U	0.024 U	0.042 U	0.043 U
Aroclor 1248	SW8082A	0.051 U	0.025 U	0.038 U	0.024 U	0.042 U	0.043 U
Aroclor 1254	SW8082A	0.525	0.025 U	1.16	0.024 U	1.28	0.361
Aroclor 1260	SW8082A	1.7	1.3	6.48	1.52	7.17	0.962
Total PCB Aroclors (U = 0 max limit)		2.2	1.3	7.64	1.52	8.45	1.32

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-102-19-220923-00-01 9/23/2022	RB-W-102-40-221110-00-01 11/10/2022	RB-W-102-61-220923-00-01 9/23/2022	RB-W-102-81-221110-00-01 11/10/2022	RB-W-102-99-220923-00-01 9/23/2022	RB-W-103-12-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	38.0 J	--	--	--	--	33.7
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62.6	65	59.8	40.8	72.9	74.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	0
Percent passing (hydrometer 1)	D422	10	--	--	--	--	14
Percent passing (hydrometer 2)	D422	5	--	--	--	--	4.9
Percent passing (hydrometer 3)	D422	2.9 J	--	--	--	--	2.9
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	27.7	--	--	--	--	36.7
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	100
Percent passing 50-micron sieve	D422	84	--	--	--	--	84.7
Percent passing 75-micron sieve (No. 200)	D422	16	--	--	--	--	25.4
Percent passing 8.0 micron	D422	100	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	100	--	--	--	--	99.9
Percent retained 30-micron sieve	D422	98.7	--	--	--	--	95.6
Sand	D422	84	--	--	--	--	74.6
Silt	D422	16	--	--	--	--	25.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.049 U	0.047 U	0.053 U	0.078 U	0.045 U	0.044 U
Aroclor 1221	SW8082A	0.049 U	0.047 U	0.053 U	0.078 U	0.045 U	0.044 U
Aroclor 1232	SW8082A	0.049 U	0.047 U	0.053 U	0.078 U	0.045 U	0.044 U
Aroclor 1242	SW8082A	0.049 U	0.047 U	0.053 U	0.078 U	0.045 U	0.044 U
Aroclor 1248	SW8082A	0.049 U	0.047 U	0.053 U	0.078 U	0.045 U	0.044 U
Aroclor 1254	SW8082A	1.45	1.48	1.16	4.93	17.9	1.07
Aroclor 1260	SW8082A	4.69	4.46	3.43	14.3	72.4	4.92
Total PCB Aroclors (U = 0 max limit)		6.14	5.94	4.59	19.2	90.3	5.99

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-103-21-220923-00-01 9/23/2022	RB-W-103-37-221110-00-01 11/10/2022	RB-W-103-60-221110-00-01 11/10/2022	RB-W-103-84-221110-00-01 11/10/2022	RB-W-104-10-221110-00-01 11/10/2022	RB-W-104-34-220923-00-01 9/23/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	2	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	22.1	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.2	71.8	78.1	82.8	76.9	71.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	69	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	21	--	--
Percent passing (hydrometer 2)	D422	--	--	--	5	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	35.5	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	71.6	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	25.8	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	97	--	--
Sand	D422	--	--	--	74.2	--	--
Silt	D422	--	--	--	25.8	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.045 U	0.041 U	0.038 U	0.042 U	0.044 U
Aroclor 1221	SW8082A	0.045 U	0.045 U	0.041 U	0.038 U	0.042 U	0.044 U
Aroclor 1232	SW8082A	0.045 U	0.045 U	0.041 U	0.038 U	0.042 U	0.044 U
Aroclor 1242	SW8082A	0.045 U	0.045 U	0.041 U	0.038 U	0.042 U	0.044 U
Aroclor 1248	SW8082A	0.045 U	0.045 U	0.041 U	0.038 U	0.042 U	0.044 U
Aroclor 1254	SW8082A	4.07	0.045 U	0.761	1.11	1.6	1.7
Aroclor 1260	SW8082A	5.75	0.045 U	3.01	4.26	7.26	3.05
Total PCB Aroclors (U = 0 max limit)		9.82	0.040 U	3.77	5.37	8.9	4.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-104-54-220923-00-01 9/23/2022	RB-W-104-76-221110-00-01 11/10/2022	RB-W-104-76-BD0001 11/10/2022	RB-W-104-99-221110-00-01 11/10/2022	RB-W-105-24-221110-00-01 11/10/2022	RB-W-105-86-221110-00-01 11/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.1	82	77.3	--	80.1	78.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.038 U	0.042 U	0.038 U	0.039 U	0.040 U
Aroclor 1221	SW8082A	0.043 U	0.038 U	0.042 U	0.038 U	0.039 U	0.040 U
Aroclor 1232	SW8082A	0.043 U	0.038 U	0.042 U	0.038 U	0.039 U	0.040 U
Aroclor 1242	SW8082A	0.043 U	0.038 U	0.042 U	0.038 U	0.039 U	0.040 U
Aroclor 1248	SW8082A	0.043 U	0.038 U	0.042 U	0.038 U	0.039 U	0.040 U
Aroclor 1254	SW8082A	2.47	1.02 J	1.94 J	0.759 J	1.25 J	1.62 J
Aroclor 1260	SW8082A	7.13	4.01 J	10.7 J	2.86 J	4.9 J	5.95 J
Total PCB Aroclors (U = 0 max limit)		9.6	5.03 J	12.6 J	3.62 J	6.2 J	7.57 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-106-26-221110-00-01 11/10/2022	RB-W-106-60-220923-00-01 9/23/2022	RB-W-107-22-220923-00-01 9/23/2022	RB-W-107-50-221110-00-01 11/10/2022	RB-W-107-75-220926-00-01 9/26/2022	RB-W-108-01-221109-00-01 11/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.3	76.1	71.9	58.1	82.5	77.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.041 U	0.043 U	0.053 U	0.039 U	0.038 U
Aroclor 1221	SW8082A	0.041 U	0.041 U	0.043 U	0.053 U	0.039 U	0.038 U
Aroclor 1232	SW8082A	0.041 U	0.041 U	0.043 U	0.053 U	0.039 U	0.038 U
Aroclor 1242	SW8082A	0.041 U	0.041 U	0.043 U	0.053 U	0.039 U	0.038 U
Aroclor 1248	SW8082A	0.041 U	0.041 U	0.043 U	0.053 U	0.039 U	0.038 U
Aroclor 1254	SW8082A	1.83 J	1.53	1.28	1.26	0.684 J	1.09 J
Aroclor 1260	SW8082A	6.92 J	5.25	5.5	4.08	3.8	5.94 J
Total PCB Aroclors (U = 0 max limit)		8.75 J	6.78	6.8	5.34	4.5 J	7.03 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-108-38-220926-00-01 9/26/2022	RB-W-108-89-221109-00-01 11/9/2022	RB-W-109-09-220926-00-01 9/26/2022	RB-W-109-34-221109-00-01 11/9/2022	RB-W-109-61-220926-00-01 9/26/2022	RB-W-109-91-221109-00-01 11/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	23.7
Moisture, percent	E160.3M	--	--	--	--	20.2	--
Total solids	SM2540G	71.9	75.9	53.2	81.2	79.8	80.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0.08	0
Percent passing (hydrometer 1)	D422	--	--	--	--	13	18
Percent passing (hydrometer 2)	D422	--	--	--	--	6	6
Percent passing (hydrometer 3)	D422	--	--	--	--	3.1 J	3.2
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	28.6	46.8
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	99.7	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	99.9	100
Percent passing 50-micron sieve	D422	--	--	--	--	84.4	88.5
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	14.5	29.7
Percent passing 8.0 micron	D422	--	--	--	--	99.8	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.3	99.9
Percent retained 30-micron sieve	D422	--	--	--	--	97.5	97
Sand	D422	--	--	--	--	85.4	70.3
Silt	D422	--	--	--	--	14.5	29.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.040 U	0.063 U	0.038 U	0.041 U	0.040 U
Aroclor 1221	SW8082A	0.045 U	0.040 U	0.063 U	0.038 U	0.041 U	0.040 U
Aroclor 1232	SW8082A	0.045 U	0.040 U	0.063 U	0.038 U	0.041 U	0.040 U
Aroclor 1242	SW8082A	0.045 U	0.040 U	0.063 U	0.038 U	0.041 U	0.040 U
Aroclor 1248	SW8082A	0.045 U	0.040 U	0.063 U	0.038 U	0.041 U	0.040 U
Aroclor 1254	SW8082A	1.59	1.51 J	1.68	0.94 J	1.32 J	1.59 J
Aroclor 1260	SW8082A	6.56	7.05 J	6.62	4.57 J	11.8	7.09 J
Total PCB Aroclors (U = 0 max limit)		8.15	8.56 J	8.3	5.5 J	13.1 J	8.68 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-110-10-221109-00-01 11/9/2022	RB-W-110-30-221109-00-01 11/9/2022	RB-W-110-46-221109-00-01 11/9/2022	RB-W-110-66-221109-00-01 11/9/2022	RB-W-110-88-221109-00-01 11/9/2022	RB-W-111-05-221109-00-01 11/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.4	60.7	65.8	66.2	68.5	70.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.053 U	0.047 U	0.047 U	0.044 U	0.044 U
Aroclor 1221	SW8082A	0.048 U	0.053 U	0.047 U	0.047 U	0.044 U	0.044 U
Aroclor 1232	SW8082A	0.048 U	0.053 U	0.047 U	0.047 U	0.044 U	0.044 U
Aroclor 1242	SW8082A	0.048 U	0.053 U	0.047 U	0.047 U	0.044 U	0.044 U
Aroclor 1248	SW8082A	0.048 U	0.053 U	0.047 U	0.047 U	0.044 U	0.044 U
Aroclor 1254	SW8082A	4.48 J	4.32 J	5.44 J	2.15 J	2.67 J	2.03 J
Aroclor 1260	SW8082A	15.9 J	17.2 J	29.7 J	9.45 J	10.5 J	7.54 J
Total PCB Aroclors (U = 0 max limit)		20.4 J	21.5 J	35.1 J	11.6 J	13.2 J	9.57 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-111-28-221109-00-01 11/9/2022	RB-W-111-52-221109-00-01 11/9/2022	RB-W-111-80-220926-00-01 9/26/2022	RB-W-112-10-220926-00-01 9/26/2022	RB-W-112-39-221109-00-01 11/9/2022	RB-W-112-68-221109-00-01 11/9/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	75.5	73.2	75	68.8	75.2	70.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.044 U	0.041 U	0.047 U	0.044 U	0.045 U
Aroclor 1221	SW8082A	0.042 U	0.044 U	0.041 U	0.047 U	0.044 U	0.045 U
Aroclor 1232	SW8082A	0.042 U	0.044 U	0.041 U	0.047 U	0.044 U	0.045 U
Aroclor 1242	SW8082A	0.042 U	0.044 U	0.041 U	0.047 U	0.044 U	0.045 U
Aroclor 1248	SW8082A	0.042 U	0.044 U	0.041 U	0.047 U	0.044 U	0.045 U
Aroclor 1254	SW8082A	1.26 J	1.93 J	0.937	0.882	2.91 J	2.63 J
Aroclor 1260	SW8082A	4.93 J	7.24 J	2.77	2.9	12.6 J	10.2 J
Total PCB Aroclors (U = 0 max limit)		6.19 J	9.17 J	3.71	3.8	15.5 J	12.8 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-112-98-221109-00-01 11/9/2022	RB-W-113-17-221109-00-01 11/9/2022	RB-W-113-35-221109-00-01 11/9/2022	RB-W-113-58-221109-00-01 11/9/2022	RB-W-113-80-220926-00-01 9/26/2022	RB-W-113-80-BD0001 9/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.4	66.7	72.7	80.6	72	73.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.048 U	0.045 U	0.040 U	0.043 U	0.042 U
Aroclor 1221	SW8082A	0.045 U	0.048 U	0.045 U	0.040 U	0.043 U	0.042 U
Aroclor 1232	SW8082A	0.045 U	0.048 U	0.045 U	0.040 U	0.043 U	0.042 U
Aroclor 1242	SW8082A	0.045 U	0.048 U	0.045 U	0.040 U	0.043 U	0.042 U
Aroclor 1248	SW8082A	0.045 U	0.048 U	0.045 U	0.040 U	0.043 U	0.042 U
Aroclor 1254	SW8082A	2.99 J	1.91 J	1.56 J	2 J	3.58 J	1.38 J
Aroclor 1260	SW8082A	11.5 J	7.12 J	6.12 J	3.57 J	4.65	5.65
Total PCB Aroclors (U = 0 max limit)		14.5 J	9.03 J	7.68 J	5.6 J	8.23 J	7.03 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-114-06-221109-00-01 11/9/2022	RB-W-114-33-220926-00-01 9/26/2022	RB-W-114-55-221109-00-01 11/9/2022	RB-W-114-79-220926-00-01 9/26/2022	RB-W-114-94-221109-00-01 11/9/2022	RB-W-115-14-220926-00-01 9/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	36.2	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.8	63.4	72.4	61.7	62.3	62.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	30	--	--	--	--	--
Percent passing (hydrometer 2)	D422	11	--	--	--	--	--
Percent passing (hydrometer 3)	D422	5.6	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	58.5	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	87.9	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	44.1	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	99.9	--	--	--	--	--
Percent retained 30-micron sieve	D422	97	--	--	--	--	--
Sand	D422	55.9	--	--	--	--	--
Silt	D422	44.1	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.047 U	0.043 U	0.052 U	0.052 U	0.048 U
Aroclor 1221	SW8082A	0.046 U	0.047 U	0.043 U	0.052 U	0.052 U	0.048 U
Aroclor 1232	SW8082A	0.046 U	0.047 U	0.043 U	0.052 U	0.052 U	0.048 U
Aroclor 1242	SW8082A	0.046 U	0.047 U	0.043 U	0.052 U	0.052 U	0.048 U
Aroclor 1248	SW8082A	0.046 U	0.047 U	0.043 U	0.052 U	0.052 U	0.048 U
Aroclor 1254	SW8082A	5.04 J	11.5 J	1.9 J	1.18	1.03 J	1.18
Aroclor 1260	SW8082A	22.9 J	42.3	6.85 J	4.01	3.35 J	3.88
Total PCB Aroclors (U = 0 max limit)		27.9 J	53.8 J	8.8 J	5.19	4.38 J	5.06

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-115-33-221109-00-01 11/9/2022	RB-W-115-33-BD0001 11/9/2022	RB-W-115-42-220926-00-01 9/26/2022	RB-W-115-57-221108-00-01 11/8/2022	RB-W-115-72-220926-00-01 9/26/2022	RB-W-115-94-221108-00-01 11/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62.5	62.7	68.4	66.9	72.5	77
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.049 U	0.049 U	0.046 U	0.044 U	0.040 U
Aroclor 1221	SW8082A	0.047 U	0.049 U	0.049 U	0.046 U	0.044 U	0.040 U
Aroclor 1232	SW8082A	0.047 U	0.049 U	0.049 U	0.046 U	0.044 U	0.040 U
Aroclor 1242	SW8082A	0.047 U	0.049 U	0.049 U	0.046 U	0.044 U	0.040 U
Aroclor 1248	SW8082A	0.047 U	0.049 U	0.049 U	0.046 U	0.044 U	0.040 U
Aroclor 1254	SW8082A	1.47 J	0.876 J	1.48	2.26 J	3.44	0.705 J
Aroclor 1260	SW8082A	5.02 J	2.99 J	6.2	7.49 J	13.8	3.34 J
Total PCB Aroclors (U = 0 max limit)		6.49 J	3.87 J	7.7	9.75 J	17.2	4.05 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-116-21-220926-00-01 9/26/2022	RB-W-116-47-221108-00-01 11/8/2022	RB-W-116-73-220926-00-01 9/26/2022	RB-W-116-95-221108-00-01 11/8/2022	RB-W-117-21-220926-00-01 9/26/2022	RB-W-117-48-230511-00-01 5/11/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	24.7	--	--	--	--	--
Total solids	SM2540G	75.3	75.7	69.5	67.2	80.5	72.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	19.3	--	--	--	--	--
Percent passing (hydrometer 1)	D422	11	--	--	--	--	--
Percent passing (hydrometer 2)	D422	6	--	--	--	--	--
Percent passing (hydrometer 3)	D422	4.0 J	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	85.2	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	85.2	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	32.3	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	76.8	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	80.7	--	--	--	--	--
Percent passing 50-micron sieve	D422	63.9	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	21.9	--	--	--	--	--
Percent passing 8.0 micron	D422	77.8	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	75.3	--	--	--	--	--
Percent retained 30-micron sieve	D422	72.3	--	--	--	--	--
Sand	D422	58.8	--	--	--	--	--
Silt	D422	21.9	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.040 U	0.046 U	0.048 U	0.041 U	0.024 U
Aroclor 1221	SW8082A	0.039 U	0.040 U	0.046 U	0.048 U	0.041 U	0.024 U
Aroclor 1232	SW8082A	0.039 U	0.040 U	0.046 U	0.048 U	0.041 U	0.024 U
Aroclor 1242	SW8082A	0.039 U	0.040 U	0.046 U	0.048 U	0.041 U	0.024 U
Aroclor 1248	SW8082A	0.039 U	0.040 U	0.046 U	0.048 U	0.041 U	0.024 U
Aroclor 1254	SW8082A	0.997	2.63 J	1.01	0.823	0.918	0.024 U
Aroclor 1260	SW8082A	4.22	14.8 J	4.12	3.3	3.61	2.1
Total PCB Aroclors (U = 0 max limit)		5.22	17.4 J	5.13	4.1	4.53	2.1

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-117-78-220926-00-01 9/26/2022	RB-W-118-06-221108-00-01 11/8/2022	RB-W-118-30-220926-00-01 9/26/2022	RB-W-118-46-221108-00-01 11/8/2022	RB-W-118-69-220926-00-01 9/26/2022	RB-W-118-94-230511-00-01 5/11/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	64.9	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62	62	68.6	65.7	66.7	62.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	24	--	--
Percent passing (hydrometer 2)	D422	--	--	--	10	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3.2	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	40.1	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	78.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	27	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99	--	--
Percent retained 30-micron sieve	D422	--	--	--	95.1	--	--
Sand	D422	--	--	--	73.1	--	--
Silt	D422	--	--	--	27	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.050 U	0.051 U	0.046 U	0.045 U	0.044 U	0.031 U
Aroclor 1221	SW8082A	0.050 U	0.051 U	0.046 U	0.045 U	0.044 U	0.031 U
Aroclor 1232	SW8082A	0.050 U	0.051 U	0.046 U	0.045 U	0.044 U	0.031 U
Aroclor 1242	SW8082A	0.050 U	0.051 U	0.046 U	0.045 U	0.044 U	0.031 U
Aroclor 1248	SW8082A	0.050 U	0.051 U	0.046 U	0.045 U	0.044 U	0.031 U
Aroclor 1254	SW8082A	1.56	1.2	1.04	1.26	0.66	0.031 U
Aroclor 1260	SW8082A	5.92	4.16	2.88	3.94	2.05	19.2
Total PCB Aroclors (U = 0 max limit)		7.48	5.4	3.92	5.2	2.7	19.2

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-119-08-220926-00-01 9/26/2022	RB-W-119-20-230511-00-01 5/11/2023	RB-W-119-20-BD0001 5/11/2023	RB-W-119-38-220926-00-01 9/26/2022	RB-W-119-59-220926-00-01 9/26/2022	RB-W-119-81-220926-00-01 9/26/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	45.6	--	--
Total solids	SM2540G	70.9	62.6	61.4	54.4	64.2	76.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0.02	--	--
Percent passing (hydrometer 1)	D422	--	--	--	23	--	--
Percent passing (hydrometer 2)	D422	--	--	--	10	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3.2 J	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	65	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99.9	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	99	--	--
Percent passing 50-micron sieve	D422	--	--	--	92	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	48.7	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.9	--	--
Percent retained 30-micron sieve	D422	--	--	--	97.6	--	--
Sand	D422	--	--	--	51.3	--	--
Silt	D422	--	--	--	48.7	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.032 U	0.031 U	0.058 U	0.050 U	0.042 U
Aroclor 1221	SW8082A	0.044 U	0.032 U	0.031 U	0.058 U	0.050 U	0.042 U
Aroclor 1232	SW8082A	0.044 U	0.032 U	0.031 U	0.058 U	0.050 U	0.042 U
Aroclor 1242	SW8082A	0.044 U	0.032 U	0.031 U	0.058 U	0.050 U	0.042 U
Aroclor 1248	SW8082A	0.044 U	0.032 U	0.031 U	0.058 U	0.050 U	0.042 U
Aroclor 1254	SW8082A	1.88	0.032 U	0.031 U	1.24	0.662	2.03
Aroclor 1260	SW8082A	6.83	4.69 J	9.83 J	2.98	2.01	10.5
Total PCB Aroclors (U = 0 max limit)		8.71	4.69 J	9.83 J	4.22	2.67	12.5

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-120-01-230511-00-01 5/11/2023	RB-W-120-24-220926-00-01 9/26/2022	RB-W-120-24-230511-00-01 5/11/2023	RB-W-120-46-230511-00-01 5/11/2023	RB-W-120-68-230511-00-01 5/11/2023	RB-W-121-03-221108-00-01 11/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	7.3	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	63.8	67.4	71.4	63.4	77.7	70.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	20	--	--	--
Percent passing (hydrometer 2)	D422	--	--	8	--	--	--
Percent passing (hydrometer 3)	D422	--	--	3.1	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	44.9	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	79.1	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	31.6	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	100	--	--	--
Percent retained 30-micron sieve	D422	--	--	96	--	--	--
Sand	D422	--	--	68.4	--	--	--
Silt	D422	--	--	31.6	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.030 U	0.045 U	0.025 U	-- R	0.023 U	0.047 U
Aroclor 1221	SW8082A	0.030 U	0.045 U	0.025 U	-- R	0.023 U	0.047 U
Aroclor 1232	SW8082A	0.030 U	0.045 U	0.025 U	-- R	0.023 U	0.047 U
Aroclor 1242	SW8082A	0.030 U	0.045 U	0.025 U	-- R	0.023 U	0.047 U
Aroclor 1248	SW8082A	0.030 U	0.045 U	0.025 U	-- R	0.023 U	0.047 U
Aroclor 1254	SW8082A	0.030 U	0.295	0.025 U	-- R	0.023 U	3.42
Aroclor 1260	SW8082A	17.4	0.396	13.6	9.68	3.82	17.4
Total PCB Aroclors (U = 0 max limit)		17.4	0.691	13.6	9.68	3.82	20.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-121-43-220927-00-01 9/27/2022	RB-W-121-69-221108-00-01 11/8/2022	RB-W-121-97-220927-00-01 9/27/2022	RB-W-122-42-221108-00-01 11/8/2022	RB-W-122-73-220927-00-01 9/27/2022	RB-W-122-98-221108-00-01 11/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	1.8	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	33.2	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.5	68	69.4	67.2	64.8	71.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	46	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	12	--	--	--	--	--
Percent passing (hydrometer 2)	D422	4	--	--	--	--	--
Percent passing (hydrometer 3)	D422	2.8	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	29.3	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	81.4	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	19.3	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	99.7	--	--	--	--	--
Percent retained 30-micron sieve	D422	97.8	--	--	--	--	--
Sand	D422	80.7	--	--	--	--	--
Silt	D422	19.3	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.047 U	0.047 U	0.048 U	0.045 U	0.044 U
Aroclor 1221	SW8082A	0.045 U	0.047 U	0.047 U	0.048 U	0.045 U	0.044 U
Aroclor 1232	SW8082A	0.045 U	0.047 U	0.047 U	0.048 U	0.045 U	0.044 U
Aroclor 1242	SW8082A	0.045 U	0.047 U	0.047 U	0.048 U	0.045 U	0.044 U
Aroclor 1248	SW8082A	0.045 U	0.047 U	0.047 U	0.048 U	0.045 U	0.044 U
Aroclor 1254	SW8082A	1.63	2.19	1.28	1.48	1.71	1.57
Aroclor 1260	SW8082A	8.93	7.47	4.94	5.13	6.96	4.45
Total PCB Aroclors (U = 0 max limit)		10.6	9.66	6.22	6.61	8.67	6.02

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-123-27-220927-00-01 9/27/2022	RB-W-123-57-221108-00-01 11/8/2022	RB-W-123-78-220927-00-01 9/27/2022	RB-W-123-92-221108-00-01 11/8/2022	RB-W-124-14-220927-00-01 9/27/2022	RB-W-124-25-221108-00-01 11/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	43.4	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.5	72.4	61	70.8	71.3	67
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	18	--	--
Percent passing (hydrometer 2)	D422	--	--	--	4	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3.1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	38.9	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	86	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	27	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.9	--	--
Percent retained 30-micron sieve	D422	--	--	--	98.2	--	--
Sand	D422	--	--	--	73	--	--
Silt	D422	--	--	--	27	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.044 U	0.054 U	0.046 U	0.045 U	0.045 U
Aroclor 1221	SW8082A	0.041 U	0.044 U	0.054 U	0.046 U	0.045 U	0.045 U
Aroclor 1232	SW8082A	0.041 U	0.044 U	0.054 U	0.046 U	0.045 U	0.045 U
Aroclor 1242	SW8082A	0.041 U	0.044 U	0.054 U	0.046 U	0.045 U	0.045 U
Aroclor 1248	SW8082A	0.041 U	0.044 U	0.054 U	0.046 U	0.045 U	0.045 U
Aroclor 1254	SW8082A	1.46	1.22	1.47	2.14	0.045 U	3.04 J
Aroclor 1260	SW8082A	6.37	4.63	5.55	6.52	0.0354 J	10.6 J
Total PCB Aroclors (U = 0 max limit)		7.83	5.85	7.02	8.66	0.0354 J	13.6 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-124-42-220927-00-01 9/27/2022	RB-W-124-65-221108-00-01 11/8/2022	RB-W-124-83-221108-00-01 11/8/2022	RB-W-125-04-221108-00-01 11/8/2022	RB-W-125-21-220927-00-01 9/27/2022	RB-W-125-21-BD0001 9/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71	72.8	72	78.1	74.9	61
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.045 U	0.045 U	0.040 U	0.043 U	0.054 U
Aroclor 1221	SW8082A	0.046 U	0.045 U	0.045 U	0.040 U	0.043 U	0.054 U
Aroclor 1232	SW8082A	0.046 U	0.045 U	0.045 U	0.040 U	0.043 U	0.054 U
Aroclor 1242	SW8082A	0.046 U	0.045 U	0.045 U	0.040 U	0.043 U	0.054 U
Aroclor 1248	SW8082A	0.046 UJ	0.045 U	0.045 U	0.040 U	0.043 U	0.054 U
Aroclor 1254	SW8082A	0.226 J	1.25	2.19	1.37	1.2	1.36
Aroclor 1260	SW8082A	0.444 J	4.25	7.28	4.2	7.56	5.51
Total PCB Aroclors (U = 0 max limit)		0.670 J	5.5	9.47	5.6	8.8	6.87

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-125-46-221108-00-01 11/8/2022	RB-W-125-71-220927-00-01 9/27/2022	RB-W-125-96-221108-00-01 11/8/2022	RB-W-126-19-220927-00-01 9/27/2022	RB-W-126-53-221108-00-01 11/8/2022	RB-W-126-79-220927-00-01 9/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	38.7	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.3	66.5	59.1	64.2	68.2	57.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	16	--	--	--	--
Percent passing (hydrometer 2)	D422	--	6	--	--	--	--
Percent passing (hydrometer 3)	D422	--	5	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	39.3	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	89.7	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	23.8	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.5	--	--	--	--
Percent retained 30-micron sieve	D422	--	98	--	--	--	--
Sand	D422	--	76.2	--	--	--	--
Silt	D422	--	23.8	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.049 U	0.056 U	0.052 U	0.045 U	0.056 U
Aroclor 1221	SW8082A	0.042 U	0.049 U	0.056 U	0.052 U	0.045 U	0.056 U
Aroclor 1232	SW8082A	0.042 U	0.049 U	0.056 U	0.052 U	0.045 U	0.056 U
Aroclor 1242	SW8082A	0.042 U	0.049 U	0.056 U	0.052 U	0.045 U	0.056 U
Aroclor 1248	SW8082A	0.042 U	0.049 U	0.056 U	0.052 U	0.045 U	0.056 U
Aroclor 1254	SW8082A	0.991	1.21	2.06	1.04	1.69	0.863
Aroclor 1260	SW8082A	3.84	5.43	5.42	3.89	5.21	3.17
Total PCB Aroclors (U = 0 max limit)		4.83	6.64	7.48	4.93	6.9	4.03

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-127-12-221108-00-01 11/8/2022	RB-W-127-30-220927-00-01 9/27/2022	RB-W-127-46-221108-00-01 11/8/2022	RB-W-127-59-220927-00-01 9/27/2022	RB-W-127-93-221108-00-01 11/8/2022	RB-W-127-93-BD0001 11/8/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	46.1	64.2	64.7	56.6	67.9	62.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.066 U	0.051 U	0.050 U	0.056 U	0.045 U	0.051 U
Aroclor 1221	SW8082A	0.066 U	0.051 U	0.050 U	0.056 U	0.045 U	0.051 U
Aroclor 1232	SW8082A	0.066 U	0.051 U	0.050 U	0.056 U	0.045 U	0.051 U
Aroclor 1242	SW8082A	0.066 U	0.051 U	0.050 U	0.056 U	0.045 U	0.051 U
Aroclor 1248	SW8082A	0.066 U	0.051 U	0.050 U	0.056 U	0.045 U	0.051 U
Aroclor 1254	SW8082A	5.1	0.821	1.85	1.35	1.23 J	3.9 J
Aroclor 1260	SW8082A	17.1	2.92	6.45	5.21	4.26 J	13.6 J
Total PCB Aroclors (U = 0 max limit)		22	3.74	8.3	6.56	5.49 J	18 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-128-09-220927-00-01 9/27/2022	RB-W-128-32-221108-00-01 11/8/2022	RB-W-128-57-220927-00-01 9/27/2022	RB-W-129-06-221108-00-01 11/8/2022	RB-W-129-29-220927-00-01 9/27/2022	RB-W-129-53-230511-00-01 5/11/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	1.5	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	74.7	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.5	72.1	60.4	55.4	69.5	65.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	62	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	19	--	--
Percent passing (hydrometer 2)	D422	--	--	--	6	--	--
Percent passing (hydrometer 3)	D422	--	--	--	0	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	52.6	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	86.7	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	35.9	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.9	--	--
Percent retained 30-micron sieve	D422	--	--	--	95.1	--	--
Sand	D422	--	--	--	64.1	--	--
Silt	D422	--	--	--	35.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.041 U	0.054 U	0.060 U	0.044 U	0.026 U
Aroclor 1221	SW8082A	0.041 U	0.041 U	0.054 U	0.060 U	0.044 U	0.026 U
Aroclor 1232	SW8082A	0.041 U	0.041 U	0.054 U	0.060 U	0.044 U	0.026 U
Aroclor 1242	SW8082A	0.041 U	0.041 U	0.054 U	0.060 U	0.044 U	0.026 U
Aroclor 1248	SW8082A	0.041 U	0.041 U	0.054 U	0.060 U	0.044 U	0.026 U
Aroclor 1254	SW8082A	1.78	4.18 J	1.45	2.84 J	0.825	0.026 U
Aroclor 1260	SW8082A	7.47	16.1 J	8.61	8.45 J	3.94	9.97
Total PCB Aroclors (U = 0 max limit)		9.25	20.3 J	10.1	11.3 J	4.77	9.97

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-129-77-220927-00-01 9/27/2022	RB-W-130-01-230511-00-01 5/11/2023	RB-W-130-24-220927-00-01 9/27/2022	RB-W-130-24-BD0001 9/27/2022	RB-W-130-48-221107-00-01 11/7/2022	RB-W-130-76-220927-00-01 9/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	35.3	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.4	68.9	67.9	65.4	74.1	52
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	16	--
Percent passing (hydrometer 2)	D422	--	--	--	--	6	--
Percent passing (hydrometer 3)	D422	--	--	--	--	4	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	55.4	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	96.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	38.2	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.9	--
Percent retained 30-micron sieve	D422	--	--	--	--	99.3	--
Sand	D422	--	--	--	--	61.8	--
Silt	D422	--	--	--	--	38.2	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.026 U	0.046 U	0.047 U	0.042 U	0.063 U
Aroclor 1221	SW8082A	0.044 U	0.026 U	0.046 U	0.047 U	0.042 U	0.063 U
Aroclor 1232	SW8082A	0.044 U	0.026 U	0.046 U	0.047 U	0.042 U	0.063 U
Aroclor 1242	SW8082A	0.044 U	0.026 U	0.046 U	0.047 U	0.042 U	0.063 U
Aroclor 1248	SW8082A	0.044 U	0.026 U	0.046 U	0.047 U	0.042 U	0.063 U
Aroclor 1254	SW8082A	0.044 U	0.026 U	1.71	1.4	0.746 J	0.528
Aroclor 1260	SW8082A	0.0409 J	0.445	6.94	6.59	2.53 J	1.22
Total PCB Aroclors (U = 0 max limit)		0.0409 J	0.445	8.65	8	3.28 J	1.75

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-131-01-221107-00-01 11/7/2022	RB-W-131-25-220927-00-01 9/27/2022	RB-W-131-52-221107-00-01 11/7/2022	RB-W-131-76-220927-00-01 9/27/2022	RB-W-132-03-221107-00-01 11/7/2022	RB-W-132-31-220927-00-01 9/27/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	39.5	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.6	69.3	63.3	66.5	62.8	63.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	30	--	--	--	--
Percent passing (hydrometer 2)	D422	--	12	--	--	--	--
Percent passing (hydrometer 3)	D422	--	7	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	59	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	95.3	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	45.8	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.9	--	--	--	--
Percent retained 30-micron sieve	D422	--	98.8	--	--	--	--
Sand	D422	--	54.2	--	--	--	--
Silt	D422	--	45.8	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.047 U	0.049 U	0.047 U	0.050 U	0.052 U
Aroclor 1221	SW8082A	0.047 U	0.047 U	0.049 U	0.047 U	0.050 U	0.052 U
Aroclor 1232	SW8082A	0.047 U	0.047 U	0.049 U	0.047 U	0.050 U	0.052 U
Aroclor 1242	SW8082A	0.047 U	0.047 U	0.049 U	0.047 U	0.050 U	0.052 U
Aroclor 1248	SW8082A	0.047 U	0.047 U	0.049 U	0.047 U	0.050 U	0.052 U
Aroclor 1254	SW8082A	1.31 J	1.12	5.58 J	6.05	12.4 J	1.13
Aroclor 1260	SW8082A	5.07 J	2.19	22.2 J	34.6	49.7 J	5.99
Total PCB Aroclors (U = 0 max limit)		6.38 J	3.31	27.8 J	40.7	62.1 J	7.12

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-132-51-221107-00-01 11/7/2022	RB-W-132-76-220927-00-01 9/27/2022	RB-W-133-03-221107-00-01 11/7/2022	RB-W-133-32-220927-00-01 9/27/2022	RB-W-133-59-221107-00-01 11/7/2022	RB-W-133-87-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.9	69.5	67.1	66.6	67.1	67.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.046 U	0.044 U	0.046 U	0.049 U	0.048 U
Aroclor 1221	SW8082A	0.046 U	0.046 U	0.044 U	0.046 U	0.049 U	0.048 U
Aroclor 1232	SW8082A	0.046 U	0.046 U	0.044 U	0.046 U	0.049 U	0.048 U
Aroclor 1242	SW8082A	0.046 U	0.046 U	0.044 U	0.046 U	0.049 U	0.048 U
Aroclor 1248	SW8082A	0.046 U	0.046 U	0.044 U	0.046 U	0.049 U	0.048 U
Aroclor 1254	SW8082A	1.24 J	1.22	1.66 J	0.717	0.604 J	1.08
Aroclor 1260	SW8082A	6.57 J	5.89	7.69 J	2.79	2.95 J	4.15
Total PCB Aroclors (U = 0 max limit)		7.81 J	7.11	9.35 J	3.51	3.55 J	5.23

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-134-15-221107-00-01 11/7/2022	RB-W-134-48-220928-00-01 9/28/2022	RB-W-134-48-BD0001 9/28/2022	RB-W-134-73-221107-00-01 11/7/2022	RB-W-134-99-220928-00-01 9/28/2022	RB-W-135-28-221107-00-01 11/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.6	76.4	72.4	67.4	61.6	79.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.040 U	0.044 U	0.046 U	0.049 U	0.041 U
Aroclor 1221	SW8082A	0.045 U	0.040 U	0.044 U	0.046 U	0.049 U	0.041 U
Aroclor 1232	SW8082A	0.045 U	0.040 U	0.044 U	0.046 U	0.049 U	0.041 U
Aroclor 1242	SW8082A	0.045 U	0.040 U	0.044 U	0.046 U	0.049 U	0.041 U
Aroclor 1248	SW8082A	0.045 U	0.040 U	0.044 U	0.046 U	0.049 U	0.041 U
Aroclor 1254	SW8082A	0.827 J	1.19	1.45	1.01 J	5.17	0.666 J
Aroclor 1260	SW8082A	5.29 J	5.28	6.32	4.58 J	7.3	3.17 J
Total PCB Aroclors (U = 0 max limit)		6.12 J	6.47	7.77	5.59 J	12	3.84 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-135-57-220928-00-01 9/28/2022	RB-W-135-96-221107-00-01 11/7/2022	RB-W-136-27-220928-00-01 9/28/2022	RB-W-136-57-221107-00-01 11/7/2022	RB-W-136-74-220928-00-01 9/28/2022	RB-W-136-89-221107-00-01 11/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	55.3	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	63.5	77.6	74.7	70.7	66.4	56.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0.18	--	--	--	--	--
Percent passing (hydrometer 1)	D422	18	--	--	--	--	--
Percent passing (hydrometer 2)	D422	7	--	--	--	--	--
Percent passing (hydrometer 3)	D422	4	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	33.8	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	99	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	99.8	--	--	--	--	--
Percent passing 50-micron sieve	D422	76.7	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	24.1	--	--	--	--	--
Percent passing 8.0 micron	D422	99.2	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	98.3	--	--	--	--	--
Percent retained 30-micron sieve	D422	94.4	--	--	--	--	--
Sand	D422	75.7	--	--	--	--	--
Silt	D422	24.1	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.039 U	0.041 U	0.047 U	0.049 U	0.054 U
Aroclor 1221	SW8082A	0.051 U	0.039 U	0.041 U	0.047 U	0.049 U	0.054 U
Aroclor 1232	SW8082A	0.051 U	0.039 U	0.041 U	0.047 U	0.049 U	0.054 U
Aroclor 1242	SW8082A	0.051 U	0.039 U	0.041 U	0.047 U	0.049 U	0.054 U
Aroclor 1248	SW8082A	0.051 U	0.039 U	0.041 U	0.047 U	0.049 U	0.054 U
Aroclor 1254	SW8082A	1.96	0.674 J	1.24	1.09 J	0.868	0.997 J
Aroclor 1260	SW8082A	6.01	3.65 J	5.38	4.67 J	5.96	3.87 J
Total PCB Aroclors (U = 0 max limit)		7.97	4.32 J	6.62	5.76 J	6.83	4.87 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-137-05-220928-00-01 9/28/2022	RB-W-137-13-221107-00-01 11/7/2022	RB-W-137-27-221107-00-01 11/7/2022	RB-W-137-39-221107-00-01 11/7/2022	RB-W-137-50-220928-00-01 9/28/2022	RB-W-137-67-221107-00-01 11/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	64.1	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	74.6	68.2	71.1	67.4	69.8	69.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	15	--	--	--	--
Percent passing (hydrometer 2)	D422	--	5	--	--	--	--
Percent passing (hydrometer 3)	D422	--	3.3	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	45.5	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	90.1	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	28.9	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.9	--	--	--	--
Percent retained 30-micron sieve	D422	--	97.5	--	--	--	--
Sand	D422	--	71.1	--	--	--	--
Silt	D422	--	28.9	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.045 U	0.045 U	0.045 U	0.046 U	0.043 U
Aroclor 1221	SW8082A	0.043 U	0.045 U	0.045 U	0.045 U	0.046 U	0.043 U
Aroclor 1232	SW8082A	0.043 U	0.045 U	0.045 U	0.045 U	0.046 U	0.043 U
Aroclor 1242	SW8082A	0.043 U	0.045 U	0.045 U	0.045 U	0.046 U	0.043 U
Aroclor 1248	SW8082A	0.043 U	0.045 U	0.045 U	0.045 U	0.046 U	0.043 U
Aroclor 1254	SW8082A	0.849	1.3 J	1.3	2.08 J	1.01	2.97 J
Aroclor 1260	SW8082A	5.25	5.95 J	5.71	8.51	4.11	17.9 J
Total PCB Aroclors (U = 0 max limit)		6.1	7.3 J	7	10.6 J	5.12	20.9 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-137-80-221107-00-01 11/7/2022	RB-W-137-96-221107-00-01 11/7/2022	RB-W-138-15-221107-00-01 11/7/2022	RB-W-138-37-221107-00-01 11/7/2022	RB-W-138-54-230511-00-01 5/11/2023	RB-W-138-80-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	79.6	79.8	79.2	73.7	66.6	65.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.040 U	0.040 U	0.040 U	0.030 U	0.049 U
Aroclor 1221	SW8082A	0.038 U	0.040 U	0.040 U	0.040 U	0.030 U	0.049 U
Aroclor 1232	SW8082A	0.038 U	0.040 U	0.040 U	0.040 U	0.030 U	0.049 U
Aroclor 1242	SW8082A	0.038 U	0.040 U	0.040 U	0.040 U	0.030 U	0.049 U
Aroclor 1248	SW8082A	0.038 U	0.040 U	0.040 U	0.040 U	0.030 U	0.049 U
Aroclor 1254	SW8082A	1 J	0.936	1.05	1.42	0.030 U	0.0428 J
Aroclor 1260	SW8082A	4.15	4.39	5.18	6	4.57 J	0.0856
Total PCB Aroclors (U = 0 max limit)		5.2 J	5.33	6.23	7.4	4.57 J	0.128 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-139-00-221107-00-01 11/7/2022	RB-W-139-23-220928-00-01 9/28/2022	RB-W-139-49-221107-00-01 11/7/2022	RB-W-139-74-220928-00-01 9/28/2022	RB-W-139-96-221107-00-01 11/7/2022	RB-W-139-96-BD0001 11/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	1.7	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	39.3	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.1	68.9	65.7	71.2	66.8	68.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	69	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	12	--	--
Percent passing (hydrometer 2)	D422	--	--	--	4	--	--
Percent passing (hydrometer 3)	D422	--	--	--	2	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	88.8	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	98.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	76.6	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.2	--	--
Sand	D422	--	--	--	23.4	--	--
Silt	D422	--	--	--	76.6	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.047 U	0.046 U	0.043 U	0.046 U	0.046 U
Aroclor 1221	SW8082A	0.042 U	0.047 U	0.046 U	0.043 U	0.046 U	0.046 U
Aroclor 1232	SW8082A	0.042 U	0.047 U	0.046 U	0.043 U	0.046 U	0.046 U
Aroclor 1242	SW8082A	0.042 U	0.047 U	0.046 U	0.043 U	0.046 U	0.046 U
Aroclor 1248	SW8082A	0.042 U	0.047 U	0.046 U	0.043 U	0.046 U	0.046 U
Aroclor 1254	SW8082A	1.5 J	0.615	4.06 J	0.259	2.39	2.64
Aroclor 1260	SW8082A	7.2	2.6	15 J	0.8	6.78	7.71
Total PCB Aroclors (U = 0 max limit)		8.7 J	3.2	19 J	1.1	9.17	10.4

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-140-19-220928-00-01 9/28/2022	RB-W-140-50-221107-00-01 11/7/2022	RB-W-140-86-220928-00-01 9/28/2022	RB-W-141-100-221104-00-01 11/4/2022	RB-W-141-27-221104-00-01 11/4/2022	RB-W-141-59-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	60.1	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.9	65.7	83.2	68.9	74.3	81.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	41	--	--	--	--
Percent passing (hydrometer 2)	D422	--	16	--	--	--	--
Percent passing (hydrometer 3)	D422	--	5.7 U	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	78.4	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	94	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	63.8	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.9	--	--	--	--
Percent retained 30-micron sieve	D422	--	97.6	--	--	--	--
Sand	D422	--	36.2	--	--	--	--
Silt	D422	--	63.8	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.046 U	0.037 U	0.045 UJ	0.043 UJ	0.040 U
Aroclor 1221	SW8082A	0.047 U	0.046 U	0.037 U	0.045 UJ	0.043 UJ	0.040 U
Aroclor 1232	SW8082A	0.047 U	0.046 U	0.037 U	0.045 UJ	0.043 UJ	0.040 U
Aroclor 1242	SW8082A	0.047 U	0.046 U	0.037 U	0.045 UJ	0.043 UJ	0.040 U
Aroclor 1248	SW8082A	0.047 U	0.046 U	0.037 U	0.045 UJ	0.043 UJ	0.040 U
Aroclor 1254	SW8082A	0.0806	1.66	2.98	0.899 J	1.38 J	1.68
Aroclor 1260	SW8082A	0.241	2.96	8.22	5.48 J	7.44 J	7.42
Total PCB Aroclors (U = 0 max limit)		0.322	4.62	11.2	6.38 J	8.82 J	9.1

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-142-38-220928-00-01 9/28/2022	RB-W-142-47-221104-00-01 11/4/2022	RB-W-142-62-220928-00-01 9/28/2022	RB-W-142-74-221104-00-01 11/4/2022	RB-W-142-93-220928-00-01 9/28/2022	RB-W-143-05-221104-00-01 11/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	75.6	70.7	80.9	80.3	61.3	67.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.042 UJ	0.037 U	0.039 UJ	0.054 U	0.045 UJ
Aroclor 1221	SW8082A	0.040 U	0.042 UJ	0.037 U	0.039 UJ	0.054 U	0.045 UJ
Aroclor 1232	SW8082A	0.040 U	0.042 UJ	0.037 U	0.039 UJ	0.054 U	0.045 UJ
Aroclor 1242	SW8082A	0.040 U	0.042 UJ	0.037 U	0.039 UJ	0.054 U	0.045 UJ
Aroclor 1248	SW8082A	0.040 U	0.042 UJ	0.037 U	0.039 UJ	0.054 U	0.045 UJ
Aroclor 1254	SW8082A	2.36	1.35 J	1.03	0.513 J	0.954	1.88 J
Aroclor 1260	SW8082A	9.79	6.92 J	4.17	4.32 J	3.73	12.2 J
Total PCB Aroclors (U = 0 max limit)		12.2	8.27 J	5.2	4.83 J	4.68	14.1 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-143-20-220928-00-01 9/28/2022	RB-W-143-27-221104-00-01 11/4/2022	RB-W-143-45-221104-00-01 11/4/2022	RB-W-143-58-221104-00-01 11/4/2022	RB-W-143-70-221104-00-01 11/4/2022	RB-W-143-84-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	28.5	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	53.7	77.6	75.7	76.2	79.8	68.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	14	--
Percent passing (hydrometer 2)	D422	--	--	--	--	7	--
Percent passing (hydrometer 3)	D422	--	--	--	--	4	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	49.5	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	94.9	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	30.1	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.9	--
Percent retained 30-micron sieve	D422	--	--	--	--	98.9	--
Sand	D422	--	--	--	--	70	--
Silt	D422	--	--	--	--	30.1	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.056 U	0.040 U	0.043 U	0.041 U	0.042 U	0.045 U
Aroclor 1221	SW8082A	0.056 U	0.040 U	0.043 U	0.041 U	0.042 U	0.045 U
Aroclor 1232	SW8082A	0.056 U	0.040 U	0.043 U	0.041 U	0.042 U	0.045 U
Aroclor 1242	SW8082A	0.056 U	0.040 U	0.043 U	0.041 U	0.042 U	0.045 U
Aroclor 1248	SW8082A	0.056 U	0.040 U	0.043 U	0.041 U	0.042 U	0.045 U
Aroclor 1254	SW8082A	11	1.76	0.984	1.54	1.91 J	0.598
Aroclor 1260	SW8082A	16.8	7.19	3.7	5.75	8.65 J	1.87
Total PCB Aroclors (U = 0 max limit)		28	8.95	4.7	7.29	10.6 J	2.47

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-144-01-221104-00-01 11/4/2022	RB-W-144-15-221104-00-01 11/4/2022	RB-W-144-33-221104-00-01 11/4/2022	RB-W-144-46-230511-00-01 5/11/2023	RB-W-144-68-220928-00-01 9/28/2022	RB-W-144-91-221104-00-01 11/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	1.6
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	51.1
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.2	72.2	65.8	56.7	68.3	65.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	46
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	52
Percent passing (hydrometer 2)	D422	--	--	--	--	--	14
Percent passing (hydrometer 3)	D422	--	--	--	--	--	3.3
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	71.9
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	93.6
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	56.1
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.9
Percent retained 30-micron sieve	D422	--	--	--	--	--	96.2
Sand	D422	--	--	--	--	--	43.9
Silt	D422	--	--	--	--	--	56.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.046 U	0.049 U	0.035 U	0.044 U	0.050 U
Aroclor 1221	SW8082A	0.046 U	0.046 U	0.049 U	0.035 U	0.044 U	0.050 U
Aroclor 1232	SW8082A	0.046 U	0.046 U	0.049 U	0.035 U	0.044 U	0.050 U
Aroclor 1242	SW8082A	0.046 U	0.046 U	0.049 U	0.035 U	0.044 U	0.050 U
Aroclor 1248	SW8082A	0.046 U	0.046 U	0.049 U	0.035 U	0.044 U	0.050 U
Aroclor 1254	SW8082A	1.76	1.14	2.01	0.035 U	0.61	1.62
Aroclor 1260	SW8082A	6.45	4.29	7.39	4.21	1.83	6.7
Total PCB Aroclors (U = 0 max limit)		8.21	5.43	9.4	4.21	2.4	8.3

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-145-21-220928-00-01 9/28/2022	RB-W-145-42-221104-00-01 11/4/2022	RB-W-145-64-221104-00-01 11/4/2022	RB-W-145-86-221104-00-01 11/4/2022	RB-W-145-86-BD0001 11/4/2022	RB-W-146-11-221104-00-01 11/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.1	64.8	69.6	71.4	56.7	68.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.050 U	0.048 U	0.046 U	0.056 U	0.046 U
Aroclor 1221	SW8082A	0.045 U	0.050 U	0.048 U	0.046 U	0.056 U	0.046 U
Aroclor 1232	SW8082A	0.045 U	0.050 U	0.048 U	0.046 U	0.056 U	0.046 U
Aroclor 1242	SW8082A	0.045 U	0.050 U	0.048 U	0.046 U	0.056 U	0.046 U
Aroclor 1248	SW8082A	0.045 U	0.050 U	0.048 U	0.046 U	0.056 U	0.046 U
Aroclor 1254	SW8082A	3.36	2.85	1.88	1.26 J	0.636 J	1.59
Aroclor 1260	SW8082A	6.8	11.4	7.93	4.85 J	2.36 J	6.25
Total PCB Aroclors (U = 0 max limit)		10	14.3	9.81	6.11 J	3.00 J	7.84

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-146-35-221104-00-01 11/4/2022	RB-W-146-51-221104-00-01 11/4/2022	RB-W-146-74-221104-00-01 11/4/2022	RB-W-147-05-221104-00-01 11/4/2022	RB-W-147-47-221104-00-01 11/4/2022	RB-W-147-98-220928-00-01 9/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	66.5	66.7	67.9	69	72.3	70.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.047 U	0.046 U	0.048 U	0.044 U	0.046 U
Aroclor 1221	SW8082A	0.047 U	0.047 U	0.046 U	0.048 U	0.044 U	0.046 U
Aroclor 1232	SW8082A	0.047 U	0.047 U	0.046 U	0.048 U	0.044 U	0.046 U
Aroclor 1242	SW8082A	0.047 U	0.047 U	0.046 U	0.048 U	0.044 U	0.046 U
Aroclor 1248	SW8082A	0.047 U	0.047 U	0.046 U	0.048 U	0.044 U	0.046 U
Aroclor 1254	SW8082A	1.45	2.97	1.15	2.32	1.83	1.33
Aroclor 1260	SW8082A	5.58	11	4.04	8.83	6.78	4.75
Total PCB Aroclors (U = 0 max limit)		7.03	14	5.19	11.2	8.61	6.08

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-148-35-221104-00-01 11/4/2022	RB-W-148-69-220929-00-01 9/29/2022	RB-W-148-95-221104-00-01 11/4/2022	RB-W-149-02-220929-00-01 9/29/2022	RB-W-149-42-221103-00-01 11/3/2022	RB-W-149-44-220930-00-01 9/30/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	63.5	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	67.3	52	50.9	64.1	60.4	62
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0.11	--	--	--	--	--
Percent passing (hydrometer 1)	D422	8	--	--	--	--	--
Percent passing (hydrometer 2)	D422	4.9	--	--	--	--	--
Percent passing (hydrometer 3)	D422	3	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	15.8	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	98.4	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	99.9	--	--	--	--	--
Percent passing 50-micron sieve	D422	28.6	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	12.1	--	--	--	--	--
Percent passing 8.0 micron	D422	99	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	83.2	--	--	--	--	--
Percent retained 30-micron sieve	D422	47.3	--	--	--	--	--
Sand	D422	87.8	--	--	--	--	--
Silt	D422	12.1	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.049 U	0.059 U	0.062 U	0.049 U	0.049 U	0.049 U
Aroclor 1221	SW8082A	0.049 U	0.059 U	0.062 U	0.049 U	0.049 U	0.049 U
Aroclor 1232	SW8082A	0.049 U	0.059 U	0.062 U	0.049 U	0.049 U	0.049 U
Aroclor 1242	SW8082A	0.049 U	0.059 U	0.062 U	0.049 U	0.049 U	0.049 U
Aroclor 1248	SW8082A	0.049 U	0.059 U	0.062 U	0.049 U	0.049 U	0.049 U
Aroclor 1254	SW8082A	1.19	0.762	1.33	1.22	1.71 J	1.23
Aroclor 1260	SW8082A	4.24	2.21	4.93	4.42	6.81 J	3.78
Total PCB Aroclors (U = 0 max limit)		5.43	2.97	6.26	5.64	8.52 J	5.01

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-149-59-230511-00-01 5/11/2023	RB-W-149-75-220930-00-01 9/30/2022	RB-W-149-98-230511-00-01 5/11/2023	RB-W-150-18-220930-00-01 9/30/2022	RB-W-150-41-230511-00-01 5/11/2023	RB-W-150-64-220930-00-01 9/30/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62.1	81.6	90.5	75.2	66.2	75.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.030 U	0.038 U	0.019 U	0.040 U	0.026 U	0.041 U
Aroclor 1221	SW8082A	0.030 U	0.038 U	0.019 U	0.040 U	0.026 U	0.041 U
Aroclor 1232	SW8082A	0.030 U	0.038 U	0.019 U	0.040 U	0.026 U	0.041 U
Aroclor 1242	SW8082A	0.030 U	0.038 U	0.019 U	0.040 U	0.026 U	0.041 U
Aroclor 1248	SW8082A	0.030 U	0.038 U	0.019 U	0.040 U	0.026 U	0.041 U
Aroclor 1254	SW8082A	0.030 U	0.223	0.019 U	0.358	0.026 U	0.617
Aroclor 1260	SW8082A	2.7	0.735	0.383	1.39	1.79	2.74
Total PCB Aroclors (U = 0 max limit)		2.7	0.958	0.383	1.75	1.79	3.36

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-150-85-221103-00-01 11/3/2022	RB-W-151-08-221103-00-01 11/3/2022	RB-W-151-32-221103-00-01 11/3/2022	RB-W-151-61-220930-00-01 9/30/2022	RB-W-151-87-221103-00-01 11/3/2022	RB-W-152-12-220930-00-01 9/30/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	38.1	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	75.3	66.3	70.4	63.9	73.2	57.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	24	--	--	--
Percent passing (hydrometer 2)	D422	--	--	8	--	--	--
Percent passing (hydrometer 3)	D422	--	--	5.4	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	58.7	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	100	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	93.2	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	41.4	--	--	--
Percent passing 8.0 micron	D422	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	97.5	--	--	--
Sand	D422	--	--	58.6	--	--	--
Silt	D422	--	--	41.4	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.049 U	0.046 U	0.049 U	0.045 U	0.052 U
Aroclor 1221	SW8082A	0.044 U	0.049 U	0.046 U	0.049 U	0.045 U	0.052 U
Aroclor 1232	SW8082A	0.044 U	0.049 U	0.046 U	0.049 U	0.045 U	0.052 U
Aroclor 1242	SW8082A	0.044 U	0.049 U	0.046 U	0.049 U	0.045 U	0.052 U
Aroclor 1248	SW8082A	0.044 U	0.049 U	0.046 U	0.049 U	0.045 U	0.052 U
Aroclor 1254	SW8082A	1.15 J	0.904	1.14	0.757	0.99	0.732
Aroclor 1260	SW8082A	5.32 J	5.79	7.4	2.16	5.43	2.64
Total PCB Aroclors (U = 0 max limit)		6.47 J	6.69	8.5	2.92	6.4	3.37

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-152-42-221103-00-01 11/3/2022	RB-W-152-63-220930-00-01 9/30/2022	RB-W-152-92-221103-00-01 11/3/2022	RB-W-153-16-220930-00-01 9/30/2022	RB-W-153-42-221103-00-01 11/3/2022	RB-W-153-42-BD0001 11/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	1.8	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	49.1	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.8	62.5	62.3	67.7	61.3	61.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	36	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	14	--	--
Percent passing (hydrometer 2)	D422	--	--	--	5	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3.1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	51.1	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	95.1	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	30.4	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.1	--	--
Sand	D422	--	--	--	69.6	--	--
Silt	D422	--	--	--	30.4	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.050 U	0.052 U	0.046 U	0.054 U	0.053 U
Aroclor 1221	SW8082A	0.047 U	0.050 U	0.052 U	0.046 U	0.054 U	0.053 U
Aroclor 1232	SW8082A	0.047 U	0.050 U	0.052 U	0.046 U	0.054 U	0.053 U
Aroclor 1242	SW8082A	0.047 U	0.050 U	0.052 U	0.046 U	0.054 U	0.053 U
Aroclor 1248	SW8082A	0.047 U	0.050 U	0.052 U	0.046 U	0.054 U	0.053 U
Aroclor 1254	SW8082A	0.881	0.418	0.908	0.477	5.72	3.85
Aroclor 1260	SW8082A	3.96	1.43	4.02	1.99	28 J	16.4 J
Total PCB Aroclors (U = 0 max limit)		4.84	1.85	4.93	2.47	34 J	20.3 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-153-65-220930-00-01 9/30/2022	RB-W-153-90-221103-00-01 11/3/2022	RB-W-154-16-220930-00-01 9/30/2022	RB-W-154-37-221103-00-01 11/3/2022	RB-W-154-61-220930-00-01 9/30/2022	RB-W-154-86-221103-00-01 11/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64.9	59.6	58.4	62.9	63.4	66
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	-- R	0.051 U	0.051 U	0.047 U	0.050 U
Aroclor 1221	SW8082A	0.047 U	-- R	0.051 U	0.051 U	0.047 U	0.050 U
Aroclor 1232	SW8082A	0.047 U	-- R	0.051 U	0.051 U	0.047 U	0.050 U
Aroclor 1242	SW8082A	0.047 U	-- R	0.051 U	0.051 U	0.047 U	0.050 U
Aroclor 1248	SW8082A	0.047 U	-- R	0.051 U	0.051 U	0.047 U	0.050 U
Aroclor 1254	SW8082A	0.801	0.197 J	1.58	7.16	0.577	0.98
Aroclor 1260	SW8082A	2.58	0.366 J	3.25	14.7	1.71	4.59
Total PCB Aroclors (U = 0 max limit)		3.38	0.563 J	4.83	21.9	2.29	5.6

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-155-10-220930-00-01 9/30/2022	RB-W-155-38-221103-00-01 11/3/2022	RB-W-155-63-220930-00-01 9/30/2022	RB-W-155-93-221103-00-01 11/3/2022	RB-W-156-18-220930-00-01 9/30/2022	RB-W-156-46-221103-00-01 11/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.8	65.9	67.5	61.9	75.6	71.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.049 UJ	0.047 U	0.052 U	0.041 U	0.046 U
Aroclor 1221	SW8082A	0.041 U	0.049 UJ	0.047 U	0.052 U	0.041 U	0.046 U
Aroclor 1232	SW8082A	0.041 U	0.049 UJ	0.047 U	0.052 U	0.041 U	0.046 U
Aroclor 1242	SW8082A	0.041 U	0.049 UJ	0.047 U	0.052 U	0.041 U	0.046 U
Aroclor 1248	SW8082A	0.041 U	0.049 UJ	0.047 U	0.052 U	0.041 U	0.046 U
Aroclor 1254	SW8082A	0.238	0.29 J	1.12	0.844	0.069	0.502
Aroclor 1260	SW8082A	1.03	1.06 J	5.94	3.53	0.318	2.28
Total PCB Aroclors (U = 0 max limit)		1.27	1.4 J	7.06	4.37	0.387	2.78

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-156-74-220930-00-01 9/30/2022	RB-W-156-74-BD0001 9/30/2022	RB-W-157-08-221103-00-01 11/3/2022	RB-W-157-34-220930-00-01 9/30/2022	RB-W-157-84-221103-00-01 11/3/2022	RB-W-158-32-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	18.4	57.7	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71	70.9	72.6	82.1	71.1	78.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	4.5	0.3	--
Percent passing (hydrometer 1)	D422	--	--	--	3	10	--
Percent passing (hydrometer 2)	D422	--	--	--	0.78	4	--
Percent passing (hydrometer 3)	D422	--	--	--	0.78	3.0 U	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	99.8	99.9	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	7.7	29.1	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	78.9	96.8	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	95.5	99.7	--
Percent passing 50-micron sieve	D422	--	--	--	26.4	62	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	4.4	18	--
Percent passing 8.0 micron	D422	--	--	--	82.5	98	--
Percent retained 16,000-micron sieve	D422	--	--	--	63.7	89.1	--
Percent retained 30-micron sieve	D422	--	--	--	46.5	76.7	--
Sand	D422	--	--	--	91.2	81.7	--
Silt	D422	--	--	--	4.4	18	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.043 U	0.044 U	0.036 U	0.046 U	0.040 U
Aroclor 1221	SW8082A	0.043 U	0.043 U	0.044 U	0.036 U	0.046 U	0.040 U
Aroclor 1232	SW8082A	0.043 U	0.043 U	0.044 U	0.036 U	0.046 U	0.040 U
Aroclor 1242	SW8082A	0.043 U	0.043 U	0.044 U	0.036 U	0.046 U	0.040 U
Aroclor 1248	SW8082A	0.043 U	0.043 U	0.044 U	0.036 U	0.046 U	0.040 U
Aroclor 1254	SW8082A	0.139	0.126	0.682	0.867	0.58	0.98
Aroclor 1260	SW8082A	0.599	0.626	2.75	3.38	2.76	5.09
Total PCB Aroclors (U = 0 max limit)		0.738	0.752	3.43	4.25	3.3	6.1

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-158-67-221103-00-01 11/3/2022	RB-W-158-99-221006-00-01 10/6/2022	RB-W-159-24-221103-00-01 11/3/2022	RB-W-159-49-221006-00-01 10/6/2022	RB-W-159-49-BD0001 10/6/2022	RB-W-159-72-230511-00-01 5/11/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	57.4	81	43.9	84	83.7	68.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.056 U	0.040 U	0.074 U	0.037 U	0.040 U	0.027 U
Aroclor 1221	SW8082A	0.056 U	0.040 U	0.074 U	0.037 U	0.040 U	0.027 U
Aroclor 1232	SW8082A	0.056 U	0.040 U	0.074 U	0.037 U	0.040 U	0.027 U
Aroclor 1242	SW8082A	0.056 U	0.040 U	0.074 U	0.037 U	0.040 U	0.027 U
Aroclor 1248	SW8082A	0.056 U	0.040 U	0.074 U	0.037 U	0.040 U	0.027 U
Aroclor 1254	SW8082A	1.19	1.61	1.21	0.851	1.32	0.027 U
Aroclor 1260	SW8082A	5.42	7.15	5	4.22 J	7.56 J	2.46
Total PCB Aroclors (U = 0 max limit)		6.61	8.76	6.2	5.07 J	8.88 J	2.46

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-159-90-221006-00-01 10/6/2022	RB-W-160-10-230511-00-01 5/11/2023	RB-W-160-32-221006-00-01 10/6/2022	RB-W-160-60-230511-00-01 5/11/2023	RB-W-160-85-221006-00-01 10/6/2022	RB-W-161-11-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	83.6	76.3	90.4	53.5	90.5	89.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.025 U	0.036 UJ	0.034 U	0.035 U	0.035 U
Aroclor 1221	SW8082A	0.036 U	0.025 U	0.036 UJ	0.034 U	0.035 U	0.035 U
Aroclor 1232	SW8082A	0.036 U	0.025 U	0.036 UJ	0.034 U	0.035 U	0.035 U
Aroclor 1242	SW8082A	0.036 U	0.025 U	0.036 UJ	0.034 U	0.035 U	0.035 U
Aroclor 1248	SW8082A	0.036 U	0.025 U	0.036 UJ	0.034 U	0.035 U	0.035 U
Aroclor 1254	SW8082A	0.882	0.025 U	0.351 J	0.034 U	1.06	1.55
Aroclor 1260	SW8082A	6.04	3.98	1.52 J	2.18	7.1	9.98
Total PCB Aroclors (U = 0 max limit)		6.92	3.98	1.87 J	2.18	8.2	11.5

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-161-46-221103-00-01 11/3/2022	RB-W-161-74-221006-00-01 10/6/2022	RB-W-161-96-230511-00-01 5/11/2023	RB-W-162-22-230511-00-01 5/11/2023	RB-W-162-44-230511-00-01 5/11/2023	RB-W-162-69-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	44.6
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	75.4	86.3	74.5	60.7	65.3	69.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	21
Percent passing (hydrometer 2)	D422	--	--	--	--	--	9.1
Percent passing (hydrometer 3)	D422	--	--	--	--	--	5
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	50
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	87.3
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	38.9
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.9
Percent retained 30-micron sieve	D422	--	--	--	--	--	98
Sand	D422	--	--	--	--	--	61.1
Silt	D422	--	--	--	--	--	38.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.037 U	0.026 U	0.033 U	0.029 U	0.048 U
Aroclor 1221	SW8082A	0.042 U	0.037 U	0.026 U	0.033 U	0.029 U	0.048 U
Aroclor 1232	SW8082A	0.042 U	0.037 U	0.026 U	0.033 U	0.029 U	0.048 U
Aroclor 1242	SW8082A	0.042 U	0.037 U	0.026 U	0.033 U	0.029 U	0.048 U
Aroclor 1248	SW8082A	0.042 U	0.037 U	0.026 U	0.033 U	0.029 U	0.048 U
Aroclor 1254	SW8082A	2.42	2.33	0.026 U	0.033 U	0.029 U	1.87
Aroclor 1260	SW8082A	27.9	18.8	3.43	11.8	0.884	9.93
Total PCB Aroclors (U = 0 max limit)		30.3	21.1	3.43	11.8	0.884	11.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-162-97-221103-00-01 11/3/2022	RB-W-163-21-221103-00-01 11/3/2022	RB-W-163-45-221006-00-01 10/6/2022	RB-W-163-65-221006-00-01 10/6/2022	RB-W-163-83-230511-00-01 5/11/2023	RB-W-164-12-221004-00-01 10/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.1	66.4	66.3	76.5	68.3	68.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.049 U	0.049 U	0.043 U	0.029 U	0.043 U
Aroclor 1221	SW8082A	0.045 U	0.049 U	0.049 U	0.043 U	0.029 U	0.043 U
Aroclor 1232	SW8082A	0.045 U	0.049 U	0.049 U	0.043 U	0.029 U	0.043 U
Aroclor 1242	SW8082A	0.045 U	0.049 U	0.049 U	0.043 U	0.029 U	0.043 U
Aroclor 1248	SW8082A	0.045 U	0.049 U	0.049 U	0.043 U	0.029 U	0.043 U
Aroclor 1254	SW8082A	0.644	0.742 J	2.11	1.75	0.029 U	0.789
Aroclor 1260	SW8082A	3.61	3.64	9.41	8.89	2.42	3.71
Total PCB Aroclors (U = 0 max limit)		4.25	4.38 J	11.5	10.6	2.42	4.5

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-164-41-221103-00-01 11/3/2022	RB-W-164-69-230511-00-01 5/11/2023	RB-W-164-69-BD0001 5/11/2023	RB-W-164-93-221004-00-01 10/4/2022	RB-W-165-18-221103-00-01 11/3/2022	RB-W-165-18-BD0001 11/3/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	46.8	--	--	113	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	68.5	69.1	82.4	50.7	52	52
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	0.04	--	--
Percent passing (hydrometer 1)	D422	16	--	--	25	--	--
Percent passing (hydrometer 2)	D422	8	--	--	11	--	--
Percent passing (hydrometer 3)	D422	4	--	--	4.9	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	45.3	--	--	58	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	99.2	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	100	--	--
Percent passing 50-micron sieve	D422	93.6	--	--	91.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	25.5	--	--	38.4	--	--
Percent passing 8.0 micron	D422	100	--	--	99.6	--	--
Percent retained 16,000-micron sieve	D422	99.9	--	--	99.1	--	--
Percent retained 30-micron sieve	D422	98.7	--	--	96.2	--	--
Sand	D422	74.5	--	--	61.5	--	--
Silt	D422	25.5	--	--	38.4	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.028 U	0.024 U	0.062 U	0.062 U	0.063 U
Aroclor 1221	SW8082A	0.048 U	0.028 U	0.024 U	0.062 U	0.062 U	0.063 U
Aroclor 1232	SW8082A	0.048 U	0.028 U	0.024 U	0.062 U	0.062 U	0.063 U
Aroclor 1242	SW8082A	0.048 U	0.028 U	0.024 U	0.062 U	0.062 U	0.063 U
Aroclor 1248	SW8082A	0.048 U	0.028 U	0.024 U	0.062 U	0.062 U	0.063 U
Aroclor 1254	SW8082A	0.757	0.028 U	0.024 U	1.62	0.852	1.35
Aroclor 1260	SW8082A	3.32	9.82	8.17	5.45	2.87	4.59
Total PCB Aroclors (U = 0 max limit)		4.08	9.82	8.17	7.07	3.72	5.94

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-165-40-221004-00-01 10/4/2022	RB-W-165-65-221102-00-01 11/2/2022	RB-W-165-90-221004-00-01 10/4/2022	RB-W-166-18-221102-00-01 11/2/2022	RB-W-166-42-221004-00-01 10/4/2022	RB-W-166-65-221102-00-01 11/2/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62.9	58.8	56.9	65.3	67.5	69.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.052 U	0.053 U	0.046 U	0.045 U	0.045 U
Aroclor 1221	SW8082A	0.048 U	0.052 U	0.053 U	0.046 U	0.045 U	0.045 U
Aroclor 1232	SW8082A	0.048 U	0.052 U	0.053 U	0.046 U	0.045 U	0.045 U
Aroclor 1242	SW8082A	0.048 U	0.052 U	0.053 U	0.046 U	0.045 U	0.045 U
Aroclor 1248	SW8082A	0.048 U	0.052 U	0.053 U	0.046 U	0.045 U	0.045 U
Aroclor 1254	SW8082A	1.78 J	2.01	1.5	1.56	1.57	1.65
Aroclor 1260	SW8082A	6.06	6.97	5.13	6.5	6.13	6.89
Total PCB Aroclors (U = 0 max limit)		7.84 J	8.98	6.6	8.1	7.7	8.54

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-166-90-221004-00-01 10/4/2022	RB-W-167-18-221102-00-01 11/2/2022	RB-W-167-40-221004-00-01 10/4/2022	RB-W-167-65-221102-00-01 11/2/2022	RB-W-167-84-230512-00-01 5/12/2023	RB-W-167-84-BD0001 5/12/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	58.5	56.1	67.1	64.1	67.6	68.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.053 U	0.056 U	0.047 U	0.048 U	0.026 U	0.029 U
Aroclor 1221	SW8082A	0.053 U	0.056 U	0.047 U	0.048 U	0.026 U	0.029 U
Aroclor 1232	SW8082A	0.053 U	0.056 U	0.047 U	0.048 U	0.026 U	0.029 U
Aroclor 1242	SW8082A	0.053 U	0.056 U	0.047 U	0.048 U	0.026 U	0.029 U
Aroclor 1248	SW8082A	0.053 U	0.056 U	0.047 U	0.048 U	0.026 U	0.029 U
Aroclor 1254	SW8082A	1.63	1.63	0.967	1.34	0.026 U	0.029 U
Aroclor 1260	SW8082A	6.61	5.5	3.62	5.8	3.25	4.48
Total PCB Aroclors (U = 0 max limit)		8.24	7.1	4.59	7.1	3.25	4.48

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-167-99-221004-00-01 10/4/2022	RB-W-168-20-230512-00-01 5/12/2023	RB-W-168-49-221004-00-01 10/4/2022	RB-W-168-75-230512-00-01 5/12/2023	RB-W-168-98-230512-00-01 5/12/2023	RB-W-169-20-221004-00-01 10/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	73.5	69	66.7	65.1	65.8	65
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.027 U	0.046 U	0.029 U	0.027 U	0.050 U
Aroclor 1221	SW8082A	0.043 U	0.027 U	0.046 U	0.029 U	0.027 U	0.050 U
Aroclor 1232	SW8082A	0.043 U	0.027 U	0.046 U	0.029 U	0.027 U	0.050 U
Aroclor 1242	SW8082A	0.043 U	0.027 U	0.046 U	0.029 U	0.027 U	0.050 U
Aroclor 1248	SW8082A	0.043 U	0.027 U	0.046 U	0.029 U	0.027 U	0.050 U
Aroclor 1254	SW8082A	5.71	0.027 U	3.8	0.029 U	0.027 U	0.753
Aroclor 1260	SW8082A	10.7	2.45	12	5.02	1.83	2.39
Total PCB Aroclors (U = 0 max limit)		16.4	2.45	16	5.02	1.83	3.14

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-169-37-221004-00-01 10/4/2022	RB-W-169-64-221102-00-01 11/2/2022	RB-W-169-93-221004-00-01 10/4/2022	RB-W-170-18-221102-00-01 11/2/2022	RB-W-170-45-221004-00-01 10/4/2022	RB-W-170-45-BD0001 10/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64.1	70.1	65.5	62.2	63.7	64.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.049 U	0.045 U	0.045 U	0.048 U	0.050 U	0.051 U
Aroclor 1221	SW8082A	0.049 U	0.045 U	0.045 U	0.048 U	0.050 U	0.051 U
Aroclor 1232	SW8082A	0.049 U	0.045 U	0.045 U	0.048 U	0.050 U	0.051 U
Aroclor 1242	SW8082A	0.049 U	0.045 U	0.045 U	0.048 U	0.050 U	0.051 U
Aroclor 1248	SW8082A	0.049 U	0.045 U	0.045 U	0.048 U	0.050 U	0.051 U
Aroclor 1254	SW8082A	2.51	1.78	1.67	1.41	1.79	1.72
Aroclor 1260	SW8082A	7.57	7.52	5.33	5.74	5.93	5.69
Total PCB Aroclors (U = 0 max limit)		10.1	9.3	7	7.15	7.72	7.41

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-170-73-221102-00-01 11/2/2022	RB-W-170-97-221004-00-01 10/4/2022	RB-W-171-26-221102-00-01 11/2/2022	RB-W-171-47-221004-00-01 10/4/2022	RB-W-171-71-221102-00-01 11/2/2022	RB-W-171-99-221004-00-01 10/4/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	71.6	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62.2	62.8	56.9	58.9	64.5	68
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	27	--	--
Percent passing (hydrometer 2)	D422	--	--	--	11	--	--
Percent passing (hydrometer 3)	D422	--	--	--	5	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	57.5	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	88.9	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	42.2	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.9	--	--
Percent retained 30-micron sieve	D422	--	--	--	96.5	--	--
Sand	D422	--	--	--	57.8	--	--
Silt	D422	--	--	--	42.2	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.049 U	0.057 U	0.053 U	0.046 U	0.045 U
Aroclor 1221	SW8082A	0.051 U	0.049 U	0.057 U	0.053 U	0.046 U	0.045 U
Aroclor 1232	SW8082A	0.051 U	0.049 U	0.057 U	0.053 U	0.046 U	0.045 U
Aroclor 1242	SW8082A	0.051 U	0.049 U	0.057 U	0.053 U	0.046 U	0.045 U
Aroclor 1248	SW8082A	0.051 U	0.049 U	0.057 U	0.053 U	0.046 U	0.045 U
Aroclor 1254	SW8082A	1.35	2.21	1.45	2.33	1.57	1.36
Aroclor 1260	SW8082A	5.64	7.8	5.41	7.32	7.1	3.92
Total PCB Aroclors (U = 0 max limit)		6.99	10	6.86	9.65	8.7	5.28

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-172-26-221102-00-01 11/2/2022	RB-W-172-53-221006-00-01 10/6/2022	RB-W-173-01-221102-00-01 11/2/2022	RB-W-173-57-221006-00-01 10/6/2022	RB-W-173-79-221102-00-01 11/2/2022	RB-W-174-04-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	30.4	42.9	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.2	71.2	70.1	63.5	64.6	67.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0.11	0.68	--	--	--
Percent passing (hydrometer 1)	D422	--	15	13	--	--	--
Percent passing (hydrometer 2)	D422	--	6.9	6	--	--	--
Percent passing (hydrometer 3)	D422	--	3	3.2	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	99.8	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	38.1	28.2	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	99.4	98.9	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	99.9	99.3	--	--	--
Percent passing 50-micron sieve	D422	--	89.4	74.4	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	24.2	17.5	--	--	--
Percent passing 8.0 micron	D422	--	99.6	99	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.3	96.6	--	--	--
Percent retained 30-micron sieve	D422	--	97.6	96.3	--	--	--
Sand	D422	--	75.7	81.9	--	--	--
Silt	D422	--	24.2	17.5	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.044 U	0.047 U	0.050 U	0.050 U	0.049 U
Aroclor 1221	SW8082A	0.046 U	0.044 U	0.047 U	0.050 U	0.050 U	0.049 U
Aroclor 1232	SW8082A	0.046 U	0.044 U	0.047 U	0.050 U	0.050 U	0.049 U
Aroclor 1242	SW8082A	0.046 U	0.044 U	0.047 U	0.050 U	0.050 U	0.049 U
Aroclor 1248	SW8082A	0.046 U	0.044 U	0.047 U	0.050 U	0.050 U	0.049 U
Aroclor 1254	SW8082A	0.856	1.81	1.41	2.29 J	2.19	2.72
Aroclor 1260	SW8082A	3.06	9.51	4.74	11.3 J	8.63	12
Total PCB Aroclors (U = 0 max limit)		3.92	11.3	6.15	13.6 J	10.8	15

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-174-25-221102-00-01 11/2/2022	RB-W-174-51-221102-00-01 11/2/2022	RB-W-174-73-221102-00-01 11/2/2022	RB-W-174-95-221102-00-01 11/2/2022	RB-W-175-18-221006-00-01 10/6/2022	RB-W-175-45-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.1	81.6	87.5	87.9	80.3	79.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.036 U	0.035 U	0.036 U	0.040 U	0.040 U
Aroclor 1221	SW8082A	0.044 U	0.036 U	0.035 U	0.036 U	0.040 U	0.040 U
Aroclor 1232	SW8082A	0.044 U	0.036 U	0.035 U	0.036 U	0.040 U	0.040 U
Aroclor 1242	SW8082A	0.044 U	0.036 U	0.035 U	0.036 U	0.040 U	0.040 U
Aroclor 1248	SW8082A	0.044 U	0.036 U	0.035 U	0.036 U	0.040 U	0.040 U
Aroclor 1254	SW8082A	2.95	1.19	2.41 J	1.51	2.14	1.13
Aroclor 1260	SW8082A	13.8	6.88	11.2 J	9.75	12.1	5.71
Total PCB Aroclors (U = 0 max limit)		16.8	8.07	13.6 J	11.3	14.2	6.84

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-175-71-221102-00-01 11/2/2022	RB-W-175-94-221006-00-01 10/6/2022	RB-W-176-18-221102-00-01 11/2/2022	RB-W-176-42-221006-00-01 10/6/2022	RB-W-176-69-221102-00-01 11/2/2022	RB-W-176-91-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.8	72.1	83.3	67.2	60.3	57.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.043 UJ	0.039 U	0.047 U	0.052 U	0.055 U
Aroclor 1221	SW8082A	0.039 U	0.043 UJ	0.039 U	0.047 U	0.052 U	0.055 U
Aroclor 1232	SW8082A	0.039 U	0.043 UJ	0.039 U	0.047 U	0.052 U	0.055 U
Aroclor 1242	SW8082A	0.039 U	0.043 UJ	0.039 U	0.047 U	0.052 U	0.055 U
Aroclor 1248	SW8082A	0.039 U	0.043 UJ	0.039 U	0.047 U	0.052 U	0.055 U
Aroclor 1254	SW8082A	1.21	0.195 J	0.923	3.51	4.12	3.54
Aroclor 1260	SW8082A	6.48	0.792 J	4.21	13.6	17.4	13
Total PCB Aroclors (U = 0 max limit)		7.69	0.987 J	5.13	17.1	21.5	17

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-177-20-221102-00-01 11/2/2022	RB-W-177-43-221006-00-01 10/6/2022	RB-W-177-64-221102-00-01 11/2/2022	RB-W-177-82-221006-00-01 10/6/2022	RB-W-178-05-230512-00-01 5/12/2023	RB-W-178-31-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	68	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72	59.8	53.2	68.1	54.9	65.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	26	--
Percent passing (hydrometer 2)	D422	--	--	--	--	8	--
Percent passing (hydrometer 3)	D422	--	--	--	--	5	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	41.3	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	72.9	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	32	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	100	--
Percent retained 30-micron sieve	D422	--	--	--	--	97.2	--
Sand	D422	--	--	--	--	68	--
Silt	D422	--	--	--	--	32	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.055 U	0.059 U	0.043 U	0.034 U	0.048 U
Aroclor 1221	SW8082A	0.043 U	0.055 U	0.059 U	0.043 U	0.034 U	0.048 U
Aroclor 1232	SW8082A	0.043 U	0.055 U	0.059 U	0.043 U	0.034 U	0.048 U
Aroclor 1242	SW8082A	0.043 U	0.055 U	0.059 U	0.043 U	0.034 U	0.048 U
Aroclor 1248	SW8082A	0.043 U	0.055 U	0.059 U	0.043 U	0.034 U	0.048 U
Aroclor 1254	SW8082A	2.47	1.82	1.42	1.62	0.034 U	2
Aroclor 1260	SW8082A	10.2	7.05	5.34	6.85	2.25	8.97
Total PCB Aroclors (U = 0 max limit)		12.7	8.87	6.76	8.47	2.25	11

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-178-59-230512-00-01 5/12/2023	RB-W-178-82-221006-00-01 10/6/2022	RB-W-179-07-230512-00-01 5/12/2023	RB-W-179-32-221006-00-01 10/6/2022	RB-W-179-57-230512-00-01 5/12/2023	RB-W-179-82-230512-00-01 5/12/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	59.9	65.9	63.5	63.3	59.3	64.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.047 U	0.030 U	0.051 U	0.030 U	0.030 U
Aroclor 1221	SW8082A	0.033 U	0.047 U	0.030 U	0.051 U	0.030 U	0.030 U
Aroclor 1232	SW8082A	0.033 U	0.047 U	0.030 U	0.051 U	0.030 U	0.030 U
Aroclor 1242	SW8082A	0.033 U	0.047 U	0.030 U	0.051 U	0.030 U	0.030 U
Aroclor 1248	SW8082A	0.033 U	0.047 U	0.030 U	0.051 U	0.030 U	0.030 U
Aroclor 1254	SW8082A	0.033 U	0.507	0.030 U	2.25 J	0.030 U	0.030 U
Aroclor 1260	SW8082A	1.9	2.38	3.28	9.28 J	3.16	2.93
Total PCB Aroclors (U = 0 max limit)		1.9	2.89	3.28	11.5 J	3.16	2.93

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-180-08-221006-00-01 10/6/2022	RB-W-180-38-230512-00-01 5/12/2023	RB-W-180-63-221006-00-01 10/6/2022	RB-W-180-85-230512-00-01 5/12/2023	RB-W-181-11-230512-00-01 5/12/2023	RB-W-181-30-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	59.5	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	61.1	63.8	72.4	63.9	70.8	59
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	24	--	--	--	--	--
Percent passing (hydrometer 2)	D422	9.3	--	--	--	--	--
Percent passing (hydrometer 3)	D422	3.1	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	58.6	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	91.6	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	45	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	99.9	--	--	--	--	--
Percent retained 30-micron sieve	D422	98.1	--	--	--	--	--
Sand	D422	55	--	--	--	--	--
Silt	D422	45	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.053 U	0.030 U	0.045 U	0.030 U	0.024 U	0.053 U
Aroclor 1221	SW8082A	0.053 U	0.030 U	0.045 U	0.030 U	0.024 U	0.053 U
Aroclor 1232	SW8082A	0.053 U	0.030 U	0.045 U	0.030 U	0.024 U	0.053 U
Aroclor 1242	SW8082A	0.053 U	0.030 U	0.045 U	0.030 U	0.024 U	0.053 U
Aroclor 1248	SW8082A	0.053 U	0.030 U	0.045 U	0.030 U	0.024 U	0.053 U
Aroclor 1254	SW8082A	1.83	0.030 U	4.03 J	0.030 U	0.024 U	3.34 J
Aroclor 1260	SW8082A	10.8	6.59	28	7.25	27.4	13.4 J
Total PCB Aroclors (U = 0 max limit)		12.6	6.59	32 J	7.25	27.4	16.7 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-181-54-230512-00-01 5/12/2023	RB-W-181-81-230512-00-01 5/12/2023	RB-W-182-10-230512-00-01 5/12/2023	RB-W-182-56-230512-00-01 5/12/2023	RB-W-182-88-230512-00-01 5/12/2023	RB-W-183-12-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	80.4	71.5	61.6	62.5	73.9	73.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.028 U	0.032 U	0.030 U	0.027 U	0.044 U
Aroclor 1221	SW8082A	0.025 U	0.028 U	0.032 U	0.030 U	0.027 U	0.044 U
Aroclor 1232	SW8082A	0.025 U	0.028 U	0.032 U	0.030 U	0.027 U	0.044 U
Aroclor 1242	SW8082A	0.025 U	0.028 U	0.032 U	0.030 U	0.027 U	0.044 U
Aroclor 1248	SW8082A	0.025 U	0.028 U	0.032 U	0.030 U	0.027 U	0.044 U
Aroclor 1254	SW8082A	0.025 U	0.028 U	0.032 U	0.030 U	0.027 U	2.27
Aroclor 1260	SW8082A	0.958	12.1	3.87	7.48	1.99	10.3
Total PCB Aroclors (U = 0 max limit)		0.958	12.1	3.87	7.48	1.99	12.6

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-183-48-230512-00-01 5/12/2023	RB-W-183-78-221006-00-01 10/6/2022	RB-W-184-04-221006-00-01 10/6/2022	RB-W-184-28-221006-00-01 10/6/2022	RB-W-184-45-221102-00-01 11/2/2022	RB-W-184-60-221006-00-01 10/6/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	52.3	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	62.2	83.9	73.5	65.7	64.9	73.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	14	--	--	--	--	--
Percent passing (hydrometer 2)	D422	6	--	--	--	--	--
Percent passing (hydrometer 3)	D422	4.8	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	30.6	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	81.7	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	20.2	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	100	--	--	--	--	--
Percent retained 30-micron sieve	D422	99.4	--	--	--	--	--
Sand	D422	79.8	--	--	--	--	--
Silt	D422	20.2	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.031 U	0.037 UJ	-- R	0.047 U	0.050 U	0.042 U
Aroclor 1221	SW8082A	0.031 U	0.037 UJ	-- R	0.047 U	0.050 U	0.042 U
Aroclor 1232	SW8082A	0.031 U	0.037 UJ	-- R	0.047 U	0.050 U	0.042 U
Aroclor 1242	SW8082A	0.031 U	0.037 UJ	-- R	0.047 U	0.050 U	0.042 U
Aroclor 1248	SW8082A	0.031 U	0.037 UJ	-- R	0.047 U	0.050 U	0.042 U
Aroclor 1254	SW8082A	0.031 U	0.142 J	0.205 J	3.41	1.23	2.82 J
Aroclor 1260	SW8082A	5.27	0.73 J	1.03 J	16.9	4.46	12.7 J
Total PCB Aroclors (U = 0 max limit)		5.27	0.87 J	1.24 J	20.3	5.69	15.5 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-184-81-221102-00-01 11/2/2022	RB-W-185-04-221007-00-01 10/7/2022	RB-W-185-22-221031-00-01 10/31/2022	RB-W-185-45-221031-00-01 10/31/2022	RB-W-185-70-221007-00-01 10/7/2022	RB-W-185-95-221007-00-01 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	1.7	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	52.3	--	--	--	--	18.4
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69.6	77.9	60.1	89.1	84.8	81.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	56	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	0
Percent passing (hydrometer 1)	D422	22	--	--	--	--	13
Percent passing (hydrometer 2)	D422	8	--	--	--	--	7
Percent passing (hydrometer 3)	D422	5.5	--	--	--	--	21
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	42.7	--	--	--	--	34.8
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	100
Percent passing 50-micron sieve	D422	78.3	--	--	--	--	84.5
Percent passing 75-micron sieve (No. 200)	D422	29.8	--	--	--	--	20.9
Percent passing 8.0 micron	D422	100	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	99.9	--	--	--	--	99.9
Percent retained 30-micron sieve	D422	97.2	--	--	--	--	98.2
Sand	D422	70.2	--	--	--	--	79.1
Silt	D422	29.8	--	--	--	--	20.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.042 U	0.054 U	0.037 U	0.039 U	0.040 U
Aroclor 1221	SW8082A	0.047 U	0.042 U	0.054 U	0.037 U	0.039 U	0.040 U
Aroclor 1232	SW8082A	0.047 U	0.042 U	0.054 U	0.037 U	0.039 U	0.040 U
Aroclor 1242	SW8082A	0.047 U	0.042 U	0.054 U	0.037 U	0.039 U	0.040 U
Aroclor 1248	SW8082A	0.047 U	0.042 U	0.054 U	0.037 U	0.039 U	0.040 U
Aroclor 1254	SW8082A	1.42	1.72 J	1.56	1.17	1.25 J	1.13 J
Aroclor 1260	SW8082A	5.06	12.4 J	5.87	6.74	10.7 J	9.4 J
Total PCB Aroclors (U = 0 max limit)		6.48	14.1 J	7.43	7.91	12.0 J	11 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-186-15-221031-00-01 10/31/2022	RB-W-186-36-221007-00-01 10/7/2022	RB-W-186-58-221031-00-01 10/31/2022	RB-W-186-74-221007-00-01 10/7/2022	RB-W-186-90-221007-00-01 10/7/2022	RB-W-186-90-BD0001 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	60.5	83.6	62.2	62.1	68.3	65.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.053 U	0.039 U	0.053 U	0.052 U	0.048 U	0.050 U
Aroclor 1221	SW8082A	0.053 U	0.039 U	0.053 U	0.052 U	0.048 U	0.050 U
Aroclor 1232	SW8082A	0.053 U	0.039 U	0.053 U	0.052 U	0.048 U	0.050 U
Aroclor 1242	SW8082A	0.053 U	0.039 U	0.053 U	0.052 U	0.048 U	0.050 U
Aroclor 1248	SW8082A	0.053 U	0.039 U	0.053 U	0.052 U	0.048 U	0.050 U
Aroclor 1254	SW8082A	2.02	1.17 J	2.03	1.73 J	1.15 J	1.56 J
Aroclor 1260	SW8082A	11.1	9.36 J	6.99	11.1 J	7.55 J	9.77 J
Total PCB Aroclors (U = 0 max limit)		13.1	10.5 J	9.02	12.8 J	8.70 J	11.3 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-187-14-221007-00-01 10/7/2022	RB-W-187-25-230516-00-01 5/16/2023	RB-W-187-25-BD0001 5/16/2023	RB-W-187-40-230516-00-01 5/16/2023	RB-W-187-57-230516-00-01 5/16/2023	RB-W-187-75-221007-00-01 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.5	88.9	90.1	87.6	89	76
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.021 U	0.021 U	0.022 U	0.022 U	0.043 U
Aroclor 1221	SW8082A	0.039 U	0.021 U	0.021 U	0.022 U	0.022 U	0.043 U
Aroclor 1232	SW8082A	0.039 U	0.021 U	0.021 U	0.022 U	0.022 U	0.043 U
Aroclor 1242	SW8082A	0.039 U	0.021 U	0.021 U	0.022 U	0.022 U	0.043 U
Aroclor 1248	SW8082A	0.039 U	0.021 U	0.021 U	0.022 U	0.022 U	0.043 U
Aroclor 1254	SW8082A	1.88 J	0.021 U	0.021 U	0.022 U	0.022 U	1.62 J
Aroclor 1260	SW8082A	13.7 J	0.148 J	1.7 J	1.7	2.17	13.6 J
Total PCB Aroclors (U = 0 max limit)		15.6 J	0.148 J	1.7 J	1.7	2.17	15.2 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-187-88-221007-00-01 10/7/2022	RB-W-188-08-230516-00-01 5/16/2023	RB-W-188-32-221007-00-01 10/7/2022	RB-W-188-55-221007-00-01 10/7/2022	RB-W-188-81-230516-00-01 5/16/2023	RB-W-189-08-221007-00-01 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	1.7	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	45.7	35.1	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.6	77	89.8	87.5	80.8	72.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	44	--	--	--	--
Grain Size (percent)							
Gravel	D422	3.6	4.7	--	--	--	--
Percent passing (hydrometer 1)	D422	13	32	--	--	--	--
Percent passing (hydrometer 2)	D422	6.1	6	--	--	--	--
Percent passing (hydrometer 3)	D422	2.6	0	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	98.2	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	37.5	43.2	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	90.6	90.7	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	96.4	95.3	--	--	--	--
Percent passing 50-micron sieve	D422	54.9	59.3	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	23.9	34.7	--	--	--	--
Percent passing 8.0 micron	D422	91.9	93.9	--	--	--	--
Percent retained 16,000-micron sieve	D422	88.5	88.4	--	--	--	--
Percent retained 30-micron sieve	D422	77.3	72.6	--	--	--	--
Sand	D422	72.5	69.6	--	--	--	--
Silt	D422	23.9	34.7	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.025 U	0.036 U	0.038 U	0.024 U	0.044 U
Aroclor 1221	SW8082A	0.042 U	0.025 U	0.036 U	0.038 U	0.024 U	0.044 U
Aroclor 1232	SW8082A	0.042 U	0.025 U	0.036 U	0.038 U	0.024 U	0.044 U
Aroclor 1242	SW8082A	0.042 U	0.025 U	0.036 U	0.038 U	0.024 U	0.044 U
Aroclor 1248	SW8082A	0.042 U	0.025 U	0.036 U	0.038 U	0.024 U	0.044 U
Aroclor 1254	SW8082A	0.176 J	0.025 U	0.036 U	0.0889	0.024 U	1.65
Aroclor 1260	SW8082A	0.952 J	2.07	0.0908 J	0.571	0.267	7.51
Total PCB Aroclors (U = 0 max limit)		1.13 J	2.07	0.0908 J	0.66	0.267	9.16

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-189-35-221007-00-01 10/7/2022	RB-W-189-57-221031-00-01 10/31/2022	RB-W-189-79-221007-00-01 10/7/2022	RB-W-190-16-230516-00-01 5/16/2023	RB-W-190-45-221007-00-01 10/7/2022	RB-W-190-68-230516-00-01 5/16/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	59.1	61.8	77	61	75.2	59.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.056 U	0.053 U	0.042 U	0.031 U	0.042 U	0.032 U
Aroclor 1221	SW8082A	0.056 U	0.053 U	0.042 U	0.031 U	0.042 U	0.032 U
Aroclor 1232	SW8082A	0.056 U	0.053 U	0.042 U	0.031 U	0.042 U	0.032 U
Aroclor 1242	SW8082A	0.056 U	0.053 U	0.042 U	0.031 U	0.042 U	0.032 U
Aroclor 1248	SW8082A	0.056 U	0.053 U	0.042 U	0.031 U	0.042 U	0.032 U
Aroclor 1254	SW8082A	1.54	2.24	0.914	0.031 U	1.61 J	0.032 U
Aroclor 1260	SW8082A	6.16	8.97	6.23	0.141	7.7	4.94
Total PCB Aroclors (U = 0 max limit)		7.7	11.2	7.14	0.141	9.3 J	4.94

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-190-94-221007-00-01 10/7/2022	RB-W-191-21-221031-00-01 10/31/2022	RB-W-191-54-221007-00-01 10/7/2022	RB-W-191-83-221031-00-01 10/31/2022	RB-W-192-07-221007-00-01 10/7/2022	RB-W-192-33-221031-00-01 10/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78	60.2	67.4	57.6	51.1	53.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.053 U	0.048 U	0.057 U	0.064 U	0.061 U
Aroclor 1221	SW8082A	0.042 U	0.053 U	0.048 U	0.057 U	0.064 U	0.061 U
Aroclor 1232	SW8082A	0.042 U	0.053 U	0.048 U	0.057 U	0.064 U	0.061 U
Aroclor 1242	SW8082A	0.042 U	0.053 U	0.048 U	0.057 U	0.064 U	0.061 U
Aroclor 1248	SW8082A	0.042 U	0.053 U	0.048 U	0.057 U	0.064 U	0.061 U
Aroclor 1254	SW8082A	1.59	2.83 J	1.19	2.39	1.76	3.2 J
Aroclor 1260	SW8082A	8.19	11.3 J	5.27	7.6	6.29	11.6 J
Total PCB Aroclors (U = 0 max limit)		9.78	14.1 J	6.46	10	8.05	15 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-192-61-221007-00-01 10/7/2022	RB-W-192-83-221031-00-01 10/31/2022	RB-W-193-03-221007-00-01 10/7/2022	RB-W-193-24-221031-00-01 10/31/2022	RB-W-193-47-230516-00-01 5/16/2023	RB-W-193-71-221007-00-01 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	65.6	74.8	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	56.3	58.5	57.1	62.7	66.2	56.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	0	--	--	--	--
Percent passing (hydrometer 1)	D422	31	45	--	--	--	--
Percent passing (hydrometer 2)	D422	9.1	11	--	--	--	--
Percent passing (hydrometer 3)	D422	3	5	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	68.9	68.2	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	100	--	--	--	--
Percent passing 50-micron sieve	D422	93.4	92	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	44	54	--	--	--	--
Percent passing 8.0 micron	D422	100	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	100	100	--	--	--	--
Percent retained 30-micron sieve	D422	97.6	99.5	--	--	--	--
Sand	D422	56.1	46	--	--	--	--
Silt	D422	44	54	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.057 U	0.055 U	0.056 U	0.051 U	0.028 U	0.057 U
Aroclor 1221	SW8082A	0.057 U	0.055 U	0.056 U	0.051 U	0.028 U	0.057 U
Aroclor 1232	SW8082A	0.057 U	0.055 U	0.056 U	0.051 U	0.028 U	0.057 U
Aroclor 1242	SW8082A	0.057 U	0.055 U	0.056 U	0.051 U	0.028 U	0.057 U
Aroclor 1248	SW8082A	0.057 U	0.055 U	0.056 U	0.051 U	0.028 U	0.057 U
Aroclor 1254	SW8082A	0.728	2.02	1.6	1.62	0.028 U	3.34
Aroclor 1260	SW8082A	4.02	7.16	7.7	7.5	2.7	15.6
Total PCB Aroclors (U = 0 max limit)		4.75	9.18	9.3	9.1	2.7	18.9

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-193-96-230516-00-01 5/16/2023	RB-W-194-18-230516-00-01 5/16/2023	RB-W-194-40-230516-00-01 5/16/2023	RB-W-194-66-221007-00-01 10/7/2022	RB-W-194-87-230516-00-01 5/16/2023	RB-W-195-11-221007-00-01 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.8	71.9	68.1	83.7	67.7	81.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.026 U	0.029 U	0.040 U	0.028 U	0.039 U
Aroclor 1221	SW8082A	0.027 U	0.026 U	0.029 U	0.040 U	0.028 U	0.039 U
Aroclor 1232	SW8082A	0.027 U	0.026 U	0.029 U	0.040 U	0.028 U	0.039 U
Aroclor 1242	SW8082A	0.027 U	0.026 U	0.029 U	0.040 U	0.028 U	0.039 U
Aroclor 1248	SW8082A	0.027 U	0.026 U	0.029 U	0.040 U	0.028 U	0.039 U
Aroclor 1254	SW8082A	0.027 U	0.026 U	0.029 U	0.040 U	0.028 U	0.444
Aroclor 1260	SW8082A	4.65	0.0825	3.51	0.152	2.07	1.07
Total PCB Aroclors (U = 0 max limit)		4.65	0.0825	3.51	0.152	2.07	1.51

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-195-33-230516-00-01 5/16/2023	RB-W-195-61-230516-00-01 5/16/2023	RB-W-195-85-230516-00-01 5/16/2023	RB-W-196-06-230516-00-01 5/16/2023	RB-W-196-30-230516-00-01 5/16/2023	RB-W-196-55-230516-00-01 5/16/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	30.5	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.9	71.5	71.2	71.3	69.6	71.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	6	--	--	--	--	--
Percent passing (hydrometer 1)	D422	12	--	--	--	--	--
Percent passing (hydrometer 2)	D422	2	--	--	--	--	--
Percent passing (hydrometer 3)	D422	0.93	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	95.8	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	28.7	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	93.3	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	94	--	--	--	--	--
Percent passing 50-micron sieve	D422	60.6	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	19	--	--	--	--	--
Percent passing 8.0 micron	D422	93.7	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	92.5	--	--	--	--	--
Percent retained 30-micron sieve	D422	89.3	--	--	--	--	--
Sand	D422	74.9	--	--	--	--	--
Silt	D422	19	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.027 U	0.026 U	0.028 U	0.029 U	0.027 U
Aroclor 1221	SW8082A	0.025 U	0.027 U	0.026 U	0.028 U	0.029 U	0.027 U
Aroclor 1232	SW8082A	0.025 U	0.027 U	0.026 U	0.028 U	0.029 U	0.027 U
Aroclor 1242	SW8082A	0.025 U	0.027 U	0.026 U	0.028 U	0.029 U	0.027 U
Aroclor 1248	SW8082A	0.025 U	0.027 U	0.026 U	0.028 U	0.029 U	0.027 U
Aroclor 1254	SW8082A	0.025 U	0.027 U	0.026 U	0.028 U	0.029 U	0.027 U
Aroclor 1260	SW8082A	0.62	32.9	2.86	1.75	1.89	4.99
Total PCB Aroclors (U = 0 max limit)		0.62	32.9	2.86	1.75	1.89	4.99

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-196-82-230516-00-01 5/16/2023	RB-W-197-12-221007-00-01 10/7/2022	RB-W-197-12-BD0001 10/7/2022	RB-W-197-36-221031-00-01 10/31/2022	RB-W-197-63-221007-00-01 10/7/2022	RB-W-197-96-221031-00-01 10/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.1	85.4	86.4	57.8	60.7	62.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.038 U	0.038 U	0.055 U	0.053 U	0.053 U
Aroclor 1221	SW8082A	0.027 U	0.038 U	0.038 U	0.055 U	0.053 U	0.053 U
Aroclor 1232	SW8082A	0.027 U	0.038 U	0.038 U	0.055 U	0.053 U	0.053 U
Aroclor 1242	SW8082A	0.027 U	0.038 U	0.038 U	0.055 U	0.053 U	0.053 U
Aroclor 1248	SW8082A	0.027 U	0.038 U	0.038 U	0.055 U	0.053 U	0.053 U
Aroclor 1254	SW8082A	0.027 U	1.21	0.889	2.07 J	1.81 J	2.02 J
Aroclor 1260	SW8082A	6.58	8.66	6.62	8.36	6.9	8.24
Total PCB Aroclors (U = 0 max limit)		6.58	9.87	7.51	10.4 J	8.7 J	10.3 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-198-22-221007-00-01 10/7/2022	RB-W-198-47-221031-00-01 10/31/2022	RB-W-198-76-221007-00-01 10/7/2022	RB-W-199-04-221031-00-01 10/31/2022	RB-W-199-04-BD0001 10/31/2022	RB-W-199-33-221007-00-01 10/7/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	48.2	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	57	67.8	56.6	56.7	49.5	53.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	31	--	--	--	--	--
Percent passing (hydrometer 2)	D422	8.9	--	--	--	--	--
Percent passing (hydrometer 3)	D422	3	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	54.8	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	90.1	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	39	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	99.9	--	--	--	--	--
Percent retained 30-micron sieve	D422	97.7	--	--	--	--	--
Sand	D422	61	--	--	--	--	--
Silt	D422	39	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.058 U	0.045 U	0.057 U	0.055 U	0.062 U	0.060 U
Aroclor 1221	SW8082A	0.058 U	0.045 U	0.057 U	0.055 U	0.062 U	0.060 U
Aroclor 1232	SW8082A	0.058 U	0.045 U	0.057 U	0.055 U	0.062 U	0.060 U
Aroclor 1242	SW8082A	0.058 U	0.045 U	0.057 U	0.055 U	0.062 U	0.060 U
Aroclor 1248	SW8082A	0.058 U	0.045 U	0.057 U	0.055 U	0.062 U	0.060 U
Aroclor 1254	SW8082A	0.999	4.27 J	1.29	1.92 J	3.22 J	1.55
Aroclor 1260	SW8082A	4.64	31.2	5.41	7.8	12.4 J	9.29
Total PCB Aroclors (U = 0 max limit)		5.64	35.5 J	6.7	9.7 J	15.6 J	10.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-199-59-221031-00-01 10/31/2022	RB-W-199-81-221007-00-01 10/7/2022	RB-W-200-08-221031-00-01 10/31/2022	RB-W-200-28-221010-00-01 10/10/2022	RB-W-200-51-230512-00-01 5/12/2023	RB-W-200-74-221010-00-01 10/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	50.9	60.9	60.8	68.8	64.5	84
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.059 U	0.053 U	0.050 U	0.045 U	0.029 U	0.037 U
Aroclor 1221	SW8082A	0.059 U	0.053 U	0.050 U	0.045 U	0.029 U	0.037 U
Aroclor 1232	SW8082A	0.059 U	0.053 U	0.050 U	0.045 U	0.029 U	0.037 U
Aroclor 1242	SW8082A	0.059 U	0.053 U	0.050 U	0.045 U	0.029 U	0.037 U
Aroclor 1248	SW8082A	0.059 U	0.053 U	0.050 U	0.045 U	0.029 U	0.037 U
Aroclor 1254	SW8082A	2.3 J	3.3	2.97 J	1.02	0.029 U	0.312
Aroclor 1260	SW8082A	8.79 J	13.7	11.4 J	7.13	7.36	3.52
Total PCB Aroclors (U = 0 max limit)		11 J	17	14.4 J	8.15	7.36	3.83

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-200-94-230512-00-01 5/12/2023	RB-W-201-17-221010-00-01 10/10/2022	RB-W-201-41-230512-00-01 5/12/2023	RB-W-201-62-221010-00-01 10/10/2022	RB-W-201-89-230512-00-01 5/12/2023	RB-W-202-11-221010-00-01 10/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	84.8	81	84.5	87.8	75	85.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.037 U	0.022 U	0.035 U	0.026 U	0.036 U
Aroclor 1221	SW8082A	0.023 U	0.037 U	0.022 U	0.035 U	0.026 U	0.036 U
Aroclor 1232	SW8082A	0.023 U	0.037 U	0.022 U	0.035 U	0.026 U	0.036 U
Aroclor 1242	SW8082A	0.023 U	0.037 U	0.022 U	0.035 U	0.026 U	0.036 U
Aroclor 1248	SW8082A	0.023 U	0.037 U	0.022 U	0.035 U	0.026 U	0.036 U
Aroclor 1254	SW8082A	0.023 U	0.842	0.022 U	0.415	0.026 U	0.735 J
Aroclor 1260	SW8082A	14.3	9.81	10.8	5.09	10.6	9.44
Total PCB Aroclors (U = 0 max limit)		14.3	10.7	10.8	5.51	10.6	10.2 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-202-40-230512-00-01 5/12/2023	RB-W-202-40-BD0001 5/12/2023	RB-W-202-65-221010-00-01 10/10/2022	RB-W-202-98-230512-00-01 5/12/2023	RB-W-203-32-221010-00-01 10/10/2022	RB-W-203-60-221031-00-01 10/31/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	66.2	17.9	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	90	90.7	83.3	63.3	86.2	60.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	0	--
Percent passing (hydrometer 1)	D422	--	--	--	26	13	--
Percent passing (hydrometer 2)	D422	--	--	--	6	4.9	--
Percent passing (hydrometer 3)	D422	--	--	--	4.8	2.9	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	45.7	23.4	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	100	--
Percent passing 50-micron sieve	D422	--	--	--	81.6	69.2	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	33.2	13.1	--
Percent passing 8.0 micron	D422	--	--	--	100	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	99.9	--
Percent retained 30-micron sieve	D422	--	--	--	94.8	97.4	--
Sand	D422	--	--	--	66.8	86.9	--
Silt	D422	--	--	--	33.2	13.1	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.021 U	0.021 U	0.040 U	0.031 U	0.036 U	0.049 U
Aroclor 1221	SW8082A	0.021 U	0.021 U	0.040 U	0.031 U	0.036 U	0.049 U
Aroclor 1232	SW8082A	0.021 U	0.021 U	0.040 U	0.031 U	0.036 U	0.049 U
Aroclor 1242	SW8082A	0.021 U	0.021 U	0.040 U	0.031 U	0.036 U	0.049 U
Aroclor 1248	SW8082A	0.021 U	0.021 U	0.040 U	0.031 U	0.036 U	0.049 U
Aroclor 1254	SW8082A	0.021 U	0.021 U	0.765	0.031 U	0.466 J	1.48
Aroclor 1260	SW8082A	17.7	17.5	7.19	5.22	5.59	8.07
Total PCB Aroclors (U = 0 max limit)		17.7	17.5	7.96	5.22	6.06 J	9.55

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-203-97-221010-00-01 10/10/2022	RB-W-204-22-221031-00-01 10/31/2022	RB-W-204-58-221010-00-01 10/10/2022	RB-W-204-81-221010-00-01 10/10/2022	RB-W-205-15-221031-00-01 10/31/2022	RB-W-205-45-221010-00-01 10/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	14.1	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	79	62.7	85.5	66.9	87.1	77.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	6	--
Percent passing (hydrometer 2)	D422	--	--	--	--	5	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	24.2	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	82.7	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	11.8	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	100	--
Percent retained 30-micron sieve	D422	--	--	--	--	99.6	--
Sand	D422	--	--	--	--	88.2	--
Silt	D422	--	--	--	--	11.8	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.049 U	0.038 U	0.045 U	0.037 U	0.040 U
Aroclor 1221	SW8082A	0.038 U	0.049 U	0.038 U	0.045 U	0.037 U	0.040 U
Aroclor 1232	SW8082A	0.038 U	0.049 U	0.038 U	0.045 U	0.037 U	0.040 U
Aroclor 1242	SW8082A	0.038 U	0.049 U	0.038 U	0.045 U	0.037 U	0.040 U
Aroclor 1248	SW8082A	0.038 U	0.049 U	0.038 U	0.045 U	0.037 U	0.040 U
Aroclor 1254	SW8082A	0.653	2.33 J	0.934	0.546 J	1.34 J	0.449
Aroclor 1260	SW8082A	5.78	10.4 J	13.9	5.33	7.42	3.5
Total PCB Aroclors (U = 0 max limit)		6.43	12.7 J	14.8	5.88 J	8.76 J	3.9

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-205-77-230512-00-01 5/12/2023	RB-W-206-09-221010-00-01 10/10/2022	RB-W-206-43-221010-00-01 10/10/2022	RB-W-207-07-221028-00-01 10/28/2022	RB-W-207-42-221010-00-01 10/10/2022	RB-W-207-72-221028-00-01 10/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	69	74	48.9	77.8	62.1	82.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.044 U	0.064 U	0.043 U	0.049 U	0.038 U
Aroclor 1221	SW8082A	0.027 U	0.044 U	0.064 U	0.043 U	0.049 U	0.038 U
Aroclor 1232	SW8082A	0.027 U	0.044 U	0.064 U	0.043 U	0.049 U	0.038 U
Aroclor 1242	SW8082A	0.027 U	0.044 U	0.064 U	0.043 U	0.049 U	0.038 U
Aroclor 1248	SW8082A	0.027 U	0.044 U	0.064 U	0.043 U	0.049 U	0.038 U
Aroclor 1254	SW8082A	0.027 U	0.954	0.506	0.74	1.73	0.496
Aroclor 1260	SW8082A	12	7.25	3.2	3.58	8.05	2.68
Total PCB Aroclors (U = 0 max limit)		12	8.2	3.7	4.3	9.78	3.18

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-207-93-221010-00-01 10/10/2022	RB-W-208-20-221028-00-01 10/28/2022	RB-W-208-45-221010-00-01 10/10/2022	RB-W-208-69-221028-00-01 10/28/2022	RB-W-208-91-221010-00-01 10/10/2022	RB-W-208-91-BD0001 10/10/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	58	83.9	77	82.5	75.3	70.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.057 U	0.037 U	0.042 U	0.040 U	0.044 U	0.045 U
Aroclor 1221	SW8082A	0.057 U	0.037 U	0.042 U	0.040 U	0.044 U	0.045 U
Aroclor 1232	SW8082A	0.057 U	0.037 U	0.042 U	0.040 U	0.044 U	0.045 U
Aroclor 1242	SW8082A	0.057 U	0.037 U	0.042 U	0.040 U	0.044 U	0.045 U
Aroclor 1248	SW8082A	0.057 U	0.037 U	0.042 U	0.040 U	0.044 U	0.045 U
Aroclor 1254	SW8082A	0.895	0.762	1.07	1.21	0.952	1.05
Aroclor 1260	SW8082A	5.32	5.47	6.12	7.38	6.62	5.87
Total PCB Aroclors (U = 0 max limit)		6.22	6.23	7.19	8.59	7.57	6.92

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-209-16-221028-00-01 10/28/2022	RB-W-209-42-221010-00-01 10/10/2022	RB-W-209-64-221028-00-01 10/28/2022	RB-W-209-87-221011-00-01 10/11/2022	RB-W-210-08-221028-00-01 10/28/2022	RB-W-210-29-221011-00-01 10/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	78.5	57.5	85.3	70.2	69.7	71.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.058 U	0.036 U	0.044 U	0.048 U	0.045 U
Aroclor 1221	SW8082A	0.041 U	0.058 U	0.036 U	0.044 U	0.048 U	0.045 U
Aroclor 1232	SW8082A	0.041 U	0.058 U	0.036 U	0.044 U	0.048 U	0.045 U
Aroclor 1242	SW8082A	0.041 U	0.058 U	0.036 U	0.044 U	0.048 U	0.045 U
Aroclor 1248	SW8082A	0.041 U	0.058 U	0.036 U	0.044 U	0.048 U	0.045 U
Aroclor 1254	SW8082A	0.938	1.27	0.925	1.46	0.909	2.19
Aroclor 1260	SW8082A	4.91	7.89	5.3	5.7	4.62	9.12
Total PCB Aroclors (U = 0 max limit)		5.85	9.16	6.2	7.2	5.53	11.3

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-210-56-221028-00-01 10/28/2022	RB-W-210-76-221011-00-01 10/11/2022	RB-W-210-98-221028-00-01 10/28/2022	RB-W-211-19-221011-00-01 10/11/2022	RB-W-211-48-221028-00-01 10/28/2022	RB-W-211-64-221011-00-01 10/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	1.8	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	36.3	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64.5	61.2	79.9	68	74.7	74.8
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	69	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	19	--
Percent passing (hydrometer 2)	D422	--	--	--	--	10	--
Percent passing (hydrometer 3)	D422	--	--	--	--	4.8	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	56	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	96.2	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	38.2	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	100	--
Percent retained 30-micron sieve	D422	--	--	--	--	98.3	--
Sand	D422	--	--	--	--	61.8	--
Silt	D422	--	--	--	--	38.2	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.054 U	0.040 U	0.045 U	0.043 U	0.044 U
Aroclor 1221	SW8082A	0.051 U	0.054 U	0.040 U	0.045 U	0.043 U	0.044 U
Aroclor 1232	SW8082A	0.051 U	0.054 U	0.040 U	0.045 U	0.043 U	0.044 U
Aroclor 1242	SW8082A	0.051 U	0.054 U	0.040 U	0.045 U	0.043 U	0.044 U
Aroclor 1248	SW8082A	0.051 U	0.054 U	0.040 U	0.045 U	0.043 U	0.044 U
Aroclor 1254	SW8082A	1.97	1.95	1.42	1.69	1.35	0.0418 J
Aroclor 1260	SW8082A	11.3	8.19	9.38	8.7	7.89	0.2
Total PCB Aroclors (U = 0 max limit)		13.3	10.1	10.8	10	9.24	0.24 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-211-88-221028-00-01 10/28/2022	RB-W-212-12-221011-00-01 10/11/2022	RB-W-212-37-221028-00-01 10/28/2022	RB-W-212-57-221011-00-01 10/11/2022	RB-W-212-85-221028-00-01 10/28/2022	RB-W-213-09-221011-00-01 10/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	36.1	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	75.9	76.4	79	80.6	75.8	76.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	19	--	--	--	--
Percent passing (hydrometer 2)	D422	--	8	--	--	--	--
Percent passing (hydrometer 3)	D422	--	4	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	37.1	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	87.4	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	24.5	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.9	--	--	--	--
Percent retained 30-micron sieve	D422	--	98.8	--	--	--	--
Sand	D422	--	75.5	--	--	--	--
Silt	D422	--	24.5	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.044 U	0.040 U	0.041 U	0.043 U	0.042 U
Aroclor 1221	SW8082A	0.043 U	0.044 U	0.040 U	0.041 U	0.043 U	0.042 U
Aroclor 1232	SW8082A	0.043 U	0.044 U	0.040 U	0.041 U	0.043 U	0.042 U
Aroclor 1242	SW8082A	0.043 U	0.044 U	0.040 U	0.041 U	0.043 U	0.042 U
Aroclor 1248	SW8082A	0.043 U	0.044 U	0.040 U	0.041 U	0.043 U	0.042 U
Aroclor 1254	SW8082A	2.5	1.41	1.02 J	2.81 J	2.8 J	1.89
Aroclor 1260	SW8082A	15.2	6.29	6.7 J	29.6	8.26 J	14.3
Total PCB Aroclors (U = 0 max limit)		18	7.7	7.7 J	32.4 J	11 J	16.2

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-213-33-230512-00-01 5/12/2023	RB-W-213-59-221011-00-01 10/11/2022	RB-W-213-84-221028-00-01 10/28/2022	RB-W-214-07-221011-00-01 10/11/2022	RB-W-214-07-BD0001 10/11/2022	RB-W-214-33-221028-00-01 10/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	61.2	82	58	66.6	59.5	69.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.030 U	0.040 U	0.054 U	0.050 U	0.056 U	0.045 U
Aroclor 1221	SW8082A	0.030 U	0.040 U	0.054 U	0.050 U	0.056 U	0.045 U
Aroclor 1232	SW8082A	0.030 U	0.040 U	0.054 U	0.050 U	0.056 U	0.045 U
Aroclor 1242	SW8082A	0.030 U	0.040 U	0.054 U	0.050 U	0.056 U	0.045 U
Aroclor 1248	SW8082A	0.030 U	0.040 U	0.054 U	0.050 U	0.056 U	0.045 U
Aroclor 1254	SW8082A	0.030 U	2.06	1.51 J	1.57	1.6	1.81 J
Aroclor 1260	SW8082A	8.85	13	7.7 J	8.39	7.62	10.2 J
Total PCB Aroclors (U = 0 max limit)		8.85	15	9.2 J	9.96	9.2	12.0 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-214-60-221011-00-01 10/11/2022	RB-W-214-83-221028-00-01 10/28/2022	RB-W-215-11-221011-00-01 10/11/2022	RB-W-215-32-221028-00-01 10/28/2022	RB-W-215-57-221011-00-01 10/11/2022	RB-W-215-76-221028-00-01 10/28/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	39.7	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	63.5	77.9	66.5	70.8	71.4	79.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	20	--	--
Percent passing (hydrometer 2)	D422	--	--	--	5	--	--
Percent passing (hydrometer 3)	D422	--	--	--	5	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	51.8	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	92.6	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	31.7	--	--
Percent passing 8.0 micron	D422	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	99.1	--	--
Sand	D422	--	--	--	68.3	--	--
Silt	D422	--	--	--	31.7	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.050 U	0.042 U	0.049 U	0.045 U	0.042 U	0.041 U
Aroclor 1221	SW8082A	0.050 U	0.042 U	0.049 U	0.045 U	0.042 U	0.041 U
Aroclor 1232	SW8082A	0.050 U	0.042 U	0.049 U	0.045 U	0.042 U	0.041 U
Aroclor 1242	SW8082A	0.050 U	0.042 U	0.049 U	0.045 U	0.042 U	0.041 U
Aroclor 1248	SW8082A	0.050 U	0.042 U	0.049 U	0.045 U	0.042 U	0.041 U
Aroclor 1254	SW8082A	1.78	1.35 J	1.31	0.915 J	1.1	1.33 J
Aroclor 1260	SW8082A	6.98	8.72 J	5.63	5.02 J	6.23	7.4 J
Total PCB Aroclors (U = 0 max limit)		8.76	10.1 J	6.94	5.94 J	7.3	8.7 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-216-01-221011-00-01 10/11/2022	RB-W-216-18-221028-00-01 10/28/2022	RB-W-216-18-BD0001 10/28/2022	RB-W-216-38-221011-00-01 10/11/2022	RB-W-216-57-221025-00-01 10/25/2022	RB-W-216-77-221011-00-01 10/11/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.2	77.1	78	78.9	77.7	71.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.039 U	0.042 U	0.040 U	0.041 U	0.045 U
Aroclor 1221	SW8082A	0.043 U	0.039 U	0.042 U	0.040 U	0.041 U	0.045 U
Aroclor 1232	SW8082A	0.043 U	0.039 U	0.042 U	0.040 U	0.041 U	0.045 U
Aroclor 1242	SW8082A	0.043 U	0.039 U	0.042 U	0.040 U	0.041 U	0.045 U
Aroclor 1248	SW8082A	0.043 U	0.039 U	0.042 U	0.040 U	0.041 U	0.045 U
Aroclor 1254	SW8082A	0.84	2.69 J	2.17 J	1.39	1.81 J	0.358
Aroclor 1260	SW8082A	4.43	23.4 J	14.5 J	8.6	10.1 J	2.17
Total PCB Aroclors (U = 0 max limit)		5.3	26.1 J	16.7 J	10	11.9 J	2.53

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-217-02-230512-00-01 5/12/2023	RB-W-217-02-BD0001 5/12/2023	RB-W-217-21-221011-00-01 10/11/2022	RB-W-217-41-221025-00-01 10/25/2022	RB-W-217-62-221011-00-01 10/11/2022	RB-W-217-86-221025-00-01 10/25/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72	66.5	77.5	74.2	71.3	76.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.028 U	0.029 U	0.042 U	0.045 U	0.045 U	0.043 U
Aroclor 1221	SW8082A	0.028 U	0.029 U	0.042 U	0.045 U	0.045 U	0.043 U
Aroclor 1232	SW8082A	0.028 U	0.029 U	0.042 U	0.045 U	0.045 U	0.043 U
Aroclor 1242	SW8082A	0.028 U	0.029 U	0.042 U	0.045 U	0.045 U	0.043 U
Aroclor 1248	SW8082A	0.028 U	0.029 U	0.042 U	0.045 U	0.045 U	0.043 U
Aroclor 1254	SW8082A	0.028 U	0.029 U	0.872	2.15 J	1.65	1.35 J
Aroclor 1260	SW8082A	3.19 J	6.92 J	4.85	10.5 J	10.9	7.29 J
Total PCB Aroclors (U = 0 max limit)		3.19 J	6.92 J	5.72	12.7 J	12.6	8.64 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-218-09-221011-00-01 10/11/2022	RB-W-218-26-221025-00-01 10/25/2022	RB-W-218-48-221011-00-01 10/11/2022	RB-W-218-70-221025-00-01 10/25/2022	RB-W-218-81-221011-00-01 10/11/2022	RB-W-219-01-221025-00-01 10/25/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	33.7	--	--	--	--	21
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.7	82.3	71.3	69.4	84.9	81.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	0
Percent passing (hydrometer 1)	D422	36	--	--	--	--	11
Percent passing (hydrometer 2)	D422	14	--	--	--	--	6
Percent passing (hydrometer 3)	D422	6	--	--	--	--	3
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	61	--	--	--	--	30.3
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	94.3
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	100
Percent passing 50-micron sieve	D422	98.2	--	--	--	--	61.4
Percent passing 75-micron sieve (No. 200)	D422	48.6	--	--	--	--	17.4
Percent passing 8.0 micron	D422	100	--	--	--	--	98
Percent retained 16,000-micron sieve	D422	100	--	--	--	--	91
Percent retained 30-micron sieve	D422	99.2	--	--	--	--	80.4
Sand	D422	51.4	--	--	--	--	82.6
Silt	D422	48.6	--	--	--	--	17.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.039 U	0.044 U	0.047 U	0.038 U	0.039 U
Aroclor 1221	SW8082A	0.043 U	0.039 U	0.044 U	0.047 U	0.038 U	0.039 U
Aroclor 1232	SW8082A	0.043 U	0.039 U	0.044 U	0.047 U	0.038 U	0.039 U
Aroclor 1242	SW8082A	0.043 U	0.039 U	0.044 U	0.047 U	0.038 U	0.039 U
Aroclor 1248	SW8082A	0.043 U	0.039 U	0.044 U	0.047 U	0.038 U	0.039 U
Aroclor 1254	SW8082A	0.994	1.03 J	0.598	2.31 J	0.0382	0.111 J
Aroclor 1260	SW8082A	6.61	4.89 J	3.44	14 J	0.164	0.511 J
Total PCB Aroclors (U = 0 max limit)		7.6	5.92 J	4.04	16 J	0.202	0.622 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-219-22-221011-00-01 10/11/2022	RB-W-219-40-221025-00-01 10/25/2022	RB-W-219-64-221011-00-01 10/11/2022	RB-W-219-86-221025-00-01 10/25/2022	RB-W-220-14-221011-00-01 10/11/2022	RB-W-220-37-221025-00-01 10/25/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	33.8	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	81.1	76.3	78.6	82.3	73.7	74.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	22	--
Percent passing (hydrometer 2)	D422	--	--	--	--	10	--
Percent passing (hydrometer 3)	D422	--	--	--	--	4	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	53.8	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	93.8	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	34.7	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.9	--
Percent retained 30-micron sieve	D422	--	--	--	--	98.9	--
Sand	D422	--	--	--	--	65.3	--
Silt	D422	--	--	--	--	34.7	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.043 U	0.041 U	0.039 U	0.045 U	0.042 U
Aroclor 1221	SW8082A	0.039 U	0.043 U	0.041 U	0.039 U	0.045 U	0.042 U
Aroclor 1232	SW8082A	0.039 U	0.043 U	0.041 U	0.039 U	0.045 U	0.042 U
Aroclor 1242	SW8082A	0.039 U	0.043 U	0.041 U	0.039 U	0.045 U	0.042 U
Aroclor 1248	SW8082A	0.039 U	0.043 U	0.041 U	0.039 U	0.045 U	0.042 U
Aroclor 1254	SW8082A	0.164	0.832 J	1.19	2.1 J	0.308	1.41 J
Aroclor 1260	SW8082A	0.59	5.32 J	8.88	12.1 J	1.85	7.28 J
Total PCB Aroclors (U = 0 max limit)		0.75	6.15 J	10.1	14 J	2.16	8.69 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-220-65-221011-00-01 10/11/2022	RB-W-220-86-221025-00-01 10/25/2022	RB-W-221-10-221011-00-01 10/11/2022	RB-W-221-35-221025-00-01 10/25/2022	RB-W-221-59-221011-00-01 10/11/2022	RB-W-221-83-221025-00-01 10/25/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	73.3	73.4	70.2	75.4	76.9	62
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.043 U	0.047 U	0.044 U	0.041 U	0.052 U
Aroclor 1221	SW8082A	0.043 U	0.043 U	0.047 U	0.044 U	0.041 U	0.052 U
Aroclor 1232	SW8082A	0.043 U	0.043 U	0.047 U	0.044 U	0.041 U	0.052 U
Aroclor 1242	SW8082A	0.043 U	0.043 U	0.047 U	0.044 U	0.041 U	0.052 U
Aroclor 1248	SW8082A	0.043 U	0.043 U	0.047 U	0.044 U	0.041 U	0.052 U
Aroclor 1254	SW8082A	2.44	1.35 J	2.04	1.31 J	0.888	1.69 J
Aroclor 1260	SW8082A	12.4	6.65 J	10.3	8.09 J	5.12	7.03 J
Total PCB Aroclors (U = 0 max limit)		14.8	8.00 J	12.3	9.40 J	6.01	8.72 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-222-04-221011-00-01 10/11/2022	RB-W-222-100-230512-00-01 5/12/2023	RB-W-222-24-221025-00-01 10/25/2022	RB-W-222-44-221011-00-01 10/11/2022	RB-W-222-65-221025-00-01 10/25/2022	RB-W-222-65-BD0001 10/25/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	63.3	57.4	57.7	69.4	66.2	65.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.051 U	0.034 U	0.056 U	0.046 U	0.048 U	0.050 U
Aroclor 1221	SW8082A	0.051 U	0.034 U	0.056 U	0.046 U	0.048 U	0.050 U
Aroclor 1232	SW8082A	0.051 U	0.034 U	0.056 U	0.046 U	0.048 U	0.050 U
Aroclor 1242	SW8082A	0.051 U	0.034 U	0.056 U	0.046 U	0.048 U	0.050 U
Aroclor 1248	SW8082A	0.051 U	0.034 U	0.056 U	0.046 U	0.048 U	0.050 U
Aroclor 1254	SW8082A	1.51	0.034 U	1.63 J	1.63	1.78	1.46
Aroclor 1260	SW8082A	7.32	5.01	7.46 J	9.2	7.67	6.46
Total PCB Aroclors (U = 0 max limit)		8.83	5.01	9.09 J	11	9.45	7.92

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-222-83-221012-00-01 10/12/2022	RB-W-223-19-230512-00-01 5/12/2023	RB-W-223-34-230512-00-01 5/12/2023	RB-W-223-57-221012-00-01 10/12/2022	RB-W-223-76-230512-00-01 5/12/2023	RB-W-223-90-221012-00-01 10/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	71.6	73	58.6	79.7	56.7	72.2
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.026 U	0.032 U	0.039 U	0.033 U	0.044 U
Aroclor 1221	SW8082A	0.047 U	0.026 U	0.032 U	0.039 U	0.033 U	0.044 U
Aroclor 1232	SW8082A	0.047 U	0.026 U	0.032 U	0.039 U	0.033 U	0.044 U
Aroclor 1242	SW8082A	0.047 U	0.026 U	0.032 U	0.039 U	0.033 U	0.044 U
Aroclor 1248	SW8082A	0.047 U	0.026 U	0.032 U	0.039 U	0.033 U	0.044 U
Aroclor 1254	SW8082A	2.4	0.026 U	0.032 U	0.039 U	0.033 U	0.044 U
Aroclor 1260	SW8082A	10.1	4.1	4.97	0.0894	28.6	0.0322 J
Total PCB Aroclors (U = 0 max limit)		13	4.1	4.97	0.0894	28.6	0.0322 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-224-07-230516-00-01 5/16/2023	RB-W-224-26-230512-00-01 5/12/2023	RB-W-224-46-221012-00-01 10/12/2022	RB-W-224-66-230516-00-01 5/16/2023	RB-W-224-92-221012-00-01 10/12/2022	RB-W-225-18-230516-00-01 5/16/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	40.4	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	56	63.7	74.8	65.8	77.4	56.1
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	24	--
Percent passing (hydrometer 2)	D422	--	--	--	--	9	--
Percent passing (hydrometer 3)	D422	--	--	--	--	6	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	62.8	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	94.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	35.8	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.9	--
Percent retained 30-micron sieve	D422	--	--	--	--	98.4	--
Sand	D422	--	--	--	--	64.2	--
Silt	D422	--	--	--	--	35.8	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.031 U	0.043 U	0.029 U	0.043 U	0.034 U
Aroclor 1221	SW8082A	0.036 U	0.031 U	0.043 U	0.029 U	0.043 U	0.034 U
Aroclor 1232	SW8082A	0.036 U	0.031 U	0.043 U	0.029 U	0.043 U	0.034 U
Aroclor 1242	SW8082A	0.036 U	0.031 U	0.043 U	0.029 U	0.043 U	0.034 U
Aroclor 1248	SW8082A	0.036 U	0.031 U	0.043 U	0.029 U	0.043 U	0.034 U
Aroclor 1254	SW8082A	0.036 U	0.031 U	0.429	0.029 U	0.176	0.034 U
Aroclor 1260	SW8082A	10.4	4.74	2.8	10.5	2.13	9.3
Total PCB Aroclors (U = 0 max limit)		10.4	4.74	3.2	10.5	2.31	9.3

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-225-44-221012-00-01 10/12/2022	RB-W-225-44-BD0001 10/12/2022	RB-W-225-76-230516-00-01 5/16/2023	RB-W-226-03-221012-00-01 10/12/2022	RB-W-226-36-221024-00-01 10/24/2022	RB-W-226-60-221012-00-01 10/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	61.9	67	61.9	73.6	67.1	70.3
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.053 U	0.048 U	0.030 U	0.044 U	0.049 U	0.047 U
Aroclor 1221	SW8082A	0.053 U	0.048 U	0.030 U	0.044 U	0.049 U	0.047 U
Aroclor 1232	SW8082A	0.053 U	0.048 U	0.030 U	0.044 U	0.049 U	0.047 U
Aroclor 1242	SW8082A	0.053 U	0.048 U	0.030 U	0.044 U	0.049 U	0.047 U
Aroclor 1248	SW8082A	0.053 U	0.048 U	0.030 U	0.044 U	0.049 U	0.047 U
Aroclor 1254	SW8082A	57.1 J	18.6 J	0.030 U	1.49	17.3 J	1.38
Aroclor 1260	SW8082A	179 J	56 J	0.377	5.77	154 J	5.6
Total PCB Aroclors (U = 0 max limit)		236 J	75 J	0.377	7.26	171 J	7

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-226-81-221024-00-01 10/24/2022	RB-W-226-81-BD0001 10/24/2022	RB-W-227-02-221012-00-01 10/12/2022	RB-W-227-28-221024-00-01 10/24/2022	RB-W-227-62-221012-00-01 10/12/2022	RB-W-227-96-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	42.2
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.5	72.5	72.9	59.9	66.1	68.9
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	17
Percent passing (hydrometer 2)	D422	--	--	--	--	--	9.1
Percent passing (hydrometer 3)	D422	--	--	--	--	--	3
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	56.6
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	89.2
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	39.5
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	96.8
Percent retained 30-micron sieve	D422	--	--	--	--	--	95.1
Sand	D422	--	--	--	--	--	74.2
Silt	D422	--	--	--	--	--	25.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.045 U	0.044 U	0.053 U	0.049 U	0.046 U
Aroclor 1221	SW8082A	0.045 U	0.045 U	0.044 U	0.053 U	0.049 U	0.046 U
Aroclor 1232	SW8082A	0.045 U	0.045 U	0.044 U	0.053 U	0.049 U	0.046 U
Aroclor 1242	SW8082A	0.045 U	0.045 U	0.044 U	0.053 U	0.049 U	0.046 U
Aroclor 1248	SW8082A	0.045 U	0.045 U	0.044 U	0.053 U	0.049 U	0.046 U
Aroclor 1254	SW8082A	1.57 J	1.17 J	0.985	4.7 J	2.2	1.72 J
Aroclor 1260	SW8082A	9.45 J	5.85 J	4.36	18.1 J	9.33	8.12 J
Total PCB Aroclors (U = 0 max limit)		11.0 J	7.02 J	5.35	23 J	12	9.84 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-228-26-221012-00-01 10/12/2022	RB-W-228-69-221024-00-01 10/24/2022	RB-W-229-04-221012-00-01 10/12/2022	RB-W-229-38-221024-00-01 10/24/2022	RB-W-229-66-221012-00-01 10/12/2022	RB-W-229-91-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	36.8	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	76.3	64.8	71.5	75.5	72.2	69.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	12	--
Percent passing (hydrometer 2)	D422	--	--	--	--	4	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3.1	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	27.3	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	67.5	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	18.6	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	99.8	--
Percent retained 30-micron sieve	D422	--	--	--	--	97	--
Sand	D422	--	--	--	--	81.4	--
Silt	D422	--	--	--	--	18.6	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.051 U	0.046 U	0.042 U	0.044 U	0.047 U
Aroclor 1221	SW8082A	0.041 U	0.051 U	0.046 U	0.042 U	0.044 U	0.047 U
Aroclor 1232	SW8082A	0.041 U	0.051 U	0.046 U	0.042 U	0.044 U	0.047 U
Aroclor 1242	SW8082A	0.041 U	0.051 U	0.046 U	0.042 U	0.044 U	0.047 U
Aroclor 1248	SW8082A	0.041 U	0.051 U	0.046 U	0.042 U	0.044 U	0.047 U
Aroclor 1254	SW8082A	3.29 J	1.93 J	3.3	1.66 J	1.38	1.77 J
Aroclor 1260	SW8082A	12.1 J	7.06 J	6.43	7.92 J	6.76	12.6 J
Total PCB Aroclors (U = 0 max limit)		15.4 J	8.99 J	9.7	9.58 J	8.14	14.4 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-230-17-221012-00-01 10/12/2022	RB-W-230-41-230517-00-01 5/17/2023	RB-W-230-69-221012-00-01 10/12/2022	RB-W-230-94-221024-00-01 10/24/2022	RB-W-231-26-221012-00-01 10/12/2022	RB-W-231-50-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	59.6	70.5	72	75.5	69.6	81.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.053 U	0.027 U	0.044 U	0.041 U	0.046 U	0.040 U
Aroclor 1221	SW8082A	0.053 U	0.027 U	0.044 U	0.041 U	0.046 U	0.040 U
Aroclor 1232	SW8082A	0.053 U	0.027 U	0.044 U	0.041 U	0.046 U	0.040 U
Aroclor 1242	SW8082A	0.053 U	0.027 U	0.044 U	0.041 U	0.046 U	0.040 U
Aroclor 1248	SW8082A	0.053 U	0.027 U	0.044 U	0.041 U	0.046 U	0.040 U
Aroclor 1254	SW8082A	14.1	0.027 U	7.83	0.477 J	3.18	0.979 J
Aroclor 1260	SW8082A	60.4	5.39	38.1	2.64 J	15.2	5.19 J
Total PCB Aroclors (U = 0 max limit)		74.5	5.39	45.9	3.12 J	18.4	6.17 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-231-84-221012-00-01 10/12/2022	RB-W-232-12-221024-00-01 10/24/2022	RB-W-232-41-221012-00-01 10/12/2022	RB-W-232-66-221024-00-01 10/24/2022	RB-W-232-90-221012-00-01 10/12/2022	RB-W-233-16-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	59.2	59.7	74.5	69.8	70.2	55.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.056 U	0.055 U	0.044 U	0.047 U	0.045 U	0.058 U
Aroclor 1221	SW8082A	0.056 U	0.055 U	0.044 U	0.047 U	0.045 U	0.058 U
Aroclor 1232	SW8082A	0.056 U	0.055 U	0.044 U	0.047 U	0.045 U	0.058 U
Aroclor 1242	SW8082A	0.056 U	0.055 U	0.044 U	0.047 U	0.045 U	0.058 U
Aroclor 1248	SW8082A	0.056 U	0.055 U	0.044 U	0.047 U	0.045 U	0.058 U
Aroclor 1254	SW8082A	3.52	1.74 J	2.38	1.4 J	3.14	2.29 J
Aroclor 1260	SW8082A	13.1	9.5 J	13.2	6.46 J	13.4	7.36 J
Total PCB Aroclors (U = 0 max limit)		16.6	11 J	15.6	7.9 J	16.5	9.65 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-233-45-221012-00-01 10/12/2022	RB-W-233-68-221024-00-01 10/24/2022	RB-W-233-96-221012-00-01 10/12/2022	RB-W-234-25-221024-00-01 10/24/2022	RB-W-234-33-221012-00-01 10/12/2022	RB-W-235-10-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70	76.1	78.6	53.5	71	64.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.043 U	0.040 U	0.058 U	0.046 U	0.051 U
Aroclor 1221	SW8082A	0.045 U	0.043 U	0.040 U	0.058 U	0.046 U	0.051 U
Aroclor 1232	SW8082A	0.045 U	0.043 U	0.040 U	0.058 U	0.046 U	0.051 U
Aroclor 1242	SW8082A	0.045 U	0.043 U	0.040 U	0.058 U	0.046 U	0.051 U
Aroclor 1248	SW8082A	0.045 U	0.043 U	0.040 U	0.058 U	0.046 U	0.051 U
Aroclor 1254	SW8082A	0.608	1.26 J	2 J	2.1 J	1.87	3.04 J
Aroclor 1260	SW8082A	3.86	5.97 J	11.1 J	9.77 J	9.73	21.8 J
Total PCB Aroclors (U = 0 max limit)		4.47	7.23 J	13 J	12 J	11.6	24.8 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-235-18-221012-00-01 10/12/2022	RB-W-235-29-221024-00-01 10/24/2022	RB-W-235-37-221012-00-01 10/12/2022	RB-W-235-50-230517-00-01 5/17/2023	RB-W-235-63-230517-00-01 5/17/2023	RB-W-235-79-221012-00-01 10/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	1.5	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	95.9	--	37.5	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	54.2	54.5	72.3	59.6	82.1	75.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	42	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	0	--	--
Percent passing (hydrometer 1)	D422	--	26	--	18	--	--
Percent passing (hydrometer 2)	D422	--	13	--	4	--	--
Percent passing (hydrometer 3)	D422	--	4.9	--	1.0 J	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	58.9	--	41.5	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	100	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	100	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	100	--	--
Percent passing 50-micron sieve	D422	--	87.2	--	78	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	46.9	--	28.2	--	--
Percent passing 8.0 micron	D422	--	100	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	96.8	--	100	--	--
Percent retained 30-micron sieve	D422	--	93.5	--	96	--	--
Sand	D422	--	53.1	--	71.8	--	--
Silt	D422	--	46.9	--	28.2	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.061 U	0.061 U	0.044 U	0.032 U	0.023 U	0.044 U
Aroclor 1221	SW8082A	0.061 U	0.061 U	0.044 U	0.032 U	0.023 U	0.044 U
Aroclor 1232	SW8082A	0.061 U	0.061 U	0.044 U	0.032 U	0.023 U	0.044 U
Aroclor 1242	SW8082A	0.061 U	0.061 U	0.044 U	0.032 U	0.023 U	0.044 U
Aroclor 1248	SW8082A	0.061 U	0.061 U	0.044 U	0.032 U	0.023 U	0.044 U
Aroclor 1254	SW8082A	1.61	2.09 J	2.27 J	0.032 U	0.023 U	0.358
Aroclor 1260	SW8082A	6.54	9.86 J	7.97	1.87	5.07	2.08
Total PCB Aroclors (U = 0 max limit)		8.15	12.0 J	10.2 J	1.87	5.07	2.44

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-235-79-BD0001 10/12/2022	RB-W-236-04-230517-00-01 5/17/2023	RB-W-236-22-230517-00-01 5/17/2023	RB-W-236-35-230517-00-01 5/17/2023	RB-W-236-47-221012-00-01 10/12/2022	RB-W-236-58-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	77.7	84.2	85	94.3	76.2	70.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.022 U	0.023 U	0.020 U	0.043 U	0.047 U
Aroclor 1221	SW8082A	0.042 U	0.022 U	0.023 U	0.020 U	0.043 U	0.047 U
Aroclor 1232	SW8082A	0.042 U	0.022 U	0.023 U	0.020 U	0.043 U	0.047 U
Aroclor 1242	SW8082A	0.042 U	0.022 U	0.023 U	0.020 U	0.043 U	0.047 U
Aroclor 1248	SW8082A	0.042 U	0.022 U	0.023 U	0.020 U	0.043 U	0.047 U
Aroclor 1254	SW8082A	0.227	0.022 U	0.023 U	0.020 U	0.0529	1.58 J
Aroclor 1260	SW8082A	1.53	1.46	4.01	4.53	0.253	7.49 J
Total PCB Aroclors (U = 0 max limit)		1.76	1.46	4.01	4.53	0.306	9.07 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-236-73-230517-00-01 5/17/2023	RB-W-236-95-221012-00-01 10/12/2022	RB-W-237-13-230517-00-01 5/17/2023	RB-W-237-37-230517-00-01 5/17/2023	RB-W-237-57-230517-00-01 5/17/2023	RB-W-237-69-230517-00-01 5/17/2023
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	88.6	70.7	72.8	81	86	62.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.022 U	0.046 U	0.025 U	0.023 U	0.045 U	0.029 U
Aroclor 1221	SW8082A	0.022 U	0.046 U	0.025 U	0.023 U	0.045 U	0.029 U
Aroclor 1232	SW8082A	0.022 U	0.046 U	0.025 U	0.023 U	0.045 U	0.029 U
Aroclor 1242	SW8082A	0.022 U	0.046 U	0.025 U	0.023 U	0.045 U	0.029 U
Aroclor 1248	SW8082A	0.022 U	0.046 U	0.025 U	0.023 U	0.045 U	0.029 U
Aroclor 1254	SW8082A	0.022 U	1.44	0.025 U	0.023 U	0.045 U	0.029 U
Aroclor 1260	SW8082A	6.05	7.51	0.864	2.68	2.1	3.52
Total PCB Aroclors (U = 0 max limit)		6.05	8.95	0.864	2.68	2.1	3.52

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-238-44-221012-00-01 10/12/2022	RB-W-238-86-230517-00-01 5/17/2023	RB-W-239-16-221012-00-01 10/12/2022	RB-W-239-54-221024-00-01 10/24/2022	RB-W-239-81-221012-00-01 10/12/2022	RB-W-240-09-221024-00-01 10/24/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	31.3	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	70.3	79.7	72.1	62.8	69.4	72.6
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	16	--	--	--	--	--
Percent passing (hydrometer 2)	D422	6	--	--	--	--	--
Percent passing (hydrometer 3)	D422	4	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	39.3	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	88.3	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	25.1	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	100	--	--	--	--	--
Percent retained 30-micron sieve	D422	99	--	--	--	--	--
Sand	D422	74.9	--	--	--	--	--
Silt	D422	25.1	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.023 U	0.045 U	0.048 U	0.044 U	0.043 U
Aroclor 1221	SW8082A	0.047 U	0.023 U	0.045 U	0.048 U	0.044 U	0.043 U
Aroclor 1232	SW8082A	0.047 U	0.023 U	0.045 U	0.048 U	0.044 U	0.043 U
Aroclor 1242	SW8082A	0.047 U	0.023 U	0.045 U	0.048 U	0.044 U	0.043 U
Aroclor 1248	SW8082A	0.047 U	0.023 U	0.045 U	0.048 U	0.044 U	0.043 U
Aroclor 1254	SW8082A	1.01	0.023 U	1.42	2.21 J	1.74	2.05 J
Aroclor 1260	SW8082A	4.71	6.36	7.23	8.82 J	7.9	13.1 J
Total PCB Aroclors (U = 0 max limit)		5.72	6.36	8.65	11.0 J	9.6	15.2 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-240-32-221012-00-01 10/12/2022	RB-W-240-61-221024-00-01 10/24/2022	RB-W-240-61-BD0001 10/24/2022	RB-W-241-06-221012-00-01 10/12/2022	RB-W-241-36-221024-00-01 10/24/2022	RB-W-241-66-221012-00-01 10/12/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	117	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	79.1	65.8	69.4	82.4	48	58.5
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	26	--
Percent passing (hydrometer 2)	D422	--	--	--	--	11	--
Percent passing (hydrometer 3)	D422	--	--	--	--	5.1	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	47.7	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	77.6	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	40.5	--
Percent passing 8.0 micron	D422	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	97.6	--
Percent retained 30-micron sieve	D422	--	--	--	--	90.6	--
Sand	D422	--	--	--	--	59.5	--
Silt	D422	--	--	--	--	40.5	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.051 U	0.047 U	0.038 U	0.063 U	0.056 U
Aroclor 1221	SW8082A	0.042 U	0.051 U	0.047 U	0.038 U	0.063 U	0.056 U
Aroclor 1232	SW8082A	0.042 U	0.051 U	0.047 U	0.038 U	0.063 U	0.056 U
Aroclor 1242	SW8082A	0.042 U	0.051 U	0.047 U	0.038 U	0.063 U	0.056 U
Aroclor 1248	SW8082A	0.042 U	0.051 U	0.047 U	0.038 U	0.063 U	0.056 U
Aroclor 1254	SW8082A	1.45	1.71 J	1.3 J	1.01	1.06 J	4.69
Aroclor 1260	SW8082A	5.66	7.01 J	5.54 J	3.93	4.04 J	14.6
Total PCB Aroclors (U = 0 max limit)		7.11	8.72 J	6.8 J	4.94	5.10 J	19.3

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-241-88-221024-00-01 10/24/2022	RB-W-242-14-221013-00-01 10/13/2022	RB-W-242-37-221025-00-01 10/25/2022	RB-W-242-63-221013-00-01 10/13/2022	RB-W-242-91-221025-00-01 10/25/2022	RB-W-243-20-221013-00-01 10/13/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	29.4	52.6
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	72.5	82.2	72.6	80.6	72.1	72.4
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	0
Percent passing (hydrometer 1)	D422	--	--	--	--	18	16
Percent passing (hydrometer 2)	D422	--	--	--	--	6	8
Percent passing (hydrometer 3)	D422	--	--	--	--	1	3.2
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	32.7	39.3
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	100	100
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	100	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	100
Percent passing 50-micron sieve	D422	--	--	--	--	67.6	90.6
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	23.7	20.8
Percent passing 8.0 micron	D422	--	--	--	--	100	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	100	90.8
Percent retained 30-micron sieve	D422	--	--	--	--	96.7	98.3
Sand	D422	--	--	--	--	76.3	79.3
Silt	D422	--	--	--	--	23.7	20.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.036 U	0.044 U	0.041 U	0.046 U	0.043 U
Aroclor 1221	SW8082A	0.045 U	0.036 U	0.044 U	0.041 U	0.046 U	0.043 U
Aroclor 1232	SW8082A	0.045 U	0.036 U	0.044 U	0.041 U	0.046 U	0.043 U
Aroclor 1242	SW8082A	0.045 U	0.036 U	0.044 U	0.041 U	0.046 U	0.043 U
Aroclor 1248	SW8082A	0.045 U	0.036 U	0.044 U	0.041 U	0.046 U	0.043 U
Aroclor 1254	SW8082A	2.18 J	3.56 J	8.14	3.32	4.66	1.8 J
Aroclor 1260	SW8082A	15.4 J	17.6	44.2	12.7	19.8	8.05
Total PCB Aroclors (U = 0 max limit)		17.6 J	21.2 J	52.3	16	24.5	9.9 J

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-243-51-221025-00-01 10/25/2022	RB-W-243-90-221013-00-01 10/13/2022	RB-W-244-04-221025-00-01 10/25/2022	RB-W-244-18-221013-00-01 10/13/2022	RB-W-244-24-221025-00-01 10/25/2022	RB-W-244-90-221013-00-01 10/13/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	65.3	53.6	57.7	59	52.3	75
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.062 U	0.056 U	0.056 U	0.060 U	0.044 U
Aroclor 1221	SW8082A	0.046 U	0.062 U	0.056 U	0.056 U	0.060 U	0.044 U
Aroclor 1232	SW8082A	0.046 U	0.062 U	0.056 U	0.056 U	0.060 U	0.044 U
Aroclor 1242	SW8082A	0.046 U	0.062 U	0.056 U	0.056 U	0.060 U	0.044 U
Aroclor 1248	SW8082A	0.046 U	0.062 U	0.056 U	0.056 U	0.060 U	0.044 U
Aroclor 1254	SW8082A	0.989	7.87	11.2	1.97	12.3	4.48
Aroclor 1260	SW8082A	6.43	31.2	45.5	7.75	80.9	20.3
Total PCB Aroclors (U = 0 max limit)		7.42	39.1	56.7	9.72	93.2	24.8

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

Chemical	Sample ID Sample Date Method	RB-W-245-05-230517-00-01 5/17/2023	RB-W-245-18-221013-00-01 10/13/2022	RB-W-245-35-230517-00-01 5/17/2023	RB-W-245-59-221013-00-01 10/13/2022	RB-W-245-76-230517-00-01 5/17/2023	RB-W-246-04-221013-00-01 10/13/2022
Conventional Parameters (unitless)							
Specific gravity	D1429	--	--	--	--	--	--
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture, percent	E160.3M	--	--	--	--	--	--
Total solids	SM2540G	64.7	79.3	66.7	76.5	63.9	59.7
Conventional Parameters (lb/ft³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3-inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.030 U	0.042 U	0.028 U	0.042 U	0.029 U	0.054 U
Aroclor 1221	SW8082A	0.030 U	0.042 U	0.028 U	0.042 U	0.029 U	0.054 U
Aroclor 1232	SW8082A	0.030 U	0.042 U	0.028 U	0.042 U	0.029 U	0.054 U
Aroclor 1242	SW8082A	0.030 U	0.042 U	0.028 U	0.042 U	0.029 U	0.054 U
Aroclor 1248	SW8082A	0.030 U	0.042 U	0.028 U	0.042 U	0.029 U	0.054 U
Aroclor 1254	SW8082A	0.030 U	2.84	0.028 U	0.19 J	0.029 U	5.5
Aroclor 1260	SW8082A	7.73	12.7	4.94	1.16	1.74	28.4
Total PCB Aroclors (U = 0 max limit)		7.73	15.5	4.94	1.4 J	1.74	34

Table E-1
Summary of 2022 and 2023 PDI Riverbank PCB Sampling Results

- Notes:
1. Riverbank soil sampling results represent PCB concentrations for surficial (0-to 12-inch) composite samples collected from the toe, mid point, and top of the riverbank at each location.
 2. Sample IDs containing "BD" indicate field duplicate samples (i.e., blind duplicates).

Bold: Detected result

lb/ft³: pound per cubed foot

J: Estimated value

mg/kg: milligram per kilogram

PCB: polychlorinated biphenyl

R: Rejected

U: Compound analyzed for, but not detected above detection limit

UJ: Compound analyzed for, but not detected above estimated detection limit

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-001-48		RB-E-010-72		RB-E-012-24		RB-E-015-16	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-001-48-230518-00-01	H3-BS000459-0-0000	RB-E-010-72-220902-00-01	H3-BS000367-0-0000	RB-E-012-24-230518-00-01	H3-BS000460-0-0000	RB-E-015-16-220907-00-01	H3-BS000368-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.027 U	0.0013 UJ	0.036 U	0.038 U	0.032 U	0.0013 U	0.045 U	0.048 U
Aroclor 1221	0.027 U	0.0013 UJ	0.036 U	0.038 U	0.032 U	0.0013 U	0.045 U	0.048 U
Aroclor 1232	0.027 U	0.0013 UJ	0.036 U	0.038 U	0.032 U	0.0013 U	0.045 U	0.048 U
Aroclor 1242	0.027 U	0.0013 UJ	0.036 U	0.038 U	0.032 U	0.0013 U	0.045 U	0.048 U
Aroclor 1248	0.027 U	0.0013 UJ	0.036 U	0.038 U	0.032 U	0.0013 U	0.045 U	0.048 U
Aroclor 1254	0.027 U	0.0013 UJ	5.77 J	0.038 U	0.032 U	0.0013 U	1.3	0.048 U
Aroclor 1260	0.238	0.22 J	13.8 J	16	0.0942	0.073	3.7	2.5
Aroclor 1262	--	--	--	0.038 U	--	--	--	0.048 U
Aroclor 1268	--	--	--	0.038 U	--	--	--	0.048 U
Total PCBs	0.238	0.22 J	19.6 J	16	0.0942	0.073	5	2.5

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-018-24		RB-E-020-89		RB-E-027-27		RB-E-030-99	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-018-24-221117-00-01	H3-BS000441-0-0000	RB-E-020-89-220908-00-01	H3-BS000370-0-0000	RB-E-027-27-221115-00-01	H3-BS000440-0-0000	RB-E-030-99-221117-00-01	H3-BS000442-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.044 U	0.065 U	0.05 U	0.044 U	0.043 U	0.024 UJ	0.039 U	0.12 U
Aroclor 1221	0.044 U	0.065 U	0.05 U	0.044 U	0.043 U	0.024 U	0.039 U	0.12 U
Aroclor 1232	0.044 U	0.065 U	0.05 U	0.044 U	0.043 U	0.024 U	0.039 U	0.12 U
Aroclor 1242	0.044 U	0.065 U	0.05 U	0.044 U	0.043 U	0.024 U	0.039 U	0.12 U
Aroclor 1248	0.044 U	0.065 U	0.05 U	0.044 U	0.043 U	0.024 U	0.039 U	0.12 U
Aroclor 1254	5.75	0.065 U	1.07	0.044 U	0.603 J	0.024 U	0.859	0.12 U
Aroclor 1260	21.7	5.4	3.05	2.8	1.81 J	1.5 J	5.81	7.2
Aroclor 1262	--	--	--	0.044 U	--	--	--	--
Aroclor 1268	--	--	--	0.044 U	--	--	--	--
Total PCBs	27.5	5.4	4.12	2.8	2.41 J	1.5 J	6.67	7.2

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-036-15		RB-E-046-54		RB-E-048-06		RB-E-056-18	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-036-15-220914-00-01	H3-BS000373-1-0000	RB-E-046-54-220915-00-01	H3-BS000375-0-0000	RB-E-048-06-221111-00-01	H3-BS000435-0-0000	RB-E-056-18-230420-00-01	H3-BS000443-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.041 U	0.043 U	0.046 U	0.043 U	0.054 U	0.013 U	0.029 U	0.062 U
Aroclor 1221	0.041 U	0.043 U	0.046 U	0.043 U	0.054 U	0.013 U	0.029 U	0.062 U
Aroclor 1232	0.041 U	0.043 U	0.046 U	0.043 U	0.054 U	0.013 U	0.029 U	0.062 U
Aroclor 1242	0.041 U	0.043 U	0.046 U	0.043 U	0.054 U	0.013 U	0.029 U	0.062 U
Aroclor 1248	0.041 U	0.043 U	0.046 U	0.043 U	0.054 U	0.013 U	0.029 U	0.062 U
Aroclor 1254	1.66 J	0.043 U	3.31	0.043 U	1.56	0.013 U	0.029 U	0.062 U
Aroclor 1260	7.07 J	6.6	9.71	5.6	9.12	2.2 J	4.01	3.8
Aroclor 1262	--	0.043 U	--	0.043 U	--	--	--	--
Aroclor 1268	--	0.043 U	--	0.043 U	--	--	--	--
Total PCBs	8.73 J	6.6	13	5.6	10.7	2.2 J	4.01	3.8

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-060-01		RB-E-066-32		RB-E-070-48		RB-E-082-25	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-060-01-220912-00-01	H3-BS000372-0-0000	RB-E-066-32-221114-00-01	H3-BS000438-0-0000	RB-E-070-48-220919-00-01	H3-BS000377-0-0000	RB-E-082-25-230515-00-01	H3-BS000453-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.049 U	0.052 U	0.046 U	0.0013 U	0.042 U	0.048 U	0.028 U	0.023 UJ
Aroclor 1221	0.049 U	0.052 U	0.046 U	0.0013 U	0.042 U	0.048 U	0.028 U	0.023 U
Aroclor 1232	0.049 U	0.052 U	0.046 U	0.0013 U	0.042 U	0.048 U	0.028 U	0.023 U
Aroclor 1242	0.049 U	0.052 U	0.046 U	0.0013 U	0.042 U	0.048 U	0.028 U	0.023 U
Aroclor 1248	0.049 U	0.052 U	0.046 U	0.0013 U	0.042 U	0.048 U	0.028 U	0.023 U
Aroclor 1254	0.675	0.052 U	0.618	0.0013 U	2.72	0.048 U	0.028 U	0.023 U
Aroclor 1260	2.21	1.9	1.85	0.33	11.1	3.6	2.35	4.1
Aroclor 1262	--	0.052 U	--	--	--	0.048 U	--	--
Aroclor 1268	--	0.052 U	--	--	--	0.048 U	--	--
Total PCBs	2.89	1.9	2.47	0.33	13.8	3.6	2.35	4.1

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-093-96		RB-E-098-72		RB-E-099-37		RB-E-100-37	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-093-96-221109-00-01	H3-BS000431-0-0000	RB-E-098-72-220921-00-01	H3-BS000379-0-0000	RB-E-099-37-230523-00-01	H3-BS000465-0-0000	RB-E-100-37-220927-00-01	H3-BS000384-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.042 U	0.26 U	0.044 U	0.045 U	0.025 U	0.059 U	0.039 U	0.039 U
Aroclor 1221	0.042 U	0.26 U	0.044 U	0.045 U	0.025 U	0.059 U	0.039 U	0.039 U
Aroclor 1232	0.042 U	0.26 U	0.044 U	0.045 U	0.025 U	0.059 U	0.039 U	0.039 U
Aroclor 1242	0.042 U	0.26 U	0.044 U	0.045 U	0.025 U	0.059 U	0.039 U	0.039 U
Aroclor 1248	0.042 U	0.26 U	0.044 U	0.045 U	0.025 U	0.059 U	0.039 U	0.039 U
Aroclor 1254	1.18 J	0.26 U	7.7	0.045 U	0.025 U	0.059 U	0.133	0.039 U
Aroclor 1260	6.45 J	3.9	23	5	1.7	3	0.569	0.14 J
Aroclor 1262	--	--	--	0.045 U	--	--	--	0.039 U
Aroclor 1268	--	--	--	0.045 U	--	--	--	0.039 U
Total PCBs	7.63 J	3.9	31	5	1.7	3	0.702	0.14 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-104-17		RB-E-106-100		RB-E-116-03		RB-E-116-27	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-104-17-221108-00-01	H3-BS000430-0-0000	RB-E-106-100-230510-00-01	H3-BS000448-0-0000	RB-E-116-03-221107-00-01	H3-BS000427-0-0000	RB-E-116-27-220926-00-01	H3-BS000381-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.041 U	0.28 U	0.022 U	0.00093 U	0.037 U	0.07 U	0.04 U	0.041 U
Aroclor 1221	0.041 U	0.28 U	0.022 U	0.00093 U	0.037 U	0.07 U	0.04 U	0.041 U
Aroclor 1232	0.041 U	0.28 U	0.022 U	0.00093 U	0.037 U	0.07 U	0.04 U	0.041 U
Aroclor 1242	0.041 U	0.28 U	0.022 U	0.00093 U	0.037 U	0.07 U	0.04 U	0.041 U
Aroclor 1248	0.041 U	0.28 U	0.022 U	0.00093 U	0.037 U	0.07 U	0.04 U	0.041 U
Aroclor 1254	2.18 J	0.28 U	0.022 U	0.00093 U	0.51	0.07 U	1.03	0.041 U
Aroclor 1260	14.4 J	3.7	0.022 U	0.0088	2.68	4.7 J	3.97	3.5 J
Aroclor 1262	--	--	--	--	--	--	--	0.041 U
Aroclor 1268	--	--	--	--	--	--	--	0.041 U
Total PCBs	16.6 J	3.7	0.0049 U	0.0088	3.2	4.7 J	5	3.5 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-125-45		RB-E-136-80		RB-E-137-94		RB-E-146-63	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-125-45-221104-00-01	H3-BS000425-0-0000	RB-E-136-80-221103-00-01	H3-BS000424-0-0000	RB-E-137-94-220928-00-01	H3-BS000387-0-0000	RB-E-146-63-221102-00-01	H3-BS000421-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.061 U	0.075 U	0.042 U	0.054 U	0.041 U	0.5 U	0.055 U	0.013 U
Aroclor 1221	0.061 U	0.075 U	0.042 U	0.054 U	0.041 U	0.5 U	0.055 U	0.013 U
Aroclor 1232	0.061 U	0.075 U	0.042 U	0.054 U	0.041 U	0.5 U	0.055 U	0.013 U
Aroclor 1242	0.061 U	0.075 U	0.042 U	0.054 U	0.041 U	0.5 U	0.055 U	0.013 U
Aroclor 1248	0.061 U	0.075 U	0.042 U	0.054 U	0.041 U	0.5 U	0.055 U	0.013 U
Aroclor 1254	0.822	0.075 U	2.92 J	0.054 U	1.19	0.5 U	2.28 J	0.013 U
Aroclor 1260	4.04	3.9 J	13.3 J	11	5.18	5.5	8.72	0.85 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	4.86	3.9 J	16.2 J	11	6.37	5.5	11 J	0.85 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-161-87		RB-E-162-12		RB-E-170-01		RB-E-172-11	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-161-87-221028-00-01	H3-BS000417-0-0000	RB-E-162-12-220929-00-01	H3-BS000388-0-0000	RB-E-170-01-221003-00-01	H3-BS000391-0-0000	RB-E-172-11-221031-00-01	H3-BS000419-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.041 U	0.0015 U	0.039 U	0.00098 U	0.048 U	0.014 U	0.051 U	0.3 U
Aroclor 1221	0.041 U	0.0015 U	0.039 U	0.00098 U	0.048 U	0.014 U	0.051 U	0.3 U
Aroclor 1232	0.041 U	0.0015 U	0.039 U	0.00098 U	0.048 U	0.014 U	0.051 U	0.3 U
Aroclor 1242	0.041 U	0.0015 U	0.039 U	0.00098 U	0.048 U	0.014 U	0.051 U	0.3 U
Aroclor 1248	0.041 U	0.0015 U	0.039 U	0.00098 U	0.048 U	0.014 U	0.051 U	0.3 U
Aroclor 1254	0.041 U	0.0015 U	0.0757	0.00098 U	0.638	0.014 U	3.23 J	0.3 U
Aroclor 1260	0.0871	0.32 J	0.418	0.2 J	3.63	2.5	11.8 J	10
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.0871	0.32 J	0.494	0.2 J	4.27	2.5	15 J	10

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-181-07		RB-E-184-23		RB-E-196-20		RB-E-197-35	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-181-07-230512-00-01	H3-BS000452-0-0000	RB-E-184-23-221006-00-01	H3-BS000395-0-0000	RB-E-196-20-221007-00-01	H3-BS000399-0-0000	RB-E-197-35-221026-00-01	H3-BS000416-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.032 U	0.027 UJ	0.048 U	0.12 U	0.046 U	0.013 U	0.043 U	0.2 U
Aroclor 1221	0.032 U	0.027 U	0.048 U	0.12 U	0.046 U	0.013 U	0.043 U	0.2 U
Aroclor 1232	0.032 U	0.027 U	0.048 U	0.12 U	0.046 U	0.013 U	0.043 U	0.2 U
Aroclor 1242	0.032 U	0.027 U	0.048 U	0.12 U	0.046 U	0.013 U	0.043 U	0.2 U
Aroclor 1248	0.032 U	0.027 U	0.048 U	0.12 U	0.046 U	0.013 U	0.043 U	0.2 U
Aroclor 1254	0.032 U	0.027 U	1.6	0.12 U	1.48	0.013 U	2.59 J	0.2 U
Aroclor 1260	2.85	2.2	6.85	1.9	7.25	1.7	14.9 J	11 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	2.85	2.2	8.5	1.9	8.73	1.7	17.5 J	11 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-199-12		RB-E-205-07		RB-E-212-99		RB-E-213-75	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-199-12-221026-00-01	H3-BS000415-0-0000	RB-E-205-07-230509-00-01	H3-BS000447-0-0000	RB-E-212-99-221013-00-01	H3-BS000407-0-0000	RB-E-213-75-221025-00-01	H3-BS000414-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.04 U	0.18 U	0.024 U	0.01 U	0.045 U	0.025 U	0.055 U	0.19 U
Aroclor 1221	0.04 U	0.18 U	0.024 U	0.01 U	0.045 U	0.025 U	0.055 U	0.19 U
Aroclor 1232	0.04 U	0.18 U	0.024 U	0.01 U	0.045 U	0.025 U	0.055 U	0.19 U
Aroclor 1242	0.04 U	0.18 U	0.024 U	0.01 U	0.045 U	0.025 U	0.055 U	0.19 U
Aroclor 1248	0.04 U	0.18 U	0.024 U	0.01 U	0.045 U	0.025 U	0.055 U	0.19 U
Aroclor 1254	3.44 J	0.18 U	0.024 U	0.01 U	1.54	0.025 U	3.46	0.19 U
Aroclor 1260	26.7 J	18 J	0.23	0.37	7.71	3.9 J	14.9	5.7
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	30.1 J	18 J	0.23	0.37	9.25	3.9 J	18.4	5.7

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-215-22		RB-E-218-96		RB-E-219-29		RB-E-220-55	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-215-22-230512-00-01	H3-BS000450-0-0000	RB-E-218-96-230509-00-01	H3-BS000445-0-0000	RB-E-219-29-221013-00-01	H3-BS000408-0-0000	RB-E-220-55-230509-00-01	H3-BS000446-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.036 U	0.026 UJ	0.027 U	0.055 U	0.051 U	0.027 U	0.027 U	0.064 U
Aroclor 1221	0.036 U	0.026 U	0.027 U	0.055 U	0.051 U	0.027 U	0.027 U	0.064 U
Aroclor 1232	0.036 U	0.026 U	0.027 U	0.055 U	0.051 U	0.027 U	0.027 U	0.064 U
Aroclor 1242	0.036 U	0.026 U	0.027 U	0.055 U	0.051 U	0.027 U	0.027 U	0.064 U
Aroclor 1248	0.036 U	0.026 U	0.027 U	0.055 U	0.051 U	0.027 U	0.027 U	0.064 U
Aroclor 1254	0.036 U	0.026 U	0.027 U	0.055 U	1.66	0.027 U	0.027 U	0.064 U
Aroclor 1260	4.35	1.8	13.9	2.2 J	9.45	3.7 J	1.78	2.9
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	4.35	1.8	13.9	2.2 J	11.1	3.7 J	1.78	2.9

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-E-224-14		RB-E-232-85		RB-E-237-28		RB-E-244-42	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-E-224-14-221013-00-01	H3-BS000409-0-0000	RB-E-232-85-221021-00-01	H3-BS000411-0-0000	RB-E-237-28-230509-00-01	H3-BS000444-0-0000	RB-E-244-42-221020-00-01	H3-BS000410-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.07 U	0.027 U	0.038 U	0.037 U	0.032 U	0.059 U	0.041 U	0.01 U
Aroclor 1221	0.07 U	0.027 U	0.038 U	0.037 U	0.032 U	0.059 U	0.041 U	0.01 U
Aroclor 1232	0.07 U	0.027 U	0.038 U	0.037 U	0.032 U	0.059 U	0.041 U	0.01 U
Aroclor 1242	0.07 U	0.027 U	0.038 U	0.037 U	0.032 U	0.059 U	0.041 U	0.01 U
Aroclor 1248	0.07 U	0.027 U	0.038 U	0.037 U	0.032 U	0.059 U	0.041 U	0.01 U
Aroclor 1254	1.73	0.027 U	0.613	0.037 U	0.032 U	0.059 U	1.79	0.01 U
Aroclor 1260	8.55	1.7	3.03	1.6	11.4	4.4	10.8	2.1
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	10.3	1.7	3.64	1.6	11.4	4.4	12.6	2.1

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-001-55		RB-W-003-46		RB-W-015-31		RB-W-023-89	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-001-55-220830-00-01	H3-BS000365-0-0000	RB-W-003-46-220831-00-01	H3-BS000366-0-0000	RB-W-015-31-220908-00-01	H3-BS000369-0-0000	RB-W-023-89-220909-00-01	H3-BS000371-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.036 U	0.036 U	0.04 U	0.043 U	0.042 U	0.045 U	0.053 U	0.044 U
Aroclor 1221	0.036 U	0.036 U	0.04 U	0.043 U	0.042 U	0.045 U	0.053 U	0.044 U
Aroclor 1232	0.036 U	0.036 U	0.04 U	0.043 U	0.042 U	0.045 U	0.053 U	0.044 U
Aroclor 1242	0.036 U	0.036 U	0.04 U	0.043 U	0.042 U	0.045 U	0.053 U	0.044 U
Aroclor 1248	0.036 U	0.036 U	0.04 U	0.043 U	0.042 U	0.045 U	0.053 U	0.044 U
Aroclor 1254	0.589 J	0.036 U	2.09	0.043 U	0.385	0.045 U	4.67	0.044 U
Aroclor 1260	2.08 J	2.1	6.26	3.7	1.74	2.1	8.42	11 J
Aroclor 1262	--	0.036 U	--	0.043 U	--	0.045 U	--	0.044 U
Aroclor 1268	--	0.036 U	--	0.043 U	--	0.045 U	--	0.044 U
Total PCBs	2.67 J	2.1	8.35	3.7	2.13	2.1	13.1	11 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-036-89		RB-W-042-68		RB-W-045-64		RB-W-050-89	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-036-89-230519-00-01	H3-BS000464-0-0000	RB-W-042-68-220914-00-01	H3-BS000374-0-0000	RB-W-045-64-230518-00-01	H3-BS000458-0-0000	RB-W-050-89-230519-00-01	H3-BS000461-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.032 U	0.0013 U	0.055 U	0.05 U	0.029 U	0.012 U	0.024 U	0.00093 U
Aroclor 1221	0.032 U	0.0013 U	0.055 U	0.05 U	0.029 U	0.012 U	0.024 U	0.00093 U
Aroclor 1232	0.032 U	0.0013 U	0.055 U	0.05 U	0.029 U	0.012 U	0.024 U	0.00093 U
Aroclor 1242	0.032 U	0.0013 U	0.055 U	0.05 U	0.029 U	0.012 U	0.024 U	0.00093 U
Aroclor 1248	0.032 U	0.0013 U	0.055 U	0.05 U	0.029 U	0.012 U	0.024 U	0.00093 U
Aroclor 1254	0.032 U	0.0013 U	0.915	0.05 U	0.029 U	0.012 U	0.024 U	0.00093 U
Aroclor 1260	0.032 U	0.0047	2.63	1.9	2.34	1 J	0.118	0.0093
Aroclor 1262	--	--	--	0.05 U	--	--	--	--
Aroclor 1268	--	--	--	0.05 U	--	--	--	--
Total PCBs	0.027 U	0.0047	3.55	1.9	2.34	1 J	0.118	0.0093

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-056-07		RB-W-059-71		RB-W-059-93		RB-W-066-99	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-056-07-221110-00-01	H3-BS000433-0-0000	RB-W-059-71-230519-00-01	H3-BS000462-0-0000	RB-W-059-93-220916-00-01	H3-BS000376-0-0000	RB-W-066-99-221114-00-01	H3-BS000439-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.041 U	0.065 U	0.036 U	0.015 U	0.046 U	0.05 U	0.04 U	0.054 U
Aroclor 1221	0.041 U	0.065 U	0.036 U	0.015 U	0.046 U	0.05 U	0.04 U	0.054 U
Aroclor 1232	0.041 U	0.065 U	0.036 U	0.015 U	0.046 U	0.05 U	0.04 U	0.054 U
Aroclor 1242	0.041 U	0.065 U	0.036 U	0.015 U	0.046 U	0.05 U	0.04 U	0.054 U
Aroclor 1248	0.041 U	0.065 U	0.036 U	0.015 U	0.046 U	0.05 U	0.04 U	0.054 U
Aroclor 1254	0.744 J	0.065 U	0.036 U	0.015 U	0.966	0.05 U	1.04 J	0.054 U
Aroclor 1260	2.77 J	3.1 J	1.64	1.6	6.37	1.4	4.48 J	2.6
Aroclor 1262	--	--	--	--	--	0.05 U	--	--
Aroclor 1268	--	--	--	--	--	0.05 U	--	--
Total PCBs	3.51 J	3.1 J	1.64	1.6	7.34	1.4	5.52 J	2.6

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-072-80		RB-W-076-91		RB-W-078-80		RB-W-084-21	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-072-80-230519-00-01	H3-BS000463-0-0000	RB-W-076-91-221111-00-01	H3-BS000437-0-0000	RB-W-078-80-220920-00-01	H3-BS000378-0-0000	RB-W-084-21-221111-00-01	H3-BS000436-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.031 U	0.014 U	0.056 U	0.012 U	0.048 U	0.052 U	0.038 U	0.096 U
Aroclor 1221	0.031 U	0.014 U	0.056 U	0.012 U	0.048 U	0.052 U	0.038 U	0.096 U
Aroclor 1232	0.031 U	0.014 U	0.056 U	0.012 U	0.048 U	0.052 U	0.038 U	0.096 U
Aroclor 1242	0.031 U	0.014 U	0.056 U	0.012 U	0.048 U	0.052 U	0.038 U	0.096 U
Aroclor 1248	0.031 U	0.014 U	0.056 U	0.012 U	0.048 U	0.052 U	0.038 U	0.096 U
Aroclor 1254	0.031 U	0.014 U	0.876	0.012 U	4.83 J	0.052 U	1.32 J	0.096 U
Aroclor 1260	0.646	0.91	3.7	0.98	32.8 J	9	5.52 J	3.9 J
Aroclor 1262	--	--	--	--	--	0.052 U	--	--
Aroclor 1268	--	--	--	--	--	0.052 U	--	--
Total PCBs	0.646	0.91	4.6	0.98	37.6 J	9	6.84 J	3.9 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-092-84		RB-W-102-61		RB-W-114-55		RB-W-119-08	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-092-84-221110-00-01	H3-BS000434-0-0000	RB-W-102-61-220923-00-01	H3-BS000380-0-0000	RB-W-114-55-221109-00-01	H3-BS000432-0-0000	RB-W-119-08-220926-00-01	H3-BS000382-1-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.04 U	0.054 U	0.053 U	0.049 U	0.043 U	0.29 U	0.044 U	0.044 U
Aroclor 1221	0.04 U	0.054 U	0.053 U	0.049 U	0.043 U	0.29 U	0.044 U	0.044 U
Aroclor 1232	0.04 U	0.054 U	0.053 U	0.049 U	0.043 U	0.29 U	0.044 U	0.044 U
Aroclor 1242	0.04 U	0.054 U	0.053 U	0.049 U	0.043 U	0.29 U	0.044 U	0.044 U
Aroclor 1248	0.04 U	0.054 U	0.053 U	0.049 U	0.043 U	0.29 U	0.044 U	0.044 U
Aroclor 1254	2.25 J	0.054 U	1.16	0.049 U	1.9 J	0.29 U	1.88	0.044 U
Aroclor 1260	21 J	8.4	3.43	2	6.85 J	1.7	6.83	8.9 J
Aroclor 1262	--	--	--	0.049 U	--	--	--	0.044 U
Aroclor 1268	--	--	--	0.049 U	--	--	--	0.044 U
Total PCBs	23 J	8.4	4.59	2	8.8 J	1.7	8.71	8.9 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-121-97		RB-W-128-32		RB-W-128-57		RB-W-137-05	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-121-97-220927-00-01	H3-BS000385-0-0000	RB-W-128-32-221108-00-01	H3-BS000429-0-0000	RB-W-128-57-220927-00-01	H3-BS000383-0-0000	RB-W-137-05-220928-00-01	H3-BS000386-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.047 U	0.041 U	0.041 U	0.058 U	0.054 U	0.052 U	0.043 U	0.55 U
Aroclor 1221	0.047 U	0.041 U	0.041 U	0.058 U	0.054 U	0.052 U	0.043 U	0.55 U
Aroclor 1232	0.047 U	0.041 U	0.041 U	0.058 U	0.054 U	0.052 U	0.043 U	0.55 U
Aroclor 1242	0.047 U	0.041 U	0.041 U	0.058 U	0.054 U	0.052 U	0.043 U	0.55 U
Aroclor 1248	0.047 U	0.041 U	0.041 U	0.058 U	0.054 U	0.052 U	0.043 U	0.55 U
Aroclor 1254	1.28	0.041 U	4.18 J	0.058 U	1.45	0.052 U	0.849	0.55 U
Aroclor 1260	4.94	3.3 J	16.1 J	0.96	8.61	3 J	5.25	4.4 J
Aroclor 1262	--	0.041 U	--	--	--	0.052 U	--	--
Aroclor 1268	--	0.041 U	--	--	--	0.052 U	--	--
Total PCBs	6.22	3.3 J	20.3 J	0.96	10.1	3 J	6.1	4.4 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-138-54		RB-W-139-49		RB-W-146-74		RB-W-149-44	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-138-54-230511-00-01	H3-BS000449-0-0000	RB-W-139-49-221107-00-01	H3-BS000428-0-0000	RB-W-146-74-221104-00-01	H3-BS000426-0-0000	RB-W-149-44-220930-00-01	H3-BS000389-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.03 U	0.012 U	0.046 U	0.0063 U	0.046 U	0.032 U	0.049 U	0.065 U
Aroclor 1221	0.03 U	0.012 U	0.046 U	0.0063 U	0.046 U	0.032 U	0.049 U	0.065 U
Aroclor 1232	0.03 U	0.012 U	0.046 U	0.0063 U	0.046 U	0.032 U	0.049 U	0.065 U
Aroclor 1242	0.03 U	0.012 U	0.046 U	0.0063 U	0.046 U	0.032 U	0.049 U	0.065 U
Aroclor 1248	0.03 U	0.012 U	0.046 U	0.0063 U	0.046 U	0.032 U	0.049 U	0.065 U
Aroclor 1254	0.03 U	0.012 U	4.06 J	0.0063 U	1.15	0.032 U	1.23	0.065 U
Aroclor 1260	4.57 J	1.2	15 J	0.68 J	4.04	1.2 J	3.78	0.067
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	4.57 J	1.2	19 J	0.68 J	5.19	1.2 J	5.01	0.067

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-157-34		RB-W-162-69		RB-W-162-97		RB-W-164-12	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-157-34-220930-00-01	H3-BS000390-0-0000	RB-W-162-69-221006-00-01	H3-BS000394-0-0000	RB-W-162-97-221103-00-01	H3-BS000423-0-0000	RB-W-164-12-221004-00-01	H3-BS000393-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.036 U	0.099 U	0.048 U	0.12 U	0.045 U	0.06 U	0.043 U	0.013 U
Aroclor 1221	0.036 U	0.099 U	0.048 U	0.12 U	0.045 U	0.06 U	0.043 U	0.013 U
Aroclor 1232	0.036 U	0.099 U	0.048 U	0.12 U	0.045 U	0.06 U	0.043 U	0.013 U
Aroclor 1242	0.036 U	0.099 U	0.048 U	0.12 U	0.045 U	0.06 U	0.043 U	0.013 U
Aroclor 1248	0.036 U	0.099 U	0.048 U	0.12 U	0.045 U	0.06 U	0.043 U	0.013 U
Aroclor 1254	0.867	0.099 U	1.87	0.12 U	0.644	0.06 U	0.789	0.013 U
Aroclor 1260	3.38	2	9.93	2.8	3.61	2.4 J	3.71	4
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	4.25	2	11.8	2.8	4.25	2.4 J	4.5	4

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-166-42		RB-W-180-63		RB-W-182-88		RB-W-184-45	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-166-42-221004-00-01	H3-BS000392-0-0000	RB-W-180-63-221006-00-01	H3-BS000396-0-0000	RB-W-182-88-230512-00-01	H3-BS000451-0-0000	RB-W-184-45-221102-00-01	H3-BS000422-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.045 U	0.06 U	0.045 U	1.1 U	0.027 U	0.021 UJ	0.05 U	0.064 U
Aroclor 1221	0.045 U	0.06 U	0.045 U	1.1 U	0.027 U	0.021 U	0.05 U	0.064 U
Aroclor 1232	0.045 U	0.06 U	0.045 U	1.1 U	0.027 U	0.021 U	0.05 U	0.064 U
Aroclor 1242	0.045 U	0.06 U	0.045 U	1.1 U	0.027 U	0.021 U	0.05 U	0.064 U
Aroclor 1248	0.045 U	0.06 U	0.045 U	1.1 U	0.027 U	0.021 U	0.05 U	0.064 U
Aroclor 1254	1.57	0.06 U	4.03 J	1.1 U	0.027 U	0.021 U	1.23	0.064 U
Aroclor 1260	6.13	2.4	28	18	1.99	0.81	4.46	4.1 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	7.7	2.4	32 J	18	1.99	0.81	5.69	4.1 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-189-08		RB-W-190-45		RB-W-200-28		RB-W-202-11	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-189-08-221007-00-01	H3-BS000398-0-0000	RB-W-190-45-221007-00-01	H3-BS000397-0-0000	RB-W-200-28-221010-00-01	H3-BS000400-0-0000	RB-W-202-11-221010-00-01	H3-BS000402-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.044 U	0.12 U	0.042 U	0.011 U	0.045 U	0.58 U	0.036 U	0.0095 U
Aroclor 1221	0.044 U	0.12 U	0.042 U	0.011 U	0.045 U	0.58 U	0.036 U	0.0095 U
Aroclor 1232	0.044 U	0.12 U	0.042 U	0.011 U	0.045 U	0.58 U	0.036 U	0.0095 U
Aroclor 1242	0.044 U	0.12 U	0.042 U	0.011 U	0.045 U	0.58 U	0.036 U	0.0095 U
Aroclor 1248	0.044 U	0.12 U	0.042 U	0.011 U	0.045 U	0.58 U	0.036 U	0.0095 U
Aroclor 1254	1.65	0.12 U	1.61 J	0.011 U	1.02	0.58 U	0.735 J	0.0095 U
Aroclor 1260	7.51	2.6	7.7	1.2	7.13	15	9.44	0.64 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	9.16	2.6	9.3 J	1.2	8.15	15	10.2 J	0.64 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-204-22		RB-W-206-43		RB-W-214-33		RB-W-219-22	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-204-22-221031-00-01	H3-BS000420-0-0000	RB-W-206-43-221010-00-01	H3-BS000401-0-0000	RB-W-214-33-221028-00-01	H3-BS000418-0-0000	RB-W-219-22-221011-00-01	H3-BS000403-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.049 U	0.27 U	0.064 U	0.082 U	0.045 U	0.17 U	0.039 U	0.001 U
Aroclor 1221	0.049 U	0.27 U	0.064 U	0.082 U	0.045 U	0.17 U	0.039 U	0.001 U
Aroclor 1232	0.049 U	0.27 U	0.064 U	0.082 U	0.045 U	0.17 U	0.039 U	0.001 U
Aroclor 1242	0.049 U	0.27 U	0.064 U	0.082 U	0.045 U	0.17 U	0.039 U	0.001 U
Aroclor 1248	0.049 U	0.27 U	0.064 U	0.082 U	0.045 U	0.17 U	0.039 U	0.001 U
Aroclor 1254	2.33 J	0.27 U	0.506	0.082 U	1.81 J	0.17 U	0.164	0.001 U
Aroclor 1260	10.4 J	4.1	3.2	8.6	10.2 J	6.1	0.59	0.18
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	12.7 J	4.1	3.7	8.6	12 J	6.1	0.75	0.18

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-221-83		RB-W-222-44		RB-W-226-60		RB-W-228-69	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	RB-W-221-83-221025-00-01	H3-BS000413-0-0000	RB-W-222-44-221011-00-01	H3-BS000404-0-0000	RB-W-226-60-221012-00-01	H3-BS000405-0-0000	RB-W-228-69-221024-00-01	H3-BS000412-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.052 U	0.038 U	0.046 U	0.053 U	0.047 U	0.023 U	0.051 U	0.023 UJ
Aroclor 1221	0.052 U	0.038 U	0.046 U	0.053 U	0.047 U	0.023 U	0.051 U	0.023 UJ
Aroclor 1232	0.052 U	0.038 U	0.046 U	0.053 U	0.047 U	0.023 U	0.051 U	0.023 UJ
Aroclor 1242	0.052 U	0.038 U	0.046 U	0.053 U	0.047 U	0.023 U	0.051 U	0.023 UJ
Aroclor 1248	0.052 U	0.038 U	0.046 U	0.053 U	0.047 U	0.023 U	0.051 U	0.023 UJ
Aroclor 1254	1.69 J	0.038 U	1.63	0.053 U	1.38	0.023 U	1.93 J	0.023 UJ
Aroclor 1260	7.03 J	3.6	9.2	4.7	5.6	1.7 J	7.06 J	1.1 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	8.72 J	3.6	11	4.7	7	1.7 J	8.99 J	1.1 J

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

Location ID Sample Collector Sample ID	RB-W-236-47	
	GE	EPA
	RB-W-236-47-221012-00-01	H3-BS000406-0-0000
PCB Aroclors (mg/kg)		
Aroclor 1016	0.043 U	0.001 U
Aroclor 1221	0.043 U	0.001 U
Aroclor 1232	0.043 U	0.001 U
Aroclor 1242	0.043 U	0.001 U
Aroclor 1248	0.043 U	0.001 U
Aroclor 1254	0.0529	0.001 U
Aroclor 1260	0.253	0.27
Aroclor 1262	--	--
Aroclor 1268	--	--
Total PCBs	0.306	0.27

Table E-2
Summary of 2022 and 2023 PDI Riverbank EPA PCB Split Sample Results

- Notes:
- 1. Riverbank soil sampling results represent PCB concentrations for surficial (0-to 12-inch) composite samples collected from the toe, mid point, and top of the riverbank at each location.
 - 2. Samples collected by GE were analyzed for PCBs by SGS North America Inc., located in Dayton, New Jersey.
 - 3. Samples collected by EPA from August 30, 2022, to September 28, 2022, were analyzed for PCBs by Chemtech Consulting in Mountainside, New Jersey. Samples collected after September 28, 2022, and all the samples collected in 2023 were analyzed by Eurofins Pittsburg.

Bold: Detected result
EPA: Environmental Protection Agency
GE: General Electric Company
J: Estimated value
mg/kg: milligram per kilogram
PCB: polychlorinated bipheny
U: Compound analyzed for, but not detected above detection limit
UJ: Compound analyzed for, but not detected above estimated detection limit

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-C-220830-0.5-01 8/30/2022 0.5–1 ft	SE-000-00-C-220830-00-0.5 8/30/2022 0–0.5 ft	SE-000-00-C-220830-01-1.15 8/30/2022 1–1.15 ft	SE-000-00-E-220830-0.5-01 8/30/2022 0.5–1 ft	SE-000-00-E-220830-00-0.5 8/30/2022 0–0.5 ft	SE-000-00-E-220830-01-1.5 8/30/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	4.01 J	1.14 J	2.17 J	1.27 J	0.356 J	2.81 J
Total solids	SM2540G	81.6	86.2	79.5	81.5	73.7	82.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.037 U	0.041 U	0.038 U	0.043 U	0.039 U
Aroclor 1221	SW8082A	0.039 U	0.037 U	0.041 U	0.038 U	0.043 U	0.039 U
Aroclor 1232	SW8082A	0.039 U	0.037 U	0.041 U	0.038 U	0.043 U	0.039 U
Aroclor 1242	SW8082A	0.039 U	0.037 U	0.041 U	0.038 U	0.043 U	0.039 U
Aroclor 1248	SW8082A	0.039 U	0.037 U	0.041 U	0.038 U	0.043 U	0.039 U
Aroclor 1254	SW8082A	1.42	0.805	1.51 J	3.48 J	1.35 J	4.66 J
Aroclor 1260	SW8082A	2.41	1.27	2.3 J	3.29 J	4.58 J	5.02 J
Total PCB Aroclors (U = 0 max limit)		3.83	2.08	3.8 J	6.77 J	5.93 J	9.68 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-E-220830-1.5-1.64 8/30/2022 1.5–1.64 ft	SE-000-00-W-220830-0.5-01 8/30/2022 0.5–1 ft	SE-000-00-W-220830-00-0.5 8/30/2022 0–0.5 ft	SE-000-00-W-220830-01-1.15 8/30/2022 1–1.15 ft	SE-000-00-W-BD0001 8/30/2022 0.5–1 ft	SE-002-42-C-220830-0.5-01 8/30/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.08 J	0.717 J	1.88 J	1.3 J	1.18 J	0.266 J
Total solids	SM2540G	83.6	75.3	81.2	80.8	79.4	81.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.043 U	0.038 U	0.039 U	0.038 U	0.039 U
Aroclor 1221	SW8082A	0.039 U	0.043 U	0.038 U	0.039 U	0.038 U	0.039 U
Aroclor 1232	SW8082A	0.039 U	0.043 U	0.038 U	0.039 U	0.038 U	0.039 U
Aroclor 1242	SW8082A	0.039 U	0.043 U	0.038 U	0.039 U	0.038 U	0.039 U
Aroclor 1248	SW8082A	0.039 U	0.043 U	0.038 U	0.039 U	0.038 U	0.039 U
Aroclor 1254	SW8082A	1.27 J	2.44	4.56	3.16 J	2.18 J	0.039 U
Aroclor 1260	SW8082A	1.58 J	3.88	6.69	4.26 J	2.67 J	0.039 U
Total PCB Aroclors (U = 0 max limit)		2.85 J	6.32	11.3	7.42 J	4.85 J	0.035 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-002-42-C-220830-00-0.5 8/30/2022 0–0.5 ft	SE-002-42-C-220830-01-1.5 8/30/2022 1–1.5 ft	SE-002-42-C-220830-1.5-1.85 8/30/2022 1.5–1.85 ft	SE-002-42-E-220830-0.5-01 8/30/2022 0.5–1 ft	SE-002-42-E-220830-00-0.5 8/30/2022 0–0.5 ft	SE-002-42-E-220830-01-1.5 8/30/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.54 J	0.241 J	0.448 J	0.757 J	1.79 J	1.68 J
Total solids	SM2540G	68.9	79.5	65.4	69.3	60.1	67.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.041 U	0.049 U	0.046 U	0.051 U	0.048 U
Aroclor 1221	SW8082A	0.046 U	0.041 U	0.049 U	0.046 U	0.051 U	0.048 U
Aroclor 1232	SW8082A	0.046 U	0.041 U	0.049 U	0.046 U	0.051 U	0.048 U
Aroclor 1242	SW8082A	0.046 U	0.041 U	0.049 U	0.046 U	0.051 U	0.048 U
Aroclor 1248	SW8082A	0.046 U	0.041 U	0.049 U	0.046 U	0.051 U	0.048 U
Aroclor 1254	SW8082A	0.0934	0.041 U	0.049 U	0.046 U	0.051 U	0.048 U
Aroclor 1260	SW8082A	0.0688	0.0213 J	0.049 U	0.046 U	0.051 U	0.048 U
Total PCB Aroclors (U = 0 max limit)		0.162	0.0213 J	0.044 U	0.041 U	0.046 U	0.042 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-002-42-E-220830-1.5-1.9 8/30/2022 1.5–1.9 ft	SE-002-42-W-220830-0.5-01 8/30/2022 0.5–1 ft	SE-002-42-W-220830-00-0.5 8/30/2022 0–0.5 ft	SE-002-42-W-220830-01-1.5 8/30/2022 1–1.5 ft	SE-002-42-W-220830-1.5-1.94 8/30/2022 1.5–1.94 ft	SE-005-13-C-220830-0.5-01 8/30/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.493 J	0.664 J	1.37 J	2.65 J	1.67 J	2.06 J
Total solids	SM2540G	78.1	70.6	57.1	69.2	58.2	79.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.043 U	0.057 U	0.047 U	0.053 U	0.038 U
Aroclor 1221	SW8082A	0.042 U	0.043 U	0.057 U	0.047 U	0.053 U	0.038 U
Aroclor 1232	SW8082A	0.042 U	0.043 U	0.057 U	0.047 U	0.053 U	0.038 U
Aroclor 1242	SW8082A	0.042 U	0.043 U	0.057 U	0.047 U	0.053 U	0.038 U
Aroclor 1248	SW8082A	0.042 U	0.043 U	0.057 U	0.047 U	0.053 U	0.038 U
Aroclor 1254	SW8082A	0.042 U	0.043 U	0.0819	0.047 U	0.053 U	0.304
Aroclor 1260	SW8082A	0.042 U	0.043 U	0.113	0.047 U	0.053 U	0.92
Total PCB Aroclors (U = 0 max limit)		0.037 U	0.039 U	0.195	0.042 U	0.048 U	1.2

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-005-13-C-220830-00-0.5 8/30/2022 0–0.5 ft	SE-005-13-C-220830-01-1.5 8/30/2022 1–1.5 ft	SE-005-13-C-220830-1.5-1.72 8/30/2022 1.5–1.72 ft	SE-005-13-E-220830-0.5-01 8/30/2022 0.5–1 ft	SE-005-13-E-220830-00-0.5 8/30/2022 0–0.5 ft	SE-005-13-E-220830-01-1.5 8/30/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.507 J	0.2 J	0.111 J	0.517 J	0.242 J	0.466 J
Total solids	SM2540G	77.4	89.5	77.8	89.1	93.8	85.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.035 U	0.041 U	0.034 U	0.034 U	0.037 U
Aroclor 1221	SW8082A	0.042 U	0.035 U	0.041 U	0.034 U	0.034 U	0.037 U
Aroclor 1232	SW8082A	0.042 U	0.035 U	0.041 U	0.034 U	0.034 U	0.037 U
Aroclor 1242	SW8082A	0.042 U	0.035 U	0.041 U	0.034 U	0.034 U	0.037 U
Aroclor 1248	SW8082A	0.042 U	0.035 U	0.041 U	0.034 U	0.034 U	0.037 U
Aroclor 1254	SW8082A	0.239	0.113	0.041 U	0.115	0.034 U	0.0655
Aroclor 1260	SW8082A	0.674	0.29	0.0240 J	0.169 J	0.0623	0.106
Total PCB Aroclors (U = 0 max limit)		0.913	0.4	0.0240 J	0.284 J	0.0623	0.172

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-005-13-E-220830-1.5-1.62 8/30/2022 1.5–1.62 ft	SE-005-13-E-BD0001 8/30/2022 0.5–1 ft	SE-005-13-W-220830-0.5-01 8/30/2022 0.5–1 ft	SE-005-13-W-220830-00-0.5 8/30/2022 0–0.5 ft	SE-005-13-W-220830-01-1.5 8/30/2022 1–1.5 ft	SE-005-13-W-220830-1.5-1.72 8/30/2022 1.5–1.72 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.263 J	0.32 J	0.278 J	0.0875 J	0.155 J	0.109 J
Total solids	SM2540G	70	78.5	81.6	81.1	83.6	82.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.042 U	0.038 U	0.038 U	0.037 U	0.039 U
Aroclor 1221	SW8082A	0.045 U	0.042 U	0.038 U	0.038 U	0.037 U	0.039 U
Aroclor 1232	SW8082A	0.045 U	0.042 U	0.038 U	0.038 U	0.037 U	0.039 U
Aroclor 1242	SW8082A	0.045 U	0.042 U	0.038 U	0.038 U	0.037 U	0.039 U
Aroclor 1248	SW8082A	0.045 U	0.042 U	0.038 U	0.038 U	0.037 U	0.039 U
Aroclor 1254	SW8082A	0.146	0.0655	0.038 U	0.0210 J	0.037 U	0.039 U
Aroclor 1260	SW8082A	0.16	0.0720 J	0.038 U	0.0435	0.037 U	0.039 U
Total PCB Aroclors (U = 0 max limit)		0.31	0.138 J	0.034 U	0.0645 J	0.033 U	0.035 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-007-71-E-220831-0.5-0.75 8/31/2022 0.5–0.75 ft	SE-007-71-E-220831-00-0.5 8/31/2022 0–0.5 ft	SE-007-71-W-220831-0.5-01 8/31/2022 0.5–1 ft	SE-007-71-W-220831-00-0.5 8/31/2022 0–0.5 ft	SE-007-71-W-220831-01-1.25 8/31/2022 1–1.25 ft	SE-010-20-C-220831-0.5-01 8/31/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.329 J	0.577 J	0.519 J	0.253 J	0.0801 J	0.18 J
Total solids	SM2540G	83.6	82.2	73.2	83.7	86.3	89.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.038 U	0.042 U	0.038 U	0.036 U	0.035 U
Aroclor 1221	SW8082A	0.039 U	0.038 U	0.042 U	0.038 U	0.036 U	0.035 U
Aroclor 1232	SW8082A	0.039 U	0.038 U	0.042 U	0.038 U	0.036 U	0.035 U
Aroclor 1242	SW8082A	0.039 U	0.038 U	0.042 U	0.038 U	0.036 U	0.035 U
Aroclor 1248	SW8082A	0.039 U	0.038 U	0.042 U	0.038 U	0.036 U	0.035 U
Aroclor 1254	SW8082A	0.115	0.0620 J	0.042 U	0.038 U	0.036 U	0.117
Aroclor 1260	SW8082A	0.462	0.169 J	0.0246 J	0.0829	0.036 U	0.285
Total PCB Aroclors (U = 0 max limit)		0.577	0.231 J	0.0246 J	0.0829	0.032 U	0.402

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-010-20-C-220831-00-0.5 8/31/2022 0–0.5 ft	SE-010-20-C-220831-01-1.5 8/31/2022 1–1.5 ft	SE-010-20-C-220831-1.5-1.76 8/31/2022 1.5–1.76 ft	SE-010-20-E-220831-0.5-01 8/31/2022 0.5–1 ft	SE-010-20-E-220831-00-0.5 8/31/2022 0–0.5 ft	SE-010-20-E-220831-01-1.5 8/31/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.148 J	0.225 J	0.152 J	1.16 J	1.53 J	0.151 J
Total solids	SM2540G	91	85.9	90.1	76.8	86.8	90.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U
Aroclor 1221	SW8082A	0.034 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U
Aroclor 1232	SW8082A	0.034 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U
Aroclor 1242	SW8082A	0.034 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U
Aroclor 1248	SW8082A	0.034 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U
Aroclor 1254	SW8082A	0.0739	0.344	0.358	0.0468	0.709	0.036 U
Aroclor 1260	SW8082A	0.503	0.705	0.451	0.0812	1.23	0.036 U
Total PCB Aroclors (U = 0 max limit)		0.577	1.05	0.809	0.128	1.94	0.032 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-010-20-E-220831-1.5-1.8 8/31/2022 1.5–1.8 ft	SE-010-20-W-220831-0.5-01 8/31/2022 0.5–1 ft	SE-010-20-W-220831-00-0.5 8/31/2022 0–0.5 ft	SE-010-20-W-220831-01-1.5 8/31/2022 1–1.5 ft	SE-010-20-W-220831-1.5-1.66 8/31/2022 1.5–1.66 ft	SE-012-76-C-220901-0.5-01 9/1/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.74 J	0.263 J	0.151 J	1.5 J	0.17 J	1.49 J
Total solids	SM2540G	73.2	92.5	90.4	81.6	84.2	73.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.035 U	0.033 U	0.038 U	0.038 U	0.045 U
Aroclor 1221	SW8082A	0.044 U	0.035 U	0.033 U	0.038 U	0.038 U	0.045 U
Aroclor 1232	SW8082A	0.044 U	0.035 U	0.033 U	0.038 U	0.038 U	0.045 U
Aroclor 1242	SW8082A	0.044 U	0.035 U	0.033 U	0.038 U	0.038 U	0.045 U
Aroclor 1248	SW8082A	0.044 U	0.035 U	0.033 U	0.038 U	0.038 U	0.045 U
Aroclor 1254	SW8082A	0.044 U	0.601	0.129	0.217	0.273	0.045 U
Aroclor 1260	SW8082A	0.044 U	8.54	0.482	0.26	0.487	0.045 U
Total PCB Aroclors (U = 0 max limit)		0.039 U	9.14	0.611	0.48	0.76	0.040 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-012-76-C-220901-00-0.5 9/1/2022 0–0.5 ft	SE-012-76-C-220901-01-1.5 9/1/2022 1–1.5 ft	SE-012-76-C-220901-02-2.25 9/1/2022 2–2.25 ft	SE-012-76-C-220901-1.5-02 9/1/2022 1.5–2 ft	SE-012-76-C-BD0001 9/1/2022 0.5–1 ft	SE-012-76-E-220901-0.5-01 9/1/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	2.3 J	0.0299 J	0.0305 J	0.0335 J	0.0864 J	0.117 J
Total solids	SM2540G	53.8	78.4	73.8	77.7	76	81
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.058 U	0.038 U	0.042 U	0.040 U	0.044 U	0.039 U
Aroclor 1221	SW8082A	0.058 U	0.038 U	0.042 U	0.040 U	0.044 U	0.039 U
Aroclor 1232	SW8082A	0.058 U	0.038 U	0.042 U	0.040 U	0.044 U	0.039 U
Aroclor 1242	SW8082A	0.058 U	0.038 U	0.042 U	0.040 U	0.044 U	0.039 U
Aroclor 1248	SW8082A	0.058 U	0.038 U	0.042 U	0.040 U	0.044 U	0.039 U
Aroclor 1254	SW8082A	0.0613	0.038 U	0.0252 J	0.040 U	0.054	0.168
Aroclor 1260	SW8082A	0.107	0.038 U	0.042 U	0.040 U	0.0928	0.359
Total PCB Aroclors (U = 0 max limit)		0.168	0.034 U	0.0252 J	0.04 U	0.147	0.527

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-012-76-E-220901-00-0.5 9/1/2022 0–0.5 ft	SE-012-76-E-220901-01-1.5 9/1/2022 1–1.5 ft	SE-012-76-E-220901-1.5-1.9 9/1/2022 1.5–1.9 ft	SE-012-76-W-220901-0.5-01 9/1/2022 0.5–1 ft	SE-012-76-W-220901-00-0.5 9/1/2022 0–0.5 ft	SE-012-76-W-220901-01-1.5 9/1/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.485 J	0.0901 J	0.0684 J	0.0389 J	0.0453 J	0.0448 J
Total solids	SM2540G	90.3	80.6	72.1	72.8	81.2	71.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.041 U	0.042 U	0.042 U	0.037 U	0.044 U
Aroclor 1221	SW8082A	0.033 U	0.041 U	0.042 U	0.042 U	0.037 U	0.044 U
Aroclor 1232	SW8082A	0.033 U	0.041 U	0.042 U	0.042 U	0.037 U	0.044 U
Aroclor 1242	SW8082A	0.033 U	0.041 U	0.042 U	0.042 U	0.037 U	0.044 U
Aroclor 1248	SW8082A	0.033 U	0.041 U	0.042 U	0.042 U	0.037 U	0.044 U
Aroclor 1254	SW8082A	0.13	0.437	0.156	0.042 U	0.037 U	0.044 U
Aroclor 1260	SW8082A	0.33	0.829	1.55	0.042 U	0.037 U	0.044 U
Total PCB Aroclors (U = 0 max limit)		0.46	1.27	1.71	0.037 U	0.033 U	0.039 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-015-43-C-220901-0.5-01 9/1/2022 0.5–1 ft	SE-015-43-C-220901-00-0.5 9/1/2022 0–0.5 ft	SE-015-43-C-220901-01-1.5 9/1/2022 1–1.5 ft	SE-015-43-C-220901-02-2.05 9/1/2022 2–2.05 ft	SE-015-43-C-220901-1.5-02 9/1/2022 1.5–2 ft	SE-015-43-E-220901-0.5-01 9/1/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.74 J	0.165 J	0.157 J	0.858 J	0.204 J	0.854 J
Total solids	SM2540G	88	81.9	80.9	74.1	76.9	68.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.040 U	0.038 U	0.044 U	0.040 U	0.047 U
Aroclor 1221	SW8082A	0.036 U	0.040 U	0.038 U	0.044 U	0.040 U	0.047 U
Aroclor 1232	SW8082A	0.036 U	0.040 U	0.038 U	0.044 U	0.040 U	0.047 U
Aroclor 1242	SW8082A	0.036 U	0.040 U	0.038 U	0.044 U	0.040 U	0.047 U
Aroclor 1248	SW8082A	0.036 U	0.040 U	0.038 U	0.044 U	0.040 U	0.047 U
Aroclor 1254	SW8082A	1.05	0.575	0.129	0.044 U	0.040 U	0.047 U
Aroclor 1260	SW8082A	2.96	1.03	0.227	0.044 U	0.040 U	0.047 U
Total PCB Aroclors (U = 0 max limit)		4.01	1.61	0.356	0.039 U	0.04 U	0.042 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-015-43-E-220901-00-0.5 9/1/2022 0–0.5 ft	SE-015-43-E-220901-01-1.5 9/1/2022 1–1.5 ft	SE-015-43-W-220901-0.5-01 9/1/2022 0.5–1 ft	SE-015-43-W-220901-00-0.5 9/1/2022 0–0.5 ft	SE-015-43-W-220901-01-1.5 9/1/2022 1–1.5 ft	SE-015-43-W-220901-1.5-1.7 9/1/2022 1.5–1.7 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.116 J	0.107 J	0.343 J	0.11 J	0.589 J	0.635 J
Total solids	SM2540G	77.2	80.1	71.5	82.4	72.2	74.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.040 U	0.044 U	0.039 U	0.046 U	0.040 U
Aroclor 1221	SW8082A	0.041 U	0.040 U	0.044 U	0.039 U	0.046 U	0.040 U
Aroclor 1232	SW8082A	0.041 U	0.040 U	0.044 U	0.039 U	0.046 U	0.040 U
Aroclor 1242	SW8082A	0.041 U	0.040 U	0.044 U	0.039 U	0.046 U	0.040 U
Aroclor 1248	SW8082A	0.041 U	0.040 U	0.044 U	0.039 U	0.046 U	0.040 U
Aroclor 1254	SW8082A	0.13	0.040 U	1.09	0.165	0.046 U	0.040 U
Aroclor 1260	SW8082A	0.763	0.040 U	1.35	0.323	0.0421 J	0.040 U
Total PCB Aroclors (U = 0 max limit)		0.89	0.04 U	2.44	0.488	0.0421 J	0.04 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-015-43-W-G-220901-00-1.1 9/1/2022 0–1.1 ft	SE-015-43-W-G-220901-1.1-1.7 9/1/2022 1.1–1.7 ft	SE-017-96-C-220902-0.5-01 9/2/2022 0.5–1 ft	SE-017-96-C-220902-00-0.5 9/2/2022 0–0.5 ft	SE-017-96-C-220902-01-1.5 9/2/2022 1–1.5 ft	SE-017-96-C-220902-1.5-1.63 9/2/2022 1.5–1.63 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	25	45.1	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	--	0.311 J	0.106 J	0.435 J	0.125 J
Total solids	SM2540G	--	--	74.3	79.8	72.9	74.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	48.7	0	--	--	--	--
Percent passing (hydrometer 1)	D422	3	19	--	--	--	--
Percent passing (hydrometer 2)	D422	1.1	9	--	--	--	--
Percent passing (hydrometer 3)	D422	1.1	3	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	65.2	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	84.1	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	7.6	99	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	37.2	99.9	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	51.3	100	--	--	--	--
Percent passing 50-micron sieve	D422	13.6	99.2	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	5.4	98.4	--	--	--	--
Percent passing 8.0 micron	D422	39	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	29.5	99.6	--	--	--	--
Percent retained 30-micron sieve	D422	20.9	99.4	--	--	--	--
Sand	D422	45.9	1.6	--	--	--	--
Silt	D422	5.4	98.4	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	--	0.042 U	0.041 U	0.043 U	0.040 U
Aroclor 1221	SW8082A	--	--	0.042 U	0.041 U	0.043 U	0.040 U
Aroclor 1232	SW8082A	--	--	0.042 U	0.041 U	0.043 U	0.040 U
Aroclor 1242	SW8082A	--	--	0.042 U	0.041 U	0.043 U	0.040 U
Aroclor 1248	SW8082A	--	--	0.042 U	0.041 U	0.043 U	0.040 U
Aroclor 1254	SW8082A	--	--	1.76	2.86	0.869	3.4
Aroclor 1260	SW8082A	--	--	4.94	23.2	1.39	4.48
Total PCB Aroclors (U = 0 max limit)		--	--	6.7	26.1	2.26	7.9

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-017-96-E-220902-0.5-01 9/2/2022 0.5–1 ft	SE-017-96-E-220902-00-0.5 9/2/2022 0–0.5 ft	SE-017-96-E-220902-01-1.5 9/2/2022 1–1.5 ft	SE-017-96-E-220902-1.5-1.79 9/2/2022 1.5–1.79 ft	SE-017-96-E-BD0001 9/2/2022 1–1.5 ft	SE-017-96-W-220902-0.5-01 9/2/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.49 J	2.14 J	1.93 J	0.0418 J	1.33 J	0.816 J
Total solids	SM2540G	64.3	54.5	61.7	69.4	58.1	61.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.050 U	0.059 U	0.051 U	0.044 U	0.053 U	0.054 U
Aroclor 1221	SW8082A	0.050 U	0.059 U	0.051 U	0.044 U	0.053 U	0.054 U
Aroclor 1232	SW8082A	0.050 U	0.059 U	0.051 U	0.044 U	0.053 U	0.054 U
Aroclor 1242	SW8082A	0.050 U	0.059 U	0.051 U	0.044 U	0.053 U	0.054 U
Aroclor 1248	SW8082A	0.050 U	0.059 U	0.051 U	0.044 U	0.053 U	0.054 U
Aroclor 1254	SW8082A	0.050 U	0.059 U	0.051 U	0.044 U	0.053 U	4.47
Aroclor 1260	SW8082A	0.050 U	0.059 U	0.051 U	0.044 U	0.053 U	12.4
Total PCB Aroclors (U = 0 max limit)		0.05 U	0.053 U	0.045 U	0.039 U	0.047 U	16.9

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-017-96-W-220902-00-0.5 9/2/2022 0–0.5 ft	SE-017-96-W-220902-01-1.5 9/2/2022 1–1.5 ft	SE-017-96-W-220902-1.5-1.66 9/2/2022 1.5–1.66 ft	SE-020-47-C-220902-0.5-01 9/2/2022 0.5–1 ft	SE-020-47-C-220902-00-0.5 9/2/2022 0–0.5 ft	SE-020-47-C-220902-01-1.5 9/2/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.558 J	1.43 J	1.06 J	0.427 J	0.258 J	0.041 J
Total solids	SM2540G	88.2	68.7	79.9	73.9	83.1	82
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.047 U	0.040 U	0.043 U	0.039 U	0.037 U
Aroclor 1221	SW8082A	0.034 U	0.047 U	0.040 U	0.043 U	0.039 U	0.037 U
Aroclor 1232	SW8082A	0.034 U	0.047 U	0.040 U	0.043 U	0.039 U	0.037 U
Aroclor 1242	SW8082A	0.034 U	0.047 U	0.040 U	0.043 U	0.039 U	0.037 U
Aroclor 1248	SW8082A	0.034 U	1.28	0.040 U	0.043 U	0.039 U	0.037 U
Aroclor 1254	SW8082A	0.558	0.885	0.718	0.324	0.99	0.037 U
Aroclor 1260	SW8082A	2.05	2.1	2.24	0.498	2.73	0.037 U
Total PCB Aroclors (U = 0 max limit)		2.61	4.3	2.96	0.822	3.7	0.033 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-020-47-C-220902-1.5-1.83 9/2/2022 1.5–1.83 ft	SE-020-47-E-220902-0.5-01 9/2/2022 0.5–1 ft	SE-020-47-E-220902-00-0.5 9/2/2022 0–0.5 ft	SE-020-47-E-220902-01-1.5 9/2/2022 1–1.5 ft	SE-020-47-E-220902-1.5-02 9/2/2022 1.5–2 ft	SE-020-47-W-220902-0.5-01 9/2/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0584 J	0.287 J	0.0991 J	0.58 J	0.368 J	1.34 J
Total solids	SM2540G	76.4	78.9	81.9	70.1	67.6	77.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.040 U	0.038 U	0.045 U	0.045 U	0.039 U
Aroclor 1221	SW8082A	0.042 U	0.040 U	0.038 U	0.045 U	0.045 U	0.039 U
Aroclor 1232	SW8082A	0.042 U	0.040 U	0.038 U	0.045 U	0.045 U	0.039 U
Aroclor 1242	SW8082A	0.042 U	0.040 U	0.038 U	0.045 U	0.045 U	0.039 U
Aroclor 1248	SW8082A	0.042 U	0.040 U	0.038 U	0.045 U	0.045 U	0.039 U
Aroclor 1254	SW8082A	0.042 U	0.040 U	0.038 U	0.045 U	0.045 U	1.71
Aroclor 1260	SW8082A	0.042 U	0.040 U	1.14	0.045 U	0.045 U	1.47
Total PCB Aroclors (U = 0 max limit)		0.038 U	0.04 U	1.14	0.040 U	0.040 U	3.18

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-020-47-W-220902-00-0.5 9/2/2022 0–0.5 ft	SE-020-47-W-220902-01-1.5 9/2/2022 1–1.5 ft	SE-020-47-W-220902-1.5-1.92 9/2/2022 1.5–1.92 ft	SE-022-98-C-220907-0.5-01 9/7/2022 0.5–1 ft	SE-022-98-C-220907-00-0.5 9/7/2022 0–0.5 ft	SE-022-98-C-220907-01-1.5 9/7/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.623 J	0.0524 J	0.0523 J	1.74 J	0.318 J	0.329 J
Total solids	SM2540G	76.3	70.9	70.6	91.7	90.7	89.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.045 U	0.043 U	0.035 U	0.036 U	0.036 U
Aroclor 1221	SW8082A	0.040 U	0.045 U	0.043 U	0.035 U	0.036 U	0.036 U
Aroclor 1232	SW8082A	0.040 U	0.045 U	0.043 U	0.035 U	0.036 U	0.036 U
Aroclor 1242	SW8082A	0.040 U	0.045 U	0.043 U	0.035 U	0.036 U	0.036 U
Aroclor 1248	SW8082A	0.040 U	0.045 U	0.043 U	0.035 U	0.036 U	0.036 U
Aroclor 1254	SW8082A	2.53	0.045 U	0.043 U	1.3	0.459	1.78
Aroclor 1260	SW8082A	7.37	0.045 U	0.043 U	2.15	1.2	5.89
Total PCB Aroclors (U = 0 max limit)		9.9	0.040 U	0.039 U	3.5	1.7	7.67

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-022-98-C-220907-02-2.5 9/7/2022 2–2.5 ft	SE-022-98-C-220907-1.5-02 9/7/2022 1.5–2 ft	SE-022-98-C-220907-2.5-03 9/7/2022 2.5–3 ft	SE-022-98-E-220907-0.5-01 9/7/2022 0.5–1 ft	SE-022-98-E-220907-00-0.5 9/7/2022 0–0.5 ft	SE-022-98-E-220907-01-1.5 9/7/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.458 J	0.512 J	0.165 J	11.2 J	0.22 J	0.938 J
Total solids	SM2540G	81	89.2	86.8	72.2	87.2	47.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.037 U	0.037 U	0.042 U	0.035 U	0.062 U
Aroclor 1221	SW8082A	0.040 U	0.037 U	0.037 U	0.042 U	0.035 U	0.062 U
Aroclor 1232	SW8082A	0.040 U	0.037 U	0.037 U	0.042 U	0.035 U	0.062 U
Aroclor 1242	SW8082A	0.040 U	0.037 U	0.037 U	0.042 U	0.035 U	0.062 U
Aroclor 1248	SW8082A	0.040 U	0.037 U	0.037 U	0.042 U	0.035 U	0.062 U
Aroclor 1254	SW8082A	0.040 U	3.24	0.037 U	1.49	0.29	0.919
Aroclor 1260	SW8082A	0.040 U	21.6	0.037 U	2.07	0.933	3.44
Total PCB Aroclors (U = 0 max limit)		0.04 U	24.8	0.033 U	3.56	1.2	4.36

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-022-98-E-220907-1.5-1.72 9/7/2022 1.5–1.72 ft	SE-022-98-W-220907-0.5-01 9/7/2022 0.5–1 ft	SE-022-98-W-220907-00-0.5 9/7/2022 0–0.5 ft	SE-022-98-W-220907-01-1.5 9/7/2022 1–1.5 ft	SE-022-98-W-220907-02-2.2 9/7/2022 2–2.2 ft	SE-022-98-W-220907-1.5-02 9/7/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	2.4 J	0.0619 J	0.17 J	0.0687 J	0.111 J	0.073 J
Total solids	SM2540G	74.5	92.8	76.8	87.5	83.8	81.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.035 U	0.042 U	0.035 U	0.036 U	0.036 U
Aroclor 1221	SW8082A	0.043 U	0.035 U	0.042 U	0.035 U	0.036 U	0.036 U
Aroclor 1232	SW8082A	0.043 U	0.035 U	0.042 U	0.035 U	0.036 U	0.036 U
Aroclor 1242	SW8082A	0.043 U	0.035 U	0.042 U	0.035 U	0.036 U	0.036 U
Aroclor 1248	SW8082A	0.043 U	0.035 U	0.042 U	0.035 U	0.036 U	0.036 U
Aroclor 1254	SW8082A	0.043 U	0.035 U	0.042 U	0.035 U	0.036 U	0.036 U
Aroclor 1260	SW8082A	0.043 U	0.035 U	0.0701	0.035 U	0.036 U	0.036 U
Total PCB Aroclors (U = 0 max limit)		0.038 U	0.031 U	0.0701	0.031 U	0.032 U	0.032 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-022-98-W-BD0001 9/7/2022 0–0.5 ft	SE-025-59-C-220909-0.5-01 9/9/2022 0.5–1 ft	SE-025-59-C-220909-00-0.5 9/9/2022 0–0.5 ft	SE-025-59-C-220909-01-1.5 9/9/2022 1–1.5 ft	SE-025-59-C-220909-02-2.1 9/9/2022 2–2.1 ft	SE-025-59-C-220909-1.5-02 9/9/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.214 J	0.246 J	0.892 J	0.186	1.05 J	0.084 J
Total solids	SM2540G	76.3	72.2	78.2	88.2	83.5	88.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.041 U	0.039 U	0.034 U	0.037 U	0.038 U
Aroclor 1221	SW8082A	0.043 U	0.041 U	0.039 U	0.034 U	0.037 U	0.038 U
Aroclor 1232	SW8082A	0.043 U	0.041 U	0.039 U	0.034 U	0.037 U	0.038 U
Aroclor 1242	SW8082A	0.043 U	0.041 U	0.039 U	0.034 U	0.037 U	0.038 U
Aroclor 1248	SW8082A	0.043 U	0.041 U	0.039 U	0.034 U	0.037 U	0.038 U
Aroclor 1254	SW8082A	0.043 U	0.041 U	0.039 U	0.421	0.216	0.226
Aroclor 1260	SW8082A	0.0514	0.373	0.64 J	1.53	0.516	0.75
Total PCB Aroclors (U = 0 max limit)		0.0514	0.373	0.64 J	1.95	0.732	0.98

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-E-220909-0.5-01 9/9/2022 0.5–1 ft	SE-025-59-E-220909-00-0.5 9/9/2022 0–0.5 ft	SE-025-59-E-220909-01-1.35 9/9/2022 1–1.35 ft	SE-025-59-W-220909-0.5-01 9/9/2022 0.5–1 ft	SE-025-59-W-220909-00-0.5 9/9/2022 0–0.5 ft	SE-025-59-W-220909-01-1.5 9/9/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.238 J	0.438 J	0.114 J	0.0649 J	0.0951 J	0.0641 J
Total solids	SM2540G	76	79.8	79.3	72.5	73.7	76.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.042 U	0.040 U	0.042 U	0.040 U	0.039 U
Aroclor 1221	SW8082A	0.044 U	0.042 U	0.040 U	0.042 U	0.040 U	0.039 U
Aroclor 1232	SW8082A	0.044 U	0.042 U	0.040 U	0.042 U	0.040 U	0.039 U
Aroclor 1242	SW8082A	0.044 U	0.042 U	0.040 U	0.042 U	0.040 U	0.039 U
Aroclor 1248	SW8082A	0.044 U	0.042 U	0.040 U	0.042 U	0.040 U	0.039 U
Aroclor 1254	SW8082A	0.044 U	0.171	0.727	0.042 U	0.040 U	0.039 U
Aroclor 1260	SW8082A	0.171	0.248	0.52	0.042 U	0.040 U	0.039 U
Total PCB Aroclors (U = 0 max limit)		0.171	0.419	1.2	0.037 U	0.04 U	0.035 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-W-220909-1.5-1.87 9/9/2022 1.5–1.87 ft	SE-028-11-C-220909-0.5-01 9/9/2022 0.5–1 ft	SE-028-11-C-220909-00-0.5 9/9/2022 0–0.5 ft	SE-028-11-C-220909-01-1.5 9/9/2022 1–1.5 ft	SE-028-11-C-220909-1.5-1.62 9/9/2022 1.5–1.62 ft	SE-028-11-E-220909-0.5-01 9/9/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0737 J	0.103 J	0.296 J	0.468 J	0.35 J	0.703 J
Total solids	SM2540G	75.3	89.1	82.3	76.6	69.3	77.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.035 U	0.038 U	0.043 U	0.047 U	0.040 U
Aroclor 1221	SW8082A	0.044 U	0.035 U	0.038 U	0.043 U	0.047 U	0.040 U
Aroclor 1232	SW8082A	0.044 U	0.035 U	0.038 U	0.043 U	0.047 U	0.040 U
Aroclor 1242	SW8082A	0.044 U	0.035 U	0.038 U	0.043 U	0.047 U	0.040 U
Aroclor 1248	SW8082A	0.044 U	0.035 U	0.038 U	0.043 U	0.047 U	0.040 U
Aroclor 1254	SW8082A	0.044 U	0.299	0.214	0.0779	0.047 U	2.68
Aroclor 1260	SW8082A	0.044 U	1.28	0.659	0.279	0.047 U	4.54
Total PCB Aroclors (U = 0 max limit)		0.039 U	1.58	0.873	0.357	0.042 U	7.22

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-028-11-E-220909-00-0.5 9/9/2022 0–0.5 ft	SE-028-11-E-220909-01-1.5 9/9/2022 1–1.5 ft	SE-028-11-E-220909-1.5-1.77 9/9/2022 1.5–1.77 ft	SE-028-11-W-220909-0.5-01 9/9/2022 0.5–1 ft	SE-028-11-W-220909-00-0.5 9/9/2022 0–0.5 ft	SE-028-11-W-220909-01-1.5 9/9/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.228 J	0.37 J	0.341 J	0.12 J	0.013 UJ	0.0565 J
Total solids	SM2540G	78.2	80.9	77	81.5	77.9	80.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.039 U	0.040 U	0.037 U	0.040 U	0.041 U
Aroclor 1221	SW8082A	0.042 U	0.039 U	0.040 U	0.037 U	0.040 U	0.041 U
Aroclor 1232	SW8082A	0.042 U	0.039 U	0.040 U	0.037 U	0.040 U	0.041 U
Aroclor 1242	SW8082A	0.042 U	0.039 U	0.040 U	0.037 U	0.040 U	0.041 U
Aroclor 1248	SW8082A	0.042 U	0.039 U	0.040 U	0.037 U	0.040 U	0.041 U
Aroclor 1254	SW8082A	1.47	1.74	0.993	0.037 U	0.0267 J	0.041 U
Aroclor 1260	SW8082A	1.6	2.25	2.01	0.037 U	0.0772	0.041 U
Total PCB Aroclors (U = 0 max limit)		3.1	3.99	3	0.033 U	0.104 J	0.036 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-028-11-W-220909-1.5-1.85 9/9/2022 1.5–1.85 ft	SE-028-11-W-BD0001 9/9/2022 0.5–1 ft	SE-030-61-C-220909-0.5-01 9/9/2022 0.5–1 ft	SE-030-61-C-220909-00-0.5 9/9/2022 0–0.5 ft	SE-030-61-C-220909-01-1.5 9/9/2022 1–1.5 ft	SE-030-61-C-220909-02-2.4 9/9/2022 2–2.4 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.109 J	0.0964 J	0.19 J	0.283 J	0.612 J	0.679 J
Total solids	SM2540G	75	88.4	79.1	71.5	65.2	70.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.035 U	0.040 U	0.042 U	0.049 U	0.043 U
Aroclor 1221	SW8082A	0.040 U	0.035 U	0.040 U	0.042 U	0.049 U	0.043 U
Aroclor 1232	SW8082A	0.040 U	0.035 U	0.040 U	0.042 U	0.049 U	0.043 U
Aroclor 1242	SW8082A	0.040 U	0.035 U	0.040 U	0.042 U	0.049 U	0.043 U
Aroclor 1248	SW8082A	0.040 U	0.035 U	0.040 U	0.042 U	0.049 U	0.043 U
Aroclor 1254	SW8082A	0.040 U	0.035 U	0.0345 J	0.118 J	0.049 U	0.043 U
Aroclor 1260	SW8082A	0.040 U	0.035 U	0.0824	0.214	0.049 U	0.043 U
Total PCB Aroclors (U = 0 max limit)		0.04 U	0.031 U	0.117 J	0.332 J	0.044 U	0.039 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-030-61-C-220909-1.5-02 9/9/2022 1.5–2 ft	SE-030-61-E-220909-0.5-01 9/9/2022 0.5–1 ft	SE-030-61-E-220909-00-0.5 9/9/2022 0–0.5 ft	SE-030-61-E-220909-01-1.5 9/9/2022 1–1.5 ft	SE-030-61-E-220909-02-2.25 9/9/2022 2–2.25 ft	SE-030-61-E-220909-1.5-02 9/9/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.754 J	0.455 J	0.487 J	0.481 J	0.592 J	0.461 J
Total solids	SM2540G	58	65	59.9	68.7	74.6	75
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.052 U	0.045 U	0.054 U	0.044 U	0.041 U	0.040 U
Aroclor 1221	SW8082A	0.052 U	0.045 U	0.054 U	0.044 U	0.041 U	0.040 U
Aroclor 1232	SW8082A	0.052 U	0.045 U	0.054 U	0.044 U	0.041 U	0.040 U
Aroclor 1242	SW8082A	0.052 U	0.045 U	0.054 U	0.044 U	0.041 U	0.040 U
Aroclor 1248	SW8082A	0.052 U	0.045 U	0.054 U	0.044 U	0.041 U	0.040 U
Aroclor 1254	SW8082A	0.052 U	0.045 U	0.054 U	0.044 U	0.041 U	0.040 U
Aroclor 1260	SW8082A	0.0264 J	0.045 U	0.054 U	0.044 U	0.0234 J	0.040 U
Total PCB Aroclors (U = 0 max limit)		0.0264 J	0.040 U	0.048 U	0.039 U	0.0234 J	0.04 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-030-61-W-220909-0.5-01 9/9/2022 0.5–1 ft	SE-030-61-W-220909-00-0.5 9/9/2022 0–0.5 ft	SE-030-61-W-220909-01-1.4 9/9/2022 1–1.4 ft	SE-033-10-C-220912-0.5-01 9/12/2022 0.5–1 ft	SE-033-10-C-220912-00-0.5 9/12/2022 0–0.5 ft	SE-033-10-C-220912-01-1.5 9/12/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.179	0.325	0.593	0.24	0.221 J	0.671 J
Total solids	SM2540G	77.5	76.3	74.5	88.1	90.7	82.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.039 U	0.040 U	0.036 U	0.036 U	0.037 U
Aroclor 1221	SW8082A	0.042 U	0.039 U	0.040 U	0.036 U	0.036 U	0.037 U
Aroclor 1232	SW8082A	0.042 U	0.039 U	0.040 U	0.036 U	0.036 U	0.037 U
Aroclor 1242	SW8082A	0.042 U	0.039 U	0.040 U	0.036 U	0.036 U	0.037 U
Aroclor 1248	SW8082A	0.042 U	0.039 U	0.040 U	0.036 UJ	0.036 U	0.037 U
Aroclor 1254	SW8082A	1.15	0.344	143	0.265 J	0.104 J	1.6
Aroclor 1260	SW8082A	5.29	1.41	601	0.378 J	0.239 J	6.56
Total PCB Aroclors (U = 0 max limit)		6.44	1.75	744	0.643 J	0.343 J	8.2

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-033-10-C-220912-1.5-1.97 9/12/2022 1.5–1.97 ft	SE-033-10-C-BD0001 9/12/2022 0–0.5 ft	SE-033-10-E-220912-0.5-01 9/12/2022 0.5–1 ft	SE-033-10-E-220912-00-0.5 9/12/2022 0–0.5 ft	SE-033-10-E-220912-01-1.5 9/12/2022 1–1.5 ft	SE-033-10-E-220912-1.5-02 9/12/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	2.19 J	0.399 J	0.433 J	0.308 J	0.098 J	0.0532 J
Total solids	SM2540G	75.4	88.4	78.3	78	82.4	79.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.035 U	0.039 U	0.039 U	0.039 U	0.041 U
Aroclor 1221	SW8082A	0.040 U	0.035 U	0.039 U	0.039 U	0.039 U	0.041 U
Aroclor 1232	SW8082A	0.040 U	0.035 U	0.039 U	0.039 U	0.039 U	0.041 U
Aroclor 1242	SW8082A	0.040 U	0.035 U	0.039 U	0.039 U	0.039 U	0.041 U
Aroclor 1248	SW8082A	0.040 U	0.035 U	0.039 U	0.039 U	0.039 U	0.041 U
Aroclor 1254	SW8082A	1.16	0.244 J	0.039 U	0.039 U	0.039 U	0.041 U
Aroclor 1260	SW8082A	2.81	0.539 J	2.25	0.294	0.039 U	0.041 U
Total PCB Aroclors (U = 0 max limit)		3.97	0.783 J	2.25	0.294	0.035 U	0.036 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-033-10-W-220912-0.5-01 9/12/2022 0.5–1 ft	SE-033-10-W-220912-00-0.5 9/12/2022 0–0.5 ft	SE-033-10-W-220912-01-1.5 9/12/2022 1–1.5 ft	SE-033-10-W-220912-1.5-1.95 9/12/2022 1.5–1.95 ft	SE-035-62-C-220912-0.5-01 9/12/2022 0.5–1 ft	SE-035-62-C-220912-00-0.5 9/12/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.244 J	0.355 J	0.246 J	0.391 J	0.487 J	0.147 J
Total solids	SM2540G	73	73.5	81.6	89.5	86.8	83.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.044 U	0.039 U	0.035 U	0.038 U	0.040 U
Aroclor 1221	SW8082A	0.045 U	0.044 U	0.039 U	0.035 U	0.038 U	0.040 U
Aroclor 1232	SW8082A	0.045 U	0.044 U	0.039 U	0.035 U	0.038 U	0.040 U
Aroclor 1242	SW8082A	0.045 U	0.044 U	0.039 U	0.035 U	0.038 U	0.040 U
Aroclor 1248	SW8082A	0.045 U	0.044 U	0.039 U	0.035 U	0.038 U	0.040 U
Aroclor 1254	SW8082A	0.045 U	1.94	0.039 U	0.378	1.07	0.646
Aroclor 1260	SW8082A	0.771	10.7	2.27	0.703	2.09	1.28
Total PCB Aroclors (U = 0 max limit)		0.771	12.6	2.27	1.08	3.16	1.93

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-035-62-C-220912-01-1.5 9/12/2022 1–1.5 ft	SE-035-62-C-220912-1.5-1.7 9/12/2022 1.5–1.7 ft	SE-035-62-C-BD0001 9/12/2022 0–0.5 ft	SE-035-62-E-220912-0.5-01 9/12/2022 0.5–1 ft	SE-035-62-E-220912-00-0.5 9/12/2022 0–0.5 ft	SE-035-62-E-220912-01-1.5 9/12/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	2.3 J	2.08 J	0.696 J	0.236	0.16	1.77
Total solids	SM2540G	71.4	62.8	87.5	84.3	90.3	77.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.051 U	0.036 U	0.039 U	0.037 U	0.040 U
Aroclor 1221	SW8082A	0.046 U	0.051 U	0.036 U	0.039 U	0.037 U	0.040 U
Aroclor 1232	SW8082A	0.046 U	0.051 U	0.036 U	0.039 U	0.037 U	0.040 U
Aroclor 1242	SW8082A	0.046 U	0.051 U	0.036 U	0.039 U	0.037 U	0.040 U
Aroclor 1248	SW8082A	0.046 U	0.051 U	0.036 U	0.039 U	0.037 U	0.040 U
Aroclor 1254	SW8082A	3.34	0.838	0.757	0.039 U	0.037 U	0.040 U
Aroclor 1260	SW8082A	3	0.453	1.76	0.039 U	0.368	0.040 U
Total PCB Aroclors (U = 0 max limit)		6.3	1.29	2.52	0.035 U	0.368	0.04 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-035-62-W-220912-0.5-01 9/12/2022 0.5–1 ft	SE-035-62-W-220912-00-0.5 9/12/2022 0–0.5 ft	SE-035-62-W-220912-01-1.5 9/12/2022 1–1.5 ft	SE-035-62-W-220912-1.5-1.65 9/12/2022 1.5–1.65 ft	SE-038-10-C-220914-0.5-01 9/14/2022 0.5–1 ft	SE-038-10-C-220914-00-0.5 9/14/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.188	1.59	0.352	0.245	0.279	7.94
Total solids	SM2540G	75.6	76.1	75	88.7	82.5	80.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.040 U	0.040 U	0.035 U	0.037 U	0.041 U
Aroclor 1221	SW8082A	0.043 U	0.040 U	0.040 U	0.035 U	0.037 U	0.041 U
Aroclor 1232	SW8082A	0.043 U	0.040 U	0.040 U	0.035 U	0.037 U	0.041 U
Aroclor 1242	SW8082A	0.043 U	0.040 U	0.040 U	0.035 U	0.037 U	0.041 U
Aroclor 1248	SW8082A	0.043 U	0.040 U	0.040 U	0.035 U	0.037 U	0.041 U
Aroclor 1254	SW8082A	1.2	0.249	0.040 U	2.2	0.037 U	0.211
Aroclor 1260	SW8082A	4.92	0.664	0.040 U	2.41	0.465	0.406
Total PCB Aroclors (U = 0 max limit)		6.1	0.913	0.04 U	4.6	0.465	0.617

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-038-10-C-220914-01-1.2 9/14/2022 1–1.2 ft	SE-038-10-E-220914-0.5-01 9/14/2022 0.5–1 ft	SE-038-10-E-220914-00-0.5 9/14/2022 0–0.5 ft	SE-038-10-E-220914-01-1.5 9/14/2022 1–1.5 ft	SE-038-10-E-220914-1.5-1.75 9/14/2022 1.5–1.75 ft	SE-038-10-W-220914-0.5-01 9/14/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.924	0.437	0.219	0.214	0.123	1.83
Total solids	SM2540G	78.2	85.2	83.4	86.4	78.4	64.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.037 U	0.035 U	0.034 U	0.038 U	0.049 U
Aroclor 1221	SW8082A	0.042 U	0.037 U	0.035 U	0.034 U	0.038 U	0.049 U
Aroclor 1232	SW8082A	0.042 U	0.037 U	0.035 U	0.034 U	0.038 U	0.049 U
Aroclor 1242	SW8082A	0.042 U	0.037 U	0.035 U	0.034 U	0.038 U	0.049 U
Aroclor 1248	SW8082A	0.042 U	0.037 U	0.035 U	0.034 U	0.038 U	0.049 U
Aroclor 1254	SW8082A	2.61 J	0.417	0.035 U	0.034 U	0.038 U	0.049 U
Aroclor 1260	SW8082A	9.75 J	0.753	1.28	0.469	0.038 U	0.175 J
Total PCB Aroclors (U = 0 max limit)		12.4 J	1.17	1.28	0.469	0.034 U	0.175 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-038-10-W-220914-00-0.5 9/14/2022 0–0.5 ft	SE-038-10-W-220914-01-1.5 9/14/2022 1–1.5 ft	SE-038-10-W-220914-1.5-1.85 9/14/2022 1.5–1.85 ft	SE-038-10-W-G-220914-00-1.75 9/14/2022 0–1.75 ft	SE-040-65-C-220915-0.5-0.73 9/15/2022 0.5–0.73 ft	SE-040-65-C-220915-00-0.5 9/15/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	48.5	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.27	0.342	0.088	--	0.261	2.55
Total solids	SM2540G	66.1	74.3	77.6	--	85.3	67.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0.33	--	--
Percent passing (hydrometer 1)	D422	--	--	--	10	--	--
Percent passing (hydrometer 2)	D422	--	--	--	4	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3.1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	35.9	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	99	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	99.7	--	--
Percent passing 50-micron sieve	D422	--	--	--	84.6	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	18.5	--	--
Percent passing 8.0 micron	D422	--	--	--	99.2	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	98.8	--	--
Percent retained 30-micron sieve	D422	--	--	--	96.5	--	--
Sand	D422	--	--	--	81.2	--	--
Silt	D422	--	--	--	18.5	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.041 U	0.038 U	--	0.036 U	0.048 U
Aroclor 1221	SW8082A	0.043 U	0.041 U	0.038 U	--	0.036 U	0.048 U
Aroclor 1232	SW8082A	0.043 U	0.041 U	0.038 U	--	0.036 U	0.048 U
Aroclor 1242	SW8082A	0.043 U	0.041 U	0.038 U	--	0.036 U	0.048 U
Aroclor 1248	SW8082A	0.043 U	0.041 U	0.038 U	--	0.036 U	0.048 U
Aroclor 1254	SW8082A	0.043 U	0.041 U	0.038 U	--	0.036 U	0.048 U
Aroclor 1260	SW8082A	0.0949 J	0.041 U	0.038 U	--	0.036 U	0.048 U
Total PCB Aroclors (U = 0 max limit)		0.0949 J	0.036 U	0.034 U	--	0.032 U	0.042 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-040-65-E-220915-0.5-01 9/15/2022 0.5–1 ft	SE-040-65-E-220915-00-0.5 9/15/2022 0–0.5 ft	SE-040-65-E-220915-01-1.5 9/15/2022 1–1.5 ft	SE-040-65-E-220915-1.5-1.6 9/15/2022 1.5–1.6 ft	SE-040-65-W-220915-0.5-01 9/15/2022 0.5–1 ft	SE-040-65-W-220915-00-0.5 9/15/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.903	0.47	2.52	1.46	0.987	0.849
Total solids	SM2540G	80.8	89.6	64.4	74.4	73.3	83
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.036 U	0.049 U	0.041 U	0.042 U	0.036 U
Aroclor 1221	SW8082A	0.040 U	0.036 U	0.049 U	0.041 U	0.042 U	0.036 U
Aroclor 1232	SW8082A	0.040 U	0.036 U	0.049 U	0.041 U	0.042 U	0.036 U
Aroclor 1242	SW8082A	0.040 U	0.036 U	0.049 U	0.041 U	0.042 U	0.036 U
Aroclor 1248	SW8082A	0.040 U	0.036 U	0.049 U	0.041 U	0.042 U	0.036 U
Aroclor 1254	SW8082A	0.205 J	0.0817	0.725 J	0.495 J	0.34	0.902
Aroclor 1260	SW8082A	1.23	0.466	3.59	2.68	0.427	2.08
Total PCB Aroclors (U = 0 max limit)		1.44 J	0.548	4.32 J	3.18 J	0.77	2.98

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-040-65-W-220915-01-1.5 9/15/2022 1–1.5 ft	SE-040-65-W-220915-1.5-1.65 9/15/2022 1.5–1.65 ft	SE-043-16-C-220915-0.5-01 9/15/2022 0.5–1 ft	SE-043-16-C-220915-00-0.5 9/15/2022 0–0.5 ft	SE-043-16-C-BD0001 9/15/2022 0–0.5 ft	SE-043-16-E-220915-0.5-01 9/15/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.241	0.181	0.918	0.27	0.181	1.72
Total solids	SM2540G	76.2	80.2	86.5	91	89	76.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.037 U	0.039 U	0.034 U	0.033 U	0.041 U
Aroclor 1221	SW8082A	0.040 U	0.037 U	0.039 U	0.034 U	0.033 U	0.041 U
Aroclor 1232	SW8082A	0.040 U	0.037 U	0.039 U	0.034 U	0.033 U	0.041 U
Aroclor 1242	SW8082A	0.040 U	0.037 U	0.039 U	0.034 U	0.033 U	0.041 U
Aroclor 1248	SW8082A	0.040 U	0.037 U	0.039 U	0.034 U	0.033 U	0.041 U
Aroclor 1254	SW8082A	0.040 U	0.037 U	0.95	0.256	0.245	0.512
Aroclor 1260	SW8082A	0.040 U	0.037 U	8.09	0.661	0.762	2.76
Total PCB Aroclors (U = 0 max limit)		0.04 U	0.033 U	9	0.917	1.01	3.27

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-E-220915-00-0.5 9/15/2022 0–0.5 ft	SE-043-16-E-220915-01-1.5 9/15/2022 1–1.5 ft	SE-043-16-E-220915-1.5-1.7 9/15/2022 1.5–1.7 ft	SE-043-16-W-220915-0.5-01 9/15/2022 0.5–1 ft	SE-043-16-W-220915-00-0.5 9/15/2022 0–0.5 ft	SE-043-16-W-220915-01-1.5 9/15/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.808	0.302 J	0.835 J	0.789 J	0.299 J	1.28
Total solids	SM2540G	82.9	77.4	71.1	89.3	79.6	73.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.041 U	0.044 U	0.033 U	0.039 U	0.041 U
Aroclor 1221	SW8082A	0.040 U	0.041 U	0.044 U	0.033 U	0.039 U	0.041 U
Aroclor 1232	SW8082A	0.040 U	0.041 U	0.044 U	0.033 U	0.039 U	0.041 U
Aroclor 1242	SW8082A	0.040 U	0.041 U	0.044 U	0.033 U	0.039 U	0.041 U
Aroclor 1248	SW8082A	0.040 U	0.041 U	0.044 U	0.033 U	0.039 U	0.041 U
Aroclor 1254	SW8082A	0.498	0.041 U	0.044 U	4.02	0.255	10.4
Aroclor 1260	SW8082A	1.5	0.041 U	0.044 U	10.3	1.57	13.7
Total PCB Aroclors (U = 0 max limit)		2	0.037 U	0.039 U	14.3	1.83	24.1

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-W-220915-1.5-1.65 9/15/2022 1.5–1.65 ft	SE-045-68-C-220915-0.5-01 9/15/2022 0.5–1 ft	SE-045-68-C-220915-00-0.5 9/15/2022 0–0.5 ft	SE-045-68-C-220915-01-1.5 9/15/2022 1–1.5 ft	SE-045-68-C-220915-1.5-1.9 9/15/2022 1.5–1.9 ft	SE-045-68-E-220915-0.5-01 9/15/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.75 J	0.617 J	0.279 J	0.0794 J	0.158 J	0.467 J
Total solids	SM2540G	70	87.6	93.5	74.7	78.3	84.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.038 U	0.033 U	0.043 U	0.038 U	0.035 U
Aroclor 1221	SW8082A	0.047 U	0.038 U	0.033 U	0.043 U	0.038 U	0.035 U
Aroclor 1232	SW8082A	0.047 U	0.038 U	0.033 U	0.043 U	0.038 U	0.035 U
Aroclor 1242	SW8082A	0.047 U	0.038 U	0.033 U	0.043 U	0.038 U	0.035 U
Aroclor 1248	SW8082A	0.047 U	0.038 U	0.033 U	0.043 U	0.038 U	0.035 U
Aroclor 1254	SW8082A	0.163	0.216 J	0.0578	0.043 U	0.038 U	0.228
Aroclor 1260	SW8082A	0.291	0.503	0.22	0.043 U	0.038 U	0.765
Total PCB Aroclors (U = 0 max limit)		0.454	0.719 J	0.28	0.038 U	0.034 U	0.993

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-045-68-E-220915-00-0.5 9/15/2022 0–0.5 ft	SE-045-68-E-220915-01-1.5 9/15/2022 1–1.5 ft	SE-045-68-E-220915-1.5-02 9/15/2022 1.5–2 ft	SE-045-68-E-BD0001 9/15/2022 0.5–1 ft	SE-045-68-W-220915-0.5-01 9/15/2022 0.5–1 ft	SE-045-68-W-220915-00-0.5 9/15/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.583 J	0.54 J	1.09 J	0.292 J	1.05 J	0.766 J
Total solids	SM2540G	89	92.1	90.2	84.1	73.6	89.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.033 U	0.037 U	0.039 U	0.045 U	0.034 U
Aroclor 1221	SW8082A	0.036 U	0.033 U	0.037 U	0.039 U	0.045 U	0.034 U
Aroclor 1232	SW8082A	0.036 U	0.033 U	0.037 U	0.039 U	0.045 U	0.034 U
Aroclor 1242	SW8082A	0.036 U	0.033 U	0.037 U	0.039 U	0.045 U	0.034 U
Aroclor 1248	SW8082A	0.036 U	0.033 U	0.037 U	0.039 U	0.045 U	0.034 U
Aroclor 1254	SW8082A	0.37	0.194 J	0.422	0.219	0.045 U	0.229
Aroclor 1260	SW8082A	1.69	0.539 J	2.05	0.884	0.045 U	0.439
Total PCB Aroclors (U = 0 max limit)		2.1	0.733 J	2.47	1.1	0.040 U	0.668

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-045-68-W-220915-01-1.42 9/15/2022 1–1.42 ft	SE-048-18-C-220916-0.5-01 9/16/2022 0.5–1 ft	SE-048-18-C-220916-00-0.5 9/16/2022 0–0.5 ft	SE-048-18-C-220916-01-1.5 9/16/2022 1–1.5 ft	SE-048-18-E-220916-0.5-01 9/16/2022 0.5–1 ft	SE-048-18-E-220916-00-0.5 9/16/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.869 J	0.364 J	1.19 J	0.106 J	0.195 J	0.149 J
Total solids	SM2540G	73.1	79.7	78.5	79.3	80.1	73.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.041 U	0.042 U	0.040 U	0.041 U	0.046 U
Aroclor 1221	SW8082A	0.042 U	0.041 U	0.042 U	0.040 U	0.041 U	0.046 U
Aroclor 1232	SW8082A	0.042 U	0.041 U	0.042 U	0.040 U	0.041 U	0.046 U
Aroclor 1242	SW8082A	0.042 U	0.041 U	0.042 U	0.040 U	0.041 U	0.046 U
Aroclor 1248	SW8082A	0.042 U	0.041 U	0.042 U	0.040 U	0.041 U	0.046 U
Aroclor 1254	SW8082A	0.042 U	0.889	0.126	0.736	0.354	0.0964
Aroclor 1260	SW8082A	0.042 U	18.9	0.973	2.93	1.41	0.348
Total PCB Aroclors (U = 0 max limit)		0.037 U	19.8	1.1	3.67	1.76	0.444

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-048-18-E-220916-01-1.5 9/16/2022 1–1.5 ft	SE-048-18-E-220916-1.5-1.9 9/16/2022 1.5–1.9 ft	SE-048-18-W-220916-0.5-01 9/16/2022 0.5–1 ft	SE-048-18-W-220916-00-0.5 9/16/2022 0–0.5 ft	SE-048-18-W-220916-01-1.5 9/16/2022 1–1.5 ft	SE-048-18-W-220916-1.5-1.75 9/16/2022 1.5–1.75 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.03 J	0.189 J	0.231 J	2.33 J	1.38 J	3.49 J
Total solids	SM2540G	81.9	84.3	81.6	54.9	85.3	65.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.037 U	0.041 U	0.061 U	0.038 U	0.048 U
Aroclor 1221	SW8082A	0.038 U	0.037 U	0.041 U	0.061 U	0.038 U	0.048 U
Aroclor 1232	SW8082A	0.038 U	0.037 U	0.041 U	0.061 U	0.038 U	0.048 U
Aroclor 1242	SW8082A	0.038 U	0.037 U	0.041 U	0.061 U	0.038 U	9.13 J
Aroclor 1248	SW8082A	0.038 U	0.037 U	0.041 U	0.061 U	0.038 U	0.048 U
Aroclor 1254	SW8082A	4.52	0.507	0.702	1.93	0.897	10.4
Aroclor 1260	SW8082A	8.9	2.37	2.8	5.65	7.33	30.5
Total PCB Aroclors (U = 0 max limit)		13	2.88	3.5	7.58	8.23	50.0 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-050-67-C-220916-0.5-0.91 9/16/2022 0.5–0.91 ft	SE-050-67-C-220916-00-0.5 9/16/2022 0–0.5 ft	SE-050-67-E-220916-0.5-01 9/16/2022 0.5–1 ft	SE-050-67-E-220916-00-0.5 9/16/2022 0–0.5 ft	SE-050-67-E-220916-01-1.35 9/16/2022 1–1.35 ft	SE-053-14-C-220916-0.5-01 9/16/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.113 J	0.562 J	0.531 J	0.48 J	0.375 J	0.187
Total solids	SM2540G	81	74.7	83.4	77.2	84	71
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.042 U	0.038 U	0.042 U	0.037 U	0.044 U
Aroclor 1221	SW8082A	0.041 U	0.042 U	0.038 U	0.042 U	0.037 U	0.044 U
Aroclor 1232	SW8082A	0.041 U	0.042 U	0.038 U	0.042 U	0.037 U	0.044 U
Aroclor 1242	SW8082A	0.041 U	0.042 U	0.038 U	0.042 U	0.037 U	0.044 U
Aroclor 1248	SW8082A	0.041 U	0.042 U	0.038 U	0.042 U	0.037 U	0.044 U
Aroclor 1254	SW8082A	0.187	0.167	1.97	0.173	0.722	0.156
Aroclor 1260	SW8082A	0.24	0.556	9.18	0.625	1.55	0.492
Total PCB Aroclors (U = 0 max limit)		0.43	0.723	11.2	0.798	2.27	0.648

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-053-14-C-220916-00-0.5 9/16/2022 0–0.5 ft	SE-053-14-C-220916-01-1.5 9/16/2022 1–1.5 ft	SE-053-14-C-220916-1.5-1.88 9/16/2022 1.5–1.88 ft	SE-053-14-E-220916-0.5-01 9/16/2022 0.5–1 ft	SE-053-14-E-220916-00-0.5 9/16/2022 0–0.5 ft	SE-053-14-E-220916-01-1.5 9/16/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.16 J	6.09 J	4.53 J	2.2 J	5.87 J	0.437 J
Total solids	SM2540G	77.9	40.3	45.5	81.4	67.9	76.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.083 U	0.073 U	0.039 U	0.048 U	0.039 U
Aroclor 1221	SW8082A	0.041 U	0.083 U	0.073 U	0.039 U	0.048 U	0.039 U
Aroclor 1232	SW8082A	0.041 U	0.083 U	0.073 U	0.039 U	0.048 U	0.039 U
Aroclor 1242	SW8082A	0.041 U	0.083 U	0.073 U	0.039 U	0.048 U	0.039 U
Aroclor 1248	SW8082A	0.041 U	0.083 U	0.073 U	0.039 U	0.048 U	0.039 U
Aroclor 1254	SW8082A	0.123	1.05	1.66	0.127 J	0.397	0.146
Aroclor 1260	SW8082A	0.354	2.83	3.14	0.26 J	1.38 J	0.305
Total PCB Aroclors (U = 0 max limit)		0.477	3.88	4.8	0.39 J	1.78 J	0.451

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-053-14-E-220916-1.5-1.95 9/16/2022 1.5–1.95 ft	SE-053-14-E-BD0001 9/16/2022 0–0.5 ft	SE-053-14-W-220916-0.5-01 9/16/2022 0.5–1 ft	SE-053-14-W-220916-00-0.5 9/16/2022 0–0.5 ft	SE-053-14-W-220916-01-1.5 9/16/2022 1–1.5 ft	SE-053-14-W-220916-1.5-1.63 9/16/2022 1.5–1.63 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.326 J	0.196 J	0.501 J	0.331 J	1.11 J	0.0844 J
Total solids	SM2540G	75.7	74.7	77.4	76.6	86.1	72.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.041 U	0.039 U	0.039 U	0.037 U	0.046 U
Aroclor 1221	SW8082A	0.044 U	0.041 U	0.039 U	0.039 U	0.037 U	0.046 U
Aroclor 1232	SW8082A	0.044 U	0.041 U	0.039 U	0.039 U	0.037 U	0.046 U
Aroclor 1242	SW8082A	0.044 U	0.041 U	0.039 U	0.039 U	0.037 U	0.046 U
Aroclor 1248	SW8082A	0.044 U	0.041 U	0.039 U	0.039 U	0.037 U	0.046 U
Aroclor 1254	SW8082A	0.216	0.346	0.12	0.0998	0.305	0.205
Aroclor 1260	SW8082A	0.365	0.51 J	0.177	0.189	0.469	0.268
Total PCB Aroclors (U = 0 max limit)		0.581	0.86 J	0.3	0.289	0.774	0.473

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-055-67-W-220916-0.5-01 9/16/2022 0.5–1 ft	SE-055-67-W-220916-00-0.5 9/16/2022 0–0.5 ft	SE-055-67-W-220916-01-1.5 9/16/2022 1–1.5 ft	SE-055-67-W-G-220916-00-1.58 9/16/2022 0–1.58 ft	SE-058-17-C-220916-0.5-01 9/16/2022 0.5–1 ft	SE-058-17-C-220916-00-0.5 9/16/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	32.8	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.527 J	0.788 J	0.743 J	--	0.226 J	0.139 J
Total solids	SM2540G	77.3	67.6	74.4	--	79.9	79.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	57	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	1.3	--	--
Percent passing (hydrometer 1)	D422	--	--	--	4.7	--	--
Percent passing (hydrometer 2)	D422	--	--	--	2.8	--	--
Percent passing (hydrometer 3)	D422	--	--	--	2.8	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	6.8	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	95.7	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	98.7	--	--
Percent passing 50-micron sieve	D422	--	--	--	29.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	5	--	--
Percent passing 8.0 micron	D422	--	--	--	96.5	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	90	--	--
Percent retained 30-micron sieve	D422	--	--	--	75	--	--
Sand	D422	--	--	--	93.8	--	--
Silt	D422	--	--	--	5	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.045 U	0.044 U	--	0.042 U	0.039 U
Aroclor 1221	SW8082A	0.040 U	0.045 U	0.044 U	--	0.042 U	0.039 U
Aroclor 1232	SW8082A	0.040 U	0.045 U	0.044 U	--	0.042 U	0.039 U
Aroclor 1242	SW8082A	0.040 U	0.045 U	0.044 U	--	0.042 U	0.039 U
Aroclor 1248	SW8082A	0.040 U	0.045 U	0.044 U	--	0.042 U	0.039 U
Aroclor 1254	SW8082A	2.49 J	0.454	0.639	--	2.97	0.389
Aroclor 1260	SW8082A	23.9	1.03	2.44	--	6.19	0.761
Total PCB Aroclors (U = 0 max limit)		26.4 J	1.48	3.08	--	9.16	1.15

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-058-17-C-220916-01-1.5 9/16/2022 1–1.5 ft	SE-058-17-C-220916-1.5-1.7 9/16/2022 1.5–1.7 ft	SE-058-17-E-220916-0.5-01 9/16/2022 0.5–1 ft	SE-058-17-E-220916-00-0.5 9/16/2022 0–0.5 ft	SE-058-17-E-220916-01-1.49 9/16/2022 1–1.49 ft	SE-058-17-W-220916-0.5-01 9/16/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	3.04 J	0.207 J	0.382 J	0.0927 J	0.623 J	0.186 J
Total solids	SM2540G	68.4	87	78.8	80.4	70.9	80.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.036 U	0.041 U	0.039 U	0.044 U	0.037 U
Aroclor 1221	SW8082A	0.046 U	0.036 U	0.041 U	0.039 U	0.044 U	0.037 U
Aroclor 1232	SW8082A	0.046 U	0.036 U	0.041 U	0.039 U	0.044 U	0.037 U
Aroclor 1242	SW8082A	0.046 U	0.036 U	0.041 U	0.039 U	0.044 U	0.037 U
Aroclor 1248	SW8082A	0.046 U	0.036 U	0.041 U	0.039 U	0.044 U	0.037 U
Aroclor 1254	SW8082A	7.8	0.0588	0.793	0.375	1.03	0.324
Aroclor 1260	SW8082A	19.5	0.106	0.958	0.362	1.62	1.3
Total PCB Aroclors (U = 0 max limit)		27	0.165	1.75	0.737	2.65	1.6

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-058-17-W-220916-00-0.5 9/16/2022 0–0.5 ft	SE-058-17-W-220916-01-1.5 9/16/2022 1–1.5 ft	SE-058-17-W-220916-1.5-1.86 9/16/2022 1.5–1.86 ft	SE-060-66-C-220919-0.5-01 9/19/2022 0.5–1 ft	SE-060-66-C-220919-00-0.5 9/19/2022 0–0.5 ft	SE-060-66-C-220919-01-1.41 9/19/2022 1–1.41 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.184 J	0.0975 J	0.173 J	0.875 J	0.365 J	0.0867 J
Total solids	SM2540G	72.5	90.9	75.8	67.8	73.6	84.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.036 U	0.039 U	0.049 U	0.041 U	0.035 U
Aroclor 1221	SW8082A	0.045 U	0.036 U	0.039 U	0.049 U	0.041 U	0.035 U
Aroclor 1232	SW8082A	0.045 U	0.036 U	0.039 U	0.049 U	0.041 U	0.035 U
Aroclor 1242	SW8082A	0.045 U	0.036 U	0.039 U	0.049 U	0.041 U	0.035 U
Aroclor 1248	SW8082A	0.045 U	0.036 U	0.039 U	0.049 U	0.041 U	0.035 U
Aroclor 1254	SW8082A	0.23	0.0623	0.039 U	0.049 U	0.188	0.035 U
Aroclor 1260	SW8082A	1.02	0.126	0.331 J	0.049 U	0.279	0.035 U
Total PCB Aroclors (U = 0 max limit)		1.3	0.188	0.331 J	0.044 U	0.467	0.031 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-060-66-E-220919-0.5-01 9/19/2022 0.5–1 ft	SE-060-66-E-220919-00-0.5 9/19/2022 0–0.5 ft	SE-060-66-E-220919-01-1.5 9/19/2022 1–1.5 ft	SE-060-66-E-BD0001 9/19/2022 0.5–1 ft	SE-060-66-W-220919-0.5-01 9/19/2022 0.5–1 ft	SE-060-66-W-220919-00-0.5 9/19/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.81 J	0.245 J	0.114 J	0.496 J	0.222 J	0.181 J
Total solids	SM2540G	77.8	76	81.9	88.6	70.4	78.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.041 U	0.039 U	0.033 U	0.047 U	0.037 U
Aroclor 1221	SW8082A	0.038 U	0.041 U	0.039 U	0.033 U	0.047 U	0.037 U
Aroclor 1232	SW8082A	0.038 U	0.041 U	0.039 U	0.033 U	0.047 U	0.037 U
Aroclor 1242	SW8082A	0.038 U	0.041 U	0.039 U	0.033 U	0.047 U	0.037 U
Aroclor 1248	SW8082A	0.038 U	0.041 U	0.039 U	0.033 U	0.047 U	0.037 U
Aroclor 1254	SW8082A	1.34 J	1.04	0.039 U	0.695 J	0.047 U	1.14
Aroclor 1260	SW8082A	1.09 J	0.682	0.0531	0.586 J	0.047 U	5.75
Total PCB Aroclors (U = 0 max limit)		2.43 J	1.72	0.0531	1.28 J	0.042 U	6.89

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-060-66-W-220919-01-1.3 9/19/2022 1–1.3 ft	SE-063-17-C-220919-0.5-01 9/19/2022 0.5–1 ft	SE-063-17-C-220919-00-0.5 9/19/2022 0–0.5 ft	SE-063-17-C-220919-01-1.5 9/19/2022 1–1.5 ft	SE-063-17-C-220919-1.5-1.65 9/19/2022 1.5–1.65 ft	SE-063-17-E-220919-0.5-01 9/19/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.15 J	0.801 J	1.19 J	0.0978 J	0.0448 J	0.555 J
Total solids	SM2540G	74.4	68.9	78.1	78.7	80.9	82.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.045 U	0.038 U	0.041 U	0.041 U	0.037 U
Aroclor 1221	SW8082A	0.044 U	0.045 U	0.038 U	0.041 U	0.041 U	0.037 U
Aroclor 1232	SW8082A	0.044 U	0.045 U	0.038 U	0.041 U	0.041 U	0.037 U
Aroclor 1242	SW8082A	0.044 U	0.045 U	0.038 U	0.041 U	0.041 U	0.037 U
Aroclor 1248	SW8082A	0.044 U	0.045 U	0.038 U	0.041 U	0.041 U	0.037 U
Aroclor 1254	SW8082A	0.248	11.3	0.038 U	0.041 U	0.041 U	0.197
Aroclor 1260	SW8082A	0.479	82.9	1.15	0.041 U	0.041 U	0.139
Total PCB Aroclors (U = 0 max limit)		0.727	94.2	1.15	0.037 U	0.037 U	0.336

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-063-17-E-220919-00-0.5 9/19/2022 0–0.5 ft	SE-063-17-E-220919-01-1.5 9/19/2022 1–1.5 ft	SE-063-17-E-220919-1.5-1.7 9/19/2022 1.5–1.7 ft	SE-063-17-W-220919-0.5-01 9/19/2022 0.5–1 ft	SE-063-17-W-220919-00-0.5 9/19/2022 0–0.5 ft	SE-063-17-W-220919-01-1.5 9/19/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	7.46 J	0.139 J	0.155 J	0.0983 J	0.2 J	0.207 J
Total solids	SM2540G	80.4	81	81.8	74.2	74.7	73.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.040 U	0.038 U	0.044 U	0.045 U	0.042 U
Aroclor 1221	SW8082A	0.039 U	0.040 U	0.038 U	0.044 U	0.045 U	0.042 U
Aroclor 1232	SW8082A	0.039 U	0.040 U	0.038 U	0.044 U	0.045 U	0.042 U
Aroclor 1242	SW8082A	0.039 U	0.040 U	0.038 U	0.044 U	0.045 U	0.042 U
Aroclor 1248	SW8082A	0.039 U	0.040 U	0.038 U	0.044 U	0.045 U	0.042 U
Aroclor 1254	SW8082A	1.2	0.0360 J	0.0455	0.516	0.537	0.042 U
Aroclor 1260	SW8082A	1.13	0.0381 J	0.043	2.98	2.59	0.116
Total PCB Aroclors (U = 0 max limit)		2.3	0.0741 J	0.0885	3.5	3.13	0.116

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-065-69-C-220920-0.5-01 9/20/2022 0.5–1 ft	SE-065-69-C-220920-00-0.5 9/20/2022 0–0.5 ft	SE-065-69-C-220920-01-1.5 9/20/2022 1–1.5 ft	SE-065-69-C-220920-1.5-1.84 9/20/2022 1.5–1.84 ft	SE-065-69-C-BD0001 9/20/2022 0.5–1 ft	SE-065-69-E-220920-0.5-01 9/20/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.15 J	2.99 J	1.44 J	0.0569 J	0.95 J	5.93 J
Total solids	SM2540G	86.8	81.8	74.2	79.7	76.3	62.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.040 U	0.044 U	0.039 U	0.039 U	0.049 U
Aroclor 1221	SW8082A	0.036 U	0.040 U	0.044 U	0.039 U	0.039 U	0.049 U
Aroclor 1232	SW8082A	0.036 U	0.040 U	0.044 U	0.039 U	0.039 U	0.049 U
Aroclor 1242	SW8082A	0.036 U	0.040 U	0.044 U	0.039 U	0.039 U	0.049 U
Aroclor 1248	SW8082A	0.036 U	0.040 U	0.044 U	0.039 U	0.039 U	0.049 U
Aroclor 1254	SW8082A	7.53 J	0.288 J	0.044 U	0.039 U	1.18 J	0.2
Aroclor 1260	SW8082A	39.3 J	0.627 J	0.044 U	0.039 U	9.28 J	0.104
Total PCB Aroclors (U = 0 max limit)		46.8 J	0.915 J	0.039 U	0.035 U	10.5 J	0.3

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-065-69-E-220920-00-0.5 9/20/2022 0–0.5 ft	SE-065-69-E-220920-01-1.45 9/20/2022 1–1.45 ft	SE-065-69-W-220920-0.5-01 9/20/2022 0.5–1 ft	SE-065-69-W-220920-00-0.5 9/20/2022 0–0.5 ft	SE-065-69-W-220920-01-1.5 9/20/2022 1–1.5 ft	SE-065-69-W-220920-1.5-1.73 9/20/2022 1.5–1.73 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.22 J	0.632 J	0.105 J	0.226 J	0.373 J	0.468 J
Total solids	SM2540G	69.2	56.1	77.8	77.1	58.4	65.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.056 U	0.041 U	0.040 U	0.056 U	0.048 U
Aroclor 1221	SW8082A	0.045 U	0.056 U	0.041 U	0.040 U	0.056 U	0.048 U
Aroclor 1232	SW8082A	0.045 U	0.056 U	0.041 U	0.040 U	0.056 U	0.048 U
Aroclor 1242	SW8082A	0.045 U	0.056 U	0.041 U	0.040 U	0.056 U	0.048 U
Aroclor 1248	SW8082A	0.045 U	0.056 U	0.041 U	0.040 U	0.056 U	0.048 U
Aroclor 1254	SW8082A	0.859	0.056 U	0.12 J	1.66	0.056 U	0.048 U
Aroclor 1260	SW8082A	3.67	0.056 U	0.279 J	15.2	0.0435 J	0.048 U
Total PCB Aroclors (U = 0 max limit)		4.53	0.050 U	0.40 J	16.9	0.0435 J	0.043 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-068-20-C-220920-0.5-01 9/20/2022 0.5–1 ft	SE-068-20-C-220920-00-0.5 9/20/2022 0–0.5 ft	SE-068-20-C-220920-01-1.5 9/20/2022 1–1.5 ft	SE-068-20-E-220920-00-0.45 9/20/2022 0–0.45 ft	SE-068-20-W-220920-0.5-01 9/20/2022 0.5–1 ft	SE-068-20-W-220920-00-0.5 9/20/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.194 J	0.265 J	0.118 J	1.91 J	0.496 J	0.194 J
Total solids	SM2540G	72.3	77.5	80	59.1	73.4	68.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.039 U	0.040 U	0.053 U	0.043 U	0.046 U
Aroclor 1221	SW8082A	0.042 U	0.039 U	0.040 U	0.053 U	0.043 U	0.046 U
Aroclor 1232	SW8082A	0.042 U	0.039 U	0.040 U	0.053 U	0.043 U	0.046 U
Aroclor 1242	SW8082A	0.042 U	0.039 U	0.040 U	0.053 U	0.043 U	0.046 U
Aroclor 1248	SW8082A	0.042 U	0.039 U	0.040 U	0.053 U	0.043 U	0.046 U
Aroclor 1254	SW8082A	0.475	0.201	0.191	1.39	3.15	0.681
Aroclor 1260	SW8082A	1.46	0.342	0.369	5.19	11.1	2.28
Total PCB Aroclors (U = 0 max limit)		1.94	0.543	0.56	6.58	14.3	2.96

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-068-20-W-220920-01-1.5 9/20/2022 1–1.5 ft	SE-068-20-W-220920-1.5-1.7 9/20/2022 1.5–1.7 ft	SE-068-20-W-G-220920-00-1.7 9/20/2022 0–1.7 ft	SE-070-71-C-220920-0.5-01 9/20/2022 0.5–1 ft	SE-070-71-C-220920-00-0.5 9/20/2022 0–0.5 ft	SE-070-71-C-220920-01-1.5 9/20/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	31.4	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.126 J	0.26 J	--	0.994 J	0.332 J	0.745 J
Total solids	SM2540G	69.9	75.8	--	69	74.1	76.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	4.8	--	--	--
Percent passing (hydrometer 1)	D422	--	--	1.9 U	--	--	--
Percent passing (hydrometer 2)	D422	--	--	1.9 U	--	--	--
Percent passing (hydrometer 3)	D422	--	--	1.9 U	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	97.7	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	2.9	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	90.1	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	95.2	--	--	--
Percent passing 50-micron sieve	D422	--	--	13.4	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	1.9	--	--	--
Percent passing 8.0 micron	D422	--	--	90.8	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	85.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	60.4	--	--	--
Sand	D422	--	--	93.4	--	--	--
Silt	D422	--	--	1.9	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.039 U	--	0.048 U	0.042 U	0.040 U
Aroclor 1221	SW8082A	0.043 U	0.039 U	--	0.048 U	0.042 U	0.040 U
Aroclor 1232	SW8082A	0.043 U	0.039 U	--	0.048 U	0.042 U	0.040 U
Aroclor 1242	SW8082A	0.043 U	0.039 U	--	0.048 U	0.042 U	0.040 U
Aroclor 1248	SW8082A	0.043 U	0.039 U	--	0.048 U	0.042 U	0.040 U
Aroclor 1254	SW8082A	3.1	2.05	--	1.23	0.158	0.36
Aroclor 1260	SW8082A	18.1	6.52	--	7.06	0.707	1.69
Total PCB Aroclors (U = 0 max limit)		21	8.57	--	8.29	0.865	2.1

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-070-71-C-220920-1.5-1.86 9/20/2022 1.5–1.86 ft	SE-070-71-E-220920-0.5-01 9/20/2022 0.5–1 ft	SE-070-71-E-220920-00-0.5 9/20/2022 0–0.5 ft	SE-070-71-E-220920-01-1.5 9/20/2022 1–1.5 ft	SE-070-71-E-220920-1.5-1.71 9/20/2022 1.5–1.71 ft	SE-070-71-W-220920-0.5-01 9/20/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.152 J	0.297 J	0.551 J	1.46 J	1.57 J	2.31 J
Total solids	SM2540G	78.2	75.3	85.9	78.1	68.3	71.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.042 U	0.038 U	0.042 U	0.048 U	0.043 U
Aroclor 1221	SW8082A	0.038 U	0.042 U	0.038 U	0.042 U	0.048 U	0.043 U
Aroclor 1232	SW8082A	0.038 U	0.042 U	0.038 U	0.042 U	0.048 U	0.043 U
Aroclor 1242	SW8082A	0.038 U	0.042 U	0.038 U	0.042 U	0.048 U	0.043 U
Aroclor 1248	SW8082A	0.038 U	0.042 U	0.038 U	0.042 U	0.048 U	0.043 U
Aroclor 1254	SW8082A	0.0995 J	0.223	0.277	0.26	0.313	4.29
Aroclor 1260	SW8082A	0.286	0.561	0.962	0.676	0.381	14
Total PCB Aroclors (U = 0 max limit)		0.386 J	0.784	1.24	0.94	0.694	18

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-070-71-W-220920-00-0.5 9/20/2022 0–0.5 ft	SE-070-71-W-220920-01-1.5 9/20/2022 1–1.5 ft	SE-070-71-W-220920-1.5-1.92 9/20/2022 1.5–1.92 ft	SE-073-21-C-220920-0.5-01 9/20/2022 0.5–1 ft	SE-073-21-C-220920-00-0.5 9/20/2022 0–0.5 ft	SE-073-21-C-220920-01-1.5 9/20/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.154 J	0.216 J	0.66 J	0.314 J	2.73 J	0.152 J
Total solids	SM2540G	74.6	47.6	87	74.8	78.3	68.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.066 U	0.038 U	0.042 U	0.039 U	0.045 U
Aroclor 1221	SW8082A	0.042 U	0.066 U	0.038 U	0.042 U	0.039 U	0.045 U
Aroclor 1232	SW8082A	0.042 U	0.066 U	0.038 U	0.042 U	0.039 U	0.045 U
Aroclor 1242	SW8082A	0.042 U	0.066 U	0.038 U	0.042 U	0.039 U	0.045 U
Aroclor 1248	SW8082A	0.042 U	0.066 U	0.038 U	0.042 U	0.039 U	0.045 U
Aroclor 1254	SW8082A	0.371	0.126	0.038 U	1.92	1.56 J	0.489 J
Aroclor 1260	SW8082A	0.71	0.187	0.038 U	11.3	14.1	3.88
Total PCB Aroclors (U = 0 max limit)		1.1	0.313	0.034 U	13.2	15.7 J	4.37 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-073-21-C-220920-1.5-1.75 9/20/2022 1.5–1.75 ft	SE-073-21-C-BD0001 9/20/2022 0–0.5 ft	SE-073-21-E-220920-0.5-01 9/20/2022 0.5–1 ft	SE-073-21-E-220920-00-0.5 9/20/2022 0–0.5 ft	SE-073-21-E-220920-01-1.5 9/20/2022 1–1.5 ft	SE-073-21-E-220920-1.5-1.8 9/20/2022 1.5–1.8 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.08 J	0.814 J	0.439 J	0.578 J	0.0761 J	0.0666
Total solids	SM2540G	65.9	81.4	74.1	85.1	74.6	71.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.047 U	0.038 U	0.045 U	0.039 U	0.044 U	0.041 U
Aroclor 1221	SW8082A	0.047 U	0.038 U	0.045 U	0.039 U	0.044 U	0.041 U
Aroclor 1232	SW8082A	0.047 U	0.038 U	0.045 U	0.039 U	0.044 U	0.041 U
Aroclor 1242	SW8082A	0.047 U	0.038 U	0.045 U	0.039 U	0.044 U	0.041 U
Aroclor 1248	SW8082A	0.047 U	0.038 U	0.045 U	0.039 U	0.044 U	0.041 U
Aroclor 1254	SW8082A	0.0787 J	2.79 J	0.35	0.275 J	0.044 U	0.041 U
Aroclor 1260	SW8082A	0.294	49.4 J	2.3	1.78	0.044 U	0.041 U
Total PCB Aroclors (U = 0 max limit)		0.373 J	52.2 J	2.7	2.06 J	0.039 U	0.037 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-073-21-W-220920-0.5-01 9/20/2022 0.5–1 ft	SE-073-21-W-220920-00-0.5 9/20/2022 0–0.5 ft	SE-073-21-W-220920-01-1.5 9/20/2022 1–1.5 ft	SE-073-21-W-220920-1.5-1.75 9/20/2022 1.5–1.75 ft	SE-075-71-C-220921-0.5-01 9/21/2022 0.5–1 ft	SE-075-71-C-220921-00-0.5 9/21/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.179	0.154	0.539	0.0997	0.167 J	2.6 J
Total solids	SM2540G	80.9	81.8	75.5	82.9	85.3	82.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.040 U	0.044 U	0.040 U	0.038 U	0.036 U
Aroclor 1221	SW8082A	0.040 U	0.040 U	0.044 U	0.040 U	0.038 U	0.036 U
Aroclor 1232	SW8082A	0.040 U	0.040 U	0.044 U	0.040 U	0.038 U	0.036 U
Aroclor 1242	SW8082A	0.040 U	0.040 U	0.044 U	0.040 U	0.038 U	0.036 U
Aroclor 1248	SW8082A	0.040 U	0.040 U	0.044 U	0.040 U	0.038 U	0.036 U
Aroclor 1254	SW8082A	1.71	0.134 J	0.126	0.040 U	0.038 U	0.488
Aroclor 1260	SW8082A	10.5	0.721	1.37	0.040 U	0.038 U	8.29
Total PCB Aroclors (U = 0 max limit)		12.2	0.855 J	1.5	0.04 U	0.034 U	8.78

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-075-71-C-220921-01-1.5 9/21/2022 1–1.5 ft	SE-075-71-C-220921-1.5-1.75 9/21/2022 1.5–1.75 ft	SE-075-71-C-BD0001 9/21/2022 0.5–1 ft	SE-075-71-E-220921-0.5-01 9/21/2022 0.5–1 ft	SE-075-71-E-220921-00-0.5 9/21/2022 0–0.5 ft	SE-075-71-E-220921-01-1.5 9/21/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0704	0.0985 J	0.225 J	0.119 J	2.54 J	0.047 J
Total solids	SM2540G	89.1	87.5	82.9	87.5	53.4	84.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.035 U	0.035 UJ	0.034 U	0.062 U	0.038 U
Aroclor 1221	SW8082A	0.036 U	0.035 U	0.035 UJ	0.034 U	0.062 U	0.038 U
Aroclor 1232	SW8082A	0.036 U	0.035 U	0.035 UJ	0.034 U	0.062 U	0.038 U
Aroclor 1242	SW8082A	0.036 U	0.035 U	0.035 UJ	0.034 U	0.062 U	0.038 U
Aroclor 1248	SW8082A	0.036 U	0.035 U	0.035 UJ	0.034 U	0.062 U	0.038 U
Aroclor 1254	SW8082A	0.036 U	0.035 U	0.035 UJ	0.034 U	0.062 U	1.04
Aroclor 1260	SW8082A	0.036 U	0.035 U	0.035 UJ	0.0381	0.133	2.16
Total PCB Aroclors (U = 0 max limit)		0.033 U	0.031 U	0.032 UJ	0.0381	0.133	3.2

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-075-71-E-220921-1.5-1.68 9/21/2022 1.5–1.68 ft	SE-075-71-W-220921-0.5-01 9/21/2022 0.5–1 ft	SE-075-71-W-220921-00-0.5 9/21/2022 0–0.5 ft	SE-075-71-W-220921-01-1.5 9/21/2022 1–1.5 ft	SE-075-71-W-220921-1.5-02 9/21/2022 1.5–2 ft	SE-078-22-C-220921-0.5-01 9/21/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0798 J	0.187 J	0.251 J	0.0514 J	0.0779 J	0.107 J
Total solids	SM2540G	81.2	88.6	84.1	88.4	78	86
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.034 UJ	0.035 U	0.035 U	0.040 U	0.035 U
Aroclor 1221	SW8082A	0.039 U	0.034 UJ	0.035 U	0.035 U	0.040 U	0.035 U
Aroclor 1232	SW8082A	0.039 U	0.034 UJ	0.035 U	0.035 U	0.040 U	0.035 U
Aroclor 1242	SW8082A	0.039 U	0.034 UJ	0.035 U	0.035 U	0.040 U	0.035 U
Aroclor 1248	SW8082A	0.039 U	0.034 UJ	0.035 U	0.035 U	0.040 U	0.035 U
Aroclor 1254	SW8082A	0.039 U	0.034 UJ	0.0424	0.035 U	0.040 U	1.04
Aroclor 1260	SW8082A	0.039 U	0.034 UJ	0.153	0.035 U	0.040 U	4.62
Total PCB Aroclors (U = 0 max limit)		0.035 U	0.031 UJ	0.195	0.031 U	0.04 U	5.66

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-C-220921-00-0.5 9/21/2022 0–0.5 ft	SE-078-22-C-220921-01-1.5 9/21/2022 1–1.5 ft	SE-078-22-C-220921-1.5-1.78 9/21/2022 1.5–1.78 ft	SE-078-22-E-220921-0.5-01 9/21/2022 0.5–1 ft	SE-078-22-E-220921-00-0.5 9/21/2022 0–0.5 ft	SE-078-22-E-220921-01-1.5 9/21/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.57 J	0.457 J	0.0815 J	0.83 J	1.35 J	0.165 J
Total solids	SM2540G	90.6	84.3	86.4	85.3	87.6	71.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.036 U	0.034 U	0.038 U	0.035 U	0.044 U
Aroclor 1221	SW8082A	0.033 U	0.036 U	0.034 U	0.038 U	0.035 U	0.044 U
Aroclor 1232	SW8082A	0.033 U	0.036 U	0.034 U	0.038 U	0.035 U	0.044 U
Aroclor 1242	SW8082A	0.033 U	0.036 U	0.034 U	0.038 U	0.035 U	0.044 U
Aroclor 1248	SW8082A	0.033 U	0.036 U	0.034 U	0.038 U	0.035 U	0.044 U
Aroclor 1254	SW8082A	0.54	1.15	0.034 U	0.618 J	0.445	1.68
Aroclor 1260	SW8082A	5.28	8.99	0.034 U	0.995 J	1.14	6.51
Total PCB Aroclors (U = 0 max limit)		5.8	10.1	0.031 U	1.61 J	1.59	8.19

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-E-220921-1.5-1.65 9/21/2022 1.5–1.65 ft	SE-078-22-E-BD0001 9/21/2022 0.5–1 ft	SE-078-22-W-220921-0.5-01 9/21/2022 0.5–1 ft	SE-078-22-W-220921-00-0.5 9/21/2022 0–0.5 ft	SE-078-22-W-220921-01-1.5 9/21/2022 1–1.5 ft	SE-078-22-W-220921-1.5-1.74 9/21/2022 1.5–1.74 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.537 J	2.02 J	0.235 J	1.59 J	1.78 J	8.26 J
Total solids	SM2540G	80	84.3	72.2	83.6	80.1	44.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.038 U	0.042 U	0.039 U	0.038 U	0.075 U
Aroclor 1221	SW8082A	0.041 U	0.038 U	0.042 U	0.039 U	0.038 U	0.075 U
Aroclor 1232	SW8082A	0.041 U	0.038 U	0.042 U	0.039 U	0.038 U	0.075 U
Aroclor 1242	SW8082A	0.041 U	0.038 U	0.042 U	0.039 U	0.038 U	0.075 U
Aroclor 1248	SW8082A	0.041 U	0.038 U	0.042 U	0.039 U	0.038 U	8.23
Aroclor 1254	SW8082A	4.5	4.27 J	2.96	0.349	4.19	11.5
Aroclor 1260	SW8082A	9.11	6.01 J	9.12	0.528	15.4	44.5
Total PCB Aroclors (U = 0 max limit)		14	10.3 J	12.1	0.877	19.6	64.2

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-080-85-C-220921-0.5-01 9/21/2022 0.5–1 ft	SE-080-85-C-220921-00-0.5 9/21/2022 0–0.5 ft	SE-080-85-C-220921-01-1.35 9/21/2022 1–1.35 ft	SE-080-85-E-220921-0.5-01 9/21/2022 0.5–1 ft	SE-080-85-E-220921-00-0.5 9/21/2022 0–0.5 ft	SE-080-85-E-220921-01-1.5 9/21/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.169 J	1.23 J	0.175 J	3.4 J	0.629 J	4.65 J
Total solids	SM2540G	75.3	85.7	87	72.5	73.8	42.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.037 U	0.035 U	0.044 U	0.045 U	0.078 U
Aroclor 1221	SW8082A	0.041 U	0.037 U	0.035 U	0.044 U	0.045 U	0.078 U
Aroclor 1232	SW8082A	0.041 U	0.037 U	0.035 U	0.044 U	0.045 U	0.078 U
Aroclor 1242	SW8082A	0.041 U	0.037 U	0.035 U	0.044 U	0.045 U	0.078 U
Aroclor 1248	SW8082A	0.041 U	0.037 U	0.035 U	0.044 U	0.045 U	0.078 U
Aroclor 1254	SW8082A	0.117	0.166	0.741	9.6	0.363	117
Aroclor 1260	SW8082A	0.244	0.344	1.91	16.5	0.862	428
Total PCB Aroclors (U = 0 max limit)		0.361	0.51	2.65	26	1.23	545

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-080-85-E-220921-1.5-1.77 9/21/2022 1.5–1.77 ft	SE-080-85-W-220921-0.5-01 9/21/2022 0.5–1 ft	SE-080-85-W-220921-00-0.5 9/21/2022 0–0.5 ft	SE-080-85-W-220921-01-1.5 9/21/2022 1–1.5 ft	SE-080-85-W-220921-1.5-1.87 9/21/2022 1.5–1.87 ft	SE-083-54-C-220921-0.5-01 9/21/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.265 J	0.155 J	0.173 J	2.79 J	0.0666 J	0.12 J
Total solids	SM2540G	83.4	88.6	90	77.1	88.6	91.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.036 U	0.034 U	0.043 U	0.034 U	0.034 U
Aroclor 1221	SW8082A	0.039 U	0.036 U	0.034 U	0.043 U	0.034 U	0.034 U
Aroclor 1232	SW8082A	0.039 U	0.036 U	0.034 U	0.043 U	0.034 U	0.034 U
Aroclor 1242	SW8082A	0.039 U	0.036 U	0.034 U	0.043 U	0.034 U	0.034 U
Aroclor 1248	SW8082A	0.039 U	0.036 U	0.034 U	0.043 U	0.034 U	0.034 U
Aroclor 1254	SW8082A	0.49	0.65	0.147	0.583	0.034 U	0.0428
Aroclor 1260	SW8082A	1.52	3.93	0.423	1.66	0.034 U	0.224
Total PCB Aroclors (U = 0 max limit)		2	4.6	0.57	2.24	0.031 U	0.267

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-083-54-C-220921-00-0.5 9/21/2022 0–0.5 ft	SE-083-54-C-220921-01-1.34 9/21/2022 1–1.34 ft	SE-083-54-C-BD0001 9/21/2022 1–1.34 ft	SE-083-54-E-220921-0.5-01 9/21/2022 0.5–1 ft	SE-083-54-E-220921-00-0.5 9/21/2022 0–0.5 ft	SE-083-54-E-220921-01-1.5 9/21/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.165	0.0611	0.0748	0.159	0.188	3.52
Total solids	SM2540G	81	87	89	76	81	45.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.035 U	0.035 U	0.040 U	0.037 U	0.071 U
Aroclor 1221	SW8082A	0.039 U	0.035 U	0.035 U	0.040 U	0.037 U	0.071 U
Aroclor 1232	SW8082A	0.039 U	0.035 U	0.035 U	0.040 U	0.037 U	0.071 U
Aroclor 1242	SW8082A	0.039 U	0.035 U	0.035 U	0.040 U	0.037 U	0.071 U
Aroclor 1248	SW8082A	0.039 U	0.035 U	0.035 U	0.040 U	0.037 U	0.071 U
Aroclor 1254	SW8082A	0.44 J	0.035 U	0.035 U	0.285	0.129	3.67 J
Aroclor 1260	SW8082A	1.01	0.0210 J	0.035 U	0.84	0.369	22
Total PCB Aroclors (U = 0 max limit)		1.5 J	0.0210 J	0.031 U	1.1	0.498	26 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-083-54-E-220921-1.5-02 9/21/2022 1.5–2 ft	SE-083-54-W-220921-0.5-01 9/21/2022 0.5–1 ft	SE-083-54-W-220921-00-0.5 9/21/2022 0–0.5 ft	SE-083-54-W-220921-01-1.5 9/21/2022 1–1.5 ft	SE-083-54-W-220921-1.5-1.65 9/21/2022 1.5–1.65 ft	SE-086-13-C-220929-0.5-01 9/29/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.101	1.09	0.799	1.71	0.23	0.0423
Total solids	SM2540G	76.8	72.6	73.1	64.2	85.1	87.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.044 U	0.041 U	0.051 U	0.037 U	0.035 U
Aroclor 1221	SW8082A	0.041 U	0.044 U	0.041 U	0.051 U	0.037 U	0.035 U
Aroclor 1232	SW8082A	0.041 U	0.044 U	0.041 U	0.051 U	0.037 U	0.035 U
Aroclor 1242	SW8082A	0.041 U	0.044 U	0.041 U	0.051 U	0.037 U	0.035 U
Aroclor 1248	SW8082A	0.041 U	0.044 U	0.041 U	0.051 U	0.037 U	0.035 U
Aroclor 1254	SW8082A	0.347	0.044 U	0.449	0.051 U	0.037 U	0.035 U
Aroclor 1260	SW8082A	1.98	0.044 U	1.71	0.051 U	0.037 U	0.035 U
Total PCB Aroclors (U = 0 max limit)		2.33	0.039 U	2.16	0.045 U	0.033 U	0.031 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-086-13-C-220929-00-0.5 9/29/2022 0–0.5 ft	SE-086-13-C-220929-01-1.5 9/29/2022 1–1.5 ft	SE-086-13-C-220929-1.5-02 9/29/2022 1.5–2 ft	SE-086-13-C-G-220929-00-2.11 9/29/2022 0–2.11 ft	SE-086-13-E-220929-0.5-01 9/29/2022 0.5–1 ft	SE-086-13-E-220929-00-0.5 9/29/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	14.2	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0933	0.0631	0.0496	--	0.0812	0.123
Total solids	SM2540G	78.5	88.6	88.2	--	80.2	78.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	39.6	--	--
Percent passing (hydrometer 1)	D422	--	--	--	2	--	--
Percent passing (hydrometer 2)	D422	--	--	--	1.3	--	--
Percent passing (hydrometer 3)	D422	--	--	--	1.3	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	84.5	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	98.6	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	6.5	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	43.4	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	60.4	--	--
Percent passing 50-micron sieve	D422	--	--	--	16.9	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	3.4	--	--
Percent passing 8.0 micron	D422	--	--	--	45.6	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	36	--	--
Percent retained 30-micron sieve	D422	--	--	--	27.4	--	--
Sand	D422	--	--	--	57.1	--	--
Silt	D422	--	--	--	3.4	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.036 U	0.036 U	--	0.039 U	0.040 U
Aroclor 1221	SW8082A	0.042 U	0.036 U	0.036 U	--	0.039 U	0.040 U
Aroclor 1232	SW8082A	0.042 U	0.036 U	0.036 U	--	0.039 U	0.040 U
Aroclor 1242	SW8082A	0.042 U	0.036 U	0.036 U	--	0.039 U	0.040 U
Aroclor 1248	SW8082A	0.042 U	0.036 U	0.036 U	--	0.039 U	0.040 U
Aroclor 1254	SW8082A	0.0387 J	0.036 U	0.036 U	--	0.039 U	0.040 U
Aroclor 1260	SW8082A	0.118	0.036 U	0.036 U	--	0.039 U	0.0351 J
Total PCB Aroclors (U = 0 max limit)		0.157 J	0.032 U	0.032 U	--	0.035 U	0.0351 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-086-13-E-220929-01-1.5 9/29/2022 1–1.5 ft	SE-086-13-E-220929-02-2.11 9/29/2022 2–2.11 ft	SE-086-13-E-220929-1.5-02 9/29/2022 1.5–2 ft	SE-086-13-E-BD0001 9/29/2022 0–0.5 ft	SE-086-13-W-220929-0.5-01 9/29/2022 0.5–1 ft	SE-086-13-W-220929-00-0.5 9/29/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0656	0.0385	0.0561	0.131	0.141 J	0.356 J
Total solids	SM2540G	82.1	88.8	83	72.1	81.3	88.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.036 U	0.037 U	0.042 U	0.038 U	0.037 U
Aroclor 1221	SW8082A	0.036 U	0.036 U	0.037 U	0.042 U	0.038 U	0.037 U
Aroclor 1232	SW8082A	0.036 U	0.036 U	0.037 U	0.042 U	0.038 U	0.037 U
Aroclor 1242	SW8082A	0.036 U	0.036 U	0.037 U	0.042 U	0.038 U	0.037 U
Aroclor 1248	SW8082A	0.036 U	0.036 U	0.037 U	0.042 U	0.038 U	0.037 U
Aroclor 1254	SW8082A	0.036 U	0.036 U	0.037 U	0.042 U	0.148	0.129
Aroclor 1260	SW8082A	0.036 U	0.036 U	0.037 U	0.0484	0.48	0.332
Total PCB Aroclors (U = 0 max limit)		0.033 U	0.032 U	0.033 U	0.0484	0.63	0.461

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-086-13-W-220929-01-1.5 9/29/2022 1–1.5 ft	SE-086-13-W-220929-1.5-1.97 9/29/2022 1.5–1.97 ft	SE-088-70-C-220929-0.5-01 9/29/2022 0.5–1 ft	SE-088-70-C-220929-00-0.5 9/29/2022 0–0.5 ft	SE-088-70-C-220929-01-1.5 9/29/2022 1–1.5 ft	SE-088-70-C-220929-1.5-1.71 9/29/2022 1.5–1.71 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.112 J	0.128 J	0.0658 J	1.1 J	0.104 J	1.32 J
Total solids	SM2540G	88.7	82.6	87.4	83.7	82.9	66.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.036 U	0.036 U	0.039 U	0.037 U	0.049 U
Aroclor 1221	SW8082A	0.034 U	0.036 U	0.036 U	0.039 U	0.037 U	0.049 U
Aroclor 1232	SW8082A	0.034 U	0.036 U	0.036 U	0.039 U	0.037 U	0.049 U
Aroclor 1242	SW8082A	0.034 U	0.036 U	0.036 U	0.039 U	0.037 U	0.049 U
Aroclor 1248	SW8082A	0.034 U	0.036 U	0.036 U	0.039 U	0.037 U	0.049 U
Aroclor 1254	SW8082A	0.108	0.0834	0.0452	0.221	0.0868	0.049 U
Aroclor 1260	SW8082A	0.437	0.428	0.141	1.08	0.247	0.0387 J
Total PCB Aroclors (U = 0 max limit)		0.545	0.511	0.186	1.3	0.334	0.0387 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-088-70-E-220929-0.5-01 9/29/2022 0.5–1 ft	SE-088-70-E-220929-00-0.5 9/29/2022 0–0.5 ft	SE-088-70-E-220929-01-1.5 9/29/2022 1–1.5 ft	SE-088-70-E-220929-1.5-02 9/29/2022 1.5–2 ft	SE-088-70-W-220929-0.5-01 9/29/2022 0.5–1 ft	SE-088-70-W-220929-00-0.5 9/29/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0865 J	0.298 J	0.0651 J	0.147 J	0.133 J	0.174 J
Total solids	SM2540G	81.9	77.1	85.6	82.2	81.2	75.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.041 U	0.036 U	0.038 U	0.041 U	0.043 U
Aroclor 1221	SW8082A	0.038 U	0.041 U	0.036 U	0.038 U	0.041 U	0.043 U
Aroclor 1232	SW8082A	0.038 U	0.041 U	0.036 U	0.038 U	0.041 U	0.043 U
Aroclor 1242	SW8082A	0.038 U	0.041 U	0.036 U	0.038 U	0.041 U	0.043 U
Aroclor 1248	SW8082A	0.038 U	0.041 U	0.036 U	0.038 U	0.041 U	0.043 U
Aroclor 1254	SW8082A	0.038 U	0.0594	0.036 U	0.038 U	0.201	0.0922
Aroclor 1260	SW8082A	0.0296 J	0.226	0.036 U	0.038 U	0.846	0.363
Total PCB Aroclors (U = 0 max limit)		0.0296 J	0.285	0.032 U	0.034 U	1.05	0.455

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-088-70-W-220929-01-1.5 9/29/2022 1–1.5 ft	SE-088-70-W-220929-1.5-02 9/29/2022 1.5–2 ft	SE-091-28-C-220929-0.5-01 9/29/2022 0.5–1 ft	SE-091-28-C-220929-00-0.5 9/29/2022 0–0.5 ft	SE-091-28-C-220929-01-1.5 9/29/2022 1–1.5 ft	SE-091-28-C-220929-02-2.12 9/29/2022 2–2.12 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.208 J	1.25 J	0.194 J	0.228 J	0.209 J	0.95 J
Total solids	SM2540G	87.9	63.9	80.2	84.4	84	64.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.035 U	0.050 U	0.040 U	0.038 U	0.039 U	0.050 U
Aroclor 1221	SW8082A	0.035 U	0.050 U	0.040 U	0.038 U	0.039 U	0.050 U
Aroclor 1232	SW8082A	0.035 U	0.050 U	0.040 U	0.038 U	0.039 U	0.050 U
Aroclor 1242	SW8082A	0.035 U	0.050 U	0.040 U	0.038 U	0.039 U	0.050 U
Aroclor 1248	SW8082A	0.035 U	0.050 U	0.040 U	0.038 U	0.039 U	0.050 U
Aroclor 1254	SW8082A	0.372	0.050 U	0.0841	0.144	0.166 J	0.328 J
Aroclor 1260	SW8082A	2.42	0.325	0.296	0.548	0.32 J	3.33
Total PCB Aroclors (U = 0 max limit)		2.79	0.325	0.38	0.692	0.49 J	3.66 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-C-220929-1.5-02 9/29/2022 1.5–2 ft	SE-091-28-E-220929-0.5-01 9/29/2022 0.5–1 ft	SE-091-28-E-220929-00-0.5 9/29/2022 0–0.5 ft	SE-091-28-E-220929-01-1.19 9/29/2022 1–1.19 ft	SE-091-28-W-220929-0.5-01 9/29/2022 0.5–1 ft	SE-091-28-W-220929-00-0.5 9/29/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.379 J	0.16 J	0.17 J	0.116 J	2.7 J	0.329 J
Total solids	SM2540G	86.1	89.3	84.4	81.6	66.9	72.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.036 U	0.039 U	0.037 U	0.074 U	0.044 U
Aroclor 1221	SW8082A	0.038 U	0.036 U	0.039 U	0.037 U	0.074 U	0.044 U
Aroclor 1232	SW8082A	0.038 U	0.036 U	0.039 U	0.037 U	0.074 U	0.044 U
Aroclor 1242	SW8082A	0.038 U	0.036 U	0.039 U	0.037 U	0.074 U	0.044 U
Aroclor 1248	SW8082A	0.038 U	0.036 U	0.039 U	0.037 U	0.074 U	0.044 U
Aroclor 1254	SW8082A	0.371	0.104	0.143	0.404	0.074 U	0.181
Aroclor 1260	SW8082A	0.038 U	0.382	0.329	0.765	0.0515 J	0.433
Total PCB Aroclors (U = 0 max limit)		0.371	0.486	0.472	1.17	0.0515 J	0.614

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-W-220929-01-1.5 9/29/2022 1–1.5 ft	SE-091-28-W-220929-1.5-1.7 9/29/2022 1.5–1.7 ft	SE-091-28-W-BD0001 9/29/2022 0–0.5 ft	SE-093-75-C-220929-0.5-01 9/29/2022 0.5–1 ft	SE-093-75-C-220929-00-0.5 9/29/2022 0–0.5 ft	SE-093-75-C-220929-01-1.5 9/29/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.46 J	0.17 J	1.22 J	0.668 J	0.233	0.0918
Total solids	SM2540G	83	80.4	56.1	74.7	85.1	84.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.039 U	0.056 U	0.042 U	0.038 U	0.039 U
Aroclor 1221	SW8082A	0.039 U	0.039 U	0.056 U	0.042 U	0.038 U	0.039 U
Aroclor 1232	SW8082A	0.039 U	0.039 U	0.056 U	0.042 U	0.038 U	0.039 U
Aroclor 1242	SW8082A	0.039 U	0.039 U	0.056 U	0.042 U	0.038 U	0.039 U
Aroclor 1248	SW8082A	0.039 U	0.039 U	0.056 U	0.042 U	0.038 U	0.039 U
Aroclor 1254	SW8082A	0.039 U	0.039 U	0.25	0.45	0.139	3.12
Aroclor 1260	SW8082A	0.039 U	0.039 U	0.702	0.664	0.45	19.6
Total PCB Aroclors (U = 0 max limit)		0.035 U	0.035 U	0.95	1.1	0.59	22.7

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-093-75-C-220929-1.5-1.64 9/29/2022 1.5–1.64 ft	SE-093-75-E-220929-0.5-01 9/29/2022 0.5–1 ft	SE-093-75-E-220929-00-0.5 9/29/2022 0–0.5 ft	SE-093-75-E-220929-01-1.39 9/29/2022 1–1.39 ft	SE-093-75-E-BD0001 9/29/2022 0.5–1 ft	SE-093-75-W-220929-0.5-01 9/29/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0475	0.183 J	0.171	0.173	0.375 J	0.618
Total solids	SM2540G	90.8	76.9	76.5	77.4	74.9	69
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.035 U	0.042 U	0.061 UJ	0.041 U	0.043 U	0.047 U
Aroclor 1221	SW8082A	0.035 U	0.042 U	0.061 UJ	0.041 U	0.043 U	0.047 U
Aroclor 1232	SW8082A	0.035 U	0.042 U	0.061 UJ	0.041 U	0.043 U	0.047 U
Aroclor 1242	SW8082A	0.035 U	0.042 U	0.061 UJ	0.041 U	0.043 U	0.047 U
Aroclor 1248	SW8082A	0.035 U	0.042 U	0.061 UJ	0.041 U	0.043 U	0.047 U
Aroclor 1254	SW8082A	0.152 J	0.318	0.176 J	0.873	0.341	0.303
Aroclor 1260	SW8082A	2.01	2.06	0.551 J	10.2	1.44	1.12
Total PCB Aroclors (U = 0 max limit)		2.16 J	2.38	0.727 J	11.1	1.78	1.42

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-093-75-W-220929-00-0.5 9/29/2022 0–0.5 ft	SE-093-75-W-220929-01-1.5 9/29/2022 1–1.5 ft	SE-093-75-W-220929-1.5-02 9/29/2022 1.5–2 ft	SE-096-27-C-221003-0.5-01 10/3/2022 0.5–1 ft	SE-096-27-C-221003-00-0.5 10/3/2022 0–0.5 ft	SE-096-27-C-221003-01-1.5 10/3/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.25	0.182	1.15 J	1.14	0.15	0.0687
Total solids	SM2540G	72.9	78.8	39.3	89.7	85.8	85.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.041 U	0.084 U	0.034 U	0.034 U	0.038 U
Aroclor 1221	SW8082A	0.045 U	0.041 U	0.084 U	0.034 U	0.034 U	0.038 U
Aroclor 1232	SW8082A	0.045 U	0.041 U	0.084 U	0.034 U	0.034 U	0.038 U
Aroclor 1242	SW8082A	0.045 U	0.041 U	0.084 U	0.034 U	0.034 U	0.038 U
Aroclor 1248	SW8082A	0.045 U	0.041 U	0.084 U	0.488	0.034 U	0.038 U
Aroclor 1254	SW8082A	4.16	0.041 U	0.084 U	0.569	0.6	0.186
Aroclor 1260	SW8082A	19.8	0.041 U	0.084 U	1.59	3.14	0.784
Total PCB Aroclors (U = 0 max limit)		24	0.037 U	0.075 U	2.65	3.7	0.97

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-096-27-C-221003-1.5-1.67 10/3/2022 1.5–1.67 ft	SE-096-27-E-221003-0.5-01 10/3/2022 0.5–1 ft	SE-096-27-E-221003-00-0.5 10/3/2022 0–0.5 ft	SE-096-27-E-221003-01-1.5 10/3/2022 1–1.5 ft	SE-096-27-E-221003-1.5-1.94 10/3/2022 1.5–1.94 ft	SE-096-27-W-221003-0.5-01 10/3/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.13 J	0.0756	0.858	0.168	0.0515	1.75
Total solids	SM2540G	89.1	87.9	68.5	83.1	84.4	81.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.036 U	0.043 U	0.039 U	0.039 U	0.040 U
Aroclor 1221	SW8082A	0.034 U	0.036 U	0.043 U	0.039 U	0.039 U	0.040 U
Aroclor 1232	SW8082A	0.034 U	0.036 U	0.043 U	0.039 U	0.039 U	0.040 U
Aroclor 1242	SW8082A	0.034 U	0.036 U	0.043 U	0.039 U	0.039 U	0.040 U
Aroclor 1248	SW8082A	0.034 U	0.036 U	0.043 U	0.039 U	0.039 U	0.040 U
Aroclor 1254	SW8082A	0.38	0.036 U	8.49	0.039 U	0.039 U	0.217 J
Aroclor 1260	SW8082A	1.37	0.036 U	113	0.039 U	0.039 U	0.659
Total PCB Aroclors (U = 0 max limit)		1.8	0.032 U	121	0.034 U	0.035 U	0.876 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-096-27-W-221003-00-0.5 10/3/2022 0–0.5 ft	SE-096-27-W-221003-01-1.5 10/3/2022 1–1.5 ft	SE-096-27-W-221003-1.5-1.8 10/3/2022 1.5–1.8 ft	SE-096-27-W-BD0001 10/3/2022 1–1.5 ft	SE-099-02-C-220927-0.5-01 9/27/2022 0.5–1 ft	SE-099-02-C-220927-00-0.5 9/27/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	2.75	0.683	0.0766 J	0.423 J	0.722	2.27
Total solids	SM2540G	79	72.2	75.7	76.5	76.2	71.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.044 U	0.043 U	0.043 U	0.040 U	0.045 U
Aroclor 1221	SW8082A	0.041 U	0.044 U	0.043 U	0.043 U	0.040 U	0.045 U
Aroclor 1232	SW8082A	0.041 U	0.044 U	0.043 U	0.043 U	0.040 U	0.045 U
Aroclor 1242	SW8082A	0.041 U	0.044 U	0.043 U	0.043 U	0.040 U	0.045 U
Aroclor 1248	SW8082A	0.041 U	0.044 U	0.043 U	0.043 U	0.040 U	0.045 U
Aroclor 1254	SW8082A	25.8	2.54 J	0.665	0.358 J	1.44	0.664
Aroclor 1260	SW8082A	0.041 U	11.7 J	4.24	1.07 J	5.9	1.39
Total PCB Aroclors (U = 0 max limit)		25.8	14.2 J	4.91	1.43 J	7.3	2.05

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-099-02-C-220927-01-1.5 9/27/2022 1–1.5 ft	SE-099-02-C-220927-1.5-02 9/27/2022 1.5–2 ft	SE-099-02-E-220927-0.5-01 9/27/2022 0.5–1 ft	SE-099-02-E-220927-00-0.5 9/27/2022 0–0.5 ft	SE-099-02-E-220927-01-1.5 9/27/2022 1–1.5 ft	SE-099-02-E-220927-1.5-02 9/27/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.484	0.0962	0.191	0.91 J	0.208	1.16
Total solids	SM2540G	82.6	80	82.6	88.5	84.2	76.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.040 U	0.036 U	0.035 U	0.037 U	0.041 U
Aroclor 1221	SW8082A	0.036 U	0.040 U	0.036 U	0.035 U	0.037 U	0.041 U
Aroclor 1232	SW8082A	0.036 U	0.040 U	0.036 U	0.035 U	0.037 U	0.041 U
Aroclor 1242	SW8082A	0.036 U	0.040 U	0.036 U	0.035 U	0.037 U	0.041 U
Aroclor 1248	SW8082A	0.036 U	0.040 U	0.036 U	0.035 U	0.037 U	0.041 U
Aroclor 1254	SW8082A	0.567	0.932	0.23 J	0.131	0.212	1.68 J
Aroclor 1260	SW8082A	2.96	6.77	0.705	0.739 J	2.71	49.2
Total PCB Aroclors (U = 0 max limit)		3.53	7.7	0.94 J	0.870 J	2.92	50.9 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-099-02-E-BD0001 9/27/2022 0–0.5 ft	SE-099-02-W-220927-0.5-01 9/27/2022 0.5–1 ft	SE-099-02-W-220927-00-0.5 9/27/2022 0–0.5 ft	SE-099-02-W-220927-01-1.5 9/27/2022 1–1.5 ft	SE-099-02-W-220927-1.5-1.94 9/27/2022 1.5–1.94 ft	SE-101-54-C-221003-0.5-01 10/3/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.415 J	0.217	0.115	0.388	0.387	0.0742 J
Total solids	SM2540G	87.6	88.6	91.2	84.7	82	89.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.035 U	0.034 U	0.033 U	0.038 U	0.037 U	0.035 U
Aroclor 1221	SW8082A	0.035 U	0.034 U	0.033 U	0.038 U	0.037 U	0.035 U
Aroclor 1232	SW8082A	0.035 U	0.034 U	0.033 U	0.038 U	0.037 U	0.035 U
Aroclor 1242	SW8082A	0.035 U	0.034 U	0.033 U	0.038 U	0.037 U	0.035 U
Aroclor 1248	SW8082A	0.035 U	0.034 U	0.033 U	0.038 U	0.037 U	0.035 U
Aroclor 1254	SW8082A	0.112	0.26	0.12	0.246	0.446	0.106
Aroclor 1260	SW8082A	0.272 J	0.586	0.662	0.852	3.05	0.262
Total PCB Aroclors (U = 0 max limit)		0.384 J	0.85	0.78	1.1	3.5	0.368

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-101-54-C-221003-00-0.5 10/3/2022 0–0.5 ft	SE-101-54-C-221003-01-1.5 10/3/2022 1–1.5 ft	SE-101-54-E-221003-0.5-01 10/3/2022 0.5–1 ft	SE-101-54-E-221003-00-0.5 10/3/2022 0–0.5 ft	SE-101-54-E-221003-01-1.5 10/3/2022 1–1.5 ft	SE-101-54-E-221003-1.5-1.75 10/3/2022 1.5–1.75 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.76 J	0.0517 J	1.7 J	0.304 J	0.0636 J	0.0852 J
Total solids	SM2540G	74.6	88.9	82.4	81.5	87	89.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.036 U	0.040 U	0.037 U	0.036 U	0.035 U
Aroclor 1221	SW8082A	0.044 U	0.036 U	0.040 U	0.037 U	0.036 U	0.035 U
Aroclor 1232	SW8082A	0.044 U	0.036 U	0.040 U	0.037 U	0.036 U	0.035 U
Aroclor 1242	SW8082A	0.044 U	0.036 U	0.040 U	0.037 U	0.036 U	0.035 U
Aroclor 1248	SW8082A	0.044 U	0.036 U	0.040 U	0.037 U	0.036 U	0.035 U
Aroclor 1254	SW8082A	0.39	0.36	0.943	0.304 J	0.036 U	0.035 U
Aroclor 1260	SW8082A	0.89	1.01	2.78	2.15	0.036 U	0.035 U
Total PCB Aroclors (U = 0 max limit)		1.3	1.4	3.72	2.45 J	0.032 U	0.031 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-101-54-W-221003-0.5-01 10/3/2022 0.5–1 ft	SE-101-54-W-221003-00-0.5 10/3/2022 0–0.5 ft	SE-101-54-W-221003-01-1.5 10/3/2022 1–1.5 ft	SE-101-54-W-221003-1.5-1.92 10/3/2022 1.5–1.92 ft	SE-104-10-C-221003-0.5-01 10/3/2022 0.5–1 ft	SE-104-10-C-221003-00-0.5 10/3/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.308 J	0.172 J	0.464 J	2.87 J	0.463 J	0.169 J
Total solids	SM2540G	82.5	76.4	73.9	70.3	80.8	86.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.042 U	0.045 U	0.045 U	0.041 U	0.038 U
Aroclor 1221	SW8082A	0.037 U	0.042 U	0.045 U	0.045 U	0.041 U	0.038 U
Aroclor 1232	SW8082A	0.037 U	0.042 U	0.045 U	0.045 U	0.041 U	0.038 U
Aroclor 1242	SW8082A	0.037 U	0.042 U	0.045 U	0.045 U	0.041 U	0.038 U
Aroclor 1248	SW8082A	0.037 U	0.042 U	0.045 U	0.045 U	0.041 U	0.038 U
Aroclor 1254	SW8082A	0.2	0.483	3.12	2.86 J	0.348 J	0.182
Aroclor 1260	SW8082A	0.967	1.15	18.1	22.9	1.86	0.67
Total PCB Aroclors (U = 0 max limit)		1.2	1.63	21.2	25.8 J	2.21 J	0.85

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-104-10-C-221003-01-1.5 10/3/2022 1–1.5 ft	SE-104-10-C-221003-1.5-1.77 10/3/2022 1.5–1.77 ft	SE-104-10-CG-221003-0.5-1.7 10/3/2022 0.5–1.7 ft	SE-104-10-CG-221003-00-0.5 10/3/2022 0–0.5 ft	SE-104-10-E-221003-0.5-01 10/3/2022 0.5–1 ft	SE-104-10-E-221003-00-0.5 10/3/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	25.8	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0974 J	2.13 J	--	--	1.04 J	0.266 J
Total solids	SM2540G	90.6	87.1	--	--	91.7	79.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	10.9	45.4	--	--
Percent passing (hydrometer 1)	D422	--	--	2.2	1	--	--
Percent passing (hydrometer 2)	D422	--	--	2	0.34	--	--
Percent passing (hydrometer 3)	D422	--	--	0.74	0.34	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	97.3	75.8	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	95.1	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	4.2	1.3	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	75.9	34.6	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	100	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	89.1	54.6	--	--
Percent passing 50-micron sieve	D422	--	--	13.7	2.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	2.4	1.1	--	--
Percent passing 8.0 micron	D422	--	--	78.5	37.6	--	--
Percent retained 16,000-micron sieve	D422	--	--	64.8	22.2	--	--
Percent retained 30-micron sieve	D422	--	--	38.7	8.5	--	--
Sand	D422	--	--	86.8	53.6	--	--
Silt	D422	--	--	2.4	1.1	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.038 U	--	--	0.036 U	0.039 U
Aroclor 1221	SW8082A	0.034 U	0.038 U	--	--	0.036 U	0.039 U
Aroclor 1232	SW8082A	0.034 U	0.038 U	--	--	0.036 U	0.039 U
Aroclor 1242	SW8082A	0.034 U	0.038 U	--	--	0.036 U	0.039 U
Aroclor 1248	SW8082A	0.034 U	0.038 U	--	--	0.036 U	0.039 U
Aroclor 1254	SW8082A	0.2 J	2.79	--	--	0.126	0.276
Aroclor 1260	SW8082A	1.73	15.4	--	--	0.266	0.638
Total PCB Aroclors (U = 0 max limit)		1.9 J	18.2	--	--	0.392	0.914

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-104-10-E-221003-01-1.5 10/3/2022 1–1.5 ft	SE-104-10-E-221003-1.5-1.85 10/3/2022 1.5–1.85 ft	SE-104-10-W-221003-0.5-01 10/3/2022 0.5–1 ft	SE-104-10-W-221003-00-0.5 10/3/2022 0–0.5 ft	SE-104-10-W-221003-01-1.5 10/3/2022 1–1.5 ft	SE-104-10-W-221003-1.5-1.77 10/3/2022 1.5–1.77 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0857 J	0.0882 J	0.22 J	0.156 J	0.38 J	1.99 J
Total solids	SM2540G	91.7	81.4	78.5	79.3	81.7	63.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.039 U	0.042 U	0.039 U	-- R	0.047 U
Aroclor 1221	SW8082A	0.034 U	0.039 U	0.042 U	0.039 U	-- R	0.047 U
Aroclor 1232	SW8082A	0.034 U	0.039 U	0.042 U	0.039 U	-- R	0.047 U
Aroclor 1242	SW8082A	0.034 U	0.039 U	0.042 U	0.039 U	-- R	0.047 U
Aroclor 1248	SW8082A	0.034 U	0.039 U	0.042 U	0.039 U	0.41 U	0.047 U
Aroclor 1254	SW8082A	0.214	0.211	0.369	0.188	4.15 J	1.31 J
Aroclor 1260	SW8082A	1.07	0.791	2.84	0.65	32.9	6.5 J
Total PCB Aroclors (U = 0 max limit)		1.28	1	3.21	0.84	37.1 J	7.8 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-104-10-W-BD0001 10/3/2022 1.5–1.77 ft	SE-106-72-C-221003-0.5-01 10/3/2022 0.5–1 ft	SE-106-72-C-221003-00-0.5 10/3/2022 0–0.5 ft	SE-106-72-C-221003-01-1.5 10/3/2022 1–1.5 ft	SE-106-72-C-221003-1.5-1.8 10/3/2022 1.5–1.8 ft	SE-106-72-E-221003-0.5-01 10/3/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.872 J	0.0309 J	0.103 J	0.0578 J	0.0444 J	0.0422 J
Total solids	SM2540G	70.9	77.1	87.2	73.3	74.7	71
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.042 U	0.037 U	0.043 U	0.040 U	0.047 U
Aroclor 1221	SW8082A	0.046 U	0.042 U	0.037 U	0.043 U	0.040 U	0.047 U
Aroclor 1232	SW8082A	0.046 U	0.042 U	0.037 U	0.043 U	0.040 U	0.047 U
Aroclor 1242	SW8082A	0.046 U	0.042 U	0.037 U	0.043 U	0.040 U	0.047 U
Aroclor 1248	SW8082A	0.046 U	0.042 U	0.037 U	0.043 U	0.040 U	0.047 U
Aroclor 1254	SW8082A	0.364 J	0.042 U	0.0264 J	0.043 U	0.040 U	0.047 U
Aroclor 1260	SW8082A	2.28 J	0.042 U	0.203	0.043 U	0.040 U	0.047 U
Total PCB Aroclors (U = 0 max limit)		2.64 J	0.037 U	0.229 J	0.039 U	0.04 U	0.042 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-106-72-E-221003-00-0.5 10/3/2022 0–0.5 ft	SE-106-72-E-221003-01-1.5 10/3/2022 1–1.5 ft	SE-106-72-E-221003-1.5-1.55 10/3/2022 1.5–1.55 ft	SE-106-72-W-221003-0.5-01 10/3/2022 0.5–1 ft	SE-106-72-W-221003-00-0.5 10/3/2022 0–0.5 ft	SE-106-72-W-221003-01-1.15 10/3/2022 1–1.15 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.672 J	0.0374 J	0.0578 J	0.0794 J	0.11 J	0.139 J
Total solids	SM2540G	74.4	81.4	82.1	90.6	90.4	90.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.039 U	0.041 U	0.037 U	0.037 U	0.034 U
Aroclor 1221	SW8082A	0.045 U	0.039 U	0.041 U	0.037 U	0.037 U	0.034 U
Aroclor 1232	SW8082A	0.045 U	0.039 U	0.041 U	0.037 U	0.037 U	0.034 U
Aroclor 1242	SW8082A	0.045 U	0.039 U	0.041 U	0.037 U	0.037 U	0.034 U
Aroclor 1248	SW8082A	0.045 U	0.039 U	0.041 U	0.037 U	0.037 U	0.034 U
Aroclor 1254	SW8082A	0.045 U	0.039 U	0.041 U	0.122 J	0.0788 J	0.122 J
Aroclor 1260	SW8082A	0.0391 J	0.039 U	0.041 U	1.32	0.387	1.87
Total PCB Aroclors (U = 0 max limit)		0.0391 J	0.035 U	0.036 U	1.44 J	0.466 J	1.99 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-109-32-C-221003-0.5-01 10/3/2022 0.5–1 ft	SE-109-32-C-221003-00-0.5 10/3/2022 0–0.5 ft	SE-109-32-C-221003-01-1.5 10/3/2022 1–1.5 ft	SE-109-32-C-221003-1.5-1.62 10/3/2022 1.5–1.62 ft	SE-109-32-E-221003-0.5-01 10/3/2022 0.5–1 ft	SE-109-32-E-221003-00-0.5 10/3/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.266 J	0.41 J	0.0646 J	0.0447 J	0.0555 J	1.08 J
Total solids	SM2540G	81	75.5	91.4	84.7	91.3	92.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.040 U	0.035 U	0.039 U	0.033 U	0.035 U
Aroclor 1221	SW8082A	0.041 U	0.040 U	0.035 U	0.039 U	0.033 U	0.035 U
Aroclor 1232	SW8082A	0.041 U	0.040 U	0.035 U	0.039 U	0.033 U	0.035 U
Aroclor 1242	SW8082A	0.041 U	0.040 U	0.035 U	0.039 U	0.033 U	0.035 U
Aroclor 1248	SW8082A	0.041 U	0.040 U	0.035 U	0.039 U	0.033 U	0.035 U
Aroclor 1254	SW8082A	0.0358 J	0.0601 J	0.035 U	0.039 U	0.033 U	0.0649
Aroclor 1260	SW8082A	0.104	0.675	0.0319 J	0.0189 J	0.033 U	0.181
Total PCB Aroclors (U = 0 max limit)		0.140 J	0.735 J	0.0319 J	0.0189 J	0.029 U	0.246

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-109-32-E-221003-01-1.5 10/3/2022 1–1.5 ft	SE-109-32-W-221003-0.5-01 10/3/2022 0.5–1 ft	SE-109-32-W-221003-00-0.5 10/3/2022 0–0.5 ft	SE-109-32-W-221003-01-1.5 10/3/2022 1–1.5 ft	SE-109-32-W-221003-1.5-1.86 10/3/2022 1.5–1.86 ft	SE-111-89-C-221004-0.5-01 10/4/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0737 J	0.132 J	0.183	0.0934	0.151	0.178
Total solids	SM2540G	87.2	87.1	76.1	77.4	83.1	76.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.038 U	0.040 U	0.040 U	0.039 U	0.039 U
Aroclor 1221	SW8082A	0.036 U	0.038 U	0.040 U	0.040 U	0.039 U	0.039 U
Aroclor 1232	SW8082A	0.036 U	0.038 U	0.040 U	0.040 U	0.039 U	0.039 U
Aroclor 1242	SW8082A	0.036 U	0.038 U	0.040 U	0.040 U	0.039 U	0.039 U
Aroclor 1248	SW8082A	0.036 U	0.321 J	0.0930 J	0.040 U	0.039 U	0.039 U
Aroclor 1254	SW8082A	0.036 U	0.642 J	0.274 J	0.128 J	0.586	0.288 J
Aroclor 1260	SW8082A	0.036 U	5.07	1.22	0.655	5.38	0.899
Total PCB Aroclors (U = 0 max limit)		0.032 U	6.03 J	1.59 J	0.783 J	5.97	1.19 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-111-89-C-221004-00-0.5 10/4/2022 0–0.5 ft	SE-111-89-C-221004-01-1.04 10/4/2022 1–1.04 ft	SE-111-89-C-BD0001 10/4/2022 0–0.5 ft	SE-111-89-CG-221004-00-1.05 10/4/2022 0–1.05 ft	SE-111-89-E-221004-00-0.5 10/4/2022 0–0.5 ft	SE-111-89-W-221004-0.5-01 10/4/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.226	0.712	0.224	--	0.85	0.228
Total solids	SM2540G	90.5	72.6	72.6	--	72.9	81.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	0.46	--	--
Percent passing (hydrometer 1)	D422	--	--	--	4.8	--	--
Percent passing (hydrometer 2)	D422	--	--	--	2.9	--	--
Percent passing (hydrometer 3)	D422	--	--	--	2.9	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	12.6	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	96	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	99.5	--	--
Percent passing 50-micron sieve	D422	--	--	--	26.6	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	9.6	--	--
Percent passing 8.0 micron	D422	--	--	--	97.4	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	86.5	--	--
Percent retained 30-micron sieve	D422	--	--	--	55.3	--	--
Sand	D422	--	--	--	90	--	--
Silt	D422	--	--	--	9.6	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.035 U	0.043 U	0.046 U	--	0.041 U	0.039 U
Aroclor 1221	SW8082A	0.035 U	0.043 U	0.046 U	--	0.041 U	0.039 U
Aroclor 1232	SW8082A	0.035 U	0.043 U	0.046 U	--	0.041 U	0.039 U
Aroclor 1242	SW8082A	0.035 U	0.043 U	0.046 U	--	0.041 U	0.039 U
Aroclor 1248	SW8082A	0.035 U	0.043 U	0.046 U	--	0.041 U	0.039 U
Aroclor 1254	SW8082A	0.37 J	0.373	1.24 J	--	0.35	0.363
Aroclor 1260	SW8082A	4.36 J	1.08	8.89 J	--	3.01	1.3
Total PCB Aroclors (U = 0 max limit)		4.7 J	1.45	10.1 J	--	3.4	1.7

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-111-89-W-221004-00-0.5 10/4/2022 0–0.5 ft	SE-111-89-W-221004-01-1.5 10/4/2022 1–1.5 ft	SE-111-89-W-221004-02-2.1 10/4/2022 2–2.1 ft	SE-111-89-W-221004-1.5-02 10/4/2022 1.5–2 ft	SE-114-39-C-221004-0.5-0.7 10/4/2022 0.5–0.7 ft	SE-114-39-C-221004-00-0.5 10/4/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.798	0.748 J	0.358 J	0.869 J	0.235 J	0.473 J
Total solids	SM2540G	76	82.8	80.8	83.3	84.2	84
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.038 U	0.038 U	0.039 U	0.036 U	0.035 U
Aroclor 1221	SW8082A	0.041 U	0.038 U	0.038 U	0.039 U	0.036 U	0.035 U
Aroclor 1232	SW8082A	0.041 U	0.038 U	0.038 U	0.039 U	0.036 U	0.035 U
Aroclor 1242	SW8082A	0.041 U	0.038 U	0.038 U	0.039 U	0.036 U	0.035 U
Aroclor 1248	SW8082A	0.041 U	0.038 U	0.038 U	0.039 U	0.036 U	0.035 U
Aroclor 1254	SW8082A	0.419	0.309	0.249	0.246	0.332 J	0.394 J
Aroclor 1260	SW8082A	1.2	0.78	0.682	0.917	1.19	1.9 J
Total PCB Aroclors (U = 0 max limit)		1.6	1.1	0.931	1.16	1.52 J	2.3 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-C-BD0001 10/4/2022 0–0.5 ft	SE-114-39-E-221004-0.5-01 10/4/2022 0.5–1 ft	SE-114-39-E-221004-00-0.5 10/4/2022 0–0.5 ft	SE-114-39-E-221004-01-1.4 10/4/2022 1–1.4 ft	SE-114-39-EG-221004-00-1.4 10/4/2022 0–1.4 ft	SE-114-39-W-221004-0.5-01 10/4/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	22.2	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.321 J	0.866 J	1.37 J	2.12 J	--	0.87 J
Total solids	SM2540G	74.3	76.2	80.1	60.4	--	72.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	39	--
Percent passing (hydrometer 1)	D422	--	--	--	--	2.3	--
Percent passing (hydrometer 2)	D422	--	--	--	--	1.4	--
Percent passing (hydrometer 3)	D422	--	--	--	--	0.46	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	74.7	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	95.8	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	6.4	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	47.8	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	61	--
Percent passing 50-micron sieve	D422	--	--	--	--	18.1	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	3.7	--
Percent passing 8.0 micron	D422	--	--	--	--	49.4	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	40.8	--
Percent retained 30-micron sieve	D422	--	--	--	--	31.9	--
Sand	D422	--	--	--	--	57.3	--
Silt	D422	--	--	--	--	3.7	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.039 U	0.038 U	0.049 U	--	0.043 U
Aroclor 1221	SW8082A	0.041 U	0.039 U	0.038 U	0.049 U	--	0.043 U
Aroclor 1232	SW8082A	0.041 U	0.039 U	0.038 U	0.049 U	--	0.043 U
Aroclor 1242	SW8082A	0.041 U	0.039 U	0.038 U	0.049 U	--	0.043 U
Aroclor 1248	SW8082A	0.041 U	0.039 U	0.038 U	0.049 U	--	0.043 U
Aroclor 1254	SW8082A	0.205 J	0.645	0.374	1.61	--	1.94
Aroclor 1260	SW8082A	0.686 J	4.38	1.8	6.77	--	4
Total PCB Aroclors (U = 0 max limit)		0.891 J	5.03	2.2	8.38	--	5.9

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-W-221004-00-0.5 10/4/2022 0–0.5 ft	SE-114-39-W-221004-01-1.5 10/4/2022 1–1.5 ft	SE-114-39-W-221004-1.5-1.65 10/4/2022 1.5–1.65 ft	SE-116-83-C-221004-0.5-01 10/4/2022 0.5–1 ft	SE-116-83-C-221004-00-0.5 10/4/2022 0–0.5 ft	SE-116-83-C-221004-01-1.35 10/4/2022 1–1.35 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.139	2.5	1.11	2.75	0.166	2.34
Total solids	SM2540G	88.2	64.7	65.9	72.2	76.3	65.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.035 U	0.048 U	0.046 U	0.044 U	0.039 U	0.046 U
Aroclor 1221	SW8082A	0.035 U	0.048 U	0.046 U	0.044 U	0.039 U	0.046 U
Aroclor 1232	SW8082A	0.035 U	0.048 U	0.046 U	0.044 U	0.039 U	0.046 U
Aroclor 1242	SW8082A	0.035 U	0.048 U	0.046 U	0.044 U	0.039 U	0.046 U
Aroclor 1248	SW8082A	0.035 U	0.048 U	0.046 U	0.044 U	0.039 U	0.046 U
Aroclor 1254	SW8082A	0.273	3.75	2.91	2.06	0.345	1.2
Aroclor 1260	SW8082A	1.91	6.05	6.42	5.75	0.867	3.89
Total PCB Aroclors (U = 0 max limit)		2.18	9.8	9.33	7.81	1.21	5.1

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-116-83-E-221004-0.5-0.92 10/4/2022 0.5–0.92 ft	SE-116-83-E-221004-00-0.5 10/4/2022 0–0.5 ft	SE-116-83-W-221004-0.5-01 10/4/2022 0.5–1 ft	SE-116-83-W-221004-00-0.5 10/4/2022 0–0.5 ft	SE-116-83-W-221004-01-1.5 10/4/2022 1–1.5 ft	SE-116-83-W-221004-1.5-02 10/4/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.71	0.365	0.228	0.56	2.12 J	0.315 J
Total solids	SM2540G	72.4	70.4	74.1	73.5	44.2	83.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.042 U	0.042 U	0.045 U	0.069 U	0.037 UJ
Aroclor 1221	SW8082A	0.042 U	0.042 U	0.042 U	0.045 U	0.069 U	0.037 UJ
Aroclor 1232	SW8082A	0.042 U	0.042 U	0.042 U	0.045 U	0.069 U	0.037 UJ
Aroclor 1242	SW8082A	0.042 U	0.042 U	0.042 U	0.045 U	0.069 U	0.037 UJ
Aroclor 1248	SW8082A	0.042 U	0.042 U	0.042 U	0.045 U	0.069 U	0.037 UJ
Aroclor 1254	SW8082A	4.46	0.543	0.262	0.366	0.118	0.161 J
Aroclor 1260	SW8082A	10.7	2.23	1.37	1.15	0.316	0.444 J
Total PCB Aroclors (U = 0 max limit)		15.2	2.77	1.63	1.52	0.434	0.605 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-119-36-C-221006-0.5-01 10/6/2022 0.5–1 ft	SE-119-36-C-221006-00-0.5 10/6/2022 0–0.5 ft	SE-119-36-C-221006-01-1.5 10/6/2022 1–1.5 ft	SE-119-36-C-221006-1.5-02 10/6/2022 1.5–2 ft	SE-119-36-E-221006-0.5-01 10/6/2022 0.5–1 ft	SE-119-36-E-221006-00-0.5 10/6/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.107 J	0.124 J	0.118 J	0.117 J	2.48 J	0.171 J
Total solids	SM2540G	71.6	78	77.1	72.3	78.7	79.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.041 U	0.038 UJ	0.043 U	0.041 U	0.038 UJ
Aroclor 1221	SW8082A	0.044 U	0.041 U	0.038 UJ	0.043 U	0.041 U	0.038 UJ
Aroclor 1232	SW8082A	0.044 U	0.041 U	0.038 UJ	0.043 U	0.041 U	0.038 UJ
Aroclor 1242	SW8082A	0.044 U	0.041 U	0.038 UJ	0.043 U	0.041 U	0.038 UJ
Aroclor 1248	SW8082A	0.044 U	0.041 U	0.038 UJ	0.043 U	0.041 U	0.038 UJ
Aroclor 1254	SW8082A	0.822	0.694	0.0991 J	0.24	0.323	0.0336 J
Aroclor 1260	SW8082A	7.29	2.95	0.208 J	1.77	0.848	0.038 UJ
Total PCB Aroclors (U = 0 max limit)		8.11	3.64	0.307 J	2	1.17	0.0336 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-119-36-E-221006-01-1.5 10/6/2022 1–1.5 ft	SE-119-36-E-221006-02-2.05 10/6/2022 2–2.05 ft	SE-119-36-E-221006-1.5-02 10/6/2022 1.5–2 ft	SE-119-36-W-221006-0.5-01 10/6/2022 0.5–1 ft	SE-119-36-W-221006-00-0.5 10/6/2022 0–0.5 ft	SE-119-36-W-221006-01-1.28 10/6/2022 1–1.28 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	10.2 J	0.114 J	0.18 J	2.11 J	0.401 J	4 J
Total solids	SM2540G	80.5	76.6	75.3	74.6	80.1	40.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 UJ	0.042 U	0.041 U	0.044 U	0.041 U	0.073 U
Aroclor 1221	SW8082A	0.040 UJ	0.042 U	0.041 U	0.044 U	0.041 U	0.073 U
Aroclor 1232	SW8082A	0.040 UJ	0.042 U	0.041 U	0.044 U	0.041 U	0.073 U
Aroclor 1242	SW8082A	0.040 UJ	0.042 U	0.041 U	0.044 U	0.041 U	0.073 U
Aroclor 1248	SW8082A	0.040 UJ	0.042 U	0.041 U	0.044 U	0.041 U	0.073 U
Aroclor 1254	SW8082A	0.15 J	0.334	0.423 J	6.91 J	0.285	13 J
Aroclor 1260	SW8082A	0.265 J	3.44	2.52 J	55.3 J	1.87	84.6
Total PCB Aroclors (U = 0 max limit)		0.42 J	3.77	2.94 J	62.2 J	2.16	98 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-119-36-W-BD0001 10/6/2022 0.5–1 ft	SE-121-90-C-221006-0.5-01 10/6/2022 0.5–1 ft	SE-121-90-C-221006-00-0.5 10/6/2022 0–0.5 ft	SE-121-90-C-221006-01-1.5 10/6/2022 1–1.5 ft	SE-121-90-C-221006-1.5-1.85 10/6/2022 1.5–1.85 ft	SE-121-90-CG-221006-00-1.58 10/6/2022 0–1.58 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	20.6
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.76 J	1.06 J	0.217 J	0.188 J	0.256 J	--
Total solids	SM2540G	57.5	87.7	84.8	80.2	80.3	--
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	10.8
Percent passing (hydrometer 1)	D422	--	--	--	--	--	2.3
Percent passing (hydrometer 2)	D422	--	--	--	--	--	2.3
Percent passing (hydrometer 3)	D422	--	--	--	--	--	1
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	95.9
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	3.6
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	77.4
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	89.2
Percent passing 50-micron sieve	D422	--	--	--	--	--	15.7
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	2.5
Percent passing 8.0 micron	D422	--	--	--	--	--	79.8
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	67.6
Percent retained 30-micron sieve	D422	--	--	--	--	--	46.3
Sand	D422	--	--	--	--	--	86.7
Silt	D422	--	--	--	--	--	2.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	-- R	0.038 U	0.035 UJ	0.038 UJ	0.039 UJ	--
Aroclor 1221	SW8082A	-- R	0.038 U	0.035 UJ	0.038 UJ	0.039 UJ	--
Aroclor 1232	SW8082A	-- R	0.038 U	0.035 UJ	0.038 UJ	0.039 UJ	--
Aroclor 1242	SW8082A	-- R	0.038 U	0.035 UJ	0.038 UJ	0.039 UJ	--
Aroclor 1248	SW8082A	-- R	0.038 U	0.035 UJ	0.038 UJ	0.039 UJ	--
Aroclor 1254	SW8082A	0.184 J	0.965	0.0420 J	0.237 J	0.714 J	--
Aroclor 1260	SW8082A	0.622 J	8.94	0.107 J	1.31 J	3.43 J	--
Total PCB Aroclors (U = 0 max limit)		0.806 J	9.9	0.149 J	1.55 J	4.14 J	--

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-121-90-E-221006-0.5-01 10/6/2022 0.5–1 ft	SE-121-90-E-221006-00-0.5 10/6/2022 0–0.5 ft	SE-121-90-E-221006-01-1.5 10/6/2022 1–1.5 ft	SE-121-90-E-221006-1.5-1.9 10/6/2022 1.5–1.9 ft	SE-121-90-W-221006-0.5-01 10/6/2022 0.5–1 ft	SE-121-90-W-221006-00-0.5 10/6/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.205 J	0.168 J	0.253 J	0.139 J	0.696 J	2.07 J
Total solids	SM2540G	82.3	81	68.4	74.4	87.6	88.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 UJ	0.039 UJ	0.044 UJ	0.040 UJ	0.036 UJ	0.034 UJ
Aroclor 1221	SW8082A	0.036 UJ	0.039 UJ	0.044 UJ	0.040 UJ	0.036 UJ	0.034 UJ
Aroclor 1232	SW8082A	0.036 UJ	0.039 UJ	0.044 UJ	0.040 UJ	0.036 UJ	0.034 UJ
Aroclor 1242	SW8082A	0.036 UJ	0.039 UJ	0.044 UJ	0.040 UJ	0.036 UJ	0.034 UJ
Aroclor 1248	SW8082A	0.036 UJ	0.039 UJ	0.044 UJ	0.040 UJ	0.036 UJ	0.034 UJ
Aroclor 1254	SW8082A	0.239 J	0.0363 J	0.044 UJ	0.040 UJ	0.0439 J	0.0385 J
Aroclor 1260	SW8082A	1.12 J	0.166 J	0.0258 J	0.040 UJ	0.124 J	0.494 J
Total PCB Aroclors (U = 0 max limit)		1.36 J	0.202 J	0.0258 J	0.04 UJ	0.168 J	0.533 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-121-90-W-221006-01-1.5 10/6/2022 1–1.5 ft	SE-121-90-W-221006-1.5-1.8 10/6/2022 1.5–1.8 ft	SE-121-90-W-BD0001 10/6/2022 1–1.5 ft	SE-124-36-C-221006-0.5-01 10/6/2022 0.5–1 ft	SE-124-36-C-221006-00-0.5 10/6/2022 0–0.5 ft	SE-124-36-C-221006-01-1.5 10/6/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.63 J	0.356 J	0.772 J	0.202 J	0.341 J	0.0663 J
Total solids	SM2540G	86	82.7	78	72.7	83.2	80.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 UJ	0.036 UJ	0.042 UJ	0.044 UJ	-- R	0.038 UJ
Aroclor 1221	SW8082A	0.038 UJ	0.036 UJ	0.042 UJ	0.044 UJ	-- R	0.038 UJ
Aroclor 1232	SW8082A	0.038 UJ	0.036 UJ	0.042 UJ	0.044 UJ	-- R	0.038 UJ
Aroclor 1242	SW8082A	0.038 UJ	0.036 UJ	0.042 UJ	0.044 UJ	-- R	0.038 UJ
Aroclor 1248	SW8082A	0.038 UJ	0.036 UJ	0.042 UJ	0.044 UJ	-- R	0.038 UJ
Aroclor 1254	SW8082A	1.07 J	0.981 J	0.379 J	0.59 J	0.0397 J	0.305 J
Aroclor 1260	SW8082A	2.33 J	6.6 J	2.35 J	4.58 J	0.115 J	6.43 J
Total PCB Aroclors (U = 0 max limit)		3.40 J	7.6 J	2.73 J	5.2 J	0.155 J	6.74 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-124-36-C-221006-1.5-1.58 10/6/2022 1.5–1.58 ft	SE-124-36-E-221006-0.5-01 10/6/2022 0.5–1 ft	SE-124-36-E-221006-00-0.5 10/6/2022 0–0.5 ft	SE-124-36-E-221006-01-1.5 10/6/2022 1–1.5 ft	SE-124-36-E-221006-1.5-1.73 10/6/2022 1.5–1.73 ft	SE-124-36-W-221006-0.5-01 10/6/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.106 J	0.187 J	0.136 J	0.117 J	1.83 J	0.128 J
Total solids	SM2540G	73.1	76.6	80.1	82.8	73.5	69.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 UJ	0.041 UJ	0.038 UJ	0.036 UJ	0.045 UJ	0.045 U
Aroclor 1221	SW8082A	0.041 UJ	0.041 UJ	0.038 UJ	0.036 UJ	0.045 UJ	0.045 U
Aroclor 1232	SW8082A	0.041 UJ	0.041 UJ	0.038 UJ	0.036 UJ	0.045 UJ	0.045 U
Aroclor 1242	SW8082A	0.041 UJ	0.041 UJ	0.038 UJ	0.036 UJ	0.045 UJ	0.045 U
Aroclor 1248	SW8082A	0.041 UJ	0.041 UJ	0.038 UJ	0.036 UJ	0.045 UJ	0.045 U
Aroclor 1254	SW8082A	0.33 J	0.933 J	0.351 J	0.545 J	2.28 J	0.354
Aroclor 1260	SW8082A	5.45 J	2.7 J	1.26 J	1.72 J	8.38 J	0.916
Total PCB Aroclors (U = 0 max limit)		5.8 J	3.6 J	1.61 J	2.27 J	10.7 J	1.27

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-124-36-W-221006-00-0.5 10/6/2022 0–0.5 ft	SE-124-36-W-221006-01-1.33 10/6/2022 1–1.33 ft	SE-126-88-C4-221007-0.5-01 10/7/2022 0.5–1 ft	SE-126-88-C4-221007-00-0.5 10/7/2022 0–0.5 ft	SE-126-88-C4-221007-01-1.5 10/7/2022 1–1.5 ft	SE-126-88-C4-221007-02-2.5 10/7/2022 2–2.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.471 J	0.174 J	0.261 J	0.628 J	0.249 J	0.0341 J
Total solids	SM2540G	77.2	79	65.1	79.4	71.5	79.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.040 U	0.051 U	0.037 U	0.23 U	0.040 U
Aroclor 1221	SW8082A	0.042 U	0.040 U	0.051 U	0.037 U	0.23 U	0.040 U
Aroclor 1232	SW8082A	0.042 U	0.040 U	0.051 U	0.037 U	0.23 U	0.040 U
Aroclor 1242	SW8082A	0.042 U	0.040 U	0.051 U	0.037 U	0.23 U	0.040 U
Aroclor 1248	SW8082A	0.042 U	0.040 U	0.051 U	0.037 U	0.23 U	0.040 U
Aroclor 1254	SW8082A	0.324	0.0803	1.53	0.594	2.04	0.040 U
Aroclor 1260	SW8082A	1.01	0.255	6.89	1.63	8.17	0.040 U
Total PCB Aroclors (U = 0 max limit)		1.33	0.335	8.42	2.22	10.2	0.04 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-126-88-C4-221007-1.5-02 10/7/2022 1.5–2 ft	SE-126-88-E4-221007-0.5-01 10/7/2022 0.5–1 ft	SE-126-88-E4-221007-00-0.5 10/7/2022 0–0.5 ft	SE-126-88-E4-221007-01-1.5 10/7/2022 1–1.5 ft	SE-126-88-E4-221007-1.5-02 10/7/2022 1.5–2 ft	SE-126-88-W4-221007-0.5-01 10/7/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.254 J	0.767 J	0.264 J	0.102 J	0.0963 J	0.197 J
Total solids	SM2540G	73.5	68.1	70.2	80.8	80.3	88.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.049 U	0.043 U	0.038 U	0.042 U	0.033 U
Aroclor 1221	SW8082A	0.043 U	0.049 U	0.043 U	0.038 U	0.042 U	0.033 U
Aroclor 1232	SW8082A	0.043 U	0.049 U	0.043 U	0.038 U	0.042 U	0.033 U
Aroclor 1242	SW8082A	0.043 U	0.049 U	0.043 U	0.038 U	0.042 U	0.033 U
Aroclor 1248	SW8082A	0.043 U	0.049 U	0.043 U	0.038 U	0.042 U	0.033 U
Aroclor 1254	SW8082A	0.138	0.271	0.796	0.244	0.149	0.666
Aroclor 1260	SW8082A	0.743	0.958	5.01	0.801	0.506	1.41
Total PCB Aroclors (U = 0 max limit)		0.881	1.23	5.81	1.05	0.655	2.08

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-126-88-W4-221007-00-0.5 10/7/2022 0–0.5 ft	SE-126-88-W4-221007-01-1.5 10/7/2022 1–1.5 ft	SE-126-88-W4-221007-1.5-02 10/7/2022 1.5–2 ft	SE-126-88-W4-BD0001 10/7/2022 1–1.5 ft	SE-129-41-C-221007-0.5-01 10/7/2022 0.5–1 ft	SE-129-41-C-221007-00-0.5 10/7/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.229 J	0.255 J	0.127 J	1.41 J	0.0853 J	0.103 J
Total solids	SM2540G	76	79.6	88.8	73.4	91.9	79.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.041 U	0.036 U	0.045 U	0.033 U	0.040 U
Aroclor 1221	SW8082A	0.041 U	0.041 U	0.036 U	0.045 U	0.033 U	0.040 U
Aroclor 1232	SW8082A	0.041 U	0.041 U	0.036 U	0.045 U	0.033 U	0.040 U
Aroclor 1242	SW8082A	0.041 U	0.041 U	0.036 U	0.045 U	0.033 U	0.040 U
Aroclor 1248	SW8082A	0.041 U	0.041 U	0.036 U	0.045 U	0.033 U	0.040 U
Aroclor 1254	SW8082A	1.33	1.97 J	0.0369 J	2.25	0.308	0.108
Aroclor 1260	SW8082A	3.43	6.9 J	0.164 J	5.17	1.67	0.561
Total PCB Aroclors (U = 0 max limit)		4.76	8.9 J	0.201 J	7.42	1.98	0.669

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-129-41-C-221007-01-1.5 10/7/2022 1–1.5 ft	SE-129-41-C-221007-1.5-1.92 10/7/2022 1.5–1.92 ft	SE-129-41-E-221007-0.5-01 10/7/2022 0.5–1 ft	SE-129-41-E-221007-00-0.5 10/7/2022 0–0.5 ft	SE-129-41-E-221007-01-1.5 10/7/2022 1–1.5 ft	SE-129-41-E-221007-1.5-1.8 10/7/2022 1.5–1.8 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0836 J	0.0866 J	0.0886 J	0.152 J	0.0741 J	0.0464 J
Total solids	SM2540G	78.7	82.8	82.1	71	80.2	77.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 UJ	0.038 UJ	0.040 UJ	0.045 UJ	0.039 UJ	0.040 UJ
Aroclor 1221	SW8082A	0.038 UJ	0.038 UJ	0.040 UJ	0.045 UJ	0.039 UJ	0.040 UJ
Aroclor 1232	SW8082A	0.038 UJ	0.038 UJ	0.040 UJ	0.045 UJ	0.039 UJ	0.040 UJ
Aroclor 1242	SW8082A	0.038 UJ	0.038 UJ	0.040 UJ	0.045 UJ	0.039 UJ	0.040 UJ
Aroclor 1248	SW8082A	0.038 UJ	0.038 UJ	0.040 UJ	0.045 UJ	0.039 UJ	0.040 UJ
Aroclor 1254	SW8082A	0.0601 J	0.0590 J	0.0586 J	0.389 J	0.039 UJ	0.040 UJ
Aroclor 1260	SW8082A	0.274 J	0.038 UJ	0.322 J	1.11 J	0.039 UJ	0.040 UJ
Total PCB Aroclors (U = 0 max limit)		0.334 J	0.0590 J	0.381 J	1.50 J	0.035 UJ	0.04 UJ

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-129-41-W-221007-0.5-01 10/7/2022 0.5–1 ft	SE-129-41-W-221007-00-0.5 10/7/2022 0–0.5 ft	SE-129-41-W-221007-01-1.3 10/7/2022 1–1.3 ft	SE-129-41-W-BD0001 10/7/2022 0.5–1 ft	SE-131-91-C-221007-0.5-01 10/7/2022 0.5–1 ft	SE-131-91-C-221007-00-0.5 10/7/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.441 J	0.0999 J	1.27 J	0.251 J	0.344 J	0.363 J
Total solids	SM2540G	70.9	78.1	70.7	73	78.8	73.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 UJ	0.041 UJ	0.046 UJ	0.044 UJ	0.040 UJ	0.042 UJ
Aroclor 1221	SW8082A	0.045 UJ	0.041 UJ	0.046 UJ	0.044 UJ	0.040 UJ	0.042 UJ
Aroclor 1232	SW8082A	0.045 UJ	0.041 UJ	0.046 UJ	0.044 UJ	0.040 UJ	0.042 UJ
Aroclor 1242	SW8082A	0.045 UJ	0.041 UJ	0.046 UJ	0.044 UJ	0.040 UJ	0.042 UJ
Aroclor 1248	SW8082A	0.045 UJ	0.041 UJ	0.046 UJ	0.044 UJ	0.040 UJ	0.042 UJ
Aroclor 1254	SW8082A	0.317 J	0.041 UJ	0.22 J	0.955 J	1.27 J	0.759 J
Aroclor 1260	SW8082A	1.41 J	0.041 UJ	0.774 J	2.84 J	5.27 J	1.95 J
Total PCB Aroclors (U = 0 max limit)		1.73 J	0.037 UJ	0.99 J	3.80 J	6.54 J	2.71 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-131-91-C-221007-01-1.5 10/7/2022 1–1.5 ft	SE-131-91-C-221007-1.5-1.83 10/7/2022 1.5–1.83 ft	SE-131-91-E-221007-0.5-01 10/7/2022 0.5–1 ft	SE-131-91-E-221007-00-0.5 10/7/2022 0–0.5 ft	SE-131-91-E-221007-01-1.5 10/7/2022 1–1.5 ft	SE-131-91-E-221007-1.5-1.8 10/7/2022 1.5–1.8 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0393 J	0.0752 J	0.876 J	0.444 J	1.2 J	1.1 J
Total solids	SM2540G	82.2	82.2	70.7	71.4	72.6	65.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 UJ	0.037 UJ	0.047 UJ	-- R	0.042 UJ	0.049 UJ
Aroclor 1221	SW8082A	0.039 UJ	0.037 UJ	0.047 UJ	-- R	0.042 UJ	0.049 UJ
Aroclor 1232	SW8082A	0.039 UJ	0.037 UJ	0.047 UJ	-- R	0.042 UJ	0.049 UJ
Aroclor 1242	SW8082A	0.039 UJ	0.037 UJ	0.047 UJ	-- R	0.042 UJ	0.049 UJ
Aroclor 1248	SW8082A	0.039 UJ	0.037 UJ	0.047 UJ	-- R	0.042 UJ	0.049 UJ
Aroclor 1254	SW8082A	0.039 UJ	0.037 UJ	0.393 J	0.123 J	3.08 J	0.049 UJ
Aroclor 1260	SW8082A	0.039 UJ	0.037 UJ	0.853 J	1.55 J	5.74 J	0.049 UJ
Total PCB Aroclors (U = 0 max limit)		0.034 UJ	0.033 UJ	1.25 J	1.67 J	8.82 J	0.044 UJ

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-131-91-EG-221007-00-1.77 10/7/2022 0–1.77 ft	SE-131-91-W-221007-0.5-01 10/7/2022 0.5–1 ft	SE-131-91-W-221007-00-0.5 10/7/2022 0–0.5 ft	SE-131-91-W-221007-01-1.4 10/7/2022 1–1.4 ft	SE-134-45-C-221020-0.5-01 10/20/2022 0.5–1 ft	SE-134-45-C-221020-00-0.5 10/20/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	27	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	0.908 J	0.327 J	0.529 J	0.0679 J	0.115 J
Total solids	SM2540G	--	72.3	75.7	68.4	84.1	78.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0.5	--	--	--	--	--
Percent passing (hydrometer 1)	D422	4.2	--	--	--	--	--
Percent passing (hydrometer 2)	D422	2.5	--	--	--	--	--
Percent passing (hydrometer 3)	D422	1	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	97	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	17	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	85.9	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	93.5	--	--	--	--	--
Percent passing 50-micron sieve	D422	56.9	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	8.4	--	--	--	--	--
Percent passing 8.0 micron	D422	87.3	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	82.3	--	--	--	--	--
Percent retained 30-micron sieve	D422	75.3	--	--	--	--	--
Sand	D422	85.1	--	--	--	--	--
Silt	D422	8.4	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	-- R	0.044 UJ	0.048 UJ	0.038 U	0.040 U
Aroclor 1221	SW8082A	--	-- R	0.044 UJ	0.048 UJ	0.038 U	0.040 U
Aroclor 1232	SW8082A	--	-- R	0.044 UJ	0.048 UJ	0.038 U	0.040 U
Aroclor 1242	SW8082A	--	-- R	0.044 UJ	0.048 UJ	0.038 U	0.040 U
Aroclor 1248	SW8082A	--	-- R	0.044 UJ	0.048 UJ	0.038 U	0.040 U
Aroclor 1254	SW8082A	--	0.0729 J	0.564 J	0.048 UJ	0.15 J	0.159 J
Aroclor 1260	SW8082A	--	0.783 J	6.01 J	0.0852 J	0.478 J	1.31 J
Total PCB Aroclors (U = 0 max limit)		--	0.856 J	6.57 J	0.0852 J	0.63 J	1.47 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-C-221020-01-1.5 10/20/2022 1–1.5 ft	SE-134-45-C-221020-1.5-1.7 10/20/2022 1.5–1.7 ft	SE-134-45-E-221020-0.5-0.97 10/20/2022 0.5–0.97 ft	SE-134-45-E-221020-00-0.5 10/20/2022 0–0.5 ft	SE-134-45-W-221020-0.5-01 10/20/2022 0.5–1 ft	SE-134-45-W-221020-00-0.5 10/20/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0756 J	0.0531 J	0.146 J	2.98 J	0.235 J	0.655 J
Total solids	SM2540G	90.2	83.9	84.6	48.6	80.6	78.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.035 U	0.037 U	0.069 U	0.040 U	0.041 U
Aroclor 1221	SW8082A	0.033 U	0.035 U	0.037 U	0.069 U	0.040 U	0.041 U
Aroclor 1232	SW8082A	0.033 U	0.035 U	0.037 U	0.069 U	0.040 U	0.041 U
Aroclor 1242	SW8082A	0.033 U	0.035 U	0.037 U	0.069 U	0.040 U	0.041 U
Aroclor 1248	SW8082A	0.033 U	0.035 U	0.037 U	0.069 U	0.040 U	0.041 U
Aroclor 1254	SW8082A	0.033 U	0.035 U	0.0422 J	1.03 J	21.8 J	1.38 J
Aroclor 1260	SW8082A	0.033 U	0.035 U	0.205 J	4.24 J	137 J	10.9 J
Total PCB Aroclors (U = 0 max limit)		0.029 U	0.032 U	0.247 J	5.27 J	159 J	12.3 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-W-221020-01-1.5 10/20/2022 1–1.5 ft	SE-134-45-W-221020-1.5-02 10/20/2022 1.5–2 ft	SE-134-45-WG-221020-00-1.6 10/20/2022 0–1.6 ft	SE-136-95-C-221021-0.5-01 10/21/2022 0.5–1 ft	SE-136-95-C-221021-00-0.5 10/21/2022 0–0.5 ft	SE-136-95-C-221021-01-1.5 10/21/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	21.9	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	19.4 J	1.25 J	--	1.67 J	2.02 J	0.116 J
Total solids	SM2540G	19.3	60	--	77.7	85.9	85.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	6.3 J	--	--	--
Percent passing (hydrometer 1)	D422	--	--	4.1	--	--	--
Percent passing (hydrometer 2)	D422	--	--	4.1 J	--	--	--
Percent passing (hydrometer 3)	D422	--	--	4.1 J	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	3.0 J	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	81.8	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	93.7	--	--	--
Percent passing 50-micron sieve	D422	--	--	12.4 J	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	2.1 J	--	--	--
Percent passing 8.0 micron	D422	--	--	85.1	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	67.2	--	--	--
Percent retained 30-micron sieve	D422	--	--	33.7	--	--	--
Sand	D422	--	--	91.6	--	--	--
Silt	D422	--	--	2.1 J	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.17 U	0.054 U	--	0.041 U	0.037 U	0.036 U
Aroclor 1221	SW8082A	0.17 U	0.054 U	--	0.041 U	0.037 U	0.036 U
Aroclor 1232	SW8082A	0.17 U	0.054 U	--	0.041 U	0.037 U	0.036 U
Aroclor 1242	SW8082A	0.17 U	0.054 U	--	0.041 U	0.037 U	0.036 U
Aroclor 1248	SW8082A	0.17 U	0.054 U	--	0.041 U	0.037 U	0.036 U
Aroclor 1254	SW8082A	0.72 J	0.054 U	--	0.041 U	2.72 J	0.036 U
Aroclor 1260	SW8082A	1.66 J	0.054 U	--	0.041 U	5.17 J	0.0351 J
Total PCB Aroclors (U = 0 max limit)		2.4 J	0.048 U	--	0.037 U	7.89 J	0.0351 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-136-95-E-221021-0.5-01 10/21/2022 0.5–1 ft	SE-136-95-E-221021-00-0.5 10/21/2022 0–0.5 ft	SE-136-95-E-221021-01-1.5 10/21/2022 1–1.5 ft	SE-136-95-E-221021-1.5-1.7 10/21/2022 1.5–1.7 ft	SE-136-95-W-221021-0.5-01 10/21/2022 0.5–1 ft	SE-136-95-W-221021-00-0.5 10/21/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.14 J	0.16 J	0.0765 J	0.0557 J	0.323 J	0.535 J
Total solids	SM2540G	82.4	86.4	88.1	92	79.3	78
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.037 U	0.034 U	0.035 U	0.039 U	0.20 U
Aroclor 1221	SW8082A	0.037 U	0.037 U	0.034 U	0.035 U	0.039 U	0.20 U
Aroclor 1232	SW8082A	0.037 U	0.037 U	0.034 U	0.035 U	0.039 U	0.20 U
Aroclor 1242	SW8082A	0.037 U	0.037 U	0.034 U	0.035 U	0.039 U	0.20 U
Aroclor 1248	SW8082A	0.037 U	0.037 U	0.034 U	0.035 U	0.039 U	0.20 U
Aroclor 1254	SW8082A	0.929 J	0.494	0.034 U	0.035 U	0.24	2.44
Aroclor 1260	SW8082A	7.14 J	2.57	0.034 U	0.035 U	1.25	12.4
Total PCB Aroclors (U = 0 max limit)		8.07 J	3.06	0.030 U	0.031 U	1.5	14.8

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-136-95-W-221021-01-1.5 10/21/2022 1–1.5 ft	SE-136-95-W-221021-1.5-02 10/21/2022 1.5–2 ft	SE-136-95-WG-221021-00-1.1 10/21/2022 0–1.1 ft	SE-136-95-WG-221021-1.1-02 10/21/2022 1.1–2 ft	SE-139-45-C-221021-0.5-01 10/21/2022 0.5–1 ft	SE-139-45-C-221021-00-0.5 10/21/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	19.9	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0976 J	0.353 J	--	--	0.889 J	4.16 J
Total solids	SM2540G	88.4	86.7	--	--	91.1	79
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	69	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	1.2	16.9	--	--
Percent passing (hydrometer 1)	D422	--	--	2.8	1.6	--	--
Percent passing (hydrometer 2)	D422	--	--	2.8	1.6	--	--
Percent passing (hydrometer 3)	D422	--	--	2.8	0.52	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	3.1	2.2	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	97.3	53.1	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	100	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	98.8	83.1	--	--
Percent passing 50-micron sieve	D422	--	--	15.9	7.5	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	2.1	1.6	--	--
Percent passing 8.0 micron	D422	--	--	98	60.9	--	--
Percent retained 16,000-micron sieve	D422	--	--	93.5	34.2	--	--
Percent retained 30-micron sieve	D422	--	--	69.3	18.4	--	--
Sand	D422	--	--	96.7	81.6	--	--
Silt	D422	--	--	2.1	1.6	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.035 U	0.038 U	--	--	0.035 U	0.041 U
Aroclor 1221	SW8082A	0.035 U	0.038 U	--	--	0.035 U	0.041 U
Aroclor 1232	SW8082A	0.035 U	0.038 U	--	--	0.035 U	0.041 U
Aroclor 1242	SW8082A	0.035 U	0.038 U	--	--	0.035 U	0.041 U
Aroclor 1248	SW8082A	0.035 U	0.038 U	--	--	0.035 U	0.041 U
Aroclor 1254	SW8082A	0.238	0.345	--	--	0.431	0.732
Aroclor 1260	SW8082A	0.672	0.943	--	--	2.58 J	2.92
Total PCB Aroclors (U = 0 max limit)		0.91	1.29	--	--	3.01 J	3.65

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-139-45-C-221021-01-1.35 10/21/2022 1–1.35 ft	SE-139-45-C-BD0001 10/21/2022 0.5–1 ft	SE-139-45-E-221021-0.5-01 10/21/2022 0.5–1 ft	SE-139-45-E-221021-00-0.5 10/21/2022 0–0.5 ft	SE-139-45-E-221021-01-1.5 10/21/2022 1–1.5 ft	SE-139-45-E-221021-1.5-02 10/21/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.826 J	0.13 J	0.417 J	0.365 J	0.581 J	0.377 J
Total solids	SM2540G	79.3	79.9	75.2	78.9	85.7	78.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.038 U	0.044 U	0.039 U	0.035 U	0.038 U
Aroclor 1221	SW8082A	0.041 U	0.038 U	0.044 U	0.039 U	0.035 U	0.038 U
Aroclor 1232	SW8082A	0.041 U	0.038 U	0.044 U	0.039 U	0.035 U	0.038 U
Aroclor 1242	SW8082A	0.041 U	0.038 U	0.044 U	0.039 U	0.035 U	0.038 U
Aroclor 1248	SW8082A	0.041 U	0.038 U	0.044 U	0.039 U	0.035 U	0.038 U
Aroclor 1254	SW8082A	0.209	0.307	0.82 J	0.428	0.606	60.4 J
Aroclor 1260	SW8082A	0.776	4.43 J	4.77 J	3.42	4.79	724
Total PCB Aroclors (U = 0 max limit)		0.985	4.74 J	5.6 J	3.85	5.4	784 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-139-45-EG-221021-00-1.1 10/21/2022 0–1.1 ft	SE-139-45-EG-221021-1.1-02 10/21/2022 1.1–2 ft	SE-139-45-W-221021-0.5-01 10/21/2022 0.5–1 ft	SE-139-45-W-221021-00-0.5 10/21/2022 0–0.5 ft	SE-139-45-W-221021-01-1.5 10/21/2022 1–1.5 ft	SE-139-45-W-221021-1.5-02 10/21/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	26.9	21.6	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	--	0.0944 J	0.598 J	0.204 J	0.169 J
Total solids	SM2540G	--	--	87.8	84.5	85.1	76.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	7.3	--	--	--	--
Percent passing (hydrometer 1)	D422	4.8	2.2	--	--	--	--
Percent passing (hydrometer 2)	D422	4.8	2.2	--	--	--	--
Percent passing (hydrometer 3)	D422	0.96	0.74	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	5.7	1.4	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	99.4	79.1	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	92.7	--	--	--	--
Percent passing 50-micron sieve	D422	21.9	3.4	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	3.2	1.1	--	--	--	--
Percent passing 8.0 micron	D422	99.5	83.9	--	--	--	--
Percent retained 16,000-micron sieve	D422	98.8	48.4	--	--	--	--
Percent retained 30-micron sieve	D422	91	17.5	--	--	--	--
Sand	D422	96.8	91.6	--	--	--	--
Silt	D422	3.2	1.1	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	--	0.036 U	0.035 U	0.036 U	0.042 U
Aroclor 1221	SW8082A	--	--	0.036 U	0.035 U	0.036 U	0.042 U
Aroclor 1232	SW8082A	--	--	0.036 U	0.035 U	0.036 U	0.042 U
Aroclor 1242	SW8082A	--	--	0.036 U	0.035 U	0.036 U	0.042 U
Aroclor 1248	SW8082A	--	--	0.036 U	0.035 U	0.036 U	0.042 U
Aroclor 1254	SW8082A	--	--	0.326	0.901 J	0.292	0.042 U
Aroclor 1260	SW8082A	--	--	0.591	6.78 J	1.21	0.042 U
Total PCB Aroclors (U = 0 max limit)		--	--	0.917	7.68 J	1.5	0.037 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-142-07-C-221021-0.5-01 10/21/2022 0.5–1 ft	SE-142-07-C-221021-00-0.5 10/21/2022 0–0.5 ft	SE-142-07-C-221021-01-1.45 10/21/2022 1–1.45 ft	SE-142-07-E-221021-0.5-01 10/21/2022 0.5–1 ft	SE-142-07-E-221021-00-0.5 10/21/2022 0–0.5 ft	SE-142-07-E-221021-01-1.5 10/21/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.311 J	0.432 J	0.19 J	1.19 J	0.174 J	0.813 J
Total solids	SM2540G	83.1	78.2	79	59.5	79.9	70
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.039 U	0.037 U	0.053 U	0.038 U	0.045 U
Aroclor 1221	SW8082A	0.036 U	0.039 U	0.037 U	0.053 U	0.038 U	0.045 U
Aroclor 1232	SW8082A	0.036 U	0.039 U	0.037 U	0.053 U	0.038 U	0.045 U
Aroclor 1242	SW8082A	0.036 U	0.039 U	0.037 U	0.053 U	0.038 U	0.045 U
Aroclor 1248	SW8082A	0.036 U	0.039 U	0.037 U	0.053 U	0.038 U	0.045 U
Aroclor 1254	SW8082A	0.698	0.582	0.635	1.82	0.37	0.845 J
Aroclor 1260	SW8082A	5.35	1.83	2.2	10.5	3.74	1.46 J
Total PCB Aroclors (U = 0 max limit)		6.05	2.41	2.8	12.3	4.1	2.31 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-142-07-E-221021-1.5-1.73 10/21/2022 1.5–1.73 ft	SE-142-07-W-221021-0.5-01 10/21/2022 0.5–1 ft	SE-142-07-W-221021-00-0.5 10/21/2022 0–0.5 ft	SE-142-07-W-221021-01-1.5 10/21/2022 1–1.5 ft	SE-142-07-W-221021-02-2.27 10/21/2022 2–2.27 ft	SE-142-07-W-221021-1.5-02 10/21/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0836 J	0.47 J	0.651 J	0.702 J	1.16 J	0.209 J
Total solids	SM2540G	85.6	83.7	81.5	85.2	83.7	80.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.036 U	0.039 U	0.035 U	0.039 U	0.038 U
Aroclor 1221	SW8082A	0.036 U	0.036 U	0.039 U	0.035 U	0.039 U	0.038 U
Aroclor 1232	SW8082A	0.036 U	0.036 U	0.039 U	0.035 U	0.039 U	0.038 U
Aroclor 1242	SW8082A	0.036 U	0.036 U	0.039 U	0.035 U	0.039 U	0.038 U
Aroclor 1248	SW8082A	0.036 U	0.036 U	0.039 U	0.035 U	0.039 U	0.038 U
Aroclor 1254	SW8082A	0.036 U	0.295	0.509	4.42 J	0.596	1.31
Aroclor 1260	SW8082A	0.0273 J	1.2	1.71	6.47	1.29	11.1
Total PCB Aroclors (U = 0 max limit)		0.0273 J	1.5	2.22	10.9 J	1.89	12.4

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-142-07-WG-221021-00-2.27 10/21/2022 0–2.27 ft	SE-144-57-C-221026-0.5-01 10/26/2022 0.5–1 ft	SE-144-57-C-221026-00-0.5 10/26/2022 0–0.5 ft	SE-144-57-CG-221026-00-1.1 10/26/2022 0–1.1 ft	SE-144-57-E-221026-0.5-01 10/26/2022 0.5–1 ft	SE-144-57-E-221026-00-0.5 10/26/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	21	--	--	17.3	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	1.42 J	2.22 J	--	1.02 J	0.342 J
Total solids	SM2540G	--	78.9	87.7	--	77.7	78.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	9.7	--	--	15	--	--
Percent passing (hydrometer 1)	D422	2	--	--	2.6	--	--
Percent passing (hydrometer 2)	D422	2	--	--	1.5	--	--
Percent passing (hydrometer 3)	D422	0.67	--	--	1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	98.1	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	2.2	--	--	3.9	--	--
Percent passing 2000-micron sieve (No. 10)	D422	69.2	--	--	51.5	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	90.3	--	--	85	--	--
Percent passing 50-micron sieve	D422	8.6	--	--	8	--	--
Percent passing 75-micron sieve (No. 200)	D422	1.5	--	--	2.8	--	--
Percent passing 8.0 micron	D422	75.2	--	--	60.8	--	--
Percent retained 16,000-micron sieve	D422	53	--	--	33	--	--
Percent retained 30-micron sieve	D422	31.2	--	--	17.5	--	--
Sand	D422	88.9	--	--	82.2	--	--
Silt	D422	1.5	--	--	2.8	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	0.041 U	0.038 U	--	0.041 U	0.042 U
Aroclor 1221	SW8082A	--	0.041 U	0.038 U	--	0.041 U	0.042 U
Aroclor 1232	SW8082A	--	0.041 U	0.038 U	--	0.041 U	0.042 U
Aroclor 1242	SW8082A	--	0.041 U	0.038 U	--	0.041 U	0.042 U
Aroclor 1248	SW8082A	--	0.041 U	0.038 U	--	0.041 U	0.042 U
Aroclor 1254	SW8082A	--	1.1	0.459	--	0.379	0.495
Aroclor 1260	SW8082A	--	4.55	1.86	--	1.4	5.78
Total PCB Aroclors (U = 0 max limit)		--	5.7	2.32	--	1.8	6.28

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-144-57-E-221026-01-1.44 10/26/2022 1–1.44 ft	SE-144-57-W-221026-0.5-01 10/26/2022 0.5–1 ft	SE-144-57-W-221026-00-0.5 10/26/2022 0–0.5 ft	SE-144-57-W-221026-01-1.42 10/26/2022 1–1.42 ft	SE-147-09-C-221026-0.5-01 10/26/2022 0.5–1 ft	SE-147-09-C-221026-00-0.5 10/26/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	3.98 J	1.66 J	0.493 J	2.28 J	0.191 J	0.91 J
Total solids	SM2540G	72.1	66.8	70.4	55.7	75.4	74.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.049 U	0.047 U	0.060 U	0.044 U	0.045 U
Aroclor 1221	SW8082A	0.046 U	0.049 U	0.047 U	0.060 U	0.044 U	0.045 U
Aroclor 1232	SW8082A	0.046 U	0.049 U	0.047 U	0.060 U	0.044 U	0.045 U
Aroclor 1242	SW8082A	0.046 U	0.049 U	0.047 U	0.060 U	0.044 U	0.045 U
Aroclor 1248	SW8082A	0.046 U	0.049 U	0.047 U	0.060 U	0.044 U	0.045 U
Aroclor 1254	SW8082A	1.59 J	0.267	0.534	0.118	1.01 J	1.66
Aroclor 1260	SW8082A	3.56	0.896	2.78	0.333	4.95 J	6.39
Total PCB Aroclors (U = 0 max limit)		5.15 J	1.16	3.31	0.451	5.96 J	8.05

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-147-09-C-221026-01-1.5 10/26/2022 1–1.5 ft	SE-147-09-C-221026-02-2.15 10/26/2022 2–2.15 ft	SE-147-09-C-221026-1.5-02 10/26/2022 1.5–2 ft	SE-147-09-CG-221026-00-2.15 10/26/2022 0–2.15 ft	SE-147-09-E-221026-0.5-01 10/26/2022 0.5–1 ft	SE-147-09-E-221026-00-0.5 10/26/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	32.8	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.24 J	0.236 J	0.284 J	--	0.311 J	0.497 J
Total solids	SM2540G	73.8	70.7	75.5	--	78.3	64.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	1.3	--	--
Percent passing (hydrometer 1)	D422	--	--	--	4.5	--	--
Percent passing (hydrometer 2)	D422	--	--	--	2.7	--	--
Percent passing (hydrometer 3)	D422	--	--	--	1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	6.5	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	94.4	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	98.7	--	--
Percent passing 50-micron sieve	D422	--	--	--	16.7	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	5.8	--	--
Percent passing 8.0 micron	D422	--	--	--	96.2	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	85.4	--	--
Percent retained 30-micron sieve	D422	--	--	--	61.1	--	--
Sand	D422	--	--	--	92.9	--	--
Silt	D422	--	--	--	5.8	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.047 U	0.044 U	--	0.043 U	0.051 U
Aroclor 1221	SW8082A	0.045 U	0.047 U	0.044 U	--	0.043 U	0.051 U
Aroclor 1232	SW8082A	0.045 U	0.047 U	0.044 U	--	0.043 U	0.051 U
Aroclor 1242	SW8082A	0.045 U	0.047 U	0.044 U	--	0.043 U	0.051 U
Aroclor 1248	SW8082A	0.045 U	0.047 U	0.044 U	--	0.043 U	0.051 U
Aroclor 1254	SW8082A	1.18	0.484	0.906	--	0.35	1.1 J
Aroclor 1260	SW8082A	11.9	2.64	9.82	--	1.37	4.81
Total PCB Aroclors (U = 0 max limit)		13.1	3.12	10.7	--	1.7	5.9 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-147-09-E-221026-01-1.5 10/26/2022 1–1.5 ft	SE-147-09-E-221026-1.5-02 10/26/2022 1.5–2 ft	SE-147-09-E-BD0001 10/26/2022 1.5–2 ft	SE-147-09-W-221026-0.5-01 10/26/2022 0.5–1 ft	SE-147-09-W-221026-00-0.5 10/26/2022 0–0.5 ft	SE-147-09-W-221026-01-1.5 10/26/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.21 J	0.131 J	0.194 J	2.31 J	1.13 J	0.172 J
Total solids	SM2540G	76.1	74.4	79	56.2	77.1	73.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.045 U	0.042 U	0.059 U	0.043 U	0.045 U
Aroclor 1221	SW8082A	0.044 U	0.045 U	0.042 U	0.059 U	0.043 U	0.045 U
Aroclor 1232	SW8082A	0.044 U	0.045 U	0.042 U	0.059 U	0.043 U	0.045 U
Aroclor 1242	SW8082A	0.044 U	0.045 U	0.042 U	0.059 U	0.043 U	0.045 U
Aroclor 1248	SW8082A	0.044 U	0.045 U	0.042 U	0.059 U	0.043 U	0.045 U
Aroclor 1254	SW8082A	1.16	0.503 J	0.293 J	0.059 U	0.199	0.045 U
Aroclor 1260	SW8082A	8.71	3.46	2.66	0.059 U	0.554	0.045 U
Total PCB Aroclors (U = 0 max limit)		9.87	3.96 J	2.95 J	0.053 U	0.753	0.040 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-147-09-W-221026-1.5-1.9 10/26/2022 1.5–1.9 ft	SE-149-52-C-221109-0.5-01 11/9/2022 0.5–1 ft	SE-149-52-C-221109-00-0.5 11/9/2022 0–0.5 ft	SE-149-52-C-221109-01-1.39 11/9/2022 1–1.39 ft	SE-149-52-C-BD0001 11/9/2022 0–0.5 ft	SE-149-52-E-221109-0.5-0.74 11/9/2022 0.5–0.74 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.638 J	0.115 J	0.18 J	0.12 J	0.178 J	0.172 J
Total solids	SM2540G	78.5	80	70.3	90.6	79.5	73.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.039 U	0.044 U	0.034 U	0.042 U	0.045 U
Aroclor 1221	SW8082A	0.041 U	0.039 U	0.044 U	0.034 U	0.042 U	0.045 U
Aroclor 1232	SW8082A	0.041 U	0.039 U	0.044 U	0.034 U	0.042 U	0.045 U
Aroclor 1242	SW8082A	0.041 U	0.039 U	0.044 U	0.034 U	0.042 U	0.045 U
Aroclor 1248	SW8082A	0.041 U	0.039 U	0.044 U	0.034 U	0.042 U	0.045 U
Aroclor 1254	SW8082A	0.041 U	0.452 J	0.555	0.034 U	0.669	2.03 J
Aroclor 1260	SW8082A	0.041 U	1.69 J	1.47	1.24	2.13	10.4 J
Total PCB Aroclors (U = 0 max limit)		0.036 U	2.14 J	2.03	1.24	2.8	12.4 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-E-221109-00-0.5 11/9/2022 0–0.5 ft	SE-149-52-W-221109-0.5-01 11/9/2022 0.5–1 ft	SE-149-52-W-221109-00-0.5 11/9/2022 0–0.5 ft	SE-149-52-W-221109-01-1.5 11/9/2022 1–1.5 ft	SE-149-52-W-221109-02-2.25 11/9/2022 2–2.25 ft	SE-149-52-W-221109-1.5-02 11/9/2022 1.5–2 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.102 J	1.58 J	2.49 J	0.715 J	0.484 J	0.202 J
Total solids	SM2540G	78.3	71.8	45.8	72	74.6	75.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.045 U	0.069 U	0.046 U	0.042 U	0.040 U
Aroclor 1221	SW8082A	0.040 U	0.045 U	0.069 U	0.046 U	0.042 U	0.040 U
Aroclor 1232	SW8082A	0.040 U	0.045 U	0.069 U	0.046 U	0.042 U	0.040 U
Aroclor 1242	SW8082A	0.040 U	0.045 U	0.069 U	0.046 U	0.042 U	0.040 U
Aroclor 1248	SW8082A	0.040 U	0.045 U	0.069 U	0.046 U	0.042 U	0.040 U
Aroclor 1254	SW8082A	0.513	1.64	2.16	1.33	4.48 J	0.933 J
Aroclor 1260	SW8082A	2.17	4.87	5.81	5.41	37.3	2.6 J
Total PCB Aroclors (U = 0 max limit)		2.68	6.51	7.97	6.74	41.8 J	3.5 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-WG-221109-00-2.25 11/9/2022 0–2.25 ft	SE-152-01-C-221109-0.5-01 11/9/2022 0.5–1 ft	SE-152-01-C-221109-00-0.5 11/9/2022 0–0.5 ft	SE-152-01-C-221109-01-1.2 11/9/2022 1–1.2 ft	SE-152-01-E-221110-0.5-01 11/10/2022 0.5–1 ft	SE-152-01-E-221110-00-0.5 11/10/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	40.1	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	0.379 J	0.915 J	0.0402 J	0.102 J	0.188 J
Total solids	SM2540G	--	80.4	85.6	87.6	82.2	81.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	10	--	--	--	--	--
Percent passing (hydrometer 2)	D422	3	--	--	--	--	--
Percent passing (hydrometer 3)	D422	2	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	23	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	64.6	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	13.1	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	99.6	--	--	--	--	--
Percent retained 30-micron sieve	D422	97.5	--	--	--	--	--
Sand	D422	86.9	--	--	--	--	--
Silt	D422	13.1	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	0.037 U	0.036 U	0.038 U	0.041 U	0.037 U
Aroclor 1221	SW8082A	--	0.037 U	0.036 U	0.038 U	0.041 U	0.037 U
Aroclor 1232	SW8082A	--	0.037 U	0.036 U	0.038 U	0.041 U	0.037 U
Aroclor 1242	SW8082A	--	0.037 U	0.036 U	0.038 U	0.041 U	0.037 U
Aroclor 1248	SW8082A	--	0.037 U	0.036 U	0.038 U	0.041 U	0.037 U
Aroclor 1254	SW8082A	--	0.808	1.66 J	0.0269 J	1.17 J	0.233 J
Aroclor 1260	SW8082A	--	5.12	6.4 J	0.154 J	11.2 J	0.823 J
Total PCB Aroclors (U = 0 max limit)		--	5.93	8.1 J	0.181 J	12.4 J	1.06 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-152-01-E-221110-01-1.5 11/10/2022 1–1.5 ft	SE-152-01-W-221110-0.5-01 11/10/2022 0.5–1 ft	SE-152-01-W-221110-00-0.5 11/10/2022 0–0.5 ft	SE-154-51-C-221110-0.5-01 11/10/2022 0.5–1 ft	SE-154-51-C-221110-00-0.5 11/10/2022 0–0.5 ft	SE-154-51-C-221110-01-1.41 11/10/2022 1–1.41 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.127 J	0.139 J	0.14 J	0.164 J	0.594 J	0.0595 J
Total solids	SM2540G	83.1	89.7	89	78.4	91.7	89.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.036 U	0.034 U	0.040 U	0.033 U	0.037 U
Aroclor 1221	SW8082A	0.038 U	0.036 U	0.034 U	0.040 U	0.033 U	0.037 U
Aroclor 1232	SW8082A	0.038 U	0.036 U	0.034 U	0.040 U	0.033 U	0.037 U
Aroclor 1242	SW8082A	0.038 U	0.036 U	0.034 U	0.040 U	0.033 U	0.037 U
Aroclor 1248	SW8082A	0.038 U	0.036 U	0.034 U	0.040 U	0.033 U	0.037 U
Aroclor 1254	SW8082A	0.247 J	0.0840 J	0.151 J	1.9 J	2.19 J	0.037 U
Aroclor 1260	SW8082A	4.92 J	0.609 J	1.36 J	13.4 J	2.21 J	0.037 U
Total PCB Aroclors (U = 0 max limit)		5.17 J	0.693 J	1.51 J	15 J	4.40 J	0.033 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-154-51-E-221110-0.5-01 11/10/2022 0.5–1 ft	SE-154-51-E-221110-00-0.5 11/10/2022 0–0.5 ft	SE-154-51-E-221110-01-1.5 11/10/2022 1–1.5 ft	SE-154-51-E-221110-1.5-1.82 11/10/2022 1.5–1.82 ft	SE-154-51-E-BD0001 11/10/2022 1–1.5 ft	SE-154-51-W-221110-0.5-01 11/10/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.58 J	0.133 J	1.85 J	0.167 J	2.29 J	0.884 J
Total solids	SM2540G	87	81.8	81.1	82.1	79.7	72.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.038 U	0.039 U	0.037 U	0.040 U	0.042 U
Aroclor 1221	SW8082A	0.038 U	0.038 U	0.039 U	0.037 U	0.040 U	0.042 U
Aroclor 1232	SW8082A	0.038 U	0.038 U	0.039 U	0.037 U	0.040 U	0.042 U
Aroclor 1242	SW8082A	0.038 U	0.038 U	0.039 U	0.037 U	0.040 U	0.042 U
Aroclor 1248	SW8082A	0.038 U	0.038 U	0.039 U	0.037 U	0.040 U	0.042 U
Aroclor 1254	SW8082A	0.426 J	0.468 J	1.61 J	0.232 J	0.040 UJ	0.666 J
Aroclor 1260	SW8082A	4.07 J	2.9 J	18.3 J	2.5 J	6.08 J	2.58 J
Total PCB Aroclors (U = 0 max limit)		4.50 J	3.4 J	19.9 J	2.7 J	6.08 J	3.25 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-154-51-W-221110-00-0.5 11/10/2022 0–0.5 ft	SE-154-51-W-221110-01-1.5 11/10/2022 1–1.5 ft	SE-154-51-W-221110-1.5-02 11/10/2022 1.5–2 ft	SE-157-01-C-221110-0.5-01 11/10/2022 0.5–1 ft	SE-157-01-C-221110-00-0.5 11/10/2022 0–0.5 ft	SE-157-01-C-221110-01-1.5 11/10/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.51 J	0.682 J	0.783 J	0.172 J	7 J	0.279 J
Total solids	SM2540G	66.5	76.2	71.8	89.4	85	85.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.041 U	0.044 U	0.035 U	0.036 U	0.036 U
Aroclor 1221	SW8082A	0.046 U	0.041 U	0.044 U	0.035 U	0.036 U	0.036 U
Aroclor 1232	SW8082A	0.046 U	0.041 U	0.044 U	0.035 U	0.036 U	0.036 U
Aroclor 1242	SW8082A	0.046 U	0.041 U	0.044 U	0.035 U	0.036 U	0.036 U
Aroclor 1248	SW8082A	0.046 U	0.041 U	0.044 U	0.035 U	0.036 U	0.036 U
Aroclor 1254	SW8082A	0.41 J	0.639 J	1.21 J	2.91 J	0.721 J	0.59 J
Aroclor 1260	SW8082A	1.52 J	3.85 J	6.76 J	23.4 J	2.71 J	2.64 J
Total PCB Aroclors (U = 0 max limit)		1.9 J	4.49 J	7.97 J	26.3 J	3.43 J	3.2 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-157-01-C-221110-1.5-1.98 11/10/2022 1.5–1.98 ft	SE-157-01-CG-221110-00-1.98 11/10/2022 0–1.98 ft	SE-157-01-E-221110-0.5-01 11/10/2022 0.5–1 ft	SE-157-01-E-221110-00-0.5 11/10/2022 0–0.5 ft	SE-157-01-E-221110-01-1.5 11/10/2022 1–1.5 ft	SE-157-01-W-221110-0.5-01 11/10/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	17.1	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0915 J	--	0.109 J	0.11 J	0.83 J	0.522 J
Total solids	SM2540G	85.6	--	80.7	78.1	77.2	83.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	2.9	--	--	--	--
Percent passing (hydrometer 1)	D422	--	2.1	--	--	--	--
Percent passing (hydrometer 2)	D422	--	2.1	--	--	--	--
Percent passing (hydrometer 3)	D422	--	0.68	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	3	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	72.7	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	97.1	--	--	--	--
Percent passing 50-micron sieve	D422	--	8.5	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	2.6	--	--	--	--
Percent passing 8.0 micron	D422	--	76.1	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	59.1	--	--	--	--
Percent retained 30-micron sieve	D422	--	31.6	--	--	--	--
Sand	D422	--	94.5	--	--	--	--
Silt	D422	--	2.6	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	--	0.040 U	0.039 U	0.041 U	0.038 U
Aroclor 1221	SW8082A	0.038 U	--	0.040 U	0.039 U	0.041 U	0.038 U
Aroclor 1232	SW8082A	0.038 U	--	0.040 U	0.039 U	0.041 U	0.038 U
Aroclor 1242	SW8082A	0.038 U	--	0.040 U	0.039 U	0.041 U	0.038 U
Aroclor 1248	SW8082A	0.038 U	--	0.040 U	0.039 U	0.041 U	0.038 U
Aroclor 1254	SW8082A	0.789 J	--	0.346 J	0.442 J	2.7 J	6.73 J
Aroclor 1260	SW8082A	2.76 J	--	1.36 J	2.87 J	8.34 J	28.2 J
Total PCB Aroclors (U = 0 max limit)		3.55 J	--	1.71 J	3.31 J	11 J	34.9 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-157-01-W-221110-00-0.5 11/10/2022 0–0.5 ft	SE-157-01-W-221110-01-1.5 11/10/2022 1–1.5 ft	SE-157-01-W-221110-1.5-1.61 11/10/2022 1.5–1.61 ft	SE-159-59-W-221111-0.5-0.96 11/11/2022 0.5–0.96 ft	SE-159-59-W-221111-00-0.5 11/11/2022 0–0.5 ft	SE-162-09-W-221111-00-0.5 11/11/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.169 J	0.122 J	2.68 J	0.994 J	0.157 J	1.37 J
Total solids	SM2540G	83.8	88.6	68.9	72.4	76.1	67.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.034 U	0.047 U	0.041 U	0.041 U	0.048 U
Aroclor 1221	SW8082A	0.040 U	0.034 U	0.047 U	0.041 U	0.041 U	0.048 U
Aroclor 1232	SW8082A	0.040 U	0.034 U	0.047 U	0.041 U	0.041 U	0.048 U
Aroclor 1242	SW8082A	0.040 U	0.034 U	0.047 U	0.041 U	0.041 U	0.048 U
Aroclor 1248	SW8082A	0.040 U	0.034 U	0.047 U	0.041 U	0.041 U	0.048 U
Aroclor 1254	SW8082A	5.75 J	1.82 J	1.15 J	2.23 J	0.296 J	3.66 J
Aroclor 1260	SW8082A	35.1 J	8.09 J	3.94 J	10.4 J	0.964 J	14.8 J
Total PCB Aroclors (U = 0 max limit)		40.9 J	9.91 J	5.09 J	12.6 J	1.26 J	18.5 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-164-59-C-221111-0.5-01 11/11/2022 0.5–1 ft	SE-164-59-C-221111-00-0.5 11/11/2022 0–0.5 ft	SE-164-59-C-221111-01-1.3 11/11/2022 1–1.3 ft	SE-164-59-E-221111-0.5-01 11/11/2022 0.5–1 ft	SE-164-59-E-221111-00-0.5 11/11/2022 0–0.5 ft	SE-164-59-E-221111-01-1.5 11/11/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.477 J	0.185 J	1.07 J	0.131 J	0.121 J	0.332 J
Total solids	SM2540G	82.9	73.8	74	87.2	84.5	82.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.042 U	0.045 U	0.038 U	0.037 U	0.040 U
Aroclor 1221	SW8082A	0.038 U	0.042 U	0.045 U	0.038 U	0.037 U	0.040 U
Aroclor 1232	SW8082A	0.038 U	0.042 U	0.045 U	0.038 U	0.037 U	0.040 U
Aroclor 1242	SW8082A	0.038 U	0.042 U	0.045 U	0.038 U	0.037 U	0.040 U
Aroclor 1248	SW8082A	0.038 U	0.042 U	0.045 U	0.038 U	0.037 U	0.040 U
Aroclor 1254	SW8082A	2.44 J	0.524 J	7.66 J	0.0520 J	0.123 J	5.42 J
Aroclor 1260	SW8082A	11 J	1.65 J	37.8 J	0.241 J	0.547 J	16.3 J
Total PCB Aroclors (U = 0 max limit)		13 J	2.17 J	45.5 J	0.293 J	0.670 J	21.7 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-164-59-W-221111-0.5-01 11/11/2022 0.5–1 ft	SE-164-59-W-221111-00-0.5 11/11/2022 0–0.5 ft	SE-164-59-W-221111-01-1.5 11/11/2022 1–1.5 ft	SE-164-59-W-221111-1.5-1.94 11/11/2022 1.5–1.94 ft	SE-164-59-WG-221111-00-1.94 11/11/2022 0–1.94 ft	SE-167-11-C-221111-0.5-01 11/11/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	27.1	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.515 J	0.117 J	0.163 J	3.09 J	--	0.156 J
Total solids	SM2540G	78.2	75	74.1	62.6	--	82.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	3.4	--
Percent passing (hydrometer 1)	D422	--	--	--	--	2.7	--
Percent passing (hydrometer 2)	D422	--	--	--	--	0.9	--
Percent passing (hydrometer 3)	D422	--	--	--	--	0.9	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	6.7	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	93.1	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	96.6	--
Percent passing 50-micron sieve	D422	--	--	--	--	27.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	3.4	--
Percent passing 8.0 micron	D422	--	--	--	--	95.1	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	84.6	--
Percent retained 30-micron sieve	D422	--	--	--	--	65.1	--
Sand	D422	--	--	--	--	93.2	--
Silt	D422	--	--	--	--	3.4	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.044 U	0.045 U	0.048 U	--	0.041 U
Aroclor 1221	SW8082A	0.042 U	0.044 U	0.045 U	0.048 U	--	0.041 U
Aroclor 1232	SW8082A	0.042 U	0.044 U	0.045 U	0.048 U	--	0.041 U
Aroclor 1242	SW8082A	0.042 U	0.044 U	0.045 U	0.048 U	--	0.041 U
Aroclor 1248	SW8082A	0.042 U	0.044 U	0.045 U	0.048 U	--	0.041 U
Aroclor 1254	SW8082A	0.794 J	0.171 J	1.68 J	8.12 J	--	0.13 J
Aroclor 1260	SW8082A	2.97 J	0.97 J	7.62 J	15.9 J	--	0.646 J
Total PCB Aroclors (U = 0 max limit)		3.76 J	1.1 J	9.30 J	24.0 J	--	0.78 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-167-11-C-221111-00-0.5 11/11/2022 0–0.5 ft	SE-167-11-C-221111-01-1.12 11/11/2022 1–1.12 ft	SE-167-11-E-221115-0.5-0.72 11/15/2022 0.5–0.72 ft	SE-167-11-E-221115-00-0.5 11/15/2022 0–0.5 ft	SE-167-11-E-BD0001 11/15/2022 0–0.5 ft	SE-167-11-W-221115-0.5-01 11/15/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	3.18 J	0.651 J	0.188 J	0.535 J	0.172 J	1.45 J
Total solids	SM2540G	81	67.3	85.3	81.2	89.7	62.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.050 U	0.038 U	0.038 U	0.034 U	0.050 U
Aroclor 1221	SW8082A	0.041 U	0.050 U	0.038 U	0.038 U	0.034 U	0.050 U
Aroclor 1232	SW8082A	0.041 U	0.050 U	0.038 U	0.038 U	0.034 U	0.050 U
Aroclor 1242	SW8082A	0.041 U	0.050 U	0.038 U	0.038 U	0.034 U	0.050 U
Aroclor 1248	SW8082A	0.041 U	0.050 U	0.038 U	0.038 U	0.034 U	0.050 U
Aroclor 1254	SW8082A	1 J	0.0305 J	0.18 J	1.32 J	0.404 J	0.252
Aroclor 1260	SW8082A	5.65 J	0.0724 J	0.765 J	2.61 J	1.5 J	0.232
Total PCB Aroclors (U = 0 max limit)		6.7 J	0.103 J	0.95 J	3.93 J	1.9 J	0.484

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-167-11-W-221115-00-0.5 11/15/2022 0–0.5 ft	SE-167-11-W-221115-01-1.43 11/15/2022 1–1.43 ft	SE-169-65-C-221115-0.5-01 11/15/2022 0.5–1 ft	SE-169-65-C-221115-00-0.5 11/15/2022 0–0.5 ft	SE-169-65-C-221115-01-1.5 11/15/2022 1–1.5 ft	SE-169-65-E-221115-0.5-01 11/15/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.409	0.252	0.253	0.11	0.0567	0.221
Total solids	SM2540G	71.4	83.7	77.1	74.9	81.1	74.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.035 U	0.041 U	0.042 U	0.041 U	0.041 U
Aroclor 1221	SW8082A	0.046 U	0.035 U	0.041 U	0.042 U	0.041 U	0.041 U
Aroclor 1232	SW8082A	0.046 U	0.035 U	0.041 U	0.042 U	0.041 U	0.041 U
Aroclor 1242	SW8082A	0.046 U	0.035 U	0.041 U	0.042 U	0.041 U	0.041 U
Aroclor 1248	SW8082A	0.046 U	0.035 U	0.041 U	0.042 U	0.041 U	0.041 U
Aroclor 1254	SW8082A	9.65 J	0.035 U	0.041 U	0.772 J	0.041 U	1.11
Aroclor 1260	SW8082A	12 J	0.035 U	23	6.88 J	0.041 U	6.57
Total PCB Aroclors (U = 0 max limit)		22 J	0.032 U	23	7.65 J	0.036 U	7.68

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-169-65-E-221115-00-0.5 11/15/2022 0–0.5 ft	SE-169-65-E-221115-01-1.5 11/15/2022 1–1.5 ft	SE-169-65-E-221115-1.5-1.58 11/15/2022 1.5–1.58 ft	SE-169-65-W-221115-0.5-01 11/15/2022 0.5–1 ft	SE-169-65-W-221115-00-0.5 11/15/2022 0–0.5 ft	SE-169-65-W-221115-01-1.5 11/15/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.197	1.85	0.549	0.203	0.116 J	0.122 J
Total solids	SM2540G	71.9	53.8	77.4	78	83.2	83.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.060 U	0.039 U	0.041 U	0.037 U	0.036 U
Aroclor 1221	SW8082A	0.045 U	0.060 U	0.039 U	0.041 U	0.037 U	0.036 U
Aroclor 1232	SW8082A	0.045 U	0.060 U	0.039 U	0.041 U	0.037 U	0.036 U
Aroclor 1242	SW8082A	0.045 U	0.060 U	0.039 U	0.041 U	0.037 U	0.036 U
Aroclor 1248	SW8082A	0.045 U	0.060 U	0.039 U	0.041 U	0.037 U	0.036 U
Aroclor 1254	SW8082A	0.775 J	0.128 J	0.0562 J	0.484	0.593 J	0.036 U
Aroclor 1260	SW8082A	2.54 J	0.753 J	0.189 J	2.89	3.74 J	0.036 U
Total PCB Aroclors (U = 0 max limit)		3.32 J	0.881 J	0.245 J	3.37	4.33 J	0.033 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-172-16-C-221115-0.5-01 11/15/2022 0.5–1 ft	SE-172-16-C-221115-00-0.5 11/15/2022 0–0.5 ft	SE-172-16-C-221115-01-1.5 11/15/2022 1–1.5 ft	SE-172-16-C-221115-1.5-1.59 11/15/2022 1.5–1.59 ft	SE-172-16-E-221115-0.5-01 11/15/2022 0.5–1 ft	SE-172-16-E-221115-00-0.5 11/15/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.89 J	0.442 J	1.63 J	2 J	4.73 J	0.123 J
Total solids	SM2540G	77.1	77.1	76.3	60.1	54.1	77.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.039 U	0.040 U	0.052 U	0.058 U	0.039 U
Aroclor 1221	SW8082A	0.041 U	0.039 U	0.040 U	0.052 U	0.058 U	0.039 U
Aroclor 1232	SW8082A	0.041 U	0.039 U	0.040 U	0.052 U	0.058 U	0.039 U
Aroclor 1242	SW8082A	0.041 U	0.039 U	0.040 U	0.052 U	0.058 U	0.039 U
Aroclor 1248	SW8082A	0.041 U	0.039 U	0.040 U	0.052 U	0.058 U	0.039 U
Aroclor 1254	SW8082A	1.48 J	0.199	0.97	3.78	0.058 U	0.262 J
Aroclor 1260	SW8082A	7.29	0.971	0.358	0.542	0.058 U	1.17
Total PCB Aroclors (U = 0 max limit)		8.77 J	1.17	1.3	4.32	0.052 U	1.43 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-172-16-E-221115-01-1.5 11/15/2022 1–1.5 ft	SE-172-16-E-221115-1.5-1.88 11/15/2022 1.5–1.88 ft	SE-172-16-E-BD0001 11/15/2022 0.5–1 ft	SE-172-16-W-221115-0.5-01 11/15/2022 0.5–1 ft	SE-172-16-W-221115-00-0.5 11/15/2022 0–0.5 ft	SE-172-16-W-221115-01-1.5 11/15/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.73 J	0.0823 J	0.521 J	0.16 J	0.506 J	1 J
Total solids	SM2540G	63.8	78.8	74.2	84.7	82.3	77.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.050 U	0.042 U	0.043 U	0.037 U	0.039 U	0.038 U
Aroclor 1221	SW8082A	0.050 U	0.042 U	0.043 U	0.037 U	0.039 U	0.038 U
Aroclor 1232	SW8082A	0.050 U	0.042 U	0.043 U	0.037 U	0.039 U	0.038 U
Aroclor 1242	SW8082A	0.050 U	0.042 U	0.043 U	0.037 U	0.039 U	0.038 U
Aroclor 1248	SW8082A	0.050 U	0.042 U	0.043 U	0.037 U	0.039 U	0.038 U
Aroclor 1254	SW8082A	0.050 U	0.042 U	0.043 U	0.207 J	0.787 J	8.88 J
Aroclor 1260	SW8082A	0.050 U	0.042 U	0.043 U	0.727	4.85	62.6
Total PCB Aroclors (U = 0 max limit)		0.04 U	0.037 U	0.039 U	0.934 J	5.64 J	71.5 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-172-16-W-221115-1.5-1.88 11/15/2022 1.5–1.88 ft	SE-174-79-W-221117-0.5-01 11/17/2022 0.5–1 ft	SE-174-79-W-221117-00-0.5 11/17/2022 0–0.5 ft	SE-174-79-W-221117-01-1.5 11/17/2022 1–1.5 ft	SE-174-79-W-221117-1.5-1.81 11/17/2022 1.5–1.81 ft	SE-174-79-WG-221117-00-1.81 11/17/2022 0–1.81 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	37.5
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.55 J	0.582 J	1.25 J	0.298 J	0.151 J	--
Total solids	SM2540G	74.9	65.2	41	76.4	74.5	--
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	11
Percent passing (hydrometer 2)	D422	--	--	--	--	--	6.9
Percent passing (hydrometer 3)	D422	--	--	--	--	--	2.9
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	17.6
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	100
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	51.8
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	10.9
Percent passing 8.0 micron	D422	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.4
Percent retained 30-micron sieve	D422	--	--	--	--	--	95.6
Sand	D422	--	--	--	--	--	89.2
Silt	D422	--	--	--	--	--	10.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.049 U	0.073 U	0.041 U	0.042 U	--
Aroclor 1221	SW8082A	0.041 U	0.049 U	0.073 U	0.041 U	0.042 U	--
Aroclor 1232	SW8082A	0.041 U	0.049 U	0.073 U	0.041 U	0.042 U	--
Aroclor 1242	SW8082A	0.041 U	0.049 U	0.073 U	0.041 U	0.042 U	--
Aroclor 1248	SW8082A	0.041 U	0.049 U	0.073 U	0.041 U	0.042 U	--
Aroclor 1254	SW8082A	0.0497	0.805	1.23	0.173	0.304	--
Aroclor 1260	SW8082A	0.367	2.88	3.84	0.901	2.74	--
Total PCB Aroclors (U = 0 max limit)		0.417	3.69	5.07	1.07	3.04	--

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-177-31-C-221117-0.5-01 11/17/2022 0.5–1 ft	SE-177-31-C-221117-00-0.5 11/17/2022 0–0.5 ft	SE-177-31-C-221117-01-1.5 11/17/2022 1–1.5 ft	SE-177-31-E-221117-0.5-01 11/17/2022 0.5–1 ft	SE-177-31-E-221117-00-0.5 11/17/2022 0–0.5 ft	SE-177-31-E-221117-01-1.13 11/17/2022 1–1.13 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.92 J	0.127	0.204	0.272	1	0.0583
Total solids	SM2540G	70.7	82.1	83.3	79.8	75.4	81.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.037 U	0.038 U	0.037 U	0.042 U	0.036 U
Aroclor 1221	SW8082A	0.045 U	0.037 U	0.038 U	0.037 U	0.042 U	0.036 U
Aroclor 1232	SW8082A	0.045 U	0.037 U	0.038 U	0.037 U	0.042 U	0.036 U
Aroclor 1242	SW8082A	0.045 U	0.037 U	0.038 U	0.037 U	0.042 U	0.036 U
Aroclor 1248	SW8082A	0.045 U	0.037 U	0.038 U	0.037 U	0.042 U	0.036 U
Aroclor 1254	SW8082A	2.78	0.346 J	0.0604	0.037 U	0.0639	0.036 U
Aroclor 1260	SW8082A	12.6	2.3	0.176	0.0377	0.206	0.036 U
Total PCB Aroclors (U = 0 max limit)		15.4	2.6 J	0.236	0.0377	0.27	0.032 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-177-31-W-221117-0.5-01 11/17/2022 0.5–1 ft	SE-177-31-W-221117-00-0.5 11/17/2022 0–0.5 ft	SE-177-31-W-221117-01-1.5 11/17/2022 1–1.5 ft	SE-177-31-W-BD0001 11/17/2022 0.5–1 ft	SE-177-31-WG-221117-00-1.53 11/17/2022 0–1.53 ft	SE-179-81-C-221118-0.5-01 11/18/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	25.6	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0749 J	0.0786	0.466	0.148 J	--	0.0892 J
Total solids	SM2540G	80.3	80.6	68.5	80.3	--	96.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	6.8	--
Percent passing (hydrometer 2)	D422	--	--	--	--	4.9	--
Percent passing (hydrometer 3)	D422	--	--	--	--	0.98	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	10.5	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	98.6	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	--	--	28.1	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	6.9	--
Percent passing 8.0 micron	D422	--	--	--	--	98.9	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	96.3	--
Percent retained 30-micron sieve	D422	--	--	--	--	89.2	--
Sand	D422	--	--	--	--	93.1	--
Silt	D422	--	--	--	--	6.9	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.040 U	0.047 U	0.038 U	--	0.032 U
Aroclor 1221	SW8082A	0.040 U	0.040 U	0.047 U	0.038 U	--	0.032 U
Aroclor 1232	SW8082A	0.040 U	0.040 U	0.047 U	0.038 U	--	0.032 U
Aroclor 1242	SW8082A	0.040 U	0.040 U	0.047 U	0.038 U	--	0.032 U
Aroclor 1248	SW8082A	0.040 U	0.040 U	0.047 U	0.038 U	--	0.032 U
Aroclor 1254	SW8082A	2.99 J	0.432	0.0484	0.847 J	--	0.401
Aroclor 1260	SW8082A	23.6 J	2.87	0.0797	3.44 J	--	3.38
Total PCB Aroclors (U = 0 max limit)		26.6 J	3.3	0.128	4.29 J	--	3.78

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-179-81-C-221118-00-0.5 11/18/2022 0–0.5 ft	SE-179-81-C-221118-01-1.5 11/18/2022 1–1.5 ft	SE-179-81-E-221118-0.5-01 11/18/2022 0.5–1 ft	SE-179-81-E-221118-00-0.5 11/18/2022 0–0.5 ft	SE-179-81-E-221118-01-1.5 11/18/2022 1–1.5 ft	SE-179-81-E-221118-1.5-1.78 11/18/2022 1.5–1.78 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.36 J	0.083 J	0.136 J	0.0921 J	3.15 J	1.7 J
Total solids	SM2540G	74.8	98.1	82.8	77.6	51.7	57.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.032 U	0.038 U	0.040 U	0.063 U	0.054 U
Aroclor 1221	SW8082A	0.042 U	0.032 U	0.038 U	0.040 U	0.063 U	0.054 U
Aroclor 1232	SW8082A	0.042 U	0.032 U	0.038 U	0.040 U	0.063 U	0.054 U
Aroclor 1242	SW8082A	0.042 U	0.032 U	0.038 U	0.040 U	0.063 U	0.054 U
Aroclor 1248	SW8082A	0.042 U	0.032 U	0.038 U	0.040 U	0.063 U	0.054 U
Aroclor 1254	SW8082A	2.87	2.89 J	0.14	0.276	0.063 U	0.054 U
Aroclor 1260	SW8082A	25.4	18	1.34	1.52	0.063 U	0.054 U
Total PCB Aroclors (U = 0 max limit)		28.3	21 J	1.5	1.8	0.056 U	0.048 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-179-81-W-221118-0.5-01 11/18/2022 0.5–1 ft	SE-179-81-W-221118-00-0.5 11/18/2022 0–0.5 ft	SE-179-81-W-221118-01-1.41 11/18/2022 1–1.41 ft	SE-182-31-C-221118-0.5-01 11/18/2022 0.5–1 ft	SE-182-31-C-221118-00-0.5 11/18/2022 0–0.5 ft	SE-182-31-C-221118-01-1.5 11/18/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.742 J	0.145 J	0.688 J	0.267 J	0.147 J	0.137 J
Total solids	SM2540G	76.6	75.2	73.8	70.6	81.5	84.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.043 U	0.045 U	0.045 U	0.037 U	0.039 U
Aroclor 1221	SW8082A	0.039 U	0.043 U	0.045 U	0.045 U	0.037 U	0.039 U
Aroclor 1232	SW8082A	0.039 U	0.043 U	0.045 U	0.045 U	0.037 U	0.039 U
Aroclor 1242	SW8082A	0.039 U	0.043 U	0.045 U	0.045 U	0.037 U	0.039 U
Aroclor 1248	SW8082A	0.039 U	0.043 U	0.045 U	0.045 U	0.037 U	0.039 U
Aroclor 1254	SW8082A	5.89	0.202	1.69	0.82 J	0.397	0.276
Aroclor 1260	SW8082A	28.2	1.55	4.47	2.89 J	2.65	1.31
Total PCB Aroclors (U = 0 max limit)		34.1	1.75	6.16	3.7 J	3.05	1.59

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-C-221118-1.5-1.87 11/18/2022 1.5–1.87 ft	SE-182-31-E-221118-0.5-01 11/18/2022 0.5–1 ft	SE-182-31-E-221118-00-0.5 11/18/2022 0–0.5 ft	SE-182-31-E-221118-01-1.5 11/18/2022 1–1.5 ft	SE-182-31-W-221118-0.5-01 11/18/2022 0.5–1 ft	SE-182-31-W-221118-00-0.5 11/18/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.37 J	0.784 J	0.687 J	1.32 J	0.726 J	0.188 J
Total solids	SM2540G	78.5	77.1	86.8	72.9	76	81
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.040 U	0.037 U	0.040 U	0.040 U	0.040 U
Aroclor 1221	SW8082A	0.039 U	0.040 U	0.037 U	0.040 U	0.040 U	0.040 U
Aroclor 1232	SW8082A	0.039 U	0.040 U	0.037 U	0.040 U	0.040 U	0.040 U
Aroclor 1242	SW8082A	0.039 U	0.040 U	0.037 U	0.040 U	0.040 U	0.040 U
Aroclor 1248	SW8082A	0.039 U	0.040 U	0.037 U	0.040 U	0.040 U	0.040 U
Aroclor 1254	SW8082A	0.416 J	0.246 J	0.379 J	3 J	0.040 U	1.23 J
Aroclor 1260	SW8082A	5.41 J	1.03 J	3.64 J	8.87 J	0.040 U	19.8 J
Total PCB Aroclors (U = 0 max limit)		5.83 J	1.28 J	4.02 J	12 J	0.04 U	21.0 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-W-221118-01-1.44 11/18/2022 1–1.44 ft	SE-184-82-C-221202-0.5-01 12/2/2022 0.5–1 ft	SE-184-82-C-221202-00-0.5 12/2/2022 0–0.5 ft	SE-184-82-CG-221202-00-01 12/2/2022 0–1 ft	SE-184-82-E-221202-0.5-01 12/2/2022 0.5–1 ft	SE-184-82-E-221202-00-0.5 12/2/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	25.4	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.366 J	0.717	0.148	--	0.355	7.89
Total solids	SM2540G	81.4	84.5	86.1	--	89.6	44.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	1.2	--	--
Percent passing (hydrometer 1)	D422	--	--	--	2.6	--	--
Percent passing (hydrometer 2)	D422	--	--	--	0.88	--	--
Percent passing (hydrometer 3)	D422	--	--	--	0.88	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	5.2	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	94.4	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	98.8	--	--
Percent passing 50-micron sieve	D422	--	--	--	12.5	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	4.9	--	--
Percent passing 8.0 micron	D422	--	--	--	96.5	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	83.6	--	--
Percent retained 30-micron sieve	D422	--	--	--	50.4	--	--
Sand	D422	--	--	--	93.9	--	--
Silt	D422	--	--	--	4.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.037 U	0.038 U	--	0.036 U	0.074 U
Aroclor 1221	SW8082A	0.040 U	0.037 U	0.038 U	--	0.036 U	0.074 U
Aroclor 1232	SW8082A	0.040 U	0.037 U	0.038 U	--	0.036 U	0.074 U
Aroclor 1242	SW8082A	0.040 U	0.037 U	0.038 U	--	0.036 U	0.074 U
Aroclor 1248	SW8082A	0.040 U	0.037 U	0.038 U	--	0.036 U	0.074 U
Aroclor 1254	SW8082A	0.135 J	1.58 J	0.25	--	0.802 J	2.88 J
Aroclor 1260	SW8082A	0.402 J	22.4 J	3.28	--	8.33	8.24
Total PCB Aroclors (U = 0 max limit)		0.537 J	24.0 J	3.5	--	9.13 J	11.1 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-184-82-W-221202-0.5-0.91 12/2/2022 0.5–0.91 ft	SE-184-82-W-221202-00-0.5 12/2/2022 0–0.5 ft	SE-187-42-C-221122-0.5-01 11/22/2022 0.5–1 ft	SE-187-42-C-221122-00-0.5 11/22/2022 0–0.5 ft	SE-187-42-C-221122-01-1.5 11/22/2022 1–1.5 ft	SE-187-42-C-221122-1.5-1.7 11/22/2022 1.5–1.7 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.802	1.46	0.461 J	0.193	0.3	0.127
Total solids	SM2540G	72.1	61.1	79.1	81.2	74.8	78.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.050 U	0.040 U	0.039 U	0.040 U	0.040 U
Aroclor 1221	SW8082A	0.043 U	0.050 U	0.040 U	0.039 U	0.040 U	0.040 U
Aroclor 1232	SW8082A	0.043 U	0.050 U	0.040 U	0.039 U	0.040 U	0.040 U
Aroclor 1242	SW8082A	0.043 U	0.050 U	0.040 U	0.039 U	0.040 U	0.040 U
Aroclor 1248	SW8082A	0.043 U	0.050 U	0.040 U	0.039 U	0.040 U	0.040 U
Aroclor 1254	SW8082A	0.59	0.706	1.71 J	0.383	14 J	0.403
Aroclor 1260	SW8082A	6.06	4.72	9.22	1.47	86.9 J	1.24
Total PCB Aroclors (U = 0 max limit)		6.7	5.43	10.9 J	1.85	100 J	1.64

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-187-42-C-BD0001 11/22/2022 0.5–1 ft	SE-187-42-E-221122-0.5-01 11/22/2022 0.5–1 ft	SE-187-42-E-221122-00-0.5 11/22/2022 0–0.5 ft	SE-187-42-E-221122-01-1.5 11/22/2022 1–1.5 ft	SE-187-42-E-221122-1.5-1.62 11/22/2022 1.5–1.62 ft	SE-187-42-EG-221122-00-1.62 11/22/2022 0–1.62 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	16.6
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.124 J	0.663	1.12	1.25	0.458	--
Total solids	SM2540G	79.5	82.7	78.6	83.5	77	--
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	94
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	5.9
Percent passing (hydrometer 1)	D422	--	--	--	--	--	2.3
Percent passing (hydrometer 2)	D422	--	--	--	--	--	0.76
Percent passing (hydrometer 3)	D422	--	--	--	--	--	0.76
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	2.7
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	81.1
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	94.1
Percent passing 50-micron sieve	D422	--	--	--	--	--	6.8
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	2.4
Percent passing 8.0 micron	D422	--	--	--	--	--	88.8
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	58.4
Percent retained 30-micron sieve	D422	--	--	--	--	--	28.8
Sand	D422	--	--	--	--	--	91.7
Silt	D422	--	--	--	--	--	2.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.040 U	0.041 U	0.040 U	0.042 U	--
Aroclor 1221	SW8082A	0.042 U	0.040 U	0.041 U	0.040 U	0.042 U	--
Aroclor 1232	SW8082A	0.042 U	0.040 U	0.041 U	0.040 U	0.042 U	--
Aroclor 1242	SW8082A	0.042 U	0.040 U	0.041 U	0.040 U	0.042 U	--
Aroclor 1248	SW8082A	0.042 U	0.040 U	0.041 U	0.040 U	0.042 U	--
Aroclor 1254	SW8082A	0.816 J	9.02 J	3.05 J	1.46	0.827	--
Aroclor 1260	SW8082A	7.29	47.2 J	15.4 J	6	1.69	--
Total PCB Aroclors (U = 0 max limit)		8.11 J	56.2 J	18.5 J	7.5	2.52	--

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-187-42-W-221122-00-0.5 11/22/2022 0–0.5 ft	SE-190-03-C-221202-0.5-01 12/2/2022 0.5–1 ft	SE-190-03-C-221202-00-0.5 12/2/2022 0–0.5 ft	SE-190-03-C-221202-01-1.44 12/2/2022 1–1.44 ft	SE-190-03-CG-221202-00-1.44 12/2/2022 0–1.44 ft	SE-190-03-E-221202-0.5-0.85 12/2/2022 0.5–0.85 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	29.1	--
Total organic carbon	Lloyd Kahn	0.237	0.196	0.101 J	0.11 J	--	0.116 J
Total solids	SM2540G	79.6	72.9	79.4	76.3	--	79.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	20.2	--
Percent passing (hydrometer 1)	D422	--	--	--	--	4	--
Percent passing (hydrometer 2)	D422	--	--	--	--	0.92	--
Percent passing (hydrometer 3)	D422	--	--	--	--	0.92	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	8.6	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	95.8	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	99.1	--
Percent passing 50-micron sieve	D422	--	--	--	--	21.4	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	6.6	--
Percent passing 8.0 micron	D422	--	--	--	--	95.9	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	92.8	--
Percent retained 30-micron sieve	D422	--	--	--	--	74.9	--
Sand	D422	--	--	--	--	56	--
Silt	D422	--	--	--	--	6.6	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.040 U	0.045 U	0.040 U	0.044 U	--	0.041 U
Aroclor 1221	SW8082A	0.040 U	0.045 U	0.040 U	0.044 U	--	0.041 U
Aroclor 1232	SW8082A	0.040 U	0.045 U	0.040 U	0.044 U	--	0.041 U
Aroclor 1242	SW8082A	0.040 U	0.045 U	0.040 U	0.044 U	--	0.041 U
Aroclor 1248	SW8082A	0.040 U	0.045 U	0.040 U	0.044 U	--	0.041 U
Aroclor 1254	SW8082A	0.453	0.383	0.261	1.21 J	--	0.167
Aroclor 1260	SW8082A	4.64	1.37	1.43	8.77	--	0.701
Total PCB Aroclors (U = 0 max limit)		5.09	1.75	1.69	9.98 J	--	0.868

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-190-03-E-221202-00-0.5 12/2/2022 0–0.5 ft	SE-190-03-W-221202-0.5-01 12/2/2022 0.5–1 ft	SE-190-03-W-221202-00-0.5 12/2/2022 0–0.5 ft	SE-190-03-W-221202-01-1.36 12/2/2022 1–1.36 ft	SE-192-56-C-221122-0.5-01 11/22/2022 0.5–1 ft	SE-192-56-C-221122-00-0.5 11/22/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.162 J	0.333 J	0.178 J	0.557 J	0.156 J	0.132 J
Total solids	SM2540G	74.3	84.2	84.3	82.8	84.5	82.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.039 U	0.038 U	0.038 U	0.036 U	0.037 U
Aroclor 1221	SW8082A	0.043 U	0.039 U	0.038 U	0.038 U	0.036 U	0.037 U
Aroclor 1232	SW8082A	0.043 U	0.039 U	0.038 U	0.038 U	0.036 U	0.037 U
Aroclor 1242	SW8082A	0.043 U	0.039 U	0.038 U	0.038 U	0.036 U	0.037 U
Aroclor 1248	SW8082A	0.043 U	0.039 U	0.038 U	0.038 U	0.036 U	0.037 U
Aroclor 1254	SW8082A	0.479	0.245	0.272 J	0.965 J	20.5	0.65
Aroclor 1260	SW8082A	4.9	1.61	1.16	10.6	5.83	5.94
Total PCB Aroclors (U = 0 max limit)		5.4	1.86	1.43 J	11.6 J	26.3	6.6

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-192-56-C-221122-01-1.5 11/22/2022 1–1.5 ft	SE-192-56-E-221122-0.5-01 11/22/2022 0.5–1 ft	SE-192-56-E-221122-00-0.5 11/22/2022 0–0.5 ft	SE-192-56-E-221122-01-1.5 11/22/2022 1–1.5 ft	SE-192-56-E-221122-1.5-1.8 11/22/2022 1.5–1.8 ft	SE-192-56-EG-221122-1.25-1.8 11/22/2022 1.25–1.8 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	19
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0436 J	1.82 J	1.14 J	0.409 J	0.0658 J	--
Total solids	SM2540G	81.8	75.9	71.3	84.4	83.2	--
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	15.5
Percent passing (hydrometer 1)	D422	--	--	--	--	--	1.7
Percent passing (hydrometer 2)	D422	--	--	--	--	--	0.57
Percent passing (hydrometer 3)	D422	--	--	--	--	--	0.57
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	97.6
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	2.6
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	59.8
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	84.5
Percent passing 50-micron sieve	D422	--	--	--	--	--	9.6
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	1.9
Percent passing 8.0 micron	D422	--	--	--	--	--	64.5
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	50.9
Percent retained 30-micron sieve	D422	--	--	--	--	--	31.3
Sand	D422	--	--	--	--	--	82.6
Silt	D422	--	--	--	--	--	1.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.039 U	0.041 U	0.038 U	0.038 U	--
Aroclor 1221	SW8082A	0.038 U	0.039 U	0.041 U	0.038 U	0.038 U	--
Aroclor 1232	SW8082A	0.038 U	0.039 U	0.041 U	0.038 U	0.038 U	--
Aroclor 1242	SW8082A	0.038 U	0.039 U	0.041 U	0.038 U	0.038 U	--
Aroclor 1248	SW8082A	0.038 U	0.039 U	0.041 U	0.038 U	0.038 U	--
Aroclor 1254	SW8082A	0.038 U	0.039 U	1	0.038 U	0.038 U	--
Aroclor 1260	SW8082A	0.0200 J	0.0597	5.7	0.038 U	0.038 U	--
Total PCB Aroclors (U = 0 max limit)		0.0200 J	0.0597	6.7	0.034 U	0.034 U	--

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-192-56-W-221122-0.5-01 11/22/2022 0.5–1 ft	SE-192-56-W-221122-00-0.5 11/22/2022 0–0.5 ft	SE-192-56-W-221122-01-1.5 11/22/2022 1–1.5 ft	SE-192-56-W-221122-1.5-1.68 11/22/2022 1.5–1.68 ft	SE-192-56-W-BD0001 11/22/2022 1–1.5 ft	SE-195-10-C-221122-0.5-01 11/22/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.225 J	0.4 J	0.654 J	0.0671	0.0772 J	0.0733
Total solids	SM2540G	77.4	82.9	83.8	84.4	81.6	77.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.038 U	0.040 U	0.039 U	0.038 U	0.040 U	0.042 U
Aroclor 1221	SW8082A	0.038 U	0.040 U	0.039 U	0.038 U	0.040 U	0.042 U
Aroclor 1232	SW8082A	0.038 U	0.040 U	0.039 U	0.038 U	0.040 U	0.042 U
Aroclor 1242	SW8082A	0.038 U	0.040 U	0.039 U	0.038 U	0.040 U	0.042 U
Aroclor 1248	SW8082A	0.038 U	0.040 U	0.039 U	0.038 U	0.040 U	0.042 U
Aroclor 1254	SW8082A	0.102 J	0.405 J	0.178 J	0.038 U	0.0962 J	0.298 J
Aroclor 1260	SW8082A	0.702 J	4.75 J	0.511 J	0.0725 J	0.248 J	3.15 J
Total PCB Aroclors (U = 0 max limit)		0.804 J	5.16 J	0.689 J	0.0725 J	0.344 J	3.45 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-195-10-C-221122-00-0.5 11/22/2022 0–0.5 ft	SE-195-10-C-221122-01-1.5 11/22/2022 1–1.5 ft	SE-195-10-C-221122-1.5-1.6 11/22/2022 1.5–1.6 ft	SE-195-10-E-221122-0.5-01 11/22/2022 0.5–1 ft	SE-195-10-E-221122-00-0.5 11/22/2022 0–0.5 ft	SE-195-10-E-221122-01-1.5 11/22/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.109	0.213	0.288	0.0917	0.343	4.09
Total solids	SM2540G	87.8	80.8	82.1	83.6	90.2	80.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.034 U	0.037 U	0.037 U	0.037 U	0.034 U	0.038 U
Aroclor 1221	SW8082A	0.034 U	0.037 U	0.037 U	0.037 U	0.034 U	0.038 U
Aroclor 1232	SW8082A	0.034 U	0.037 U	0.037 U	0.037 U	0.034 U	0.038 U
Aroclor 1242	SW8082A	0.034 U	0.037 U	0.037 U	0.037 U	0.034 U	0.038 U
Aroclor 1248	SW8082A	0.034 U	0.037 U	0.037 U	0.037 U	0.034 U	0.038 U
Aroclor 1254	SW8082A	0.41 J	0.619 J	0.215 J	0.34 J	0.292 J	5.78 J
Aroclor 1260	SW8082A	3.16 J	3.86 J	1.22 J	1.96 J	4.54 J	35.2 J
Total PCB Aroclors (U = 0 max limit)		3.6 J	4.48 J	1.44 J	2.3 J	4.83 J	41.0 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-195-10-E-221122-1.5-1.78 11/22/2022 1.5–1.78 ft	SE-195-10-EG-221122-00-1.78 11/22/2022 0–1.78 ft	SE-195-10-W-221122-0.5-01 11/22/2022 0.5–1 ft	SE-195-10-W-221122-00-0.5 11/22/2022 0–0.5 ft	SE-195-10-W-221122-01-1.3 11/22/2022 1–1.3 ft	SE-197-61-C-221122-0.5-01 11/22/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	26.2	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	2.06	--	0.101 J	0.125 J	0.714 J	0.103 J
Total solids	SM2540G	75.8	--	85.4	79.5	66.4	78.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	8.7	--	--	--	--
Percent passing (hydrometer 1)	D422	--	2.3	--	--	--	--
Percent passing (hydrometer 2)	D422	--	0.77	--	--	--	--
Percent passing (hydrometer 3)	D422	--	0.77	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	98.2	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	98.5	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	98.5	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	7.8	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	80.7	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	98.5	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	91.3	--	--	--	--
Percent passing 50-micron sieve	D422	--	18.2	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	4.1	--	--	--	--
Percent passing 8.0 micron	D422	--	84	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	63.9	--	--	--	--
Percent retained 30-micron sieve	D422	--	41	--	--	--	--
Sand	D422	--	87.2	--	--	--	--
Silt	D422	--	4.1	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	--	0.036 U	0.041 U	0.045 U	0.038 U
Aroclor 1221	SW8082A	0.043 U	--	0.036 U	0.041 U	0.045 U	0.038 U
Aroclor 1232	SW8082A	0.043 U	--	0.036 U	0.041 U	0.045 U	0.038 U
Aroclor 1242	SW8082A	0.043 U	--	0.036 U	0.041 U	0.045 U	0.038 U
Aroclor 1248	SW8082A	0.043 U	--	0.036 U	0.041 U	0.045 U	0.038 U
Aroclor 1254	SW8082A	11.1 J	--	5.36 J	0.633 J	0.21 J	0.266 J
Aroclor 1260	SW8082A	76.9 J	--	51.6 J	2.01 J	1.04 J	2.16 J
Total PCB Aroclors (U = 0 max limit)		88.0 J	--	57.0 J	2.64 J	1.3 J	2.43 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-197-61-C-221122-00-0.5 11/22/2022 0–0.5 ft	SE-197-61-C-221122-01-1.5 11/22/2022 1–1.5 ft	SE-197-61-E-221122-0.5-01 11/22/2022 0.5–1 ft	SE-197-61-E-221122-00-0.5 11/22/2022 0–0.5 ft	SE-197-61-E-221122-01-1.49 11/22/2022 1–1.49 ft	SE-197-61-E-BD0001 11/22/2022 1–1.49 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.03 J	0.573 J	3.32 J	0.798 J	0.799 J	0.345 J
Total solids	SM2540G	78.5	75.3	63.7	77.3	80.5	82.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.044 U	0.050 U	0.039 U	0.038 U	0.037 U
Aroclor 1221	SW8082A	0.041 U	0.044 U	0.050 U	0.039 U	0.038 U	0.037 U
Aroclor 1232	SW8082A	0.041 U	0.044 U	0.050 U	0.039 U	0.038 U	0.037 U
Aroclor 1242	SW8082A	0.041 U	0.044 U	0.050 U	0.039 U	0.038 U	0.037 U
Aroclor 1248	SW8082A	0.041 U	0.044 U	0.050 U	0.039 U	0.038 U	0.037 U
Aroclor 1254	SW8082A	0.465 J	0.522 J	4.47 J	5.75 J	0.845 J	0.865 J
Aroclor 1260	SW8082A	5.26 J	6.25 J	67.9 J	87 J	9.32	6.33
Total PCB Aroclors (U = 0 max limit)		5.73 J	6.77 J	72.4 J	93 J	10.2 J	7.20 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-197-61-W-221122-0.5-01 11/22/2022 0.5–1 ft	SE-197-61-W-221122-00-0.5 11/22/2022 0–0.5 ft	SE-197-61-W-221122-01-1.5 11/22/2022 1–1.5 ft	SE-197-61-W-221122-1.5-1.68 11/22/2022 1.5–1.68 ft	SE-197-61-WG-221122-00-1.68 11/22/2022 0–1.68 ft	SE-200-12-C-221123-0.5-01 11/23/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	17.2	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	2.47 J	0.555 J	0.207 J	2.08 J	--	0.241 J
Total solids	SM2540G	74.3	74.6	79.1	76.4	--	84.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	8.2	--
Percent passing (hydrometer 1)	D422	--	--	--	--	2.3	--
Percent passing (hydrometer 2)	D422	--	--	--	--	0.77	--
Percent passing (hydrometer 3)	D422	--	--	--	--	0.77	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	97.5	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	3	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	80.7	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	91.8	--
Percent passing 50-micron sieve	D422	--	--	--	--	7.2	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	2.5	--
Percent passing 8.0 micron	D422	--	--	--	--	85.4	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	67.1	--
Percent retained 30-micron sieve	D422	--	--	--	--	37.4	--
Sand	D422	--	--	--	--	89.3	--
Silt	D422	--	--	--	--	2.5	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.041 U	0.041 U	0.039 U	--	0.039 U
Aroclor 1221	SW8082A	0.041 U	0.041 U	0.041 U	0.039 U	--	0.039 U
Aroclor 1232	SW8082A	0.041 U	0.041 U	0.041 U	0.039 U	--	0.039 U
Aroclor 1242	SW8082A	0.041 U	0.041 U	0.041 U	0.039 U	--	0.039 U
Aroclor 1248	SW8082A	0.041 U	0.041 U	0.041 U	0.039 U	--	0.039 U
Aroclor 1254	SW8082A	3.82 J	1.03 J	0.55 J	3.33 J	--	0.615 J
Aroclor 1260	SW8082A	13.1 J	12.7 J	3.6 J	49.5 J	--	8.27 J
Total PCB Aroclors (U = 0 max limit)		16.9 J	13.7 J	4.2 J	52.8 J	--	8.89 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-200-12-C-221123-00-0.5 11/23/2022 0–0.5 ft	SE-200-12-C-221123-01-1.32 11/23/2022 1–1.32 ft	SE-200-12-E-221123-0.5-01 11/23/2022 0.5–1 ft	SE-200-12-E-221123-00-0.5 11/23/2022 0–0.5 ft	SE-200-12-E-221123-01-1.5 11/23/2022 1–1.5 ft	SE-200-12-E-221123-1.5-1.63 11/23/2022 1.5–1.63 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.04 J	0.0468 J	0.214 J	0.714 J	0.812 J	0.314 J
Total solids	SM2540G	92.7	87.9	82	82.2	74.1	83.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.035 U	0.035 U	0.038 U	0.039 U	0.041 U	0.036 U
Aroclor 1221	SW8082A	0.035 U	0.035 U	0.038 U	0.039 U	0.041 U	0.036 U
Aroclor 1232	SW8082A	0.035 U	0.035 U	0.038 U	0.039 U	0.041 U	0.036 U
Aroclor 1242	SW8082A	0.035 U	0.035 U	0.038 U	0.039 U	0.041 U	0.036 U
Aroclor 1248	SW8082A	0.035 U	0.035 U	0.038 U	0.039 U	0.041 U	0.036 U
Aroclor 1254	SW8082A	0.407 J	0.035 U	0.352	0.655 J	0.236 J	0.036 U
Aroclor 1260	SW8082A	3.86 J	0.035 U	3.68	7.9 J	2.16 J	0.036 U
Total PCB Aroclors (U = 0 max limit)		4.27 J	0.032 U	4.03	8.6 J	2.40 J	0.032 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-200-12-E-BD0001 11/23/2022 1–1.5 ft	SE-200-12-W-221123-0.5-01 11/23/2022 0.5–1 ft	SE-200-12-W-221123-00-0.5 11/23/2022 0–0.5 ft	SE-200-12-W-221123-01-1.27 11/23/2022 1–1.27 ft	SE-202-64-C-221123-0.5-01 11/23/2022 0.5–1 ft	SE-202-64-C-221123-00-0.5 11/23/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.996 J	0.157 J	0.115 J	0.389 J	0.253 J	0.683 J
Total solids	SM2540G	70.6	77.5	82.1	71.3	80.4	76.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.043 U	0.042 U	0.040 U	0.046 U	0.040 U	0.040 U
Aroclor 1221	SW8082A	0.043 U	0.042 U	0.040 U	0.046 U	0.040 U	0.040 U
Aroclor 1232	SW8082A	0.043 U	0.042 U	0.040 U	0.046 U	0.040 U	0.040 U
Aroclor 1242	SW8082A	0.043 U	0.042 U	0.040 U	0.046 U	0.040 U	0.040 U
Aroclor 1248	SW8082A	0.043 U	0.042 U	0.040 U	0.046 U	0.040 U	0.040 U
Aroclor 1254	SW8082A	0.571 J	0.0484 J	0.179 J	0.046 U	0.685 J	3.42 J
Aroclor 1260	SW8082A	3.9 J	0.042 U	1.66 J	0.046 U	6.13 J	29.8
Total PCB Aroclors (U = 0 max limit)		4.5 J	0.0484 J	1.84 J	0.041 U	6.82 J	33.2 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-202-64-C-221123-01-1.5 11/23/2022 1–1.5 ft	SE-202-64-C-221123-1.5-1.64 11/23/2022 1.5–1.64 ft	SE-202-64-CG-221123-00-1.64 11/23/2022 0–1.64 ft	SE-202-64-E-221123-0.5-01 11/23/2022 0.5–1 ft	SE-202-64-E-221123-00-0.5 11/23/2022 0–0.5 ft	SE-202-64-E-221123-01-1.5 11/23/2022 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	47.4	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.271 J	0.253 J	--	0.31 J	1.09 J	0.433 J
Total solids	SM2540G	66.3	78.3	--	78.8	61	73.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	6.5	--	--	--
Percent passing (hydrometer 1)	D422	--	--	2.4	--	--	--
Percent passing (hydrometer 2)	D422	--	--	0.81	--	--	--
Percent passing (hydrometer 3)	D422	--	--	0.81	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	95.1	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	96.3	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	96.3	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	3.1	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	84.5	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	96.3	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	93.5	--	--	--
Percent passing 50-micron sieve	D422	--	--	9.4	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	2.4	--	--	--
Percent passing 8.0 micron	D422	--	--	87.3	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	68.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	36.7	--	--	--
Sand	D422	--	--	91.1	--	--	--
Silt	D422	--	--	2.4	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.041 U	--	0.038 U	0.054 U	0.042 U
Aroclor 1221	SW8082A	0.045 U	0.041 U	--	0.038 U	0.054 U	0.042 U
Aroclor 1232	SW8082A	0.045 U	0.041 U	--	0.038 U	0.054 U	0.042 U
Aroclor 1242	SW8082A	0.045 U	0.041 U	--	0.038 U	0.054 U	0.042 U
Aroclor 1248	SW8082A	0.045 U	0.041 U	--	0.038 U	0.054 U	0.042 U
Aroclor 1254	SW8082A	0.595 J	0.0269 J	--	1.39 J	1.37 J	1.02
Aroclor 1260	SW8082A	4.48 J	0.0896 J	--	20.7	9.9 J	11.3
Total PCB Aroclors (U = 0 max limit)		5.08 J	0.117 J	--	22.1 J	11 J	12.3

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-202-64-EG-221123-00-0.8 11/23/2022 0–0.8 ft	SE-202-64-W-221123-0.5-01 11/23/2022 0.5–1 ft	SE-202-64-W-221123-00-0.5 11/23/2022 0–0.5 ft	SE-202-64-W-221123-01-1.28 11/23/2022 1–1.28 ft	SE-205-17-C-221202-0.5-01 12/2/2022 0.5–1 ft	SE-205-17-C-221202-00-0.5 12/2/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	35.9	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	0.132 J	0.108 J	0.234 J	1.98 J	2.18 J
Total solids	SM2540G	--	74.8	90.6	73.7	81.2	84.7
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	9	--	--	--	--	--
Percent passing (hydrometer 2)	D422	4	--	--	--	--	--
Percent passing (hydrometer 3)	D422	2.9	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	25.4	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	--
Percent passing 50-micron sieve	D422	69.2	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	15.6	--	--	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	98.6	--	--	--	--	--
Percent retained 30-micron sieve	D422	93.3	--	--	--	--	--
Sand	D422	84.4	--	--	--	--	--
Silt	D422	15.6	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	0.041 U	0.035 U	0.042 U	0.038 U	0.035 U
Aroclor 1221	SW8082A	--	0.041 U	0.035 U	0.042 U	0.038 U	0.035 U
Aroclor 1232	SW8082A	--	0.041 U	0.035 U	0.042 U	0.038 U	0.035 U
Aroclor 1242	SW8082A	--	0.041 U	0.035 U	0.042 U	0.038 U	0.035 U
Aroclor 1248	SW8082A	--	0.041 U	0.035 U	0.042 U	0.038 U	0.035 U
Aroclor 1254	SW8082A	--	0.36 J	0.38 J	0.426 J	1.1 J	1.23
Aroclor 1260	SW8082A	--	2.67 J	3.39 J	3.01 J	6.69	10.6
Total PCB Aroclors (U = 0 max limit)		--	3.0 J	3.8 J	3.44 J	7.8 J	11.8

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-205-17-C-221202-01-1.3 12/2/2022 1–1.3 ft	SE-205-17-E-221202-0.5-01 12/2/2022 0.5–1 ft	SE-205-17-E-221202-00-0.5 12/2/2022 0–0.5 ft	SE-205-17-EG-221202-00-01 12/2/2022 0–1 ft	SE-205-17-W-221202-0.5-01 12/2/2022 0.5–1 ft	SE-205-17-W-221202-00-0.5 12/2/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	29.4	--	--
Total organic carbon	Lloyd Kahn	5.63 J	0.0425 J	0.0644 J	--	0.315 J	0.153 J
Total solids	SM2540G	83.6	78.6	77.6	--	79.6	79.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	110	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	20.2	--	--
Percent passing (hydrometer 1)	D422	--	--	--	10	--	--
Percent passing (hydrometer 2)	D422	--	--	--	3	--	--
Percent passing (hydrometer 3)	D422	--	--	--	2.2	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	80.9	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	80.9	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	80.9	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	33.4	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	76	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	82.6	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	79.8	--	--
Percent passing 50-micron sieve	D422	--	--	--	45.7	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	23.6	--	--
Percent passing 8.0 micron	D422	--	--	--	78.5	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	75.6	--	--
Percent retained 30-micron sieve	D422	--	--	--	74.7	--	--
Sand	D422	--	--	--	56	--	--
Silt	D422	--	--	--	23.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.037 U	0.042 U	0.041 U	--	0.039 U	0.042 U
Aroclor 1221	SW8082A	0.037 U	0.042 U	0.041 U	--	0.039 U	0.042 U
Aroclor 1232	SW8082A	0.037 U	0.042 U	0.041 U	--	0.039 U	0.042 U
Aroclor 1242	SW8082A	0.037 U	0.042 U	0.041 U	--	0.039 U	0.042 U
Aroclor 1248	SW8082A	0.037 U	0.042 U	0.041 U	--	0.039 U	0.042 U
Aroclor 1254	SW8082A	0.387	0.042 U	0.041 U	--	0.463 J	0.8 J
Aroclor 1260	SW8082A	1.33	0.042 U	0.0834	--	3.11	4.16 J
Total PCB Aroclors (U = 0 max limit)		1.72	0.037 U	0.0834	--	3.57 J	5.0 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-205-17-W-221202-01-1.25 12/2/2022 1–1.25 ft	SE-207-91-C-221123-0.5-01 11/23/2022 0.5–1 ft	SE-207-91-C-221123-00-0.5 11/23/2022 0–0.5 ft	SE-207-91-C-221123-01-1.25 11/23/2022 1–1.25 ft	SE-207-91-E-221123-0.5-01 11/23/2022 0.5–1 ft	SE-207-91-E-221123-00-0.5 11/23/2022 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.326 J	0.0746 J	0.146 J	0.0395 J	12.5 J	9.92 J
Total solids	SM2540G	80.6	87	85.1	86.5	18.7	22.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.036 U	0.038 U	0.035 U	0.16 U	0.15 U
Aroclor 1221	SW8082A	0.039 U	0.036 U	0.038 U	0.035 U	0.16 U	0.15 U
Aroclor 1232	SW8082A	0.039 U	0.036 U	0.038 U	0.035 U	0.16 U	0.15 U
Aroclor 1242	SW8082A	0.039 U	0.036 U	0.038 U	0.035 U	0.16 U	0.15 U
Aroclor 1248	SW8082A	0.039 U	0.036 U	0.038 U	0.035 U	0.16 U	0.15 U
Aroclor 1254	SW8082A	4.87	0.0677 J	0.376 J	0.035 U	0.16 U	0.15 U
Aroclor 1260	SW8082A	25.3	0.962	1.23 J	0.0939 J	0.16 U	0.15 U
Total PCB Aroclors (U = 0 max limit)		30.2	1.03 J	1.61 J	0.0939 J	0.14 U	0.13 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-207-91-E-221123-01-1.34 11/23/2022 1–1.34 ft	SE-207-91-W-221123-0.5-01 11/23/2022 0.5–1 ft	SE-207-91-W-221123-00-0.5 11/23/2022 0–0.5 ft	SE-207-91-W-221123-01-1.5 11/23/2022 1–1.5 ft	SE-207-91-WG-221123-00-1.66 11/23/2022 0–1.66 ft	SE-210-40-C-221123-0.5-01 11/23/2022 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	30.8	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	11.8	0.176	0.218	0.0588	--	0.513
Total solids	SM2540G	27.3	69	70.7	83.8	--	74.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	3.6	--
Percent passing (hydrometer 1)	D422	--	--	--	--	4	--
Percent passing (hydrometer 2)	D422	--	--	--	--	2	--
Percent passing (hydrometer 3)	D422	--	--	--	--	0.88	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	98.4	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	98.4	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	98.4	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	6.5	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	91.6	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	98.4	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	93.4	--
Percent passing 50-micron sieve	D422	--	--	--	--	17.6	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	4.9	--
Percent passing 8.0 micron	D422	--	--	--	--	92.9	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	83.1	--
Percent retained 30-micron sieve	D422	--	--	--	--	65	--
Sand	D422	--	--	--	--	91.5	--
Silt	D422	--	--	--	--	4.9	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.11 U	0.046 U	0.045 U	0.037 U	--	0.043 U
Aroclor 1221	SW8082A	0.11 U	0.046 U	0.045 U	0.037 U	--	0.043 U
Aroclor 1232	SW8082A	0.11 U	0.046 U	0.045 U	0.037 U	--	0.043 U
Aroclor 1242	SW8082A	0.11 U	0.046 U	0.045 U	0.037 U	--	0.043 U
Aroclor 1248	SW8082A	0.11 U	0.046 U	0.045 U	0.037 U	--	0.043 U
Aroclor 1254	SW8082A	0.222 J	1.6 J	0.297	0.419 J	--	0.349 J
Aroclor 1260	SW8082A	1.01 J	15.8 J	3.11	1.77 J	--	3.47 J
Total PCB Aroclors (U = 0 max limit)		1.23 J	17 J	3.41	2.19 J	--	3.82 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-210-40-C-221123-00-0.5 11/23/2022 0–0.5 ft	SE-210-40-C-221123-01-1.45 11/23/2022 1–1.45 ft	SE-210-40-CG-221123-00-1.45 11/23/2022 0–1.45 ft	SE-210-40-E-221123-0.5-01 11/23/2022 0.5–1 ft	SE-210-40-E-221123-00-0.5 11/23/2022 0–0.5 ft	SE-210-40-E-221123-01-1.48 11/23/2022 1–1.48 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	14.6	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.172	0.153	--	0.765	1.35	3.74
Total solids	SM2540G	96	84.3	--	77	75.1	20.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	1.6	--	--	--
Percent passing (hydrometer 1)	D422	--	--	2.5	--	--	--
Percent passing (hydrometer 2)	D422	--	--	0.84	--	--	--
Percent passing (hydrometer 3)	D422	--	--	0.84	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	3.9	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	90.7	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	98.4	--	--	--
Percent passing 50-micron sieve	D422	--	--	7.8	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	3.3	--	--	--
Percent passing 8.0 micron	D422	--	--	94.3	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	66.4	--	--	--
Percent retained 30-micron sieve	D422	--	--	31	--	--	--
Sand	D422	--	--	95.2	--	--	--
Silt	D422	--	--	3.1	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.036 U	--	0.039 U	0.044 U	0.15 U
Aroclor 1221	SW8082A	0.033 U	0.036 U	--	0.039 U	0.044 U	0.15 U
Aroclor 1232	SW8082A	0.033 U	0.036 U	--	0.039 U	0.044 U	0.15 U
Aroclor 1242	SW8082A	0.033 U	0.036 U	--	0.039 U	0.044 U	0.15 U
Aroclor 1248	SW8082A	0.033 U	0.036 U	--	0.039 U	0.044 U	0.15 U
Aroclor 1254	SW8082A	0.17 J	0.761 J	--	0.507 J	0.789 J	0.15 U
Aroclor 1260	SW8082A	1.22 J	3.8 J	--	1.36 J	1.05 J	0.15 U
Total PCB Aroclors (U = 0 max limit)		1.4 J	4.6 J	--	1.87 J	1.84 J	0.14 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-210-40-W-221123-0.5-01 11/23/2022 0.5–1 ft	SE-210-40-W-221123-00-0.5 11/23/2022 0–0.5 ft	SE-210-40-W-221123-01-1.37 11/23/2022 1–1.37 ft	SE-210-40-W-BD0001 11/23/2022 0.5–1 ft	SE-212-90-C-230515-0.5-01 5/15/2023 0.5–1 ft	SE-212-90-C-230515-00-0.5 5/15/2023 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.23 J	0.0973 J	0.163 J	0.134 J	1.9	2.87
Total solids	SM2540G	74	74.7	70.5	75.9	81.7	74
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.045 U	0.043 U	0.043 U	0.042 U	0.024 U	0.026 U
Aroclor 1221	SW8082A	0.045 U	0.043 U	0.043 U	0.042 U	0.024 U	0.026 U
Aroclor 1232	SW8082A	0.045 U	0.043 U	0.043 U	0.042 U	0.024 U	0.026 U
Aroclor 1242	SW8082A	0.045 U	0.043 U	0.043 U	0.042 U	0.024 U	0.026 U
Aroclor 1248	SW8082A	0.045 U	0.043 U	0.043 U	0.042 U	0.024 U	0.026 U
Aroclor 1254	SW8082A	0.488 J	0.808 J	0.722 J	0.421 J	0.024 U	0.026 U
Aroclor 1260	SW8082A	3.11 J	2.16 J	4.59 J	1.58 J	0.805	0.468
Total PCB Aroclors (U = 0 max limit)		3.60 J	2.97 J	5.31 J	2.00 J	0.805	0.468

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-212-90-C-230515-01-1.5 5/15/2023 1–1.5 ft	SE-212-90-C-230515-1.5-1.59 5/15/2023 1.5–1.59 ft	SE-212-90-E-230515-0.5-01 5/15/2023 0.5–1 ft	SE-212-90-E-230515-00-0.5 5/15/2023 0–0.5 ft	SE-212-90-E-230515-01-1.5 5/15/2023 1–1.5 ft	SE-212-90-E-230515-1.5-1.97 5/15/2023 1.5–1.97 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.102	0.163	0.299	0.211	0.119	0.0734
Total solids	SM2540G	90.3	82.9	79	74.1	79.5	86
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.022 U	0.023 U	0.024 U	0.026 U	0.023 U	0.023 U
Aroclor 1221	SW8082A	0.022 U	0.023 U	0.024 U	0.026 U	0.023 U	0.023 U
Aroclor 1232	SW8082A	0.022 U	0.023 U	0.024 U	0.026 U	0.023 U	0.023 U
Aroclor 1242	SW8082A	0.022 U	0.023 U	0.024 U	0.026 U	0.023 U	0.023 U
Aroclor 1248	SW8082A	0.022 U	0.023 U	0.024 U	0.026 U	0.023 U	0.023 U
Aroclor 1254	SW8082A	0.022 U	0.023 U	0.024 U	0.026 U	0.023 U	0.023 U
Aroclor 1260	SW8082A	0.202	0.0239	8.12	8.59	0.0409	0.0221 J
Total PCB Aroclors (U = 0 max limit)		0.202	0.0239	8.12	8.59	0.0409	0.0221 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-212-90-E-G-230515-0.7-1.97 5/15/2023 0.7–1.97 ft	SE-212-90-W-230515-0.5-01 5/15/2023 0.5–1 ft	SE-212-90-W-230515-00-0.5 5/15/2023 0–0.5 ft	SE-212-90-W-230515-01-1.5 5/15/2023 1–1.5 ft	SE-212-90-W-230515-1.5-1.88 5/15/2023 1.5–1.88 ft	SE-212-90-W-BD0001 5/15/2023 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	27.1	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	0.531 J	0.106	0.0885 J	0.117 J	2.38 J
Total solids	SM2540G	--	75.3	79	81.7	79.9	66.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	6.6	--	--	--	--	--
Percent passing (hydrometer 1)	D422	3	--	--	--	--	--
Percent passing (hydrometer 2)	D422	2	--	--	--	--	--
Percent passing (hydrometer 3)	D422	0.8	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	6	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	82	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	93.4	--	--	--	--	--
Percent passing 50-micron sieve	D422	10.2	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	5.1	--	--	--	--	--
Percent passing 8.0 micron	D422	85.3	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	65.2	--	--	--	--	--
Percent retained 30-micron sieve	D422	36.2	--	--	--	--	--
Sand	D422	88.3	--	--	--	--	--
Silt	D422	5.1	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	0.026 U	0.025 U	0.024 U	0.025 U	0.030 U
Aroclor 1221	SW8082A	--	0.026 U	0.025 U	0.024 U	0.025 U	0.030 U
Aroclor 1232	SW8082A	--	0.026 U	0.025 U	0.024 U	0.025 U	0.030 U
Aroclor 1242	SW8082A	--	0.026 U	0.025 U	0.024 U	0.025 U	0.030 U
Aroclor 1248	SW8082A	--	0.026 U	0.025 U	0.024 U	0.025 U	0.030 U
Aroclor 1254	SW8082A	--	0.026 U	0.025 U	0.024 U	0.025 U	0.030 U
Aroclor 1260	SW8082A	--	0.0191 J	0.366	0.024 U	0.025 U	0.0247 J
Total PCB Aroclors (U = 0 max limit)		--	0.0191 J	0.366	0.0052 U	0.0054 U	0.0247 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-215-39-C-230515-0.5-01 5/15/2023 0.5–1 ft	SE-215-39-C-230515-00-0.5 5/15/2023 0–0.5 ft	SE-215-39-C-230515-01-1.5 5/15/2023 1–1.5 ft	SE-215-39-C-G-230515-00-1.64 5/15/2023 0–1.64 ft	SE-215-39-E-230515-0.5-01 5/15/2023 0.5–1 ft	SE-215-39-E-230515-00-0.5 5/15/2023 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	20.2	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.312 J	0.129 J	0.118 J	--	0.523 J	0.255 J
Total solids	SM2540G	81.7	80.1	86.4	--	80.6	79.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	12.5	--	--
Percent passing (hydrometer 1)	D422	--	--	--	3	--	--
Percent passing (hydrometer 2)	D422	--	--	--	2	--	--
Percent passing (hydrometer 3)	D422	--	--	--	0.65	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	94.6	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	4.7	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	67.1	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	87.5	--	--
Percent passing 50-micron sieve	D422	--	--	--	11.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	3.5	--	--
Percent passing 8.0 micron	D422	--	--	--	75.7	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	52.9	--	--
Percent retained 30-micron sieve	D422	--	--	--	34.4	--	--
Sand	D422	--	--	--	84	--	--
Silt	D422	--	--	--	3.5	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.024 U	0.024 U	0.023 U	--	0.023 U	0.024 U
Aroclor 1221	SW8082A	0.024 U	0.024 U	0.023 U	--	0.023 U	0.024 U
Aroclor 1232	SW8082A	0.024 U	0.024 U	0.023 U	--	0.023 U	0.024 U
Aroclor 1242	SW8082A	0.024 U	0.024 U	0.023 U	--	0.023 U	0.024 U
Aroclor 1248	SW8082A	0.024 U	0.024 U	0.023 U	--	0.023 U	0.024 U
Aroclor 1254	SW8082A	0.024 U	0.024 U	0.023 U	--	0.023 U	0.024 U
Aroclor 1260	SW8082A	0.0812	0.356	0.0061 J	--	3.34	1.58
Total PCB Aroclors (U = 0 max limit)		0.0812	0.356	0.0061 J	--	3.34	1.58

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-215-39-E-230515-01-1.5 5/15/2023 1–1.5 ft	SE-215-39-E-230515-02-2.27 5/15/2023 2–2.27 ft	SE-215-39-E-230515-1.5-02 5/15/2023 1.5–2 ft	SE-215-39-W-230515-0.5-01 5/15/2023 0.5–1 ft	SE-215-39-W-230515-00-0.5 5/15/2023 0–0.5 ft	SE-215-39-W-230515-01-1.36 5/15/2023 1–1.36 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0619 J	0.069 J	0.0744	0.988	0.151	0.419
Total solids	SM2540G	81	86.8	83.3	74.8	76.8	80.2
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.024 U	0.022 U	0.023 U	0.027 U	0.025 U	0.022 U
Aroclor 1221	SW8082A	0.024 U	0.022 U	0.023 U	0.027 U	0.025 U	0.022 U
Aroclor 1232	SW8082A	0.024 U	0.022 U	0.023 U	0.027 U	0.025 U	0.022 U
Aroclor 1242	SW8082A	0.024 U	0.022 U	0.023 U	0.027 U	0.025 U	0.022 U
Aroclor 1248	SW8082A	0.024 U	0.022 U	0.023 U	0.027 U	0.025 U	0.022 U
Aroclor 1254	SW8082A	0.024 U	0.022 U	0.023 U	109	0.025 U	0.022 U
Aroclor 1260	SW8082A	0.0332	0.0077 J	0.122	38.8	1.65	2.34
Total PCB Aroclors (U = 0 max limit)		0.0332	0.0077 J	0.122	148	1.65	2.34

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-217-93-C-230515-0.5-01 5/15/2023 0.5–1 ft	SE-217-93-C-230515-00-0.5 5/15/2023 0–0.5 ft	SE-217-93-C-230515-01-1.5 5/15/2023 1–1.5 ft	SE-217-93-C-230515-1.5-1.74 5/15/2023 1.5–1.74 ft	SE-217-93-C-BD0001 5/15/2023 0–0.5 ft	SE-217-93-C-G-230515-00-1.74 5/15/2023 0–1.74 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	24.8
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.271	0.594 J	0.52 J	2.28 J	0.227 J	--
Total solids	SM2540G	85.4	75.4	79.6	77.7	77.6	--
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	4
Percent passing (hydrometer 1)	D422	--	--	--	--	--	2.3
Percent passing (hydrometer 2)	D422	--	--	--	--	--	2.3
Percent passing (hydrometer 3)	D422	--	--	--	--	--	0.8
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	3.2
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	87
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	96
Percent passing 50-micron sieve	D422	--	--	--	--	--	8.6
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	2.7
Percent passing 8.0 micron	D422	--	--	--	--	--	91.2
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	59
Percent retained 30-micron sieve	D422	--	--	--	--	--	25.1
Sand	D422	--	--	--	--	--	93.3
Silt	D422	--	--	--	--	--	2.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.026 U	0.024 U	0.024 U	0.026 U	--
Aroclor 1221	SW8082A	0.023 U	0.026 U	0.024 U	0.024 U	0.026 U	--
Aroclor 1232	SW8082A	0.023 U	0.026 U	0.024 U	0.024 U	0.026 U	--
Aroclor 1242	SW8082A	0.023 U	0.026 U	0.024 U	0.024 U	0.026 U	--
Aroclor 1248	SW8082A	0.023 U	0.026 U	0.024 U	0.024 U	0.026 U	--
Aroclor 1254	SW8082A	0.023 U	0.026 U	0.024 U	0.024 U	0.026 U	--
Aroclor 1260	SW8082A	92.7	1.4	1.27	1.65	1.74 J	--
Total PCB Aroclors (U = 0 max limit)		92.7	1.4	1.27	1.65	1.74 J	--

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-217-93-E-230515-0.5-01 5/15/2023 0.5–1 ft	SE-217-93-E-230515-00-0.5 5/15/2023 0–0.5 ft	SE-217-93-E-230515-01-1.5 5/15/2023 1–1.5 ft	SE-217-93-E-230515-1.5-1.99 5/15/2023 1.5–1.99 ft	SE-217-93-W-230516-0.5-01 5/16/2023 0.5–1 ft	SE-217-93-W-230516-00-0.5 5/16/2023 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.117 J	1.3 J	0.232 J	0.132 J	0.0545 J	0.0539 J
Total solids	SM2540G	74.8	91.8	70.5	76.1	86.1	82.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.022 U	0.028 U	0.026 U	0.023 U	0.022 U
Aroclor 1221	SW8082A	0.027 U	0.022 U	0.028 U	0.026 U	0.023 U	0.022 U
Aroclor 1232	SW8082A	0.027 U	0.022 U	0.028 U	0.026 U	0.023 U	0.022 U
Aroclor 1242	SW8082A	0.027 U	0.022 U	0.028 U	0.026 U	0.023 U	0.022 U
Aroclor 1248	SW8082A	0.027 U	0.022 U	0.028 U	0.026 U	0.023 U	0.022 U
Aroclor 1254	SW8082A	0.027 U	128	0.028 U	0.026 U	0.023 U	0.022 U
Aroclor 1260	SW8082A	3.83	182	1.91	3.8	0.023 U	0.022 U
Total PCB Aroclors (U = 0 max limit)		3.83	310	1.91	3.8	0.0050 U	0.0049 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-217-93-W-230516-01-1.5 5/16/2023 1–1.5 ft	SE-217-93-W-230516-1.5-1.96 5/16/2023 1.5–1.96 ft	SE-220-47-C-230516-0.5-01 5/16/2023 0.5–1 ft	SE-220-47-C-230516-00-0.5 5/16/2023 0–0.5 ft	SE-220-47-C-230516-01-1.5 5/16/2023 1–1.5 ft	SE-220-47-C-230516-1.5-1.77 5/16/2023 1.5–1.77 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0631 J	0.0597 J	1.94 J	0.523 J	0.328 J	0.097 J
Total solids	SM2540G	77.9	83.9	78	83.7	80.7	80.4
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.022 U	0.024 U	0.023 U	0.023 U	0.023 U
Aroclor 1221	SW8082A	0.025 U	0.022 U	0.024 U	0.023 U	0.023 U	0.023 U
Aroclor 1232	SW8082A	0.025 U	0.022 U	0.024 U	0.023 U	0.023 U	0.023 U
Aroclor 1242	SW8082A	0.025 U	0.022 U	0.024 U	0.023 U	0.023 U	0.023 U
Aroclor 1248	SW8082A	0.025 U	0.022 U	0.024 U	0.023 U	0.023 U	0.023 U
Aroclor 1254	SW8082A	0.025 U	0.022 U	0.024 U	0.023 U	0.023 U	0.023 U
Aroclor 1260	SW8082A	0.025 U	0.022 U	1.92	1.66	3.64	0.53
Total PCB Aroclors (U = 0 max limit)		0.0055 U	0.0049 U	1.92	1.66	3.64	0.53

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-220-47-C-G-230516-00-1.77 5/16/2023 0–1.77 ft	SE-220-47-E-230516-0.5-01 5/16/2023 0.5–1 ft	SE-220-47-E-230516-00-0.5 5/16/2023 0–0.5 ft	SE-220-47-E-230516-01-1.5 5/16/2023 1–1.5 ft	SE-220-47-E-230516-1.5-1.68 5/16/2023 1.5–1.68 ft	SE-220-47-E-BD0001 5/16/2023 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	30.3	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	0.167 J	0.185 J	6.52 J	13.7 J	0.176 J
Total solids	SM2540G	--	78.3	73.1	53.4	23.9	73.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	5.7	--	--	--	--	--
Percent passing (hydrometer 1)	D422	2.6	--	--	--	--	--
Percent passing (hydrometer 2)	D422	2	--	--	--	--	--
Percent passing (hydrometer 3)	D422	0.86	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	97.4	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	3.7	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	85.8	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	94.3	--	--	--	--	--
Percent passing 50-micron sieve	D422	7.6	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	2.7	--	--	--	--	--
Percent passing 8.0 micron	D422	89.2	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	72.7	--	--	--	--	--
Percent retained 30-micron sieve	D422	35.5	--	--	--	--	--
Sand	D422	91.6	--	--	--	--	--
Silt	D422	2.7	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	0.024 U	0.027 U	0.035 U	0.079 U	0.025 U
Aroclor 1221	SW8082A	--	0.024 U	0.027 U	0.035 U	0.079 U	0.025 U
Aroclor 1232	SW8082A	--	0.024 U	0.027 U	0.035 U	0.079 U	0.025 U
Aroclor 1242	SW8082A	--	0.024 U	0.027 U	0.035 U	0.079 U	0.025 U
Aroclor 1248	SW8082A	--	0.024 U	0.027 U	0.035 U	0.079 U	0.025 U
Aroclor 1254	SW8082A	--	0.024 U	0.027 U	0.035 U	0.079 U	0.025 U
Aroclor 1260	SW8082A	--	1.55	1.29 J	61.4	29.6	0.698 J
Total PCB Aroclors (U = 0 max limit)		--	1.55	1.29 J	61.4	29.6	0.698 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-220-47-W-230516-0.5-01 5/16/2023 0.5–1 ft	SE-220-47-W-230516-00-0.5 5/16/2023 0–0.5 ft	SE-220-47-W-230516-01-1.5 5/16/2023 1–1.5 ft	SE-223-00-C-230516-0.5-01 5/16/2023 0.5–1 ft	SE-223-00-C-230516-00-0.5 5/16/2023 0–0.5 ft	SE-223-00-C-230516-01-1.43 5/16/2023 1–1.43 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	2.81 J	1.46 J	3.71 J	0.359 J	1.92 J	8.52 J
Total solids	SM2540G	60	69.8	49.3	76.3	62.6	72
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.033 U	0.027 U	0.036 U	0.026 U	0.031 U	0.026 U
Aroclor 1221	SW8082A	0.033 U	0.027 U	0.036 U	0.026 U	0.031 U	0.026 U
Aroclor 1232	SW8082A	0.033 U	0.027 U	0.036 U	0.026 U	0.031 U	0.026 U
Aroclor 1242	SW8082A	0.033 U	0.027 U	0.036 U	0.026 U	0.031 U	0.026 U
Aroclor 1248	SW8082A	0.033 U	0.027 U	0.036 U	0.026 U	0.031 U	0.026 U
Aroclor 1254	SW8082A	0.07	0.027 U	0.036 U	0.026 U	0.031 U	0.65
Aroclor 1260	SW8082A	0.205	5.62	0.036 U	0.87	3.7	1.35
Total PCB Aroclors (U = 0 max limit)		0.275	5.62	0.0079 U	0.87	3.7	2

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-223-00-E-230516-0.5-01 5/16/2023 0.5–1 ft	SE-223-00-E-230516-00-0.5 5/16/2023 0–0.5 ft	SE-223-00-E-230516-01-1.5 5/16/2023 1–1.5 ft	SE-223-00-E-230516-1.5-02 5/16/2023 1.5–2 ft	SE-223-00-E-G-230516-00-2.1 5/16/2023 0–2.1 ft	SE-223-00-W-230516-0.5-01 5/16/2023 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	18.1	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.186 J	0.199 J	0.131 J	0.152 J	--	0.0784 J
Total solids	SM2540G	78.6	75.3	76.9	74.9	--	78.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	100	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	5.7	--
Percent passing (hydrometer 1)	D422	--	--	--	--	2.5	--
Percent passing (hydrometer 2)	D422	--	--	--	--	2.5	--
Percent passing (hydrometer 3)	D422	--	--	--	--	0.92	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	97.4	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	3.7	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	85.8	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	94.3	--
Percent passing 50-micron sieve	D422	--	--	--	--	7.6	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	2.7	--
Percent passing 8.0 micron	D422	--	--	--	--	89.2	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	72.7	--
Percent retained 30-micron sieve	D422	--	--	--	--	35.5	--
Sand	D422	--	--	--	--	91.6	--
Silt	D422	--	--	--	--	2.7	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.024 U	0.025 U	0.025 U	0.025 U	--	0.023 U
Aroclor 1221	SW8082A	0.024 U	0.025 U	0.025 U	0.025 U	--	0.023 U
Aroclor 1232	SW8082A	0.024 U	0.025 U	0.025 U	0.025 U	--	0.023 U
Aroclor 1242	SW8082A	0.024 U	0.025 U	0.025 U	0.025 U	--	0.023 U
Aroclor 1248	SW8082A	0.024 U	0.025 U	0.025 U	0.025 U	--	0.023 U
Aroclor 1254	SW8082A	0.024 U	0.025 U	0.025 U	0.025 U	--	0.023 U
Aroclor 1260	SW8082A	3.56	1.05	3.3	16.1	--	0.039
Total PCB Aroclors (U = 0 max limit)		3.56	1.05	3.3	16.1	--	0.039

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-223-00-W-230516-00-0.5 5/16/2023 0–0.5 ft	SE-223-00-W-230516-01-1.47 5/16/2023 1–1.47 ft	SE-225-70-C-230516-0.5-01 5/16/2023 0.5–1 ft	SE-225-70-C-230516-00-0.5 5/16/2023 0–0.5 ft	SE-225-70-C-230516-01-1.5 5/16/2023 1–1.5 ft	SE-225-70-C-G-230516-00-1.5 5/16/2023 0–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	17
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.207 J	0.151 J	2.09 J	0.69 J	0.129 J	--
Total solids	SM2540G	79.5	82	84	79.7	78.2	--
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	8.1
Percent passing (hydrometer 1)	D422	--	--	--	--	--	1.3 J
Percent passing (hydrometer 2)	D422	--	--	--	--	--	0.82
Percent passing (hydrometer 3)	D422	--	--	--	--	--	0.82
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	1.6
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	82.5
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	91.9
Percent passing 50-micron sieve	D422	--	--	--	--	--	2.5
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	1.3
Percent passing 8.0 micron	D422	--	--	--	--	--	88
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	51.1
Percent retained 30-micron sieve	D422	--	--	--	--	--	10.9
Sand	D422	--	--	--	--	--	90.6
Silt	D422	--	--	--	--	--	1.3
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.022 U	0.023 U	0.025 U	0.023 U	--
Aroclor 1221	SW8082A	0.023 U	0.022 U	0.023 U	0.025 U	0.023 U	--
Aroclor 1232	SW8082A	0.023 U	0.022 U	0.023 U	0.025 U	0.023 U	--
Aroclor 1242	SW8082A	0.023 U	0.022 U	0.023 U	0.025 U	0.023 U	--
Aroclor 1248	SW8082A	0.023 U	0.022 U	0.023 U	0.025 U	0.023 U	--
Aroclor 1254	SW8082A	0.023 U	0.022 U	0.023 U	0.025 U	0.023 U	--
Aroclor 1260	SW8082A	0.0095 J	0.022 U	0.865	19.1	1.05	--
Total PCB Aroclors (U = 0 max limit)		0.0095 J	0.0049 U	0.865	19.1	1.05	--

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-225-70-E-230516-0.5-01 5/16/2023 0.5–1 ft	SE-225-70-E-230516-00-0.5 5/16/2023 0–0.5 ft	SE-225-70-E-230516-01-1.3 5/16/2023 1–1.3 ft	SE-225-70-W-230516-0.5-01 5/16/2023 0.5–1 ft	SE-225-70-W-230516-00-0.5 5/16/2023 0–0.5 ft	SE-225-70-W-230516-01-1.5 5/16/2023 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.265 J	0.148	0.231	0.517 J	0.331	0.685
Total solids	SM2540G	81.8	90.8	80.8	83.3	78.3	83.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.022 U	0.023 U	0.022 U	0.025 U	0.022 U
Aroclor 1221	SW8082A	0.023 U	0.022 U	0.023 U	0.022 U	0.025 U	0.022 U
Aroclor 1232	SW8082A	0.023 U	0.022 U	0.023 U	0.022 U	0.025 U	0.022 U
Aroclor 1242	SW8082A	0.023 U	0.022 U	0.023 U	0.022 U	0.025 U	0.022 U
Aroclor 1248	SW8082A	0.023 U	0.022 U	0.023 U	0.022 U	0.025 U	0.022 U
Aroclor 1254	SW8082A	0.023 U	0.022 U	0.023 U	0.022 U	0.025 U	0.022 U
Aroclor 1260	SW8082A	0.701	0.477	1.48	0.307 J	0.575	8.34
Total PCB Aroclors (U = 0 max limit)		0.701	0.477	1.48	0.307 J	0.575	8.34

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-225-70-W-230516-1.5-1.62 5/16/2023 1.5–1.62 ft	SE-225-70-W-BD0001 5/16/2023 0.5–1 ft	SE-228-20-C-230517-0.5-01 5/17/2023 0.5–1 ft	SE-228-20-C-230517-00-0.5 5/17/2023 0–0.5 ft	SE-228-20-C-230517-01-1.45 5/17/2023 1–1.45 ft	SE-228-20-C-G-230517-00-1.45 5/17/2023 0–1.45 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	25.3
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.137	0.289 J	0.258	0.649	0.129	--
Total solids	SM2540G	85.7	82.2	79.1	78.1	76.8	--
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	0.98
Percent passing (hydrometer 2)	D422	--	--	--	--	--	0.98
Percent passing (hydrometer 3)	D422	--	--	--	--	--	0.98
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	1.7
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	96.1
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	--	--	11.4
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	1.2
Percent passing 8.0 micron	D422	--	--	--	--	--	97.9
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	88.5
Percent retained 30-micron sieve	D422	--	--	--	--	--	60.7
Sand	D422	--	--	--	--	--	98.9
Silt	D422	--	--	--	--	--	1.2
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.024 U	0.025 U	0.026 U	0.025 U	--
Aroclor 1221	SW8082A	0.023 U	0.024 U	0.025 U	0.026 U	0.025 U	--
Aroclor 1232	SW8082A	0.023 U	0.024 U	0.025 U	0.026 U	0.025 U	--
Aroclor 1242	SW8082A	0.023 U	0.024 U	0.025 U	0.026 U	0.025 U	--
Aroclor 1248	SW8082A	0.023 U	0.024 U	0.025 U	0.026 U	0.025 U	--
Aroclor 1254	SW8082A	0.023 U	0.024 U	0.025 U	0.026 U	0.025 U	--
Aroclor 1260	SW8082A	1.88	1.7 J	2.71	6.2	0.725	--
Total PCB Aroclors (U = 0 max limit)		1.88	1.7 J	2.71	6.2	0.725	--

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-228-20-E-230517-0.5-01 5/17/2023 0.5–1 ft	SE-228-20-E-230517-00-0.5 5/17/2023 0–0.5 ft	SE-228-20-E-230517-01-1.5 5/17/2023 1–1.5 ft	SE-228-20-E-230517-1.5-1.72 5/17/2023 1.5–1.72 ft	SE-228-20-W-230517-0.5-01 5/17/2023 0.5–1 ft	SE-228-20-W-230517-00-0.5 5/17/2023 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.118	0.29	0.0485	0.233	0.345	0.199
Total solids	SM2540G	79.4	77.1	81	78.4	73	79.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.025 U	0.022 U	0.025 U	0.027 U	0.024 U
Aroclor 1221	SW8082A	0.023 U	0.025 U	0.022 U	0.025 U	0.027 U	0.024 U
Aroclor 1232	SW8082A	0.023 U	0.025 U	0.022 U	0.025 U	0.027 U	0.024 U
Aroclor 1242	SW8082A	0.023 U	0.025 U	0.022 U	0.025 U	0.027 U	0.024 U
Aroclor 1248	SW8082A	0.023 U	0.025 U	0.022 U	0.025 U	0.027 U	0.024 U
Aroclor 1254	SW8082A	0.023 U	0.025 U	0.022 U	0.025 U	0.027 U	0.024 U
Aroclor 1260	SW8082A	0.0139 J	23.3	0.022 U	0.025 U	22.6	9.86
Total PCB Aroclors (U = 0 max limit)		0.0139 J	23.3	0.0048 U	0.0055 U	22.6	9.86

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-228-20-W-230517-01-1.5 5/17/2023 1–1.5 ft	SE-228-20-W-230517-1.5-1.92 5/17/2023 1.5–1.92 ft	SE-230-73-C-230517-0.5-01 5/17/2023 0.5–1 ft	SE-230-73-C-230517-00-0.5 5/17/2023 0–0.5 ft	SE-230-73-C-230517-01-1.5 5/17/2023 1–1.5 ft	SE-230-73-C-230517-1.5-1.7 5/17/2023 1.5–1.7 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.897	1.34	0.458	2.39	0.357	0.372
Total solids	SM2540G	80.1	73.4	75.5	74.6	78.7	83.8
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.026 U	0.023 U	0.026 U	0.022 U	0.023 U
Aroclor 1221	SW8082A	0.023 U	0.026 U	0.023 U	0.026 U	0.022 U	0.023 U
Aroclor 1232	SW8082A	0.023 U	0.026 U	0.023 U	0.026 U	0.022 U	0.023 U
Aroclor 1242	SW8082A	0.023 U	0.026 U	0.023 U	0.026 U	0.022 U	0.023 U
Aroclor 1248	SW8082A	0.023 U	0.026 U	0.023 U	0.026 U	0.022 U	0.023 U
Aroclor 1254	SW8082A	0.023 U	0.026 U	0.023 U	0.026 U	0.022 U	0.023 U
Aroclor 1260	SW8082A	11	4.26	21.5	224	12.3	1.58
Total PCB Aroclors (U = 0 max limit)		11	4.26	21.5	224	12.3	1.58

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-230-73-C-G-230517-00-1.7 5/17/2023 0–1.7 ft	SE-230-73-E-230517-0.5-01 5/17/2023 0.5–1 ft	SE-230-73-E-230517-00-0.5 5/17/2023 0–0.5 ft	SE-230-73-E-230517-01-1.5 5/17/2023 1–1.5 ft	SE-230-73-W-230517-0.5-01 5/17/2023 0.5–1 ft	SE-230-73-W-230517-00-0.5 5/17/2023 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	19.4	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	0.0497	0.0707	0.0969	0.16	0.247 J
Total solids	SM2540G	--	81.6	82.2	68.9	79.5	77.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	4.5	--	--	--	--	--
Percent passing (hydrometer 1)	D422	0.91	--	--	--	--	--
Percent passing (hydrometer 2)	D422	0.91	--	--	--	--	--
Percent passing (hydrometer 3)	D422	0.91	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	3.6	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	89.4	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	95.5	--	--	--	--	--
Percent passing 50-micron sieve	D422	4.7	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	3.5	--	--	--	--	--
Percent passing 8.0 micron	D422	93.3	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	66.6	--	--	--	--	--
Percent retained 30-micron sieve	D422	24.6	--	--	--	--	--
Sand	D422	92	--	--	--	--	--
Silt	D422	3.5	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	0.024 U	0.024 U	0.028 U	0.022 U	0.026 U
Aroclor 1221	SW8082A	--	0.024 U	0.024 U	0.028 U	0.022 U	0.026 U
Aroclor 1232	SW8082A	--	0.024 U	0.024 U	0.028 U	0.022 U	0.026 U
Aroclor 1242	SW8082A	--	0.024 U	0.024 U	0.028 U	0.022 U	0.026 U
Aroclor 1248	SW8082A	--	0.024 U	0.024 U	0.028 U	0.022 U	0.026 U
Aroclor 1254	SW8082A	--	0.024 U	0.024 U	0.028 U	0.022 U	0.026 U
Aroclor 1260	SW8082A	--	0.024 U	0.0434	0.028 U	1.6	8.97 J
Total PCB Aroclors (U = 0 max limit)		--	0.0052 U	0.0434	0.0062 U	1.6	8.97 J

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-230-73-W-230517-01-1.5 5/17/2023 1–1.5 ft	SE-230-73-W-230517-1.5-1.69 5/17/2023 1.5–1.69 ft	SE-230-73-W-BD0001 5/17/2023 0–0.5 ft	SE-233-25-C-230517-0.5-01 5/17/2023 0.5–1 ft	SE-233-25-C-230517-00-0.5 5/17/2023 0–0.5 ft	SE-233-25-C-230517-01-1.5 5/17/2023 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.12 J	0.11 J	0.122 J	1.46 J	0.176 J	0.0635 J
Total solids	SM2540G	73.7	76	75	84.9	78.1	78.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.52 U	0.026 U	0.025 U	0.022 U	0.024 U	0.023 U
Aroclor 1221	SW8082A	0.52 U	0.026 U	0.025 U	0.022 U	0.024 U	0.023 U
Aroclor 1232	SW8082A	0.52 U	0.026 U	0.025 U	0.022 U	0.024 U	0.023 U
Aroclor 1242	SW8082A	0.52 U	0.026 U	0.025 U	0.022 U	0.024 U	0.023 U
Aroclor 1248	SW8082A	0.52 U	0.026 U	0.025 U	0.022 U	0.024 U	0.023 U
Aroclor 1254	SW8082A	0.52 U	0.026 U	0.025 U	0.022 U	0.024 U	0.023 U
Aroclor 1260	SW8082A	30.7	6.89	17.7 J	0.743	2.5	0.023
Total PCB Aroclors (U = 0 max limit)		30.7	6.89	17.7 J	0.743	2.5	0.023

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-233-25-E-230517-0.5-01 5/17/2023 0.5–1 ft	SE-233-25-E-230517-00-0.5 5/17/2023 0–0.5 ft	SE-233-25-E-230517-01-1.5 5/17/2023 1–1.5 ft	SE-233-25-E-230517-1.5-1.65 5/17/2023 1.5–1.65 ft	SE-233-25-W-230517-0.5-01 5/17/2023 0.5–1 ft	SE-233-25-W-230517-00-0.5 5/17/2023 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.522 J	0.207 J	0.636 J	0.471 J	0.132 J	0.12 J
Total solids	SM2540G	73.6	81.7	79.6	79	69.4	77
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.027 U	0.024 U	0.024 U	0.025 U	0.029 U	0.026 U
Aroclor 1221	SW8082A	0.027 U	0.024 U	0.024 U	0.025 U	0.029 U	0.026 U
Aroclor 1232	SW8082A	0.027 U	0.024 U	0.024 U	0.025 U	0.029 U	0.026 U
Aroclor 1242	SW8082A	0.027 U	0.024 U	0.024 U	0.025 U	0.029 U	0.026 U
Aroclor 1248	SW8082A	0.027 U	0.024 U	0.024 U	0.025 U	0.029 U	0.026 U
Aroclor 1254	SW8082A	0.027 U	0.024 U	0.024 U	0.025 U	0.029 U	0.026 U
Aroclor 1260	SW8082A	0.027 U	2.34	0.0098 J	0.025 U	15.1	12.8
Total PCB Aroclors (U = 0 max limit)		0.0060 U	2.34	0.0098 J	0.0054 U	15.1	12.8

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-233-25-W-230517-01-1.5 5/17/2023 1–1.5 ft	SE-233-25-W-230517-1.5-1.88 5/17/2023 1.5–1.88 ft	SE-233-25-W-G-230517-00-1.88 5/17/2023 0–1.88 ft	SE-235-82-C-230518-0.5-01 5/18/2023 0.5–1 ft	SE-235-82-C-230518-00-0.5 5/18/2023 0–0.5 ft	SE-235-82-C-230518-01-1.31 5/18/2023 1–1.31 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	34.1	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.397 J	1.79 J	--	0.326	0.495 J	0.23
Total solids	SM2540G	76.7	83.6	--	77.8	71.9	75.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	81	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	0.81	--	--	--
Percent passing (hydrometer 1)	D422	--	--	0.97	--	--	--
Percent passing (hydrometer 2)	D422	--	--	0.97	--	--	--
Percent passing (hydrometer 3)	D422	--	--	0.97	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	1.4	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	96.3	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	99.2	--	--	--
Percent passing 50-micron sieve	D422	--	--	7.6	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	1.1	--	--	--
Percent passing 8.0 micron	D422	--	--	98	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	90.3	--	--	--
Percent retained 30-micron sieve	D422	--	--	53.9	--	--	--
Sand	D422	--	--	98.1	--	--	--
Silt	D422	--	--	1.1	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.023 U	0.023 U	--	0.023 U	0.024 U	0.022 U
Aroclor 1221	SW8082A	0.023 U	0.023 U	--	0.023 U	0.024 U	0.022 U
Aroclor 1232	SW8082A	0.023 U	0.023 U	--	0.023 U	0.024 U	0.022 U
Aroclor 1242	SW8082A	0.023 U	0.023 U	--	0.023 U	0.024 U	0.022 U
Aroclor 1248	SW8082A	0.023 U	0.023 U	--	0.023 U	0.024 U	0.022 U
Aroclor 1254	SW8082A	0.023 U	0.023 U	--	0.023 U	0.024 U	0.022 U
Aroclor 1260	SW8082A	0.485	0.539	--	4.26	1.81	15.3
Total PCB Aroclors (U = 0 max limit)		0.485	0.539	--	4.26	1.81	15.3

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-235-82-C-BD0001 5/18/2023 0–0.5 ft	SE-235-82-E-230518-0.5-01 5/18/2023 0.5–1 ft	SE-235-82-E-230518-00-0.5 5/18/2023 0–0.5 ft	SE-235-82-W-230518-0.5-01 5/18/2023 0.5–1 ft	SE-235-82-W-230518-00-0.5 5/18/2023 0–0.5 ft	SE-235-82-W-230518-01-1.5 5/18/2023 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.192 J	0.251	0.139	0.41	0.62	0.584
Total solids	SM2540G	74.4	74.5	95	79.2	72.8	71.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.026 U	0.025 U	0.018 U	0.025 U	0.026 U	0.025 U
Aroclor 1221	SW8082A	0.026 U	0.025 U	0.018 U	0.025 U	0.026 U	0.025 U
Aroclor 1232	SW8082A	0.026 U	0.025 U	0.018 U	0.025 U	0.026 U	0.025 U
Aroclor 1242	SW8082A	0.026 U	0.025 U	0.018 U	0.025 U	0.026 U	0.025 U
Aroclor 1248	SW8082A	0.026 U	0.025 U	0.018 U	0.025 U	0.026 U	0.025 U
Aroclor 1254	SW8082A	0.026 U	0.025 U	0.018 U	0.025 U	0.026 U	0.025 U
Aroclor 1260	SW8082A	1.35	3.97	6.34	1.03	1.99	15.9
Total PCB Aroclors (U = 0 max limit)		1.35	3.97	6.34	1.03	1.99	15.9

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-235-82-W-230518-1.5-1.93 5/18/2023 1.5–1.93 ft	SE-235-82-W-G-230518-00-1.93 5/18/2023 0–1.93 ft	SE-238-37-C-230518-0.5-01 5/18/2023 0.5–1 ft	SE-238-37-C-230518-00-0.5 5/18/2023 0–0.5 ft	SE-238-37-C-230518-01-1.5 5/18/2023 1–1.5 ft	SE-238-37-C-230518-1.5-1.63 5/18/2023 1.5–1.63 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	17.5	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.389	--	0.813	0.126	0.356	11.2
Total solids	SM2540G	74.5	--	77.9	77.7	76.5	47.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	4.7	--	--	--	--
Percent passing (hydrometer 2)	D422	--	0.94	--	--	--	--
Percent passing (hydrometer 3)	D422	--	0.94	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	8.7	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	100	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	--
Percent passing 50-micron sieve	D422	--	26.5	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	4.9	--	--	--	--
Percent passing 8.0 micron	D422	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	98.7	--	--	--	--
Percent retained 30-micron sieve	D422	--	83.1	--	--	--	--
Sand	D422	--	95.2	--	--	--	--
Silt	D422	--	4.9	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.024 U	--	0.023 U	0.026 U	0.023 U	0.039 U
Aroclor 1221	SW8082A	0.024 U	--	0.023 U	0.026 U	0.023 U	0.039 U
Aroclor 1232	SW8082A	0.024 U	--	0.023 U	0.026 U	0.023 U	0.039 U
Aroclor 1242	SW8082A	0.024 U	--	0.023 U	0.026 U	0.023 U	0.039 U
Aroclor 1248	SW8082A	0.024 U	--	0.023 U	0.026 U	0.023 U	0.039 U
Aroclor 1254	SW8082A	0.024 U	--	0.023 U	0.026 U	0.023 U	0.683
Aroclor 1260	SW8082A	14.6	--	11.6	2.04	1.27	1.99
Total PCB Aroclors (U = 0 max limit)		14.6	--	11.6	2.04	1.27	2.67

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-238-37-C-G-230518-00-1.63 5/18/2023 0–1.63 ft	SE-238-37-E-230518-0.5-01 5/18/2023 0.5–1 ft	SE-238-37-E-230518-00-0.5 5/18/2023 0–0.5 ft	SE-238-37-E-230518-01-1.1 5/18/2023 1–1.1 ft	SE-238-37-W-230518-0.5-01 5/18/2023 0.5–1 ft	SE-238-37-W-230518-00-0.5 5/18/2023 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	32.5	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	--	0.606	1.19	0.0954	2.38	1.33
Total solids	SM2540G	--	68.6	41.9	74.1	66.3	78.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	8.4	--	--	--	--	--
Percent passing (hydrometer 1)	D422	0.82	--	--	--	--	--
Percent passing (hydrometer 2)	D422	0.82	--	--	--	--	--
Percent passing (hydrometer 3)	D422	0.82	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	95.2	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	96.6	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	98.7	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	1.7	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	84.9	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	99.1	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	91.6	--	--	--	--	--
Percent passing 50-micron sieve	D422	2.9	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	1.5	--	--	--	--	--
Percent passing 8.0 micron	D422	89.3	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	59.8	--	--	--	--	--
Percent retained 30-micron sieve	D422	20.4	--	--	--	--	--
Sand	D422	90	--	--	--	--	--
Silt	D422	1.5	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	--	0.027 U	0.044 U	0.023 U	0.030 U	0.024 U
Aroclor 1221	SW8082A	--	0.027 U	0.044 U	0.023 U	0.030 U	0.024 U
Aroclor 1232	SW8082A	--	0.027 U	0.044 U	0.023 U	0.030 U	0.024 U
Aroclor 1242	SW8082A	--	0.027 U	0.044 U	0.023 U	0.030 U	0.024 U
Aroclor 1248	SW8082A	--	0.027 U	0.044 U	0.023 U	0.030 U	0.024 U
Aroclor 1254	SW8082A	--	0.027 U	0.044 U	0.023 U	0.030 U	0.024 U
Aroclor 1260	SW8082A	--	1.42	3.44	11.4	1.9	3.4
Total PCB Aroclors (U = 0 max limit)		--	1.42	3.44	11.4	1.9	3.4

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-238-37-W-230518-01-1.5 5/18/2023 1–1.5 ft	SE-238-37-W-230518-02-2.5 5/18/2023 2–2.5 ft	SE-238-37-W-230518-1.5-02 5/18/2023 1.5–2 ft	SE-238-37-W-230518-2.5-2.61 5/18/2023 2.5–2.61 ft	SE-240-80-C-230518-0.5-01 5/18/2023 0.5–1 ft	SE-240-80-C-230518-00-0.5 5/18/2023 0–0.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.28	1.14	0.941	1.78	0.281	0.232
Total solids	SM2540G	72.5	73	70.3	61.9	71.9	78.6
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.027 U	0.028 U	0.032 U	0.027 U	0.025 U
Aroclor 1221	SW8082A	0.025 U	0.027 U	0.028 U	0.032 U	0.027 U	0.025 U
Aroclor 1232	SW8082A	0.025 U	0.027 U	0.028 U	0.032 U	0.027 U	0.025 U
Aroclor 1242	SW8082A	0.025 U	0.027 U	0.028 U	0.032 U	0.027 U	0.025 U
Aroclor 1248	SW8082A	0.025 U	0.027 U	0.028 U	0.032 U	0.027 U	0.025 U
Aroclor 1254	SW8082A	0.025 U	0.027 U	0.028 U	0.032 U	0.027 U	0.025 U
Aroclor 1260	SW8082A	2.07	8.77	1.44	1.42	1.22 J	0.025 U
Total PCB Aroclors (U = 0 max limit)		2.07	8.77	1.44	1.42	1.22 J	0.021 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-240-80-C-230518-01-1.5 5/18/2023 1–1.5 ft	SE-240-80-C-230518-1.5-1.91 5/18/2023 1.5–1.91 ft	SE-240-80-C-BD0001 5/18/2023 0.5–1 ft	SE-240-80-E-230518-0.5-01 5/18/2023 0.5–1 ft	SE-240-80-E-230518-00-0.5 5/18/2023 0–0.5 ft	SE-240-80-E-230518-01-1.5 5/18/2023 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	37.5	19.5	0.374	0.122	0.452	0.0536
Total solids	SM2540G	11.2	16.9	67.5	80.7	85.2	78.9
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.17 U	0.11 U	0.029 U	0.024 U	0.023 U	0.024 U
Aroclor 1221	SW8082A	0.17 U	0.11 U	0.029 U	0.024 U	0.023 U	0.024 U
Aroclor 1232	SW8082A	0.17 U	0.11 U	0.029 U	0.024 U	0.023 U	0.024 U
Aroclor 1242	SW8082A	0.17 U	0.11 U	0.029 U	0.024 U	0.023 U	0.024 U
Aroclor 1248	SW8082A	0.17 U	0.11 U	0.029 U	0.024 U	0.023 U	0.024 U
Aroclor 1254	SW8082A	0.17 U	0.11 U	0.029 U	0.024 U	0.023 U	0.024 U
Aroclor 1260	SW8082A	0.187	0.0573 J	0.271 J	0.0827	1.61	0.024 U
Total PCB Aroclors (U = 0 max limit)		0.187	0.0573 J	0.271 J	0.0827	1.61	0.020 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-240-80-E-230518-1.5-1.81 5/18/2023 1.5–1.81 ft	SE-240-80-W-230518-0.5-01 5/18/2023 0.5–1 ft	SE-240-80-W-230518-00-0.5 5/18/2023 0–0.5 ft	SE-240-80-W-230518-01-1.5 5/18/2023 1–1.5 ft	SE-240-80-W-230518-1.5-1.92 5/18/2023 1.5–1.92 ft	SE-240-80-W-G-230518-00-1.92 5/18/2023 0–1.92 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	37.4
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0557	0.597	0.186	0.329	0.0841	--
Total solids	SM2540G	77	81.7	75	78.3	82.9	--
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	11.6
Percent passing (hydrometer 1)	D422	--	--	--	--	--	2.4
Percent passing (hydrometer 2)	D422	--	--	--	--	--	0.79
Percent passing (hydrometer 3)	D422	--	--	--	--	--	0.79
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	92.7
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	96.3
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	98.6
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	3.1
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	82.9
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	98.6
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	88.4
Percent passing 50-micron sieve	D422	--	--	--	--	--	7.1
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	2.4
Percent passing 8.0 micron	D422	--	--	--	--	--	85.4
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	63.8
Percent retained 30-micron sieve	D422	--	--	--	--	--	29.4
Sand	D422	--	--	--	--	--	86
Silt	D422	--	--	--	--	--	2.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.024 U	0.025 U	0.025 U	0.023 U	--
Aroclor 1221	SW8082A	0.025 U	0.024 U	0.025 U	0.025 U	0.023 U	--
Aroclor 1232	SW8082A	0.025 U	0.024 U	0.025 U	0.025 U	0.023 U	--
Aroclor 1242	SW8082A	0.025 U	0.024 U	0.025 U	0.025 U	0.023 U	--
Aroclor 1248	SW8082A	0.025 U	0.024 U	0.025 U	0.025 U	0.023 U	--
Aroclor 1254	SW8082A	0.025 U	0.024 U	0.025 U	0.025 U	0.023 U	--
Aroclor 1260	SW8082A	0.025 U	0.607	0.529	12.4	0.0408	--
Total PCB Aroclors (U = 0 max limit)		0.021 U	0.607	0.529	12.4	0.0408	--

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-243-34-C-230519-0.5-01 5/19/2023 0.5–1 ft	SE-243-34-C-230519-00-0.5 5/19/2023 0–0.5 ft	SE-243-34-C-230519-01-1.27 5/19/2023 1–1.27 ft	SE-243-34-E-230519-0.5-01 5/19/2023 0.5–1 ft	SE-243-34-E-230519-00-0.5 5/19/2023 0–0.5 ft	SE-243-34-E-230519-01-1.5 5/19/2023 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	1.72	1.54	0.876	0.377	0.772	1.26
Total solids	SM2540G	83.6	69.8	88.9	77.9	77.6	78.5
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.024 U	0.026 U	0.022 U	0.025 U	0.025 U	0.024 U
Aroclor 1221	SW8082A	0.024 U	0.026 U	0.022 U	0.025 U	0.025 U	0.024 U
Aroclor 1232	SW8082A	0.024 U	0.026 U	0.022 U	0.025 U	0.025 U	0.024 U
Aroclor 1242	SW8082A	0.024 U	0.026 U	0.022 U	0.025 U	0.025 U	0.024 U
Aroclor 1248	SW8082A	0.024 U	0.026 U	0.022 U	0.025 U	0.025 U	0.024 U
Aroclor 1254	SW8082A	0.024 U	0.026 U	0.022 U	0.025 U	0.025 U	0.024 U
Aroclor 1260	SW8082A	0.42	0.3	0.0669	0.0128 J	2.91	0.024 U
Total PCB Aroclors (U = 0 max limit)		0.42	0.3	0.0669	0.0128 J	2.91	0.020 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-243-34-E-230519-1.5-1.89 5/19/2023 1.5–1.89 ft	SE-243-34-W-230519-0.5-01 5/19/2023 0.5–1 ft	SE-243-34-W-230519-00-0.5 5/19/2023 0–0.5 ft	SE-243-34-W-230519-01-1.5 5/19/2023 1–1.5 ft	SE-243-34-W-G-230519-00-1.58 5/19/2023 0–1.58 ft	SE-246-01-C-230519-0.5-01 5/19/2023 0.5–1 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	13.3	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.36 J	0.316 J	1.14 J	1 J	--	1.9 J
Total solids	SM2540G	80.8	85.4	82.1	74.8	--	77.3
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	5	--
Percent passing (hydrometer 1)	D422	--	--	--	--	0.84	--
Percent passing (hydrometer 2)	D422	--	--	--	--	0.84	--
Percent passing (hydrometer 3)	D422	--	--	--	--	0.84	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	97.4	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	99.1	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	99.5	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	1.8	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	88.3	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	99.5	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	95	--
Percent passing 50-micron sieve	D422	--	--	--	--	5.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	1.5	--
Percent passing 8.0 micron	D422	--	--	--	--	93.5	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	74.1	--
Percent retained 30-micron sieve	D422	--	--	--	--	35.1	--
Sand	D422	--	--	--	--	93.6	--
Silt	D422	--	--	--	--	1.5	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.023 U	0.023 U	0.025 U	--	0.026 U
Aroclor 1221	SW8082A	0.025 U	0.023 U	0.023 U	0.025 U	--	0.026 U
Aroclor 1232	SW8082A	0.025 U	0.023 U	0.023 U	0.025 U	--	0.026 U
Aroclor 1242	SW8082A	0.025 U	0.023 U	0.023 U	0.025 U	--	0.026 U
Aroclor 1248	SW8082A	0.025 U	0.023 U	0.023 U	0.025 U	--	0.026 U
Aroclor 1254	SW8082A	0.025 U	0.023 U	0.023 U	0.025 U	--	0.026 U
Aroclor 1260	SW8082A	0.025 U	9.01	5.08	11.4	--	5.1
Total PCB Aroclors (U = 0 max limit)		0.021 U	9.01	5.08	11.4	--	5.1

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-246-01-C-230519-00-0.5 5/19/2023 0–0.5 ft	SE-246-01-C-230519-01-1.5 5/19/2023 1–1.5 ft	SE-246-01-C-BD0001 5/19/2023 0.5–1 ft	SE-246-01-E-230519-0.5-01 5/19/2023 0.5–1 ft	SE-246-01-E-230519-00-0.5 5/19/2023 0–0.5 ft	SE-246-01-E-230519-01-1.5 5/19/2023 1–1.5 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	--	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	5.67 J	1.23 J	2.29 J	0.496 J	0.362 J	1.46
Total solids	SM2540G	76.7	80.6	72.7	77.1	75.3	62.1
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	--	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.025 U	0.024 U	0.028 U	0.025 U	0.026 U	0.031 U
Aroclor 1221	SW8082A	0.025 U	0.024 U	0.028 U	0.025 U	0.026 U	0.031 U
Aroclor 1232	SW8082A	0.025 U	0.024 U	0.028 U	0.025 U	0.026 U	0.031 U
Aroclor 1242	SW8082A	0.025 U	0.024 U	0.028 U	0.025 U	0.026 U	0.031 U
Aroclor 1248	SW8082A	0.025 U	0.024 U	0.028 U	0.025 U	0.026 U	0.031 U
Aroclor 1254	SW8082A	3.54	0.024 U	0.028 U	0.025 U	0.026 U	0.031 U
Aroclor 1260	SW8082A	6.74	0.253	3.96	12.1	2.35	0.031 U
Total PCB Aroclors (U = 0 max limit)		10.3	0.253	3.96	12.1	2.35	0.026 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-246-01-E-230519-1.5-02 5/19/2023 1.5–2 ft	SE-246-01-E-G-230519-00-2.02 5/19/2023 0–2.02 ft	SE-246-01-W-230519-0.5-01 5/19/2023 0.5–1 ft	SE-246-01-W-230519-00-0.5 5/19/2023 0–0.5 ft	SE-246-01-W-230519-01-1.5 5/19/2023 1–1.5 ft	SE-246-01-W-230519-1.5-1.75 5/19/2023 1.5–1.75 ft
Conventional Parameters (percent)							
Moisture (water) content	D2216	--	30.4	--	--	--	--
Moisture (water) content	SM2540D	--	--	--	--	--	--
Total organic carbon	Lloyd Kahn	0.461	--	0.35	0.0864	0.375	0.0711
Total solids	SM2540G	82.4	--	77.5	75	68.9	79
Conventional Parameters (lb/ft ³)							
Density (bulk)	D2937	--	100	--	--	--	--
Grain Size (percent)							
Gravel	D422	--	3.9	--	--	--	--
Percent passing (hydrometer 1)	D422	--	0.91	--	--	--	--
Percent passing (hydrometer 2)	D422	--	0.91	--	--	--	--
Percent passing (hydrometer 3)	D422	--	0.91	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	96.6	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	97.3	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	97.9	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	5.9	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	93.1	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	98	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	96.1	--	--	--	--
Percent passing 50-micron sieve	D422	--	17.1	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	3.2	--	--	--	--
Percent passing 8.0 micron	D422	--	94.2	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	87.6	--	--	--	--
Percent retained 30-micron sieve	D422	--	66.6	--	--	--	--
Sand	D422	--	92.9	--	--	--	--
Silt	D422	--	3.2	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.022 U	--	0.25 U	0.026 U	0.025 U	0.021 U
Aroclor 1221	SW8082A	0.022 U	--	0.25 U	0.026 U	0.025 U	0.021 U
Aroclor 1232	SW8082A	0.022 U	--	0.25 U	0.026 U	0.025 U	0.021 U
Aroclor 1242	SW8082A	0.022 U	--	0.25 U	0.026 U	0.025 U	0.021 U
Aroclor 1248	SW8082A	0.022 U	--	0.25 U	0.026 U	0.025 U	0.021 U
Aroclor 1254	SW8082A	0.022 U	--	24.6	0.026 U	0.025 U	0.021 U
Aroclor 1260	SW8082A	0.33	--	18.8	1.75	0.0092 J	0.021 U
Total PCB Aroclors (U = 0 max limit)		0.33	--	43.4	1.75	0.0092 J	0.018 U

Table E-3
Summary of 2022 and 2023 PDI River Sediment Sampling Results

Notes:

Bold: Detected result

ft: foot

lb/ft³: pound per cubed foot

J: Estimated value

mg/kg: milligram per kilogram

PCB: polychlorinated biphenyl

R: Rejected

U: Compound analyzed for, but not detected above detection limit

UJ: Compound analyzed for, but not detected above estimated detection limit

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-COMP-230419-00-03 4/19/2023 0–3 ft	SE-000-00-C-R-230419-0.5-01 4/19/2023 0.5–1 ft	SE-000-00-C-R-230419-00-0.5 4/19/2023 0–0.5 ft	SE-000-00-C-R-230419-01-1.5 4/19/2023 1–1.5 ft	SE-000-00-C-R-230419-02-2.5 4/19/2023 2–2.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	--	1.03 J	0.822 J	1.37 J	0.784 J
Total solids	SM2540G	--	73.1	77.4	75.4	73.7
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	100 U	--	--	--	--
Barium	SW6010D	390	--	--	--	--
Cadmium	SW6010D	6.5	--	--	--	--
Chromium	SW6010D	10 U	--	--	--	--
Lead	SW6010D	130	--	--	--	--
Mercury	SW7470A	0.20 U	--	--	--	--
Selenium	SW6010D	100 U	--	--	--	--
Silver	SW6010D	10 U	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	5.0 U	--	--	--	--
1,2-Dichloroethane	SW8260D	5.0 U	--	--	--	--
Benzene	SW8260D	2.5 U	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	5.0 U	--	--	--	--
Chlorobenzene	SW8260D	5.0 U	--	--	--	--
Chloroform	SW8260D	5.0 U	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	100 U	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	5.0 U	--	--	--	--
Trichloroethene (TCE)	SW8260D	5.0 U	--	--	--	--
Vinyl chloride	SW8260D	5.0 U	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-COMP-230419-00-03 4/19/2023 0–3 ft	SE-000-00-C-R-230419-0.5-01 4/19/2023 0.5–1 ft	SE-000-00-C-R-230419-00-0.5 4/19/2023 0–0.5 ft	SE-000-00-C-R-230419-01-1.5 4/19/2023 1–1.5 ft	SE-000-00-C-R-230419-02-2.5 4/19/2023 2–2.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	5.0 U	--	--	--	--
1,4-Dichlorobenzene	SW8270E	20 U	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	50 U	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	50 U	--	--	--	--
2,4-Dinitrotoluene	SW8270E	20 U	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	20 U	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	20 U	--	--	--	--
Hexachlorobenzene	SW8270E	20 U	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	10 U	--	--	--	--
Hexachloroethane	SW8270E	50 U	--	--	--	--
Nitrobenzene	SW8270E	20 U	--	--	--	--
Pentachlorophenol	SW8270E	100 U	--	--	--	--
Pyridine	SW8270E	20 U	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	3.3 U	--	--	--	--
Endrin	SW8081B	0.067 U	--	--	--	--
Heptachlor	SW8081B	0.067 U	--	--	--	--
Heptachlor epoxide	SW8081B	0.067 U	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	0.067 U	--	--	--	--
Methoxychlor	SW8081B	0.13 U	--	--	--	--
Toxaphene	SW8081B	1.7 U	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	1.0 U	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	3.3 U	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	--	0.027 U	0.024 U	0.027 U	0.027 U
Aroclor 1221	SW8082A	--	0.027 U	0.024 U	0.027 U	0.027 U
Aroclor 1232	SW8082A	--	0.027 U	0.024 U	0.027 U	0.027 U
Aroclor 1242	SW8082A	--	0.027 U	0.024 U	0.027 U	0.027 U
Aroclor 1248	SW8082A	--	0.027 U	0.024 U	0.027 U	0.027 U
Aroclor 1254	SW8082A	--	0.588	0.264	0.287	0.698
Aroclor 1260	SW8082A	--	0.908	0.649	0.321	0.57
Total PCB Aroclors (U = 0 max limit)		--	1.5	0.913	0.608	1.3

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-C-R-230419-1.5-02 4/19/2023 1.5–2 ft	SE-000-00-C-R-230419-2.5-03 4/19/2023 2.5–3 ft	SE-000-00-E-R-230419-0.5-01 4/19/2023 0.5–1 ft	SE-000-00-E-R-230419-00-0.5 4/19/2023 0–0.5 ft	SE-000-00-E-R-230419-01-1.5 4/19/2023 1–1.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	1.41 J	2.02 J	0.426 J	0.276 J	3.7 J
Total solids	SM2540G	71.9	68.7	82.3	84.8	53.8
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-C-R-230419-1.5-02 4/19/2023 1.5–2 ft	SE-000-00-C-R-230419-2.5-03 4/19/2023 2.5–3 ft	SE-000-00-E-R-230419-0.5-01 4/19/2023 0.5–1 ft	SE-000-00-E-R-230419-00-0.5 4/19/2023 0–0.5 ft	SE-000-00-E-R-230419-01-1.5 4/19/2023 1–1.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.028 U	0.029 U	0.021 U	0.023 U	0.036 U
Aroclor 1221	SW8082A	0.028 U	0.029 U	0.021 U	0.023 U	0.036 U
Aroclor 1232	SW8082A	0.028 U	0.029 U	0.021 U	0.023 U	0.036 U
Aroclor 1242	SW8082A	0.028 U	0.029 U	0.021 U	0.023 U	0.036 U
Aroclor 1248	SW8082A	0.028 U	0.029 U	0.021 U	0.023 U	0.036 U
Aroclor 1254	SW8082A	0.716	1.58	0.225	0.265	0.328
Aroclor 1260	SW8082A	0.908	1.03	0.795	0.625	0.632
Total PCB Aroclors (U = 0 max limit)		1.62	2.61	1.02	0.89	0.96

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-E-R-230419-02-2.5 4/19/2023 2–2.5 ft	SE-000-00-E-R-230419-1.5-02 4/19/2023 1.5–2 ft	SE-000-00-E-R-230419-2.5-2.95 4/19/2023 2.5–2.95 ft	SE-000-00-W-R-230419-0.5-01 4/19/2023 0.5–1 ft	SE-000-00-W-R-230419-00-0.5 4/19/2023 0–0.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	1.19 J	0.979 J	1.09 J	1.81 J	1.35 J
Total solids	SM2540G	75.4	72.5	79.7	79.3	75.3
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-E-R-230419-02-2.5 4/19/2023 2–2.5 ft	SE-000-00-E-R-230419-1.5-02 4/19/2023 1.5–2 ft	SE-000-00-E-R-230419-2.5-2.95 4/19/2023 2.5–2.95 ft	SE-000-00-W-R-230419-0.5-01 4/19/2023 0.5–1 ft	SE-000-00-W-R-230419-00-0.5 4/19/2023 0–0.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.026 U	0.026 U	0.024 U	0.025 U	0.025 U
Aroclor 1221	SW8082A	0.026 U	0.026 U	0.024 U	0.025 U	0.025 U
Aroclor 1232	SW8082A	0.026 U	0.026 U	0.024 U	0.025 U	0.025 U
Aroclor 1242	SW8082A	0.026 U	0.026 U	0.024 U	0.025 U	0.025 U
Aroclor 1248	SW8082A	0.026 U	0.026 U	0.024 U	0.025 U	0.025 U
Aroclor 1254	SW8082A	0.831	0.157	0.276	0.522	0.0441
Aroclor 1260	SW8082A	0.35	0.182	0.208	1.72	0.0427
Total PCB Aroclors (U = 0 max limit)		1.2	0.339	0.484	2.24	0.0868

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-W-R-230419-01-1.5 4/19/2023 1–1.5 ft	SE-000-00-W-R-230419-02-2.5 4/19/2023 2–2.5 ft	SE-000-00-W-R-230419-1.5-02 4/19/2023 1.5–2 ft	SE-000-00-W-R-230419-2.5-03 4/19/2023 2.5–3 ft	SE-025-59-COMP-230420-00-03 4/20/2023 0–3 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	1.95 J	1.39 J	1.31 J	1.07 J	--
Total solids	SM2540G	74.7	76.6	87.4	79.1	--
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	100 U
Barium	SW6010D	--	--	--	--	200 U
Cadmium	SW6010D	--	--	--	--	4.0 U
Chromium	SW6010D	--	--	--	--	10 U
Lead	SW6010D	--	--	--	--	100 U
Mercury	SW7470A	--	--	--	--	0.20 U
Selenium	SW6010D	--	--	--	--	100 U
Silver	SW6010D	--	--	--	--	10 U
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	5.0 U
1,2-Dichloroethane	SW8260D	--	--	--	--	5.0 U
Benzene	SW8260D	--	--	--	--	2.5 U
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	5.0 U
Chlorobenzene	SW8260D	--	--	--	--	5.0 U
Chloroform	SW8260D	--	--	--	--	5.0 U
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	100 U
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	5.0 U
Trichloroethene (TCE)	SW8260D	--	--	--	--	5.0 U
Vinyl chloride	SW8260D	--	--	--	--	5.0 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-000-00-W-R-230419-01-1.5 4/19/2023 1–1.5 ft	SE-000-00-W-R-230419-02-2.5 4/19/2023 2–2.5 ft	SE-000-00-W-R-230419-1.5-02 4/19/2023 1.5–2 ft	SE-000-00-W-R-230419-2.5-03 4/19/2023 2.5–3 ft	SE-025-59-COMP-230420-00-03 4/20/2023 0–3 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	5.0 U
1,4-Dichlorobenzene	SW8270E	--	--	--	--	20 U
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	50 U
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	50 U
2,4-Dinitrotoluene	SW8270E	--	--	--	--	20 U
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	20 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	20 U
Hexachlorobenzene	SW8270E	--	--	--	--	20 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	10 U
Hexachloroethane	SW8270E	--	--	--	--	50 U
Nitrobenzene	SW8270E	--	--	--	--	20 U
Pentachlorophenol	SW8270E	--	--	--	--	100 U
Pyridine	SW8270E	--	--	--	--	20 U
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	3.3 U
Endrin	SW8081B	--	--	--	--	0.067 U
Heptachlor	SW8081B	--	--	--	--	0.067 U
Heptachlor epoxide	SW8081B	--	--	--	--	0.067 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	0.067 U
Methoxychlor	SW8081B	--	--	--	--	0.13 U
Toxaphene	SW8081B	--	--	--	--	1.7 U
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	1.0 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	3.3 U
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.027 U	0.026 U	0.021 U	0.025 U	--
Aroclor 1221	SW8082A	0.027 U	0.026 U	0.021 U	0.025 U	--
Aroclor 1232	SW8082A	0.027 U	0.026 U	0.021 U	0.025 U	--
Aroclor 1242	SW8082A	0.027 U	0.026 U	0.021 U	0.025 U	--
Aroclor 1248	SW8082A	0.027 U	0.026 U	0.021 U	0.025 U	--
Aroclor 1254	SW8082A	0.272	0.392	0.37	0.404	--
Aroclor 1260	SW8082A	0.637	1.1	0.977	0.367	--
Total PCB Aroclors (U = 0 max limit)		0.909	1.5	1.3	0.771	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-C-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-025-59-C-R-230420-00-0.5 4/20/2023 0–0.5 ft	SE-025-59-C-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-025-59-C-R-230420-02-2.5 4/20/2023 2–2.5 ft	SE-025-59-C-R-230420-1.5-02 4/20/2023 1.5–2 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.115 J	1.46 J	0.0681 J	0.0672 J	0.0676 J
Total solids	SM2540G	75.8	65.3	72.8	68.2	72.1
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-C-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-025-59-C-R-230420-00-0.5 4/20/2023 0–0.5 ft	SE-025-59-C-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-025-59-C-R-230420-02-2.5 4/20/2023 2–2.5 ft	SE-025-59-C-R-230420-1.5-02 4/20/2023 1.5–2 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.024 U	0.028 U	0.027 U	0.028 U	0.026 U
Aroclor 1221	SW8082A	0.024 U	0.028 U	0.027 U	0.028 U	0.026 U
Aroclor 1232	SW8082A	0.024 U	0.028 U	0.027 U	0.028 U	0.026 U
Aroclor 1242	SW8082A	0.024 U	0.028 U	0.027 U	0.028 U	0.026 U
Aroclor 1248	SW8082A	0.024 U	0.028 U	0.027 U	0.028 U	0.026 U
Aroclor 1254	SW8082A	0.0141 J	0.0931	0.027 U	0.028 U	0.026 U
Aroclor 1260	SW8082A	0.0774	0.46	0.0109 J	0.028 U	0.026 U
Total PCB Aroclors (U = 0 max limit)		0.0915 J	0.55	0.0109 J	0.0061 U	0.0057 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-C-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-025-59-E-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-025-59-E-R-230420-00-0.5 4/20/2023 0–0.5 ft	SE-025-59-E-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-025-59-E-R-230420-02-2.5 4/20/2023 2–2.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.0673 J	7.14 J	0.319 J	23.5 J	0.424 J
Total solids	SM2540G	67.6	38.3	90.1	29.8	76.6
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-C-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-025-59-E-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-025-59-E-R-230420-00-0.5 4/20/2023 0–0.5 ft	SE-025-59-E-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-025-59-E-R-230420-02-2.5 4/20/2023 2–2.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.027 U	0.048 U	0.021 U	0.063 U	0.024 U
Aroclor 1221	SW8082A	0.027 U	0.048 U	0.021 U	0.063 U	0.024 U
Aroclor 1232	SW8082A	0.027 U	0.048 U	0.021 U	0.063 U	0.024 U
Aroclor 1242	SW8082A	0.027 U	0.048 U	0.021 U	0.063 U	0.024 U
Aroclor 1248	SW8082A	0.027 U	0.048 U	0.021 U	0.063 U	0.024 U
Aroclor 1254	SW8082A	0.027 U	0.048 UJ	0.0446 J	0.7	0.2
Aroclor 1260	SW8082A	0.027 U	3.11 J	0.113 J	1.63	0.524
Total PCB Aroclors (U = 0 max limit)		0.0060 U	3.11 J	0.158 J	2.3	0.72

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-E-R-230420-1.5-02 4/20/2023 1.5–2 ft	SE-025-59-E-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-025-59-E-R-BD0001 4/20/2023 0.5–1 ft	SE-025-59-W-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-025-59-W-R-230420-00-0.5 4/20/2023 0–0.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	9.69	0.223	6.62	0.0913	0.328
Total solids	SM2540G	41	91	34	74.8	68.9
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-E-R-230420-1.5-02 4/20/2023 1.5–2 ft	SE-025-59-E-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-025-59-E-R-BD0001 4/20/2023 0.5–1 ft	SE-025-59-W-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-025-59-W-R-230420-00-0.5 4/20/2023 0–0.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.046 U	0.022 U	0.059 U	0.026 U	0.026 U
Aroclor 1221	SW8082A	0.046 U	0.022 U	0.059 U	0.026 U	0.026 U
Aroclor 1232	SW8082A	0.046 U	0.022 U	0.059 U	0.026 U	0.026 U
Aroclor 1242	SW8082A	0.046 U	0.022 U	0.059 U	0.026 U	0.026 U
Aroclor 1248	SW8082A	0.046 U	0.022 U	0.059 U	0.026 U	0.026 U
Aroclor 1254	SW8082A	0.046 U	0.022 U	0.416 J	0.026 U	0.0512
Aroclor 1260	SW8082A	5.52	3.5	1.55 J	0.076	0.16
Total PCB Aroclors (U = 0 max limit)		5.52	3.5	1.97 J	0.076	0.21

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-W-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-025-59-W-R-230420-02-2.5 4/20/2023 2–2.5 ft	SE-025-59-W-R-230420-1.5-02 4/20/2023 1.5–2 ft	SE-025-59-W-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-043-16-COMP-230420-00-03 4/20/2023 0–3 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.0912	0.0796	0.0596	0.0851	--
Total solids	SM2540G	67.5	68.5	73.2	70.7	--
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	100 U
Barium	SW6010D	--	--	--	--	200 U
Cadmium	SW6010D	--	--	--	--	4.0 U
Chromium	SW6010D	--	--	--	--	10 U
Lead	SW6010D	--	--	--	--	100 U
Mercury	SW7470A	--	--	--	--	0.20 U
Selenium	SW6010D	--	--	--	--	100 U
Silver	SW6010D	--	--	--	--	10 U
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	5.0 U
1,2-Dichloroethane	SW8260D	--	--	--	--	5.0 U
Benzene	SW8260D	--	--	--	--	2.5 U
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	5.0 U
Chlorobenzene	SW8260D	--	--	--	--	5.0 U
Chloroform	SW8260D	--	--	--	--	5.0 U
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	100 U
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	5.0 U
Trichloroethene (TCE)	SW8260D	--	--	--	--	5.0 U
Vinyl chloride	SW8260D	--	--	--	--	5.0 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-025-59-W-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-025-59-W-R-230420-02-2.5 4/20/2023 2–2.5 ft	SE-025-59-W-R-230420-1.5-02 4/20/2023 1.5–2 ft	SE-025-59-W-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-043-16-COMP-230420-00-03 4/20/2023 0–3 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	5.0 U
1,4-Dichlorobenzene	SW8270E	--	--	--	--	20 U
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	50 U
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	50 U
2,4-Dinitrotoluene	SW8270E	--	--	--	--	20 U
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	20 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	20 U
Hexachlorobenzene	SW8270E	--	--	--	--	20 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	10 U
Hexachloroethane	SW8270E	--	--	--	--	50 U
Nitrobenzene	SW8270E	--	--	--	--	20 U
Pentachlorophenol	SW8270E	--	--	--	--	100 U
Pyridine	SW8270E	--	--	--	--	20 U
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	3.3 U
Endrin	SW8081B	--	--	--	--	0.067 U
Heptachlor	SW8081B	--	--	--	--	0.067 U
Heptachlor epoxide	SW8081B	--	--	--	--	0.067 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	0.067 U
Methoxychlor	SW8081B	--	--	--	--	0.13 U
Toxaphene	SW8081B	--	--	--	--	1.7 U
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	1.0 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	3.3 U
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.028 U	0.028 U	0.027 U	0.027 U	--
Aroclor 1221	SW8082A	0.028 U	0.028 U	0.027 U	0.027 U	--
Aroclor 1232	SW8082A	0.028 U	0.028 U	0.027 U	0.027 U	--
Aroclor 1242	SW8082A	0.028 U	0.028 U	0.027 U	0.027 U	--
Aroclor 1248	SW8082A	0.028 U	0.028 U	0.027 U	0.027 U	--
Aroclor 1254	SW8082A	0.028 U	0.028 U	0.027 U	0.027 U	--
Aroclor 1260	SW8082A	0.028 U	0.028 U	0.027 U	0.027 U	--
Total PCB Aroclors (U = 0 max limit)		0.0062 U	0.0061 U	0.0059 U	0.0060 U	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-C-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-043-16-C-R-230420-00-0.5 4/20/2023 0–0.5 ft	SE-043-16-C-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-043-16-C-R-230420-02-2.5 4/20/2023 2–2.5 ft	SE-043-16-C-R-230420-1.5-02 4/20/2023 1.5–2 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.518	0.183 J	0.147 J	0.482 J	0.315 J
Total solids	SM2540G	90.7	85.2	89	76.4	87.3
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-C-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-043-16-C-R-230420-00-0.5 4/20/2023 0–0.5 ft	SE-043-16-C-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-043-16-C-R-230420-02-2.5 4/20/2023 2–2.5 ft	SE-043-16-C-R-230420-1.5-02 4/20/2023 1.5–2 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.022 U	0.022 U	0.020 U	0.026 U	0.11 U
Aroclor 1221	SW8082A	0.022 U	0.022 U	0.020 U	0.026 U	0.11 U
Aroclor 1232	SW8082A	0.022 U	0.022 U	0.020 U	0.026 U	0.11 U
Aroclor 1242	SW8082A	0.022 U	0.022 U	0.020 U	0.026 U	0.11 U
Aroclor 1248	SW8082A	0.022 U	0.022 U	0.020 U	0.026 U	0.11 U
Aroclor 1254	SW8082A	0.403	0.039	0.266	0.0498	0.11 U
Aroclor 1260	SW8082A	1.02	0.174	1.15	0.0967	41.3
Total PCB Aroclors (U = 0 max limit)		1.42	0.213	1.42	0.147	41.3

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-C-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-043-16-E-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-043-16-E-R-230420-00-0.5 4/20/2023 0–0.5 ft	SE-043-16-E-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-043-16-E-R-230420-02-2.5 4/20/2023 2–2.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.0449 J	0.101 J	0.755 J	0.0879 J	0.0494 J
Total solids	SM2540G	77	83.6	81	85.5	91.3
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-C-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-043-16-E-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-043-16-E-R-230420-00-0.5 4/20/2023 0–0.5 ft	SE-043-16-E-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-043-16-E-R-230420-02-2.5 4/20/2023 2–2.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.026 U	0.023 U	0.025 U	0.022 U	0.021 U
Aroclor 1221	SW8082A	0.026 U	0.023 U	0.025 U	0.022 U	0.021 U
Aroclor 1232	SW8082A	0.026 U	0.023 U	0.025 U	0.022 U	0.021 U
Aroclor 1242	SW8082A	0.026 U	0.023 U	0.025 U	0.022 U	0.021 U
Aroclor 1248	SW8082A	0.026 U	0.023 U	0.025 U	0.022 U	0.021 U
Aroclor 1254	SW8082A	0.026 U	0.0095 J	0.025 U	0.022 U	0.021 U
Aroclor 1260	SW8082A	0.0283	0.0343 J	1.5	0.0114 J	0.021 U
Total PCB Aroclors (U = 0 max limit)		0.0283	0.044 J	1.5	0.0114 J	0.0047 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-E-R-230420-1.5-02 4/20/2023 1.5–2 ft	SE-043-16-E-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-043-16-E-R-BD0001 4/20/2023 0.5–1 ft	SE-043-16-W-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-043-16-W-R-230420-00-0.5 4/20/2023 0–0.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.0694 J	0.0572	0.192 J	0.253	0.365
Total solids	SM2540G	91.3	82.8	83.3	89.1	73.7
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-E-R-230420-1.5-02 4/20/2023 1.5–2 ft	SE-043-16-E-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-043-16-E-R-BD0001 4/20/2023 0.5–1 ft	SE-043-16-W-R-230420-0.5-01 4/20/2023 0.5–1 ft	SE-043-16-W-R-230420-00-0.5 4/20/2023 0–0.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.021 U	0.023 U	0.022 U	0.022 U	0.027 U
Aroclor 1221	SW8082A	0.021 U	0.023 U	0.022 U	0.022 U	0.027 U
Aroclor 1232	SW8082A	0.021 U	0.023 U	0.022 U	0.022 U	0.027 U
Aroclor 1242	SW8082A	0.021 U	0.023 U	0.022 U	0.022 U	0.027 U
Aroclor 1248	SW8082A	0.021 U	0.023 U	0.022 U	0.022 U	0.027 U
Aroclor 1254	SW8082A	0.021 U	0.023 U	0.0405	0.618 J	0.027 U
Aroclor 1260	SW8082A	0.0061 J	0.023 U	0.114 J	5.91	1.36
Total PCB Aroclors (U = 0 max limit)		0.0061 J	0.0051 U	0.155 J	6.53 J	1.36

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-W-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-043-16-W-R-230420-02-2.5 4/20/2023 2–2.5 ft	SE-043-16-W-R-230420-1.5-02 4/20/2023 1.5–2 ft	SE-043-16-W-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-068-20-COMP-230421-00-02 4/21/2023 0–2 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.785	0.253	0.997	0.101	--
Total solids	SM2540G	83.3	82.8	74.4	79.6	--
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	100 U
Barium	SW6010D	--	--	--	--	200 U
Cadmium	SW6010D	--	--	--	--	4.0 U
Chromium	SW6010D	--	--	--	--	10 U
Lead	SW6010D	--	--	--	--	100 U
Mercury	SW7470A	--	--	--	--	0.20 U
Selenium	SW6010D	--	--	--	--	100 U
Silver	SW6010D	--	--	--	--	10 U
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	5.0 U
1,2-Dichloroethane	SW8260D	--	--	--	--	5.0 U
Benzene	SW8260D	--	--	--	--	2.5 U
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	5.0 U
Chlorobenzene	SW8260D	--	--	--	--	5.0 U
Chloroform	SW8260D	--	--	--	--	5.0 U
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	100 U
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	5.0 U
Trichloroethene (TCE)	SW8260D	--	--	--	--	5.0 U
Vinyl chloride	SW8260D	--	--	--	--	5.0 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-043-16-W-R-230420-01-1.5 4/20/2023 1–1.5 ft	SE-043-16-W-R-230420-02-2.5 4/20/2023 2–2.5 ft	SE-043-16-W-R-230420-1.5-02 4/20/2023 1.5–2 ft	SE-043-16-W-R-230420-2.5-03 4/20/2023 2.5–3 ft	SE-068-20-COMP-230421-00-02 4/21/2023 0–2 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	5.0 U
1,4-Dichlorobenzene	SW8270E	--	--	--	--	20 U
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	50 U
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	50 U
2,4-Dinitrotoluene	SW8270E	--	--	--	--	20 U
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	20 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	20 U
Hexachlorobenzene	SW8270E	--	--	--	--	20 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	10 U
Hexachloroethane	SW8270E	--	--	--	--	50 U
Nitrobenzene	SW8270E	--	--	--	--	20 U
Pentachlorophenol	SW8270E	--	--	--	--	100 U
Pyridine	SW8270E	--	--	--	--	20 U
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	3.3 U
Endrin	SW8081B	--	--	--	--	0.067 U
Heptachlor	SW8081B	--	--	--	--	0.067 U
Heptachlor epoxide	SW8081B	--	--	--	--	0.067 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	0.067 U
Methoxychlor	SW8081B	--	--	--	--	0.13 U
Toxaphene	SW8081B	--	--	--	--	1.7 U
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	1.0 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	3.3 U
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.022 U	0.024 U	0.026 U	0.024 U	--
Aroclor 1221	SW8082A	0.022 U	0.024 U	0.026 U	0.024 U	--
Aroclor 1232	SW8082A	0.022 U	0.024 U	0.026 U	0.024 U	--
Aroclor 1242	SW8082A	0.022 U	0.024 U	0.026 U	0.024 U	--
Aroclor 1248	SW8082A	0.022 U	0.024 U	0.026 U	0.024 U	--
Aroclor 1254	SW8082A	2.54	0.0082 J	0.0237 J	0.0037 J	--
Aroclor 1260	SW8082A	3.37	0.0163 J	0.0484	0.0076 J	--
Total PCB Aroclors (U = 0 max limit)		5.91	0.025 J	0.0721 J	0.011 J	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-068-20-C-R-230421-0.5-01 4/21/2023 0.5–1 ft	SE-068-20-C-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-068-20-C-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-068-20-C-R-230421-1.5-02 4/21/2023 1.5–2 ft	SE-068-20-C-R-BD0001 4/21/2023 0.5–1 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	2 J	0.761 J	0.449 J	0.193 J	0.151 J
Total solids	SM2540G	82.7	80.1	90.9	91.7	86.4
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-068-20-C-R-230421-0.5-01 4/21/2023 0.5–1 ft	SE-068-20-C-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-068-20-C-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-068-20-C-R-230421-1.5-02 4/21/2023 1.5–2 ft	SE-068-20-C-R-BD0001 4/21/2023 0.5–1 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.024 U	0.023 U	0.019 U	0.020 U	0.022 U
Aroclor 1221	SW8082A	0.024 U	0.023 U	0.019 U	0.020 U	0.022 U
Aroclor 1232	SW8082A	0.024 U	0.023 U	0.019 U	0.020 U	0.022 U
Aroclor 1242	SW8082A	0.024 U	0.023 U	0.019 U	0.020 U	0.022 U
Aroclor 1248	SW8082A	0.024 U	0.023 U	0.019 U	0.020 U	0.022 U
Aroclor 1254	SW8082A	0.215	0.023 U	0.111	0.0701	0.022 U
Aroclor 1260	SW8082A	0.602 J	1.06	0.252	0.13	1.59 J
Total PCB Aroclors (U = 0 max limit)		0.817 J	1.06	0.363	0.2	1.59 J

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-068-20-E-R-230421-0.5-01 4/21/2023 0.5–1 ft	SE-068-20-E-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-068-20-E-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-068-20-E-R-230421-1.5-02 4/21/2023 1.5–2 ft	SE-068-20-W-R-230421-0.5-01 4/21/2023 0.5–1 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.143 J	1.13 J	0.0641 J	0.136 J	0.446 J
Total solids	SM2540G	78	59.5	88.9	92.3	70.4
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-068-20-E-R-230421-0.5-01 4/21/2023 0.5–1 ft	SE-068-20-E-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-068-20-E-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-068-20-E-R-230421-1.5-02 4/21/2023 1.5–2 ft	SE-068-20-W-R-230421-0.5-01 4/21/2023 0.5–1 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.026 U	0.033 U	0.021 U	0.019 U	0.027 U
Aroclor 1221	SW8082A	0.026 U	0.033 U	0.021 U	0.019 U	0.027 U
Aroclor 1232	SW8082A	0.026 U	0.033 U	0.021 U	0.019 U	0.027 U
Aroclor 1242	SW8082A	0.026 U	0.033 U	0.021 U	0.019 U	0.027 U
Aroclor 1248	SW8082A	0.026 U	0.033 U	0.021 U	0.019 U	0.027 U
Aroclor 1254	SW8082A	0.578	0.789	0.0065 J	0.0120 J	0.027 U
Aroclor 1260	SW8082A	1.43	1.82	0.0111 J	0.0249	30.2
Total PCB Aroclors (U = 0 max limit)		2.01	2.61	0.018 J	0.0369 J	30.2

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-068-20-W-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-068-20-W-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-068-20-W-R-230421-1.5-1.8 4/21/2023 1.5–1.8 ft	SE-078-22-COMP-230421-00-03 4/21/2023 0–3 ft	SE-078-22-C-R-230421-0.5-01 4/21/2023 0.5–1 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.171 J	0.363 J	4.41 J	--	0.894 J
Total solids	SM2540G	82.2	78.6	71	--	90.7
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	100 U	--
Barium	SW6010D	--	--	--	200 U	--
Cadmium	SW6010D	--	--	--	4.0 U	--
Chromium	SW6010D	--	--	--	10 U	--
Lead	SW6010D	--	--	--	100 U	--
Mercury	SW7470A	--	--	--	0.20 U	--
Selenium	SW6010D	--	--	--	100 U	--
Silver	SW6010D	--	--	--	10 U	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	5.0 U	--
1,2-Dichloroethane	SW8260D	--	--	--	5.0 U	--
Benzene	SW8260D	--	--	--	2.5 U	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	5.0 U	--
Chlorobenzene	SW8260D	--	--	--	5.0 U	--
Chloroform	SW8260D	--	--	--	5.0 U	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	100 U	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	5.0 U	--
Trichloroethene (TCE)	SW8260D	--	--	--	5.0 U	--
Vinyl chloride	SW8260D	--	--	--	5.0 U	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-068-20-W-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-068-20-W-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-068-20-W-R-230421-1.5-1.8 4/21/2023 1.5–1.8 ft	SE-078-22-COMP-230421-00-03 4/21/2023 0–3 ft	SE-078-22-C-R-230421-0.5-01 4/21/2023 0.5–1 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	5.0 U	--
1,4-Dichlorobenzene	SW8270E	--	--	--	20 U	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	50 U	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	50 U	--
2,4-Dinitrotoluene	SW8270E	--	--	--	20 U	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	20 U	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	20 U	--
Hexachlorobenzene	SW8270E	--	--	--	20 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	10 U	--
Hexachloroethane	SW8270E	--	--	--	50 U	--
Nitrobenzene	SW8270E	--	--	--	20 U	--
Pentachlorophenol	SW8270E	--	--	--	100 U	--
Pyridine	SW8270E	--	--	--	20 U	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	3.3 U	--
Endrin	SW8081B	--	--	--	0.067 U	--
Heptachlor	SW8081B	--	--	--	0.067 U	--
Heptachlor epoxide	SW8081B	--	--	--	0.067 U	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	0.067 U	--
Methoxychlor	SW8081B	--	--	--	0.13 U	--
Toxaphene	SW8081B	--	--	--	1.7 U	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	1.0 U	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	3.3 U	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.023 U	0.025 U	0.027 U	--	0.022 U
Aroclor 1221	SW8082A	0.023 U	0.025 U	0.027 U	--	0.022 U
Aroclor 1232	SW8082A	0.023 U	0.025 U	0.027 U	--	0.022 U
Aroclor 1242	SW8082A	0.023 U	0.025 U	0.027 U	--	0.022 U
Aroclor 1248	SW8082A	0.023 U	0.025 U	0.027 U	--	0.022 U
Aroclor 1254	SW8082A	0.023 U	0.025 U	5.36	--	0.022 U
Aroclor 1260	SW8082A	0.623	4.24	4.88	--	21.2
Total PCB Aroclors (U = 0 max limit)		0.623	4.24	10.2	--	21.2

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-C-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-078-22-C-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-078-22-C-R-230421-02-2.5 4/21/2023 2–2.5 ft	SE-078-22-C-R-230421-1.5-02 4/21/2023 1.5–2 ft	SE-078-22-C-R-230421-2.5-03 4/21/2023 2.5–3 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.714 J	2.4 J	5.72 J	21.8 J	0.674 J
Total solids	SM2540G	81.1	67.2	73.7	35.5	59.6
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-C-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-078-22-C-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-078-22-C-R-230421-02-2.5 4/21/2023 2–2.5 ft	SE-078-22-C-R-230421-1.5-02 4/21/2023 1.5–2 ft	SE-078-22-C-R-230421-2.5-03 4/21/2023 2.5–3 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.024 U	0.027 U	0.026 U	0.056 U	0.031 U
Aroclor 1221	SW8082A	0.024 U	0.027 U	0.026 U	0.056 U	0.031 U
Aroclor 1232	SW8082A	0.024 U	0.027 U	0.026 U	0.056 U	0.031 U
Aroclor 1242	SW8082A	0.024 U	0.027 U	0.026 U	0.056 U	0.031 U
Aroclor 1248	SW8082A	0.024 U	0.027 U	0.026 U	0.056 U	0.031 U
Aroclor 1254	SW8082A	0.78	51.9	0.026 U	369	0.031 U
Aroclor 1260	SW8082A	1.48	164	80	877	0.202
Total PCB Aroclors (U = 0 max limit)		2.3	216	80	1250	0.202

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-E-R-230421-0.5-01 4/21/2023 0.5–1 ft	SE-078-22-E-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-078-22-E-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-078-22-E-R-230421-02-2.5 4/21/2023 2–2.5 ft	SE-078-22-E-R-230421-1.5-02 4/21/2023 1.5–2 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	5.7 J	3.69	0.223	1.08	1.5
Total solids	SM2540G	57.1	67	88.3	81.5	85.2
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-E-R-230421-0.5-01 4/21/2023 0.5–1 ft	SE-078-22-E-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-078-22-E-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-078-22-E-R-230421-02-2.5 4/21/2023 2–2.5 ft	SE-078-22-E-R-230421-1.5-02 4/21/2023 1.5–2 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.034 U	0.028 U	0.021 U	0.025 U	0.021 U
Aroclor 1221	SW8082A	0.034 U	0.028 U	0.021 U	0.025 U	0.021 U
Aroclor 1232	SW8082A	0.034 U	0.028 U	0.021 U	0.025 U	0.021 U
Aroclor 1242	SW8082A	0.034 U	0.028 U	0.021 U	0.025 U	0.021 U
Aroclor 1248	SW8082A	0.034 U	0.028 U	0.021 U	0.025 U	0.021 U
Aroclor 1254	SW8082A	0.034 U	0.429	0.021 U	0.025 U	0.021 U
Aroclor 1260	SW8082A	52.5	0.689	11.3	63.6	2.65
Total PCB Aroclors (U = 0 max limit)		52.5	1.12	11.3	63.6	2.65

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-E-R-230421-2.5-03 4/21/2023 2.5–3 ft	SE-078-22-W-R-230421-0.5-01 4/21/2023 0.5–1 ft	SE-078-22-W-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-078-22-W-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-078-22-W-R-230421-02-2.5 4/21/2023 2–2.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.972	0.184	0.139	2.29	0.273
Total solids	SM2540G	83	74.1	73.3	76.4	80.9
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-E-R-230421-2.5-03 4/21/2023 2.5–3 ft	SE-078-22-W-R-230421-0.5-01 4/21/2023 0.5–1 ft	SE-078-22-W-R-230421-00-0.5 4/21/2023 0–0.5 ft	SE-078-22-W-R-230421-01-1.5 4/21/2023 1–1.5 ft	SE-078-22-W-R-230421-02-2.5 4/21/2023 2–2.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.024 U	0.025 U	0.025 U	0.026 U	0.025 U
Aroclor 1221	SW8082A	0.024 U	0.025 U	0.025 U	0.026 U	0.025 U
Aroclor 1232	SW8082A	0.024 U	0.025 U	0.025 U	0.026 U	0.025 U
Aroclor 1242	SW8082A	0.024 U	0.025 U	0.025 U	0.026 U	0.025 U
Aroclor 1248	SW8082A	0.024 U	0.025 U	0.025 U	0.026 U	0.025 U
Aroclor 1254	SW8082A	0.024 U	0.125	0.072	0.026 U	0.0074 J
Aroclor 1260	SW8082A	0.403	0.195	0.164	3.88	0.0133 J
Total PCB Aroclors (U = 0 max limit)		0.403	0.32	0.236	3.88	0.021 J

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-W-R-230421-1.5-02 4/21/2023 1.5–2 ft	SE-078-22-W-R-230421-2.5-03 4/21/2023 2.5–3 ft	SE-091-28-COMP-230424-00-03 4/24/2023 0–3 ft	SE-091-28-C-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-091-28-C-R-230424-00-0.5 4/24/2023 0–0.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	1.54	0.0832 J	--	0.53 J	1.01 J
Total solids	SM2540G	68.3	79.1	--	81	73.1
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	100 U	--	--
Barium	SW6010D	--	--	200 U	--	--
Cadmium	SW6010D	--	--	4.0 U	--	--
Chromium	SW6010D	--	--	10 U	--	--
Lead	SW6010D	--	--	100 U	--	--
Mercury	SW7470A	--	--	0.20 U	--	--
Selenium	SW6010D	--	--	100 U	--	--
Silver	SW6010D	--	--	10 U	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	5.0 U	--	--
1,2-Dichloroethane	SW8260D	--	--	5.0 U	--	--
Benzene	SW8260D	--	--	2.5 U	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	5.0 U	--	--
Chlorobenzene	SW8260D	--	--	5.0 U	--	--
Chloroform	SW8260D	--	--	5.0 U	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	100 U	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	5.0 U	--	--
Trichloroethene (TCE)	SW8260D	--	--	5.0 U	--	--
Vinyl chloride	SW8260D	--	--	5.0 U	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-078-22-W-R-230421-1.5-02 4/21/2023 1.5–2 ft	SE-078-22-W-R-230421-2.5-03 4/21/2023 2.5–3 ft	SE-091-28-COMP-230424-00-03 4/24/2023 0–3 ft	SE-091-28-C-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-091-28-C-R-230424-00-0.5 4/24/2023 0–0.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	5.0 U	--	--
1,4-Dichlorobenzene	SW8270E	--	--	20 U	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	50 U	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	50 U	--	--
2,4-Dinitrotoluene	SW8270E	--	--	20 U	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	20 U	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	20 U	--	--
Hexachlorobenzene	SW8270E	--	--	20 U	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	10 U	--	--
Hexachloroethane	SW8270E	--	--	50 U	--	--
Nitrobenzene	SW8270E	--	--	20 U	--	--
Pentachlorophenol	SW8270E	--	--	100 U	--	--
Pyridine	SW8270E	--	--	20 U	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	3.3 U	--	--
Endrin	SW8081B	--	--	0.067 U	--	--
Heptachlor	SW8081B	--	--	0.067 U	--	--
Heptachlor epoxide	SW8081B	--	--	0.067 U	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	0.067 U	--	--
Methoxychlor	SW8081B	--	--	0.13 U	--	--
Toxaphene	SW8081B	--	--	1.7 U	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	1.0 U	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	3.3 U	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.027 U	0.024 U	--	0.025 U	1.3 U
Aroclor 1221	SW8082A	0.027 U	0.024 U	--	0.025 U	1.3 U
Aroclor 1232	SW8082A	0.027 U	0.024 U	--	0.025 U	1.3 U
Aroclor 1242	SW8082A	0.027 U	0.024 U	--	0.025 U	1.3 U
Aroclor 1248	SW8082A	0.027 U	0.024 U	--	0.025 U	1.3 U
Aroclor 1254	SW8082A	0.0112 J	0.024 U	--	0.0621	1.3 U
Aroclor 1260	SW8082A	0.0250 J	0.024 U	--	0.405	108
Total PCB Aroclors (U = 0 max limit)		0.0362 J	0.0052 U	--	0.467	108

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-091-28-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-091-28-C-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-091-28-C-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-091-28-E-R-230424-0.5-01 4/24/2023 0.5–1 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	1.22 J	0.397 J	0.296 J	0.185 J	0.823 J
Total solids	SM2540G	67.2	80.9	83.2	80.3	84.9
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-091-28-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-091-28-C-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-091-28-C-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-091-28-E-R-230424-0.5-01 4/24/2023 0.5–1 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.030 U	0.025 U	0.023 U	0.023 U	0.023 U
Aroclor 1221	SW8082A	0.030 U	0.025 U	0.023 U	0.023 U	0.023 U
Aroclor 1232	SW8082A	0.030 U	0.025 U	0.023 U	0.023 U	0.023 U
Aroclor 1242	SW8082A	0.030 U	0.025 U	0.023 U	0.023 U	0.023 U
Aroclor 1248	SW8082A	0.030 U	0.025 U	0.023 U	0.023 U	0.023 UJ
Aroclor 1254	SW8082A	0.030 U	0.025 U	0.0271	0.023 U	0.0213 J
Aroclor 1260	SW8082A	2.61	0.0065 J	0.165	0.023 U	0.0970 J
Total PCB Aroclors (U = 0 max limit)		2.61	0.0065 J	0.192	0.0050 U	0.118 J

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-091-28-E-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-091-28-E-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-091-28-E-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-091-28-E-R-230424-2.5-03 4/24/2023 2.5–3 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.405 J	0.0528 J	0.146 J	0.174 J	0.124 J
Total solids	SM2540G	79.9	92.9	86.6	89.5	88.5
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-091-28-E-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-091-28-E-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-091-28-E-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-091-28-E-R-230424-2.5-03 4/24/2023 2.5–3 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.024 U	0.022 U	0.022 U	0.020 U	1.0 U
Aroclor 1221	SW8082A	0.024 U	0.022 U	0.022 U	0.020 U	1.0 U
Aroclor 1232	SW8082A	0.024 U	0.022 U	0.022 U	0.020 U	1.0 U
Aroclor 1242	SW8082A	0.024 U	0.022 U	0.022 U	0.020 U	1.0 U
Aroclor 1248	SW8082A	0.024 U	0.022 U	0.022 U	0.020 U	1.0 U
Aroclor 1254	SW8082A	0.0429	0.0476	0.333	0.0814	1.0 U
Aroclor 1260	SW8082A	0.205 J	0.332	1.72	0.537	125
Total PCB Aroclors (U = 0 max limit)		0.248 J	0.38	2.05	0.618	125

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-E-R-BD0001 4/24/2023 0–0.5 ft	SE-091-28-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-091-28-W-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-091-28-W-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-091-28-W-R-230424-02-2.5 4/24/2023 2–2.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.607 J	1.06 J	1.69 J	0.749 J	0.171 J
Total solids	SM2540G	87.3	73.1	70.9	72.2	86.4
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-E-R-BD0001 4/24/2023 0–0.5 ft	SE-091-28-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-091-28-W-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-091-28-W-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-091-28-W-R-230424-02-2.5 4/24/2023 2–2.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.022 U	0.026 U	0.028 U	0.028 U	0.023 U
Aroclor 1221	SW8082A	0.022 U	0.026 U	0.028 U	0.028 U	0.023 U
Aroclor 1232	SW8082A	0.022 U	0.026 U	0.028 U	0.028 U	0.023 U
Aroclor 1242	SW8082A	0.022 U	0.026 U	0.028 U	0.028 U	0.023 U
Aroclor 1248	SW8082A	0.022 U	0.026 U	0.028 U	0.028 U	0.023 U
Aroclor 1254	SW8082A	0.0359	0.026 U	0.028 U	0.028 U	0.023 U
Aroclor 1260	SW8082A	0.106 J	0.026 U	0.028 U	0.028 U	0.023 U
Total PCB Aroclors (U = 0 max limit)		0.142 J	0.0057 U	0.0062 U	0.0061 U	0.0051 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-091-28-W-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-091-28-W-R-BD0001 4/24/2023 1.5–2 ft	SE-114-39-COMP-230424-00-03 4/24/2023 0–3 ft	SE-114-39-C-R-230424-0.5-01 4/24/2023 0.5–1 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.101 J	0.182 J	0.0632	--	0.21
Total solids	SM2540G	93.7	84.9	91.2	--	90.6
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	100 U	--
Barium	SW6010D	--	--	--	200 U	--
Cadmium	SW6010D	--	--	--	4.0 U	--
Chromium	SW6010D	--	--	--	10 U	--
Lead	SW6010D	--	--	--	100 U	--
Mercury	SW7470A	--	--	--	0.20 U	--
Selenium	SW6010D	--	--	--	100 U	--
Silver	SW6010D	--	--	--	10 U	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	5.0 U	--
1,2-Dichloroethane	SW8260D	--	--	--	5.0 U	--
Benzene	SW8260D	--	--	--	2.5 U	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	5.0 U	--
Chlorobenzene	SW8260D	--	--	--	5.0 U	--
Chloroform	SW8260D	--	--	--	5.0 U	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	100 U	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	5.0 U	--
Trichloroethene (TCE)	SW8260D	--	--	--	5.0 U	--
Vinyl chloride	SW8260D	--	--	--	6.3	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-091-28-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-091-28-W-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-091-28-W-R-BD0001 4/24/2023 1.5–2 ft	SE-114-39-COMP-230424-00-03 4/24/2023 0–3 ft	SE-114-39-C-R-230424-0.5-01 4/24/2023 0.5–1 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	5.0 U	--
1,4-Dichlorobenzene	SW8270E	--	--	--	20 U	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	50 U	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	50 U	--
2,4-Dinitrotoluene	SW8270E	--	--	--	20 U	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	20 U	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	20 U	--
Hexachlorobenzene	SW8270E	--	--	--	20 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	10 U	--
Hexachloroethane	SW8270E	--	--	--	50 U	--
Nitrobenzene	SW8270E	--	--	--	20 U	--
Pentachlorophenol	SW8270E	--	--	--	100 U	--
Pyridine	SW8270E	--	--	--	20 U	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	3.3 U	--
Endrin	SW8081B	--	--	--	0.067 U	--
Heptachlor	SW8081B	--	--	--	0.067 U	--
Heptachlor epoxide	SW8081B	--	--	--	0.067 U	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	0.067 U	--
Methoxychlor	SW8081B	--	--	--	0.13 U	--
Toxaphene	SW8081B	--	--	--	1.7 U	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	1.0 U	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	3.3 U	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.020 U	0.023 U	0.022 U	--	0.021 U
Aroclor 1221	SW8082A	0.020 U	0.023 U	0.022 U	--	0.021 U
Aroclor 1232	SW8082A	0.020 U	0.023 U	0.022 U	--	0.021 U
Aroclor 1242	SW8082A	0.020 U	0.023 U	0.022 U	--	0.021 U
Aroclor 1248	SW8082A	0.020 U	0.023 U	0.022 U	--	0.021 U
Aroclor 1254	SW8082A	0.020 U	0.023 U	0.022 U	--	0.021 U
Aroclor 1260	SW8082A	0.020 U	0.023 U	0.022 U	--	3.25
Total PCB Aroclors (U = 0 max limit)		0.004 U	0.0050 U	0.0048 U	--	3.25

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-C-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-114-39-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-114-39-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-114-39-C-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-114-39-C-R-230424-2.5-03 4/24/2023 2.5–3 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.271	0.499	0.678	1.48	0.742
Total solids	SM2540G	76.9	82.8	60.2	71.4	78.7
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-C-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-114-39-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-114-39-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-114-39-C-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-114-39-C-R-230424-2.5-03 4/24/2023 2.5–3 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.023 U	0.023 U	0.033 U	0.027 U	0.025 U
Aroclor 1221	SW8082A	0.023 U	0.023 U	0.033 U	0.027 U	0.025 U
Aroclor 1232	SW8082A	0.023 U	0.023 U	0.033 U	0.027 U	0.025 U
Aroclor 1242	SW8082A	0.023 U	0.023 U	0.033 U	0.027 U	0.025 U
Aroclor 1248	SW8082A	0.023 U	0.023 U	0.033 U	0.027 U	0.025 U
Aroclor 1254	SW8082A	0.023 U	1.75	0.033 U	0.027 U	0.025 U
Aroclor 1260	SW8082A	3.2	1.45	1.84	17.7	1.34
Total PCB Aroclors (U = 0 max limit)		3.2	3.2	1.84	17.7	1.34

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-C-R-BD0001 4/24/2023 0.5–1 ft	SE-114-39-E-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-114-39-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-114-39-E-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-114-39-E-R-230424-02-2.5 4/24/2023 2–2.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.127	0.495	1.03	0.298	0.549
Total solids	SM2540G	89.7	74.3	73.1	83.4	82.6
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-C-R-BD0001 4/24/2023 0.5–1 ft	SE-114-39-E-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-114-39-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-114-39-E-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-114-39-E-R-230424-02-2.5 4/24/2023 2–2.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.022 U	0.026 U	0.025 U	0.021 U	0.021 U
Aroclor 1221	SW8082A	0.022 U	0.026 U	0.025 U	0.021 U	0.021 U
Aroclor 1232	SW8082A	0.022 U	0.026 U	0.025 U	0.021 U	0.021 U
Aroclor 1242	SW8082A	0.022 U	0.026 U	0.025 U	0.021 U	0.021 U
Aroclor 1248	SW8082A	0.022 U	0.026 U	0.025 U	0.021 U	0.021 U
Aroclor 1254	SW8082A	0.022 U	0.026 U	0.025 U	0.021 U	0.021 U
Aroclor 1260	SW8082A	2.06	2.63	3.39	9.69	1.03
Total PCB Aroclors (U = 0 max limit)		2.06	2.63	3.39	9.69	1.03

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-E-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-114-39-E-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-114-39-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-114-39-W-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-114-39-W-R-230424-01-1.5 4/24/2023 1–1.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.249	0.165	0.109	0.106	1.73
Total solids	SM2540G	79	85.5	93.6	92.5	94.3
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-E-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-114-39-E-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-114-39-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-114-39-W-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-114-39-W-R-230424-01-1.5 4/24/2023 1–1.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.024 U	0.021 U	0.021 U	0.020 U	0.020 U
Aroclor 1221	SW8082A	0.024 U	0.021 U	0.021 U	0.020 U	0.020 U
Aroclor 1232	SW8082A	0.024 U	0.021 U	0.021 U	0.020 U	0.020 U
Aroclor 1242	SW8082A	0.024 U	0.021 U	0.021 U	0.020 U	0.020 U
Aroclor 1248	SW8082A	0.024 U	0.021 U	0.021 U	0.020 U	0.020 U
Aroclor 1254	SW8082A	0.024 U	0.0089 J	0.0652	0.252	0.020 U
Aroclor 1260	SW8082A	1.33	0.0312	0.188	0.312	0.759
Total PCB Aroclors (U = 0 max limit)		1.33	0.040 J	0.253	0.564	0.759

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-W-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-114-39-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-114-39-W-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-134-45-COMP-230424-00-03 4/24/2023 0–3 ft	SE-134-45-C-R-230424-0.5-01 4/24/2023 0.5–1 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.153	1.31	0.319	--	0.0574 J
Total solids	SM2540G	90.2	88.8	88.5	--	84.7
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	100 U	--
Barium	SW6010D	--	--	--	200 U	--
Cadmium	SW6010D	--	--	--	4.0 U	--
Chromium	SW6010D	--	--	--	10 U	--
Lead	SW6010D	--	--	--	100 U	--
Mercury	SW7470A	--	--	--	0.20 U	--
Selenium	SW6010D	--	--	--	100 U	--
Silver	SW6010D	--	--	--	10 U	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	5.0 U	--
1,2-Dichloroethane	SW8260D	--	--	--	5.0 U	--
Benzene	SW8260D	--	--	--	2.5 U	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	5.0 U	--
Chlorobenzene	SW8260D	--	--	--	5.0 U	--
Chloroform	SW8260D	--	--	--	5.0 U	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	100 U	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	5.0 U	--
Trichloroethene (TCE)	SW8260D	--	--	--	5.0 U	--
Vinyl chloride	SW8260D	--	--	--	5.0 U	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-114-39-W-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-114-39-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-114-39-W-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-134-45-COMP-230424-00-03 4/24/2023 0–3 ft	SE-134-45-C-R-230424-0.5-01 4/24/2023 0.5–1 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	5.0 U	--
1,4-Dichlorobenzene	SW8270E	--	--	--	20 U	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	50 U	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	50 U	--
2,4-Dinitrotoluene	SW8270E	--	--	--	20 U	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	20 U	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	20 U	--
Hexachlorobenzene	SW8270E	--	--	--	20 U	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	10 U	--
Hexachloroethane	SW8270E	--	--	--	50 U	--
Nitrobenzene	SW8270E	--	--	--	20 U	--
Pentachlorophenol	SW8270E	--	--	--	100 U	--
Pyridine	SW8270E	--	--	--	20 U	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	3.3 U	--
Endrin	SW8081B	--	--	--	0.067 U	--
Heptachlor	SW8081B	--	--	--	0.067 U	--
Heptachlor epoxide	SW8081B	--	--	--	0.067 U	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	0.067 U	--
Methoxychlor	SW8081B	--	--	--	0.13 U	--
Toxaphene	SW8081B	--	--	--	1.7 U	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	1.0 U	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	3.3 U	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.019 U	0.021 U	0.022 U	--	0.021 U
Aroclor 1221	SW8082A	0.019 U	0.021 U	0.022 U	--	0.021 U
Aroclor 1232	SW8082A	0.019 U	0.021 U	0.022 U	--	0.021 U
Aroclor 1242	SW8082A	0.019 U	0.021 U	0.022 U	--	0.021 U
Aroclor 1248	SW8082A	0.019 U	0.021 U	0.022 U	--	0.021 U
Aroclor 1254	SW8082A	0.019 U	0.0656	0.0091 J	--	0.021 U
Aroclor 1260	SW8082A	0.737	0.13	0.022 U	--	0.0366
Total PCB Aroclors (U = 0 max limit)		0.737	0.2	0.0091 J	--	0.0366

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-C-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-134-45-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-134-45-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-134-45-C-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-134-45-C-R-230424-2.5-03 4/24/2023 2.5–3 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.113 J	0.0359 J	0.0599 J	0.136 J	0.0725 J
Total solids	SM2540G	81.1	81.2	87.5	85.5	90.8
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-C-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-134-45-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-134-45-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-134-45-C-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-134-45-C-R-230424-2.5-03 4/24/2023 2.5–3 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.022 U	0.025 U	0.022 U	0.021 U	0.022 U
Aroclor 1221	SW8082A	0.022 U	0.025 U	0.022 U	0.021 U	0.022 U
Aroclor 1232	SW8082A	0.022 U	0.025 U	0.022 U	0.021 U	0.022 U
Aroclor 1242	SW8082A	0.022 U	0.025 U	0.022 U	0.021 U	0.022 U
Aroclor 1248	SW8082A	0.022 U	0.025 U	0.022 U	0.021 U	0.022 U
Aroclor 1254	SW8082A	0.022 U	0.0080 J	0.0069 J	0.0074 J	0.022 U
Aroclor 1260	SW8082A	0.0822	0.025 U	0.022 U	0.021 U	0.022 U
Total PCB Aroclors (U = 0 max limit)		0.0822	0.0080 J	0.0069 J	0.0074 J	0.0047 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-E-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-134-45-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-134-45-E-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-134-45-E-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-134-45-E-R-230424-1.5-02 4/24/2023 1.5–2 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.942 J	0.838 J	0.336 J	0.0701 J	0.0836 J
Total solids	SM2540G	62.5	65.6	80.9	86.8	92.6
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-E-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-134-45-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-134-45-E-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-134-45-E-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-134-45-E-R-230424-1.5-02 4/24/2023 1.5–2 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.029 U	0.027 U	0.022 U	0.022 U	0.020 U
Aroclor 1221	SW8082A	0.029 U	0.027 U	0.022 U	0.022 U	0.020 U
Aroclor 1232	SW8082A	0.029 U	0.027 U	0.022 U	0.022 U	0.020 U
Aroclor 1242	SW8082A	0.029 U	0.027 U	0.022 U	0.022 U	0.020 U
Aroclor 1248	SW8082A	0.029 U	0.027 U	0.022 U	0.022 U	0.020 U
Aroclor 1254	SW8082A	0.029 U	0.027 U	0.022 U	0.022 U	0.020 U
Aroclor 1260	SW8082A	1.4	2.24	0.5	0.022 U	0.0099 J
Total PCB Aroclors (U = 0 max limit)		1.4	2.24	0.5	0.0048 U	0.0099 J

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-E-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-134-45-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-134-45-W-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-134-45-W-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-134-45-W-R-230424-02-2.5 4/24/2023 2–2.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.41 J	0.114 J	0.471 J	0.332 J	4.54 J
Total solids	SM2540G	91.3	89.7	85.6	81.5	44.1
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-E-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-134-45-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-134-45-W-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-134-45-W-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-134-45-W-R-230424-02-2.5 4/24/2023 2–2.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.020 U	0.021 U	0.023 U	0.023 U	0.043 U
Aroclor 1221	SW8082A	0.020 U	0.021 U	0.023 U	0.023 U	0.043 U
Aroclor 1232	SW8082A	0.020 U	0.021 U	0.023 U	0.023 U	0.043 U
Aroclor 1242	SW8082A	0.0469	0.021 U	0.023 U	0.023 U	0.043 U
Aroclor 1248	SW8082A	0.020 U	0.021 U	0.023 U	0.023 U	0.043 U
Aroclor 1254	SW8082A	0.020 U	0.021 U	0.023 U	0.023 U	0.043 U
Aroclor 1260	SW8082A	0.020 U	1.57 J	0.906	0.671	0.043 U
Total PCB Aroclors (U = 0 max limit)		0.0469	1.57 J	0.906	0.671	0.0094 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-134-45-W-R-230424-2.5-2.83 4/24/2023 2.5–2.83 ft	SE-134-45-W-R-BD0001 4/24/2023 0.5–1 ft	SE-149-52-COMP-230424-00-03 4/24/2023 0–3 ft	SE-149-52-COMP-BD0001 4/24/2023 0–3 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.178 J	0.0944 J	0.175 J	--	--
Total solids	SM2540G	83.4	90.2	89.4	--	--
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	100 U	100 U
Barium	SW6010D	--	--	--	200 U	200 U
Cadmium	SW6010D	--	--	--	4.0 U	4.0 U
Chromium	SW6010D	--	--	--	10 U	10 U
Lead	SW6010D	--	--	--	100 U	100 U
Mercury	SW7470A	--	--	--	0.20 U	0.20 U
Selenium	SW6010D	--	--	--	100 U	100 U
Silver	SW6010D	--	--	--	10 U	10 U
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	5.0 U	5.0 U
1,2-Dichloroethane	SW8260D	--	--	--	5.0 U	5.0 U
Benzene	SW8260D	--	--	--	2.5 U	2.5 U
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	5.0 U	5.0 U
Chlorobenzene	SW8260D	--	--	--	5.0 U	5.0 U
Chloroform	SW8260D	--	--	--	5.0 U	5.0 U
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	100 U	100 U
Tetrachloroethene (PCE)	SW8260D	--	--	--	5.0 U	5.0 U
Trichloroethene (TCE)	SW8260D	--	--	--	5.0 U	5.0 U
Vinyl chloride	SW8260D	--	--	--	5.0 U	5.0 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-134-45-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-134-45-W-R-230424-2.5-2.83 4/24/2023 2.5–2.83 ft	SE-134-45-W-R-BD0001 4/24/2023 0.5–1 ft	SE-149-52-COMP-230424-00-03 4/24/2023 0–3 ft	SE-149-52-COMP-BD0001 4/24/2023 0–3 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	5.0 U	5.0 U
1,4-Dichlorobenzene	SW8270E	--	--	--	20 U	20 U
2,4,5-Trichlorophenol	SW8270E	--	--	--	50 U	50 U
2,4,6-Trichlorophenol	SW8270E	--	--	--	50 U	50 U
2,4-Dinitrotoluene	SW8270E	--	--	--	20 U	20 U
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	20 U	20 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	20 U	20 U
Hexachlorobenzene	SW8270E	--	--	--	20 U	20 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	10 U	10 U
Hexachloroethane	SW8270E	--	--	--	50 U	50 U
Nitrobenzene	SW8270E	--	--	--	20 U	20 U
Pentachlorophenol	SW8270E	--	--	--	100 U	100 U
Pyridine	SW8270E	--	--	--	20 U	20 U
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	3.3 U	3.3 U
Endrin	SW8081B	--	--	--	0.067 U	0.067 U
Heptachlor	SW8081B	--	--	--	0.067 U	0.067 U
Heptachlor epoxide	SW8081B	--	--	--	0.067 U	0.067 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	0.067 U	0.067 U
Methoxychlor	SW8081B	--	--	--	0.13 U	0.13 U
Toxaphene	SW8081B	--	--	--	1.7 U	1.7 U
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	1.0 U	1.0 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	3.3 U	3.3 U
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.022 U	0.020 U	1.1 U	--	--
Aroclor 1221	SW8082A	0.022 U	0.020 U	1.1 U	--	--
Aroclor 1232	SW8082A	0.022 U	0.020 U	1.1 U	--	--
Aroclor 1242	SW8082A	0.022 U	0.020 U	1.1 U	--	--
Aroclor 1248	SW8082A	0.022 U	0.020 U	1.1 U	--	--
Aroclor 1254	SW8082A	0.022 U	0.020 U	1.1 U	--	--
Aroclor 1260	SW8082A	0.0487	0.0086 J	121 J	--	--
Total PCB Aroclors (U = 0 max limit)		0.0487	0.0086 J	121 J	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-C-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-149-52-C-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-149-52-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-149-52-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-149-52-C-R-230424-1.5-02 4/24/2023 1.5–2 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.178 J	1.1	0.268	0.111	0.0846
Total solids	SM2540G	79.2	72	87.6	88.9	88.4
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-C-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-149-52-C-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-149-52-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-149-52-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-149-52-C-R-230424-1.5-02 4/24/2023 1.5–2 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.025 U	0.026 U	0.022 U	0.021 U	0.023 U
Aroclor 1221	SW8082A	0.025 U	0.026 U	0.022 U	0.021 U	0.023 U
Aroclor 1232	SW8082A	0.025 U	0.026 U	0.022 U	0.021 U	0.023 U
Aroclor 1242	SW8082A	0.025 U	0.026 U	0.022 U	0.021 U	0.023 U
Aroclor 1248	SW8082A	0.025 U	0.026 U	0.022 U	0.021 U	0.023 U
Aroclor 1254	SW8082A	0.025 U	0.026 U	0.022 U	0.021 U	0.023 U
Aroclor 1260	SW8082A	1.33	3.36	2.43	0.0635	1.08
Total PCB Aroclors (U = 0 max limit)		1.33	3.36	2.43	0.0635	1.08

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-C-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-149-52-E-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-149-52-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-149-52-E-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-149-52-E-R-230424-02-2.5 4/24/2023 2–2.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.049	0.397	0.389	1.63	2.33
Total solids	SM2540G	90.1	83	59.3	72.8	78.4
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-C-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-149-52-E-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-149-52-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-149-52-E-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-149-52-E-R-230424-02-2.5 4/24/2023 2–2.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.022 U	0.023 U	0.031 U	0.027 U	0.024 U
Aroclor 1221	SW8082A	0.022 U	0.023 U	0.031 U	0.027 U	0.024 U
Aroclor 1232	SW8082A	0.022 U	0.023 U	0.031 U	0.027 U	0.024 U
Aroclor 1242	SW8082A	0.022 U	0.023 U	0.031 U	0.027 U	0.024 U
Aroclor 1248	SW8082A	0.022 U	0.023 U	0.031 U	0.027 U	0.024 U
Aroclor 1254	SW8082A	0.022 U	0.023 U	0.031 U	0.027 U	0.024 U
Aroclor 1260	SW8082A	0.0128 J	0.959	0.691	2.96	1.29
Total PCB Aroclors (U = 0 max limit)		0.0128 J	0.959	0.691	2.96	1.29

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-E-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-149-52-E-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-149-52-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-149-52-W-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-149-52-W-R-230424-01-1.5 4/24/2023 1–1.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.184	0.764 J	0.96 J	0.972 J	3.37 J
Total solids	SM2540G	77.3	72.5	66.3	70.7	48.8
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-E-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-149-52-E-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-149-52-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-149-52-W-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-149-52-W-R-230424-01-1.5 4/24/2023 1–1.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.024 U	0.027 U	0.030 U	0.028 U	0.040 U
Aroclor 1221	SW8082A	0.024 U	0.027 U	0.030 U	0.028 U	0.040 U
Aroclor 1232	SW8082A	0.024 U	0.027 U	0.030 U	0.028 U	0.040 U
Aroclor 1242	SW8082A	0.024 U	0.027 U	0.030 U	0.028 U	0.040 U
Aroclor 1248	SW8082A	0.024 U	0.027 U	0.030 U	0.028 U	0.040 U
Aroclor 1254	SW8082A	0.024 U	0.027 U	0.030 U	0.028 U	0.040 U
Aroclor 1260	SW8082A	2.91	0.426	2.57	3.09	1.38
Total PCB Aroclors (U = 0 max limit)		2.91	0.426	2.57	3.09	1.38

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-W-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-149-52-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-149-52-W-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-149-52-W-R-BD0001 4/24/2023 2.5–3 ft	SE-182-31-COMP-230424-00-03 4/24/2023 0–3 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.572 J	1.19 J	0.536 J	0.452 J	--
Total solids	SM2540G	72.3	63.7	69.7	71.9	--
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	100 U
Barium	SW6010D	--	--	--	--	200 U
Cadmium	SW6010D	--	--	--	--	4.0 U
Chromium	SW6010D	--	--	--	--	10 U
Lead	SW6010D	--	--	--	--	100 U
Mercury	SW7470A	--	--	--	--	0.20 U
Selenium	SW6010D	--	--	--	--	100 U
Silver	SW6010D	--	--	--	--	10 U
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	5.0 U
1,2-Dichloroethane	SW8260D	--	--	--	--	5.0 U
Benzene	SW8260D	--	--	--	--	2.5 U
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	5.0 U
Chlorobenzene	SW8260D	--	--	--	--	5.0 U
Chloroform	SW8260D	--	--	--	--	5.0 U
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	100 U
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	5.0 U
Trichloroethene (TCE)	SW8260D	--	--	--	--	5.0 U
Vinyl chloride	SW8260D	--	--	--	--	5.0 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-149-52-W-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-149-52-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-149-52-W-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-149-52-W-R-BD0001 4/24/2023 2.5–3 ft	SE-182-31-COMP-230424-00-03 4/24/2023 0–3 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	5.0 U
1,4-Dichlorobenzene	SW8270E	--	--	--	--	20 U
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	50 U
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	50 U
2,4-Dinitrotoluene	SW8270E	--	--	--	--	20 U
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	20 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	20 U
Hexachlorobenzene	SW8270E	--	--	--	--	20 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	10 U
Hexachloroethane	SW8270E	--	--	--	--	50 U
Nitrobenzene	SW8270E	--	--	--	--	20 U
Pentachlorophenol	SW8270E	--	--	--	--	100 U
Pyridine	SW8270E	--	--	--	--	20 U
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	3.3 U
Endrin	SW8081B	--	--	--	--	0.067 U
Heptachlor	SW8081B	--	--	--	--	0.067 U
Heptachlor epoxide	SW8081B	--	--	--	--	0.067 U
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	0.067 U
Methoxychlor	SW8081B	--	--	--	--	0.13 U
Toxaphene	SW8081B	--	--	--	--	1.7 U
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	1.0 U
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	3.3 U
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.028 U	0.031 U	0.028 U	0.027 U	--
Aroclor 1221	SW8082A	0.028 U	0.031 U	0.028 U	0.027 U	--
Aroclor 1232	SW8082A	0.028 U	0.031 U	0.028 U	0.027 U	--
Aroclor 1242	SW8082A	0.028 U	0.031 U	0.028 U	0.027 U	--
Aroclor 1248	SW8082A	0.028 U	0.031 U	0.028 U	0.027 U	--
Aroclor 1254	SW8082A	0.028 U	0.031 U	0.028 U	0.027 U	--
Aroclor 1260	SW8082A	7.31	1.31	66.6 J	1.87 J	--
Total PCB Aroclors (U = 0 max limit)		7.31	1.31	66.6 J	1.87 J	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-C-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-182-31-C-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-182-31-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-182-31-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-182-31-C-R-230424-1.5-02 4/24/2023 1.5–2 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.474 J	0.224 J	0.469 J	1.94 J	0.166 J
Total solids	SM2540G	81.2	80.8	84	68.5	85.2
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-C-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-182-31-C-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-182-31-C-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-182-31-C-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-182-31-C-R-230424-1.5-02 4/24/2023 1.5–2 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.025 U	0.024 U	0.022 U	0.026 U	0.023 U
Aroclor 1221	SW8082A	0.025 U	0.024 U	0.022 U	0.026 U	0.023 U
Aroclor 1232	SW8082A	0.025 U	0.024 U	0.022 U	0.026 U	0.023 U
Aroclor 1242	SW8082A	0.025 U	0.024 U	0.022 U	0.026 U	0.023 U
Aroclor 1248	SW8082A	0.025 U	0.024 U	0.022 U	0.026 U	0.023 U
Aroclor 1254	SW8082A	0.025 U	0.024 U	0.022 U	0.026 U	0.023 U
Aroclor 1260	SW8082A	3.81	0.655	0.588	6.23	5.24
Total PCB Aroclors (U = 0 max limit)		3.81	0.655	0.588	6.23	5.24

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-C-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-182-31-C-R-BD0001 4/24/2023 2.5–3 ft	SE-182-31-E-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-182-31-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-182-31-E-R-230424-01-1.5 4/24/2023 1–1.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	2.02 J	5.64 J	2.54 J	0.136 J	3.13 J
Total solids	SM2540G	72.7	63.8	53.1	90.1	63.3
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-C-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-182-31-C-R-BD0001 4/24/2023 2.5–3 ft	SE-182-31-E-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-182-31-E-R-230424-00-0.5 4/24/2023 0–0.5 ft	SE-182-31-E-R-230424-01-1.5 4/24/2023 1–1.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.025 U	0.029 U	0.035 U	0.020 U	0.030 U
Aroclor 1221	SW8082A	0.025 U	0.029 U	0.035 U	0.020 U	0.030 U
Aroclor 1232	SW8082A	0.025 U	0.029 U	0.035 U	0.020 U	0.030 U
Aroclor 1242	SW8082A	0.025 U	0.029 U	0.035 U	0.020 U	0.030 U
Aroclor 1248	SW8082A	0.025 U	0.029 U	0.035 U	0.020 U	0.030 U
Aroclor 1254	SW8082A	0.025 U	0.029 U	0.035 U	0.020 U	0.030 U
Aroclor 1260	SW8082A	1.12 J	2.2 J	4.77	0.275	133
Total PCB Aroclors (U = 0 max limit)		1.12 J	2.2 J	4.77	0.275	133

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-E-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-182-31-E-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-182-31-E-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-182-31-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-182-31-W-R-230424-00-0.5 4/24/2023 0–0.5 ft
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.38 J	6.76 J	0.2 J	0.0737 J	0.226 J
Total solids	SM2540G	85.5	49.8	73.2	79.5	84
Metals (SW1311) (µg/L)						
Arsenic	SW6010D	--	--	--	--	--
Barium	SW6010D	--	--	--	--	--
Cadmium	SW6010D	--	--	--	--	--
Chromium	SW6010D	--	--	--	--	--
Lead	SW6010D	--	--	--	--	--
Mercury	SW7470A	--	--	--	--	--
Selenium	SW6010D	--	--	--	--	--
Silver	SW6010D	--	--	--	--	--
Volatile Organics (SW1311) (µg/L)						
1,1-Dichloroethene	SW8260D	--	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--	--
Benzene	SW8260D	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--	--
Chloroform	SW8260D	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-E-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-182-31-E-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-182-31-E-R-230424-2.5-03 4/24/2023 2.5–3 ft	SE-182-31-W-R-230424-0.5-01 4/24/2023 0.5–1 ft	SE-182-31-W-R-230424-00-0.5 4/24/2023 0–0.5 ft
Semivolatile Organics (SW1311) (µg/L)						
1,4-Dichlorobenzene	SW8260D	--	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--	--
Pyridine	SW8270E	--	--	--	--	--
Pesticides (SW1311) (µg/L)						
Chlordane (technical)	SW8081B	--	--	--	--	--
Endrin	SW8081B	--	--	--	--	--
Heptachlor	SW8081B	--	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--	--
Toxaphene	SW8081B	--	--	--	--	--
Herbicides (SW1311) (µg/L)						
2,4,5-TP (Silvex)	SW8151A	--	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.021 U	0.039 U	0.027 U	0.024 U	0.024 U
Aroclor 1221	SW8082A	0.021 U	0.039 U	0.027 U	0.024 U	0.024 U
Aroclor 1232	SW8082A	0.021 U	0.039 U	0.027 U	0.024 U	0.024 U
Aroclor 1242	SW8082A	0.021 U	0.039 U	0.027 U	0.024 U	0.024 U
Aroclor 1248	SW8082A	0.021 U	0.039 U	0.027 U	0.024 U	0.024 U
Aroclor 1254	SW8082A	0.021 U	0.039 U	0.027 U	0.024 U	0.024 U
Aroclor 1260	SW8082A	0.116	1.16	0.0134 J	0.862	0.414
Total PCB Aroclors (U = 0 max limit)		0.116	1.16	0.0134 J	0.862	0.414

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-W-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-182-31-W-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-182-31-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-182-31-W-R-230424-2.5-03 4/24/2023 2.5–3 ft
Conventional Parameters (percent)					
Total organic carbon	Lloyd Kahn	0.173 J	0.494 J	0.16 J	0.129 J
Total solids	SM2540G	91.7	75.1	78.5	82
Metals (SW1311) (µg/L)					
Arsenic	SW6010D	--	--	--	--
Barium	SW6010D	--	--	--	--
Cadmium	SW6010D	--	--	--	--
Chromium	SW6010D	--	--	--	--
Lead	SW6010D	--	--	--	--
Mercury	SW7470A	--	--	--	--
Selenium	SW6010D	--	--	--	--
Silver	SW6010D	--	--	--	--
Volatile Organics (SW1311) (µg/L)					
1,1-Dichloroethene	SW8260D	--	--	--	--
1,2-Dichloroethane	SW8260D	--	--	--	--
Benzene	SW8260D	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	SW8260D	--	--	--	--
Chlorobenzene	SW8260D	--	--	--	--
Chloroform	SW8260D	--	--	--	--
Methyl ethyl ketone (2-Butanone)	SW8260D	--	--	--	--
Tetrachloroethene (PCE)	SW8260D	--	--	--	--
Trichloroethene (TCE)	SW8260D	--	--	--	--
Vinyl chloride	SW8260D	--	--	--	--

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-182-31-W-R-230424-01-1.5 4/24/2023 1–1.5 ft	SE-182-31-W-R-230424-02-2.5 4/24/2023 2–2.5 ft	SE-182-31-W-R-230424-1.5-02 4/24/2023 1.5–2 ft	SE-182-31-W-R-230424-2.5-03 4/24/2023 2.5–3 ft
Semivolatile Organics (SW1311) (µg/L)					
1,4-Dichlorobenzene	SW8260D	--	--	--	--
1,4-Dichlorobenzene	SW8270E	--	--	--	--
2,4,5-Trichlorophenol	SW8270E	--	--	--	--
2,4,6-Trichlorophenol	SW8270E	--	--	--	--
2,4-Dinitrotoluene	SW8270E	--	--	--	--
2-Methylphenol (o-Cresol)	SW8270E	--	--	--	--
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270E	--	--	--	--
Hexachlorobenzene	SW8270E	--	--	--	--
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270E	--	--	--	--
Hexachloroethane	SW8270E	--	--	--	--
Nitrobenzene	SW8270E	--	--	--	--
Pentachlorophenol	SW8270E	--	--	--	--
Pyridine	SW8270E	--	--	--	--
Pesticides (SW1311) (µg/L)					
Chlordane (technical)	SW8081B	--	--	--	--
Endrin	SW8081B	--	--	--	--
Heptachlor	SW8081B	--	--	--	--
Heptachlor epoxide	SW8081B	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)	SW8081B	--	--	--	--
Methoxychlor	SW8081B	--	--	--	--
Toxaphene	SW8081B	--	--	--	--
Herbicides (SW1311) (µg/L)					
2,4,5-TP (Silvex)	SW8151A	--	--	--	--
2,4-D (2,4-Dichlorophenoxyacetic acid)	SW8151A	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.022 U	0.023 U	0.025 U	0.023 U
Aroclor 1221	SW8082A	0.022 U	0.023 U	0.025 U	0.023 U
Aroclor 1232	SW8082A	0.022 U	0.023 U	0.025 U	0.023 U
Aroclor 1242	SW8082A	0.022 U	0.023 U	0.025 U	0.023 U
Aroclor 1248	SW8082A	0.022 U	0.023 U	0.025 U	0.023 U
Aroclor 1254	SW8082A	0.022 U	0.023 U	0.025 U	0.023 U
Aroclor 1260	SW8082A	4.11	0.0170 J	0.0210 J	0.023 U
Total PCB Aroclors (U = 0 max limit)		4.11	0.0170 J	0.0210 J	0.0051 U

Table E-4
Summary of 2023 PDI River Sediment Supplemental Sampling Results

Notes:

Bold: Detected result

µg/L: microgram per liter

ft: foot

J: Estimated value

mg/kg: milligram per kilogram

U: Compound analyzed for, but not detected above detection limit

UJ: Compound analyzed for, but not detected above estimated detection limit

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-A-B-4-220927-00-01 9/27/2022 0–1 ft	SE-BW5A-1-B-3-4-220927-00-01 9/27/2022 0–1 ft	SE-BW5A-1-B-4-220927-00-01 9/27/2022 0–1 ft	SE-BW5A-1-B-C-2-3-220927-00-01 9/27/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.76	4.36 J	4.54 J	4.56 J
Total solids	SM2540G	69.4	60.4	61.7	51.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.043 U	0.054 U	0.048 U	0.058 U
Aroclor 1221	SW8082A	0.043 U	0.054 U	0.048 U	0.058 U
Aroclor 1232	SW8082A	0.043 U	0.054 U	0.048 U	0.058 U
Aroclor 1242	SW8082A	0.043 U	0.054 U	0.048 U	0.058 U
Aroclor 1248	SW8082A	0.043 U	0.054 U	0.048 U	0.058 U
Aroclor 1254	SW8082A	8.09	12.1	11.2	5.98
Aroclor 1260	SW8082A	14.9	44	35.5	16.2
Total PCB Aroclors (U = 0 max limit)		23	56	46.7	22.2

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-B-C-8-9-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-C-2-220928-00-01 9/28/2022 0–1 ft	SE-BW5A-1-C-7-220926-00-01 9/26/2022 0–1 ft	SE-BW5A-1-C-7-8-220926-00-0.87 9/26/2022 0–0.87 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.08 J	6.09 J	2.56	6.78
Total solids	SM2540G	54.4	47.7	49.3	30
Conventional Parameters (lb/ft ³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.060 U	0.062 U	0.063 U	0.11 U
Aroclor 1221	SW8082A	0.060 U	0.062 U	0.063 U	0.11 U
Aroclor 1232	SW8082A	0.060 U	0.062 U	0.063 U	0.11 U
Aroclor 1242	SW8082A	0.060 U	0.062 U	0.063 U	0.11 U
Aroclor 1248	SW8082A	0.060 U	0.062 U	0.063 U	0.11 U
Aroclor 1254	SW8082A	11.6	6.1	1.27	11.5
Aroclor 1260	SW8082A	18.6	9.12	3.37	31.6
Total PCB Aroclors (U = 0 max limit)		30.2	15	4.64	43.1

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-C-7-8-BD0001 9/26/2022 0–0.87 ft	SE-BW5A-1-C-D-2-220928-00-01 9/28/2022 0–1 ft	SE-BW5A-1-C-D-2-3-220928-00-01 9/28/2022 0–1 ft	SE-BW5A-1-C-D-5-6-220927-00-01 9/27/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	10.9	7.72 J	3.66 J	4.53 J
Total solids	SM2540G	30.4	44.5	53.4	54.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.11 U	0.073 U	0.062 U	0.055 U
Aroclor 1221	SW8082A	0.11 U	0.073 U	0.062 U	0.055 U
Aroclor 1232	SW8082A	0.11 U	0.073 U	0.062 U	0.055 U
Aroclor 1242	SW8082A	0.11 U	0.073 U	0.062 U	0.055 U
Aroclor 1248	SW8082A	0.11 U	0.073 U	0.062 U	0.055 U
Aroclor 1254	SW8082A	12.1	19.4	5.56	1.41
Aroclor 1260	SW8082A	32.8	23.2	11.9	3.23
Total PCB Aroclors (U = 0 max limit)		44.9	42.6	17.5	4.64

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-C-D-6-7-220926-00-0.98 9/26/2022 0–0.98 ft	SE-BW5A-1-C-D-7-8-220926-00-0.95 9/26/2022 0–0.95 ft	SE-BW5A-1-C-D-8-9-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-C-D-8-9-BD0001 9/23/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	12.4	11.7	10.2 J	8.29 J
Total solids	SM2540G	36.5	40.3	41.4	44.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.088 U	0.079 U	0.079 U	0.072 U
Aroclor 1221	SW8082A	0.088 U	0.079 U	0.079 U	0.072 U
Aroclor 1232	SW8082A	0.088 U	0.079 U	0.079 U	0.072 U
Aroclor 1242	SW8082A	0.088 U	0.079 U	0.079 U	0.072 U
Aroclor 1248	SW8082A	0.088 U	0.079 U	0.079 U	0.072 U
Aroclor 1254	SW8082A	7.36	19.1	8.13 J	16.6 J
Aroclor 1260	SW8082A	15.2	49.6	27.3 J	98.9 J
Total PCB Aroclors (U = 0 max limit)		22.6	68.7	35.4 J	116 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-C-D-8-9-G-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-D-3-4-220927-00-01 9/27/2022 0–1 ft	SE-BW5A-1-D-4-5-220927-00-01 9/27/2022 0–1 ft	SE-BW5A-1-D-5-220927-00-01 9/27/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	--	8.64 J	6.76 J	5.87 J
Total solids	SM2540G	--	32.9	49.5	47.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	0.45	--	--	--
Percent passing (hydrometer 1)	D422	62	--	--	--
Percent passing (hydrometer 2)	D422	16	--	--	--
Percent passing (hydrometer 3)	D422	0	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	81.9	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	97.4	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	99.6	--	--	--
Percent passing 50-micron sieve	D422	87	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	73.8	--	--	--
Percent passing 8.0 micron	D422	98.2	--	--	--
Percent retained 16,000-micron sieve	D422	97.2	--	--	--
Percent retained 30-micron sieve	D422	91.6	--	--	--
Sand	D422	25.8	--	--	--
Silt	D422	73.8	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	--	0.097 U	0.064 U	0.062 U
Aroclor 1221	SW8082A	--	0.097 U	0.064 U	0.062 U
Aroclor 1232	SW8082A	--	0.097 U	0.064 U	0.062 U
Aroclor 1242	SW8082A	--	0.097 U	0.064 U	0.062 U
Aroclor 1248	SW8082A	--	0.097 U	0.064 U	0.062 U
Aroclor 1254	SW8082A	--	2.38	2.14	3.43
Aroclor 1260	SW8082A	--	5.79	3.49	10.9
Total PCB Aroclors (U = 0 max limit)		--	8.17	5.63	14.3

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-D-E-2-220928-00-0.84 9/28/2022 0–0.84 ft	SE-BW5A-1-D-E-2G-220928-00-0.84 9/28/2022 0–0.84 ft	SE-BW5A-1-D-E-2-3-220928-00-01 9/28/2022 0–1 ft	SE-BW5A-1-D-E-3-4-220927-00-0.86 9/27/2022 0–0.86 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	77.6	--	--
Total organic carbon	Lloyd Kahn	3.99 J	--	6.78 J	6.37 J
Total solids	SM2540G	49.5	--	31.8	52.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	0	--	--
Percent passing (hydrometer 1)	D422	--	48	--	--
Percent passing (hydrometer 2)	D422	--	12	--	--
Percent passing (hydrometer 3)	D422	--	5	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	77.2	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--
Percent passing 50-micron sieve	D422	--	91.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	63.2	--	--
Percent passing 8.0 micron	D422	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	99.1	--	--
Percent retained 30-micron sieve	D422	--	95	--	--
Sand	D422	--	36.8	--	--
Silt	D422	--	63.2	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.065 U	--	0.10 U	0.057 U
Aroclor 1221	SW8082A	0.065 U	--	0.10 U	0.057 U
Aroclor 1232	SW8082A	0.065 U	--	0.10 U	0.057 U
Aroclor 1242	SW8082A	0.065 U	--	0.10 U	0.057 U
Aroclor 1248	SW8082A	0.065 U	--	0.10 U	0.057 U
Aroclor 1254	SW8082A	4.37	--	1.19	5.05
Aroclor 1260	SW8082A	11	--	2.46	12
Total PCB Aroclors (U = 0 max limit)		15	--	3.65	17

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-D-E-4-5-220927-00-01 9/27/2022 0–1 ft	SE-BW5A-1-D-E-4-5G-220927-00-01 9/27/2022 0–1 ft	SE-BW5A-1-D-E-6-7-220926-00-01 9/26/2022 0–1 ft	SE-BW5A-1-D-E-7-8-220926-00-0.95 9/26/2022 0–0.95 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	164	--	--
Total organic carbon	Lloyd Kahn	8.75 J	--	9.22	6.71
Total solids	SM2540G	34.7	--	34.6	54.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	0.22	--	--
Percent passing (hydrometer 1)	D422	--	54	--	--
Percent passing (hydrometer 2)	D422	--	13	--	--
Percent passing (hydrometer 3)	D422	--	5	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	74.2	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--
Percent passing 50-micron sieve	D422	--	73.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	58.9	--	--
Percent passing 8.0 micron	D422	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	99.9	--	--
Percent retained 30-micron sieve	D422	--	98.1	--	--
Sand	D422	--	41.1	--	--
Silt	D422	--	58.7	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.091 U	--	0.093 U	0.054 U
Aroclor 1221	SW8082A	0.091 U	--	0.093 U	0.054 U
Aroclor 1232	SW8082A	0.091 U	--	0.093 U	0.054 U
Aroclor 1242	SW8082A	0.091 U	--	0.093 U	0.054 U
Aroclor 1248	SW8082A	0.091 U	--	0.093 U	0.054 U
Aroclor 1254	SW8082A	2.85	--	3.31	8.01
Aroclor 1260	SW8082A	6.91	--	9.67	15.1
Total PCB Aroclors (U = 0 max limit)		9.76	--	13	23.1

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-D-E-7-8-G-220926-00-0.95 9/26/2022 0–0.95 ft	SE-BW5A-1-D-E-8-9-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-D-E-9-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-E-F-2-220928-00-0.58 9/28/2022 0–0.58 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	73.0 J	--	--	--
Total organic carbon	Lloyd Kahn	--	9.05 J	10.2 J	2.35 J
Total solids	SM2540G	--	39.9	53.3	50.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	0.05	--	--	--
Percent passing (hydrometer 1)	D422	58	--	--	--
Percent passing (hydrometer 2)	D422	26	--	--	--
Percent passing (hydrometer 3)	D422	7.5	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	90.6	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	99.1	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--
Percent passing 50-micron sieve	D422	96.4	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	77.6	--	--	--
Percent passing 8.0 micron	D422	99.6	--	--	--
Percent retained 16,000-micron sieve	D422	99	--	--	--
Percent retained 30-micron sieve	D422	98	--	--	--
Sand	D422	22.4	--	--	--
Silt	D422	77.6	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	--	0.078 U	0.058 U	0.060 U
Aroclor 1221	SW8082A	--	0.078 U	0.058 U	0.060 U
Aroclor 1232	SW8082A	--	0.078 U	0.058 U	0.060 U
Aroclor 1242	SW8082A	--	0.078 U	0.058 U	0.060 U
Aroclor 1248	SW8082A	--	0.078 U	0.058 U	0.060 U
Aroclor 1254	SW8082A	--	3.53	19	0.781
Aroclor 1260	SW8082A	--	17	47.3	2.12
Total PCB Aroclors (U = 0 max limit)		--	21	66	2.9

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-E-F-2-3-220928-00-01 9/28/2022 0–1 ft	SE-BW5A-1-E-F-2-3-BD0001 9/28/2022 0–1 ft	SE-BW5A-1-E-F-3-4-220928-00-01 9/28/2022 0–1 ft	SE-BW5A-1-E-F-6-7-220926-00-01 9/26/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	8.24 J	5.63 J	9.62 J	2.98 J
Total solids	SM2540G	20.6	24.8	15.9	52.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.14 U	0.13 U	0.19 U	0.060 U
Aroclor 1221	SW8082A	0.14 U	0.13 U	0.19 U	0.060 U
Aroclor 1232	SW8082A	0.14 U	0.13 U	0.19 U	0.060 U
Aroclor 1242	SW8082A	0.14 U	0.13 U	0.19 U	0.060 U
Aroclor 1248	SW8082A	0.14 U	0.13 U	0.19 U	0.060 U
Aroclor 1254	SW8082A	2.39 J	3.68	1.72	1.53
Aroclor 1260	SW8082A	5.13	6.99	4.41	7.06
Total PCB Aroclors (U = 0 max limit)		7.52 J	10.7	6.13	8.59

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-BW5A-1-E-F-7-8-220926-00-01 9/26/2022 0–1 ft	SE-BW5A-1-E-F-8-9-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-E-F-9-10-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-F-12-220928-00-01 9/28/2022 0–1 ft
Chemical					
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.83 J	10.1 J	8.2 J	1.61 J
Total solids	SM2540G	42.6	34.2	45	68.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.073 U	0.094 U	0.071 U	0.047 U
Aroclor 1221	SW8082A	0.073 U	0.094 U	0.071 U	0.047 U
Aroclor 1232	SW8082A	0.073 U	0.094 U	0.071 U	0.047 U
Aroclor 1242	SW8082A	0.073 U	0.094 U	0.071 U	0.047 U
Aroclor 1248	SW8082A	0.073 U	0.094 U	0.071 U	0.047 U
Aroclor 1254	SW8082A	2.84	2.29 J	8.64	0.784
Aroclor 1260	SW8082A	7.18	8.77	34.1	4.79
Total PCB Aroclors (U = 0 max limit)		10	11.1 J	42.7	5.57

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-F-13-220928-00-0.63 9/28/2022 0–0.63 ft	SE-BW5A-1-F-2-220928-00-0.75 9/28/2022 0–0.75 ft	SE-BW5A-1-F-5-6-220926-00-0.86 9/26/2022 0–0.86 ft	SE-BW5A-1-F-6-220926-00-0.84 9/26/2022 0–0.84 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.4	3.91	2.01 J	1.38 J
Total solids	SM2540G	66.1	53	52.1	49.4
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.046 U	0.059 U	0.058 U	0.064 U
Aroclor 1221	SW8082A	0.046 U	0.059 U	0.058 U	0.064 U
Aroclor 1232	SW8082A	0.046 U	0.059 U	0.058 U	0.064 U
Aroclor 1242	SW8082A	0.046 U	0.059 U	0.058 U	0.064 U
Aroclor 1248	SW8082A	0.046 U	0.059 U	0.058 U	0.064 U
Aroclor 1254	SW8082A	1.09	0.806	0.249	0.598
Aroclor 1260	SW8082A	2.3	1.68	1.11	2.28
Total PCB Aroclors (U = 0 max limit)		3.4	2.49	1.36	2.88

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-F-6-G-220926-00-0.84 9/26/2022 0–0.84 ft	SE-BW5A-1-F-8-220926-00-01 9/26/2022 0–1 ft	SE-BW5A-1-F-8-9-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-F-G-10-11-220923-00-01 9/23/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	99.1 J	--	--	--
Total organic carbon	Lloyd Kahn	--	4.99 J	13.7 J	7.14 J
Total solids	SM2540G	--	38.8	22.8	38.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	0.33	--	--	--
Percent passing (hydrometer 1)	D422	56	--	--	--
Percent passing (hydrometer 2)	D422	16	--	--	--
Percent passing (hydrometer 3)	D422	0	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	99.9	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	84.1	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	99	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	99.7	--	--	--
Percent passing 50-micron sieve	D422	94.7	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	72.7	--	--	--
Percent passing 8.0 micron	D422	99.3	--	--	--
Percent retained 16,000-micron sieve	D422	98.9	--	--	--
Percent retained 30-micron sieve	D422	97	--	--	--
Sand	D422	26.9	--	--	--
Silt	D422	72.7	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	--	0.076 U	0.14 U	0.080 U
Aroclor 1221	SW8082A	--	0.076 U	0.14 U	0.080 U
Aroclor 1232	SW8082A	--	0.076 U	0.14 U	0.080 U
Aroclor 1242	SW8082A	--	0.076 U	0.14 U	0.080 U
Aroclor 1248	SW8082A	--	0.076 U	0.14 U	0.080 U
Aroclor 1254	SW8082A	--	3.37	4.12	1.22
Aroclor 1260	SW8082A	--	6.74	8.23	3.54
Total PCB Aroclors (U = 0 max limit)		--	10.1	12.4	4.76

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-F-G-10-11-G-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-F-G-11-12-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-F-G-2-3-220928-00-01 9/28/2022 0–1 ft	SE-BW5A-1-F-G-3-4-220928-00-0.52 9/28/2022 0–0.52 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	--	5.57 J	3.5	19.3
Total solids	SM2540G	--	52.5	40.6	13.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	0	--	--	--
Percent passing (hydrometer 1)	D422	44	--	--	--
Percent passing (hydrometer 2)	D422	12	--	--	--
Percent passing (hydrometer 3)	D422	5.6	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	79.9	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	99.8	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--
Percent passing 50-micron sieve	D422	93.2	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	62	--	--	--
Percent passing 8.0 micron	D422	99.8	--	--	--
Percent retained 16,000-micron sieve	D422	99.6	--	--	--
Percent retained 30-micron sieve	D422	96.6	--	--	--
Sand	D422	38	--	--	--
Silt	D422	62	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	--	0.059 U	0.082 U	0.24 U
Aroclor 1221	SW8082A	--	0.059 U	0.082 U	0.24 U
Aroclor 1232	SW8082A	--	0.059 U	0.082 U	0.24 U
Aroclor 1242	SW8082A	--	0.059 U	0.082 U	0.24 U
Aroclor 1248	SW8082A	--	0.059 U	0.082 U	0.24 U
Aroclor 1254	SW8082A	--	1.9	1.52	3.78
Aroclor 1260	SW8082A	--	4.96	3.39	7.41
Total PCB Aroclors (U = 0 max limit)		--	6.9	4.91	11.2

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-F-G-4-5-220926-00-01 9/26/2022 0–1 ft	SE-BW5A-1-F-G-5-6-220926-00-01 9/26/2022 0–1 ft	SE-BW5A-1-F-G-9-10-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-G-10-11-220923-00-0.57 9/23/2022 0–0.57 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	5.15 J	8.72 J	10.4	4.83
Total solids	SM2540G	33.9	32.2	33.4	42.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.091 U	0.099 U	0.099 U	0.075 U
Aroclor 1221	SW8082A	0.091 U	0.099 U	0.099 U	0.075 U
Aroclor 1232	SW8082A	0.091 U	0.099 U	0.099 U	0.075 U
Aroclor 1242	SW8082A	0.091 U	0.099 U	0.099 U	0.075 U
Aroclor 1248	SW8082A	0.091 U	0.099 U	0.099 U	0.075 U
Aroclor 1254	SW8082A	3.49	6.8	2.63 J	1.05
Aroclor 1260	SW8082A	10	12.2	11.6	2.83
Total PCB Aroclors (U = 0 max limit)		13	19	14.2 J	3.88

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-G-11-12-220923-00-01 9/23/2022 0–1 ft	SE-BW5A-1-G-3-220928-00-0.4 9/28/2022 0–0.4 ft	SE-BW5A-1-G-3-4-220928-00-0.7 9/28/2022 0–0.7 ft	SE-BW5A-1-G-4-5-220926-00-01 9/26/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	6.15	23.2	13.9	13.1 J
Total solids	SM2540G	43.3	17.4	21.2	24.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.068 U	0.19 U	0.16 U	0.13 U
Aroclor 1221	SW8082A	0.068 U	0.19 U	0.16 U	0.13 U
Aroclor 1232	SW8082A	0.068 U	0.19 U	0.16 U	0.13 U
Aroclor 1242	SW8082A	0.068 U	0.19 U	0.16 U	0.13 U
Aroclor 1248	SW8082A	0.068 U	0.19 U	0.16 U	0.13 U
Aroclor 1254	SW8082A	1.34	9.47	5.33	3.79
Aroclor 1260	SW8082A	3.08	25.8	12.3	5.52
Total PCB Aroclors (U = 0 max limit)		4.42	35.3	17.6	9.31

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-1-G-4-5-G-220926-00-01 9/26/2022 0–1 ft	SE-BW5A-2-A-4-221010-00-01 10/10/2022 0–1 ft	SE-BW5A-2-A-4-221010-01-1.5 10/10/2022 1–1.5 ft	SE-BW5A-2-A-4-221010-02-2.31 10/10/2022 2–2.31 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	335 J	--	--	--
Total organic carbon	Lloyd Kahn	--	2.36 J	1.58 J	0.159 J
Total solids	SM2540G	--	44.8	72.5	76.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	4.4	--	--	--
Percent passing (hydrometer 1)	D422	54	--	--	--
Percent passing (hydrometer 2)	D422	20	--	--	--
Percent passing (hydrometer 3)	D422	0	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	96.5	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	67.1	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	90	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	95.6	--	--	--
Percent passing 50-micron sieve	D422	72.8	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	62.9	--	--	--
Percent passing 8.0 micron	D422	91.8	--	--	--
Percent retained 16,000-micron sieve	D422	89.6	--	--	--
Percent retained 30-micron sieve	D422	78.1	--	--	--
Sand	D422	32.7	--	--	--
Silt	D422	62.9	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	--	0.074 U	0.043 U	0.041 U
Aroclor 1221	SW8082A	--	0.074 U	0.043 U	0.041 U
Aroclor 1232	SW8082A	--	0.074 U	0.043 U	0.041 U
Aroclor 1242	SW8082A	--	0.074 U	0.043 U	0.041 U
Aroclor 1248	SW8082A	--	0.074 U	0.043 U	0.041 U
Aroclor 1254	SW8082A	--	4.29	2.72 J	5.94 J
Aroclor 1260	SW8082A	--	17.4	10.3	61.1
Total PCB Aroclors (U = 0 max limit)		--	21.7	13.0 J	67.0 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-A-4-221010-1.5-02 10/10/2022 1.5–2 ft	SE-BW5A-2-A-4-BD0001 10/10/2022 0–1 ft	SE-BW5A-2-A-B-3-221010-00-01 10/10/2022 0–1 ft	SE-BW5A-2-A-B-3-221010-01-1.5 10/10/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.86 J	3.02 J	1.4 J	0.315 J
Total solids	SM2540G	72.2	43.9	55.4	74.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.044 U	0.073 U	0.054 U	0.044 U
Aroclor 1221	SW8082A	0.044 U	0.073 U	0.054 U	0.044 U
Aroclor 1232	SW8082A	0.044 U	0.073 U	0.054 U	0.044 U
Aroclor 1242	SW8082A	0.044 U	0.073 U	0.054 U	0.044 U
Aroclor 1248	SW8082A	0.044 U	0.073 U	0.054 U	0.044 U
Aroclor 1254	SW8082A	2.7	3.36	4.46	0.22
Aroclor 1260	SW8082A	21.9	11.4	16	1.47
Total PCB Aroclors (U = 0 max limit)		25	14.8	20	1.7

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-A-B-3-221010-02-2.5 10/10/2022 2–2.5 ft	SE-BW5A-2-A-B-3-221010-1.5-02 10/10/2022 1.5–2 ft	SE-BW5A-2-A-B-5-221010-00-01 10/10/2022 0–1 ft	SE-BW5A-2-A-B-5-221010-01-1.5 10/10/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.172 J	0.362 J	5.1 J	2.01 J
Total solids	SM2540G	71.8	79.9	42.1	58.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.046 U	0.040 U	0.079 U	0.055 U
Aroclor 1221	SW8082A	0.046 U	0.040 U	0.079 U	0.055 U
Aroclor 1232	SW8082A	0.046 U	0.040 U	0.079 U	0.055 U
Aroclor 1242	SW8082A	0.046 U	0.040 U	0.079 U	0.055 U
Aroclor 1248	SW8082A	0.046 U	0.040 U	0.079 U	0.055 U
Aroclor 1254	SW8082A	0.046 U	0.040 U	3.77	10.1
Aroclor 1260	SW8082A	0.0222 J	0.040 U	11.3	44.9
Total PCB Aroclors (U = 0 max limit)		0.0222 J	0.04 U	15.1	55

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-A-B-5-221010-02-2.5 10/10/2022 2–2.5 ft	SE-BW5A-2-A-B-5-221010-1.5-02 10/10/2022 1.5–2 ft	SE-BW5A-2-A-B-5-221010-2.5-03 10/10/2022 2.5–3 ft	SE-BW5A-2-B-2-221010-00-01 10/10/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.32 J	0.293 J	0.569 J	1.93 J
Total solids	SM2540G	79.1	77.7	71.1	75.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.042 U	0.040 U	0.044 U	0.042 U
Aroclor 1221	SW8082A	0.042 U	0.040 U	0.044 U	0.042 U
Aroclor 1232	SW8082A	0.042 U	0.040 U	0.044 U	0.042 U
Aroclor 1242	SW8082A	0.042 U	0.040 U	0.044 U	0.042 U
Aroclor 1248	SW8082A	0.042 U	0.040 U	0.044 U	0.042 U
Aroclor 1254	SW8082A	6.77	1.84 J	1.85	1.52
Aroclor 1260	SW8082A	71.6	6.74	7.77	4.94
Total PCB Aroclors (U = 0 max limit)		78.4	8.58 J	9.62	6.46

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-B-2-221010-01-1.5 10/10/2022 1–1.5 ft	SE-BW5A-2-B-2-221010-02-2.5 10/10/2022 2–2.5 ft	SE-BW5A-2-B-2-221010-1.5-02 10/10/2022 1.5–2 ft	SE-BW5A-2-B-C-1-2-221011-00-01 10/11/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.422 J	5.73 J	0.515 J	1.9 J
Total solids	SM2540G	77.2	50.6	75.1	65.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.040 U	0.065 U	0.041 U	0.046 U
Aroclor 1221	SW8082A	0.040 U	0.065 U	0.041 U	0.046 U
Aroclor 1232	SW8082A	0.040 U	0.065 U	0.041 U	0.046 U
Aroclor 1242	SW8082A	0.040 U	0.065 U	0.041 U	0.046 U
Aroclor 1248	SW8082A	0.040 U	0.065 U	0.041 U	0.046 U
Aroclor 1254	SW8082A	2.14 J	18.7 J	1.19	2.29 J
Aroclor 1260	SW8082A	7.39	71.9	6.62	11.8
Total PCB Aroclors (U = 0 max limit)		9.53 J	90.6 J	7.81	14.1 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-B-C-1-2-221011-01-1.5 10/11/2022 1–1.5 ft	SE-BW5A-2-B-C-1-2-221011-02-2.5 10/11/2022 2–2.5 ft	SE-BW5A-2-B-C-1-2-221011-1.5-02 10/11/2022 1.5–2 ft	SE-BW5A-2-B-C-1-2-221011-2.5-2.83 10/11/2022 2.5–2.83 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.636 J	0.172 J	0.71 J	1.77 J
Total solids	SM2540G	79.4	71.9	70.7	72.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.038 U	0.042 U	0.044 U	0.042 U
Aroclor 1221	SW8082A	0.038 U	0.042 U	0.044 U	0.042 U
Aroclor 1232	SW8082A	0.038 U	0.042 U	0.044 U	0.042 U
Aroclor 1242	SW8082A	0.038 U	0.042 U	0.044 U	0.042 U
Aroclor 1248	SW8082A	0.038 U	0.042 U	0.044 U	0.042 U
Aroclor 1254	SW8082A	1.64	4.06	1.75	5.11
Aroclor 1260	SW8082A	11.3	35.7	12.3	49.2
Total PCB Aroclors (U = 0 max limit)		12.9	39.8	14.1	54.3

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-B-C-5-221010-00-01 10/10/2022 0–1 ft	SE-BW5A-2-B-C-5-221010-01-1.5 10/10/2022 1–1.5 ft	SE-BW5A-2-B-C-5-221010-02-2.3 10/10/2022 2–2.3 ft	SE-BW5A-2-B-C-5-221010-1.5-02 10/10/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	3.57 J	3.47 J	1.63 J	0.876 J
Total solids	SM2540G	52.8	59.2	66.3	77.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.061 U	0.055 U	0.046 U	0.041 U
Aroclor 1221	SW8082A	0.061 U	0.055 U	0.046 U	0.041 U
Aroclor 1232	SW8082A	0.061 U	0.055 U	0.046 U	0.041 U
Aroclor 1242	SW8082A	0.061 U	0.055 U	0.046 U	0.041 U
Aroclor 1248	SW8082A	0.061 U	0.055 U	0.046 U	0.041 U
Aroclor 1254	SW8082A	2.21	0.716	1.33 J	2.88
Aroclor 1260	SW8082A	6.76	4.9	5.85	26.3
Total PCB Aroclors (U = 0 max limit)		8.97	5.6	7.18 J	29.2

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-C-D-1-221011-00-01 10/11/2022 0–1 ft	SE-BW5A-2-C-D-1-221011-01-1.5 10/11/2022 1–1.5 ft	SE-BW5A-2-C-D-1-221011-02-2.5 10/11/2022 2–2.5 ft	SE-BW5A-2-C-D-1-221011-03-3.31 10/11/2022 3–3.31 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	3.71 J	0.84 J	0.321 J	1.72 J
Total solids	SM2540G	54.9	85	79.5	85.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.055 U	0.036 U	0.040 U	0.036 U
Aroclor 1221	SW8082A	0.055 U	0.036 U	0.040 U	0.036 U
Aroclor 1232	SW8082A	0.055 U	0.036 U	0.040 U	0.036 U
Aroclor 1242	SW8082A	0.055 U	0.036 U	0.040 U	0.036 U
Aroclor 1248	SW8082A	0.055 U	0.036 U	0.040 U	0.036 U
Aroclor 1254	SW8082A	1.56	2.11 J	1.24	1.51 J
Aroclor 1260	SW8082A	5.36	37.8	29.9	7.85 J
Total PCB Aroclors (U = 0 max limit)		6.92	39.9 J	31.1	9.36 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-C-D-1-221011-1.5-02 10/11/2022 1.5–2 ft	SE-BW5A-2-C-D-1-221011-2.5-03 10/11/2022 2.5–3 ft	SE-BW5A-2-C-D-5-6-221010-00-01 10/10/2022 0–1 ft	SE-BW5A-2-C-D-5-6-221010-01-1.5 10/10/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.399 J	0.34 J	2.98 J	1.78 J
Total solids	SM2540G	74.5	72	60.3	72.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.044 U	0.041 U	0.052 U	0.044 U
Aroclor 1221	SW8082A	0.044 U	0.041 U	0.052 U	0.044 U
Aroclor 1232	SW8082A	0.044 U	0.041 U	0.052 U	0.044 U
Aroclor 1242	SW8082A	0.044 U	0.041 U	0.052 U	0.044 U
Aroclor 1248	SW8082A	0.044 U	0.041 U	0.052 U	0.044 U
Aroclor 1254	SW8082A	2.6 J	2.7 J	0.837	0.376
Aroclor 1260	SW8082A	7.38 J	34.6	2.93	2.22
Total PCB Aroclors (U = 0 max limit)		10 J	37 J	3.77	2.6

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-C-D-5-6-221010-02-2.5 10/10/2022 2–2.5 ft	SE-BW5A-2-C-D-5-6-221010-1.5-02 10/10/2022 1.5–2 ft	SE-BW5A-2-C-D-5-6-221010-2.5-03 10/10/2022 2.5–3 ft	SE-BW5A-2-C-D-5-6G-221010-00-03 10/10/2022 0–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	55
Total organic carbon	Lloyd Kahn	2.66 J	2.55 J	0.182 J	--
Total solids	SM2540G	57	59	79.9	--
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	6.5
Percent passing (hydrometer 1)	D422	--	--	--	14
Percent passing (hydrometer 2)	D422	--	--	--	6
Percent passing (hydrometer 3)	D422	--	--	--	3
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	47.8
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100
Percent passing 50-micron sieve	D422	--	--	--	87.4
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	28.1
Percent passing 8.0 micron	D422	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	99.8
Percent retained 30-micron sieve	D422	--	--	--	98.4
Sand	D422	--	--	--	71.9
Silt	D422	--	--	--	28.1
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.058 U	0.051 U	0.039 U	--
Aroclor 1221	SW8082A	0.058 U	0.051 U	0.039 U	--
Aroclor 1232	SW8082A	0.058 U	0.051 U	0.039 U	--
Aroclor 1242	SW8082A	0.058 U	0.051 U	0.039 U	--
Aroclor 1248	SW8082A	0.058 U	0.051 U	0.039 U	--
Aroclor 1254	SW8082A	0.525	0.723	0.039 U	--
Aroclor 1260	SW8082A	2.88	6.24	0.0637	--
Total PCB Aroclors (U = 0 max limit)		3.41	6.96	0.0637	--

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-D-1-2-221011-00-01 10/11/2022 0–1 ft	SE-BW5A-2-D-1-2-221011-01-1.5 10/11/2022 1–1.5 ft	SE-BW5A-2-D-1-2-221011-02-2.5 10/11/2022 2–2.5 ft	SE-BW5A-2-D-1-2-221011-1.5-02 10/11/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	3.93 J	1.31 J	7.53 J	4.18 J
Total solids	SM2540G	50.5	76.1	37.8	46.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.061 U	0.042 U	0.081 U	0.065 U
Aroclor 1221	SW8082A	0.061 U	0.042 U	0.081 U	0.065 U
Aroclor 1232	SW8082A	0.061 U	0.042 U	0.081 U	0.065 U
Aroclor 1242	SW8082A	0.061 U	0.042 U	0.081 U	0.065 U
Aroclor 1248	SW8082A	0.061 U	0.042 U	0.081 U	0.065 U
Aroclor 1254	SW8082A	1.93	17.6 J	1.6 J	0.728
Aroclor 1260	SW8082A	12.4	146	13.4	6.19
Total PCB Aroclors (U = 0 max limit)		14.3	164 J	15 J	6.92

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-D-1-2-221011-2.5-03 10/11/2022 2.5–3 ft	SE-BW5A-2-D-1-2-BD0001 10/11/2022 0–1 ft	SE-BW5A-2-D-5-221010-00-01 10/10/2022 0–1 ft	SE-BW5A-2-D-5-221010-01-1.5 10/10/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	5.7 J	2.96 J	2.22 J	1.58 J
Total solids	SM2540G	68.9	48.5	61.8	66.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.046 U	0.061 U	0.049 U	0.047 U
Aroclor 1221	SW8082A	0.046 U	0.061 U	0.049 U	0.047 U
Aroclor 1232	SW8082A	0.046 U	0.061 U	0.049 U	0.047 U
Aroclor 1242	SW8082A	0.046 U	0.061 U	0.049 U	0.047 U
Aroclor 1248	SW8082A	0.046 U	0.061 U	0.049 U	0.047 U
Aroclor 1254	SW8082A	3.35 J	1.74	1.39	0.428
Aroclor 1260	SW8082A	29.6	7.89	5.3	1.61
Total PCB Aroclors (U = 0 max limit)		33.0 J	9.63	6.7	2.04

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-2-D-5-221010-02-2.5 10/10/2022 2–2.5 ft	SE-BW5A-2-D-5-221010-1.5-02 10/10/2022 1.5–2 ft	SE-BW5A-3-A-B-1-2-221012-00-01 10/12/2022 0–1 ft	SE-BW5A-3-A-B-1-2-221012-01-1.5 10/12/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.43 J	1.7 J	0.577 J	1.39 J
Total solids	SM2540G	57	62.8	69.8	77.6
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.055 U	0.052 U	0.045 U	0.041 U
Aroclor 1221	SW8082A	0.055 U	0.052 U	0.045 U	0.041 U
Aroclor 1232	SW8082A	0.055 U	0.052 U	0.045 U	0.041 U
Aroclor 1242	SW8082A	0.055 U	0.052 U	0.045 U	0.041 U
Aroclor 1248	SW8082A	0.055 U	0.052 U	0.045 U	0.041 U
Aroclor 1254	SW8082A	0.606	0.276 J	3.67 J	1.52 J
Aroclor 1260	SW8082A	4.89	1.23	12.6 J	6.26 J
Total PCB Aroclors (U = 0 max limit)		5.5	1.51 J	16.3 J	7.78 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-A-B-1-2-221012-02-2.5 10/12/2022 2–2.5 ft	SE-BW5A-3-A-B-1-2-221012-03-3.5 10/12/2022 3–3.5 ft	SE-BW5A-3-A-B-1-2-221012-1.5-02 10/12/2022 1.5–2 ft	SE-BW5A-3-A-B-1-2-221012-2.5-03 10/12/2022 2.5–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.383 J	3.39 J	1.6 J	0.699 J
Total solids	SM2540G	86.9	67.2	71.6	77.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.036 U	0.048 U	0.046 U	0.043 U
Aroclor 1221	SW8082A	0.036 U	0.048 U	0.046 U	0.043 U
Aroclor 1232	SW8082A	0.036 U	0.048 U	0.046 U	0.043 U
Aroclor 1242	SW8082A	0.036 U	0.048 U	0.046 U	0.043 U
Aroclor 1248	SW8082A	0.036 U	0.048 U	0.046 U	0.043 U
Aroclor 1254	SW8082A	0.0977 J	0.048 U	0.601 J	0.043 U
Aroclor 1260	SW8082A	0.163 J	0.0579 J	5.64 J	0.043 U
Total PCB Aroclors (U = 0 max limit)		0.261 J	0.0579 J	6.24 J	0.038 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-A-B-1-2-221012-3.5-3.92 10/12/2022 3.5–3.92 ft	SE-BW5A-3-A-B-1-2-BD0001 10/12/2022 0–1 ft	SE-BW5A-3-A-B-2-3-221012-00-01 10/12/2022 0–1 ft	SE-BW5A-3-A-B-2-3-221012-01-1.5 10/12/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.79 J	1.37 J	1.22 J	1.31 J
Total solids	SM2540G	54.9	71.3	67.7	85.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.058 U	0.046 U	0.048 U	0.037 U
Aroclor 1221	SW8082A	0.058 U	0.046 U	0.048 U	0.037 U
Aroclor 1232	SW8082A	0.058 U	0.046 U	0.048 U	0.037 U
Aroclor 1242	SW8082A	0.058 U	0.046 U	0.048 U	0.037 U
Aroclor 1248	SW8082A	0.058 U	0.046 U	0.048 U	0.037 U
Aroclor 1254	SW8082A	0.058 U	4.22	4.29 J	2.58 J
Aroclor 1260	SW8082A	0.058 U	14.6	12.1 J	9.79 J
Total PCB Aroclors (U = 0 max limit)		0.051 U	18.8	16.4 J	12.4 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-A-B-2-3-221012-02-2.5 10/12/2022 2–2.5 ft	SE-BW5A-3-A-B-2-3-221012-03-3.3 10/12/2022 3–3.3 ft	SE-BW5A-3-A-B-2-3-221012-1.5-02 10/12/2022 1.5–2 ft	SE-BW5A-3-A-B-2-3-221012-2.5-03 10/12/2022 2.5–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0864 J	0.113 J	0.129 J	0.0562 J
Total solids	SM2540G	86.8	84.9	86.7	88.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.036 U	0.036 U	0.035 U	0.035 U
Aroclor 1221	SW8082A	0.036 U	0.036 U	0.035 U	0.035 U
Aroclor 1232	SW8082A	0.036 U	0.036 U	0.035 U	0.035 U
Aroclor 1242	SW8082A	0.036 U	0.036 U	0.035 U	0.035 U
Aroclor 1248	SW8082A	0.036 U	0.036 U	0.035 U	0.035 U
Aroclor 1254	SW8082A	0.036 U	0.036 U	0.035 U	0.035 U
Aroclor 1260	SW8082A	0.27 J	0.0985 J	0.989 J	0.0454 J
Total PCB Aroclors (U = 0 max limit)		0.27 J	0.0985 J	0.989 J	0.0454 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-A-B-3-4-221012-00-01 10/12/2022 0–1 ft	SE-BW5A-3-A-B-3-4-221012-01-1.5 10/12/2022 1–1.5 ft	SE-BW5A-3-A-B-3-4-221012-02-2.5 10/12/2022 2–2.5 ft	SE-BW5A-3-A-B-3-4-221012-1.5-02 10/12/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.27 J	0.495 J	0.0721 J	0.712 J
Total solids	SM2540G	72.5	75.2	89.5	90.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.043 U	0.044 U	0.033 U	0.035 U
Aroclor 1221	SW8082A	0.043 U	0.044 U	0.033 U	0.035 U
Aroclor 1232	SW8082A	0.043 U	0.044 U	0.033 U	0.035 U
Aroclor 1242	SW8082A	0.043 U	0.044 U	0.033 U	0.035 U
Aroclor 1248	SW8082A	0.043 U	0.044 U	0.033 U	0.035 U
Aroclor 1254	SW8082A	3.04 J	0.044 U	0.033 U	0.035 U
Aroclor 1260	SW8082A	15.5 J	505 J	2.57 J	9.01 J
Total PCB Aroclors (U = 0 max limit)		18.5 J	505 J	2.57 J	9.01 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-A-B-3-4-221012-2.5-2.7 10/12/2022 2.5–2.7 ft	SE-BW5A-3-A-B-4-5-221012-00-01 10/12/2022 0–1 ft	SE-BW5A-3-A-B-4-5-221012-01-1.5 10/12/2022 1–1.5 ft	SE-BW5A-3-A-B-4-5-221012-02-2.5 10/12/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0587 J	1.84 J	2.24 J	0.0553 J
Total solids	SM2540G	88.3	58	79.2	84.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.035 U	0.051 U	0.038 U	0.036 U
Aroclor 1221	SW8082A	0.035 U	0.051 U	0.038 U	0.036 U
Aroclor 1232	SW8082A	0.035 U	0.051 U	0.038 U	0.036 U
Aroclor 1242	SW8082A	0.035 U	0.051 U	0.038 U	0.036 U
Aroclor 1248	SW8082A	0.035 U	0.051 U	0.038 U	0.036 U
Aroclor 1254	SW8082A	0.035 U	0.051 U	0.577	0.0624 J
Aroclor 1260	SW8082A	0.0437 J	585 J	5.38	0.866
Total PCB Aroclors (U = 0 max limit)		0.0437 J	585 J	5.96	0.928 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-A-B-4-5-221012-1.5-02 10/12/2022 1.5–2 ft	SE-BW5A-3-A-B-4-5-221012-2.5-2.7 10/12/2022 2.5–2.7 ft	SE-BW5A-3-A-B-5-6-221012-00-01 10/12/2022 0–1 ft	SE-BW5A-3-A-B-5-6-221012-01-1.5 10/12/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0981 J	0.0895 J	2.64 J	0.802 J
Total solids	SM2540G	80.5	88.1	62.1	84.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.041 U	0.037 U	0.051 U	0.035 U
Aroclor 1221	SW8082A	0.041 U	0.037 U	0.051 U	0.035 U
Aroclor 1232	SW8082A	0.041 U	0.037 U	0.051 U	0.035 U
Aroclor 1242	SW8082A	0.041 U	0.037 U	0.051 U	0.035 U
Aroclor 1248	SW8082A	0.041 U	0.037 U	0.051 U	0.035 U
Aroclor 1254	SW8082A	0.041 U	0.037 U	1.88 J	2.25 J
Aroclor 1260	SW8082A	1.68	0.414	5.9 J	9.39
Total PCB Aroclors (U = 0 max limit)		1.68	0.414	7.8 J	11.6 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-A-B-5-6-221012-02-2.5 10/12/2022 2–2.5 ft	SE-BW5A-3-A-B-5-6-221012-1.5-02 10/12/2022 1.5–2 ft	SE-BW5A-3-A-B-5-6-221012-2.5-2.85 10/12/2022 2.5–2.85 ft	SE-BW5A-3-A-B-5-6-BD0001 10/12/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.788 J	0.207 J	0.793 J	1.88 J
Total solids	SM2540G	74.1	85.2	82.8	64.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.041 U	0.038 U	0.038 U	0.051 U
Aroclor 1221	SW8082A	0.041 U	0.038 U	0.038 U	0.051 U
Aroclor 1232	SW8082A	0.041 U	0.038 U	0.038 U	0.051 U
Aroclor 1242	SW8082A	0.041 U	0.038 U	0.038 U	0.051 U
Aroclor 1248	SW8082A	0.041 U	0.038 U	0.038 U	0.051 U
Aroclor 1254	SW8082A	35.8	53	17.8	4.24 J
Aroclor 1260	SW8082A	216	278	103	20.1 J
Total PCB Aroclors (U = 0 max limit)		252	330	121	24.3 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-B-1-2-221012-00-01 10/12/2022 0–1 ft	SE-BW5A-3-B-1-2-221012-01-1.5 10/12/2022 1–1.5 ft	SE-BW5A-3-B-1-2-221012-02-2.5 10/12/2022 2–2.5 ft	SE-BW5A-3-B-1-2-221012-03-3.5 10/12/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.76	0.354 J	1.1 J	0.684 J
Total solids	SM2540G	81	80.2	73	70.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.039 U	0.039 U	0.043 U	0.047 U
Aroclor 1221	SW8082A	0.039 U	0.039 U	0.043 U	0.047 U
Aroclor 1232	SW8082A	0.039 U	0.039 U	0.043 U	0.047 U
Aroclor 1242	SW8082A	0.039 U	0.039 U	0.043 U	0.047 U
Aroclor 1248	SW8082A	0.039 U	0.039 U	0.043 U	0.047 U
Aroclor 1254	SW8082A	5.14 J	4.1 J	1.04 J	1.05
Aroclor 1260	SW8082A	30.4	23.7	9.98	7.71
Total PCB Aroclors (U = 0 max limit)		35.5 J	28 J	11.0 J	8.76

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-B-1-2-221012-1.5-02 10/12/2022 1.5–2 ft	SE-BW5A-3-B-1-2-221012-2.5-03 10/12/2022 2.5–3 ft	SE-BW5A-3-B-5-221012-00-01 10/12/2022 0–1 ft	SE-BW5A-3-B-5-221012-01-1.5 10/12/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.186 J	0.531 J	3 J	0.912 J
Total solids	SM2540G	77.4	63.9	60.3	70.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.040 U	0.051 U	0.050 U	0.047 U
Aroclor 1221	SW8082A	0.040 U	0.051 U	0.050 U	0.047 U
Aroclor 1232	SW8082A	0.040 U	0.051 U	0.050 U	0.047 U
Aroclor 1242	SW8082A	0.040 U	0.051 U	0.050 U	0.047 U
Aroclor 1248	SW8082A	0.040 U	0.051 U	0.050 U	0.047 U
Aroclor 1254	SW8082A	2.11	1.98	0.955	0.807 J
Aroclor 1260	SW8082A	12.8	8.15	6.27	8.22 J
Total PCB Aroclors (U = 0 max limit)		14.9	10.1	7.23	9.03 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-B-5-221012-02-2.5 10/12/2022 2–2.5 ft	SE-BW5A-3-B-5-221012-03-3.5 10/12/2022 3–3.5 ft	SE-BW5A-3-B-5-221012-1.5-02 10/12/2022 1.5–2 ft	SE-BW5A-3-B-5-221012-2.5-03 10/12/2022 2.5–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.235 J	4.19 J	0.778 J	1.87 J
Total solids	SM2540G	71.3	36.8	72	86.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.046 U	0.087 U	0.044 U	0.038 U
Aroclor 1221	SW8082A	0.046 U	0.087 U	0.044 U	0.038 U
Aroclor 1232	SW8082A	0.046 U	0.087 U	0.044 U	0.038 U
Aroclor 1242	SW8082A	0.046 U	0.087 U	0.044 U	0.038 U
Aroclor 1248	SW8082A	0.046 U	0.087 U	0.044 U	0.038 U
Aroclor 1254	SW8082A	2.93	0.087 U	1.9	4.58
Aroclor 1260	SW8082A	44.5	0.0487 J	32.8	29.1
Total PCB Aroclors (U = 0 max limit)		47.4	0.0487 J	35	33.7

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-B-5G-221012-00-1.4 10/12/2022 0–1.4 ft	SE-BW5A-3-B-5G-221012-02-3.5 10/12/2022 2–3.5 ft	SE-BW5A-3-B-5G-221012-1.4-02 10/12/2022 1.4–2 ft	SE-BW5A-3-B-6-221012-00-01 10/12/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	51.3	44	35	--
Total organic carbon	Lloyd Kahn	--	--	--	1.33 J
Total solids	SM2540G	--	--	--	69.5
Conventional Parameters (lb/ft ³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	0	22.8	1.3	--
Percent passing (hydrometer 1)	D422	40	4.7	6.9	--
Percent passing (hydrometer 2)	D422	11	3	4	--
Percent passing (hydrometer 3)	D422	0	1	3	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	84.6	99	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	95.9	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	100	--
Percent passing 150 micron sieve (No. 100)	D422	62.5	7.9	14.6	--
Percent passing 2000-micron sieve (No. 10)	D422	100	66.2	98.4	--
Percent passing 3 inch (3-inch sieve)	D422	100	100	100	--
Percent passing 4750-micron sieve (No. 4)	D422	100	77.2	98.7	--
Percent passing 50-micron sieve	D422	93.5	23.9	61.3	--
Percent passing 75-micron sieve (No. 200)	D422	51.6	5.1	8.6	--
Percent passing 8.0 micron	D422	100	67.9	98.5	--
Percent retained 16,000-micron sieve	D422	99.8	60	98.1	--
Percent retained 30-micron sieve	D422	98.5	48.3	96.1	--
Sand	D422	48.1	72.1	90.1	--
Silt	D422	51.9	5.1	8.6	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	--	--	--	0.044 U
Aroclor 1221	SW8082A	--	--	--	0.044 U
Aroclor 1232	SW8082A	--	--	--	0.044 U
Aroclor 1242	SW8082A	--	--	--	0.044 U
Aroclor 1248	SW8082A	--	--	--	0.044 U
Aroclor 1254	SW8082A	--	--	--	1.31
Aroclor 1260	SW8082A	--	--	--	5.75
Total PCB Aroclors (U = 0 max limit)		--	--	--	7.06

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-B-6-221012-01-1.5 10/12/2022 1–1.5 ft	SE-BW5A-3-B-6-221012-02-2.5 10/12/2022 2–2.5 ft	SE-BW5A-3-B-6-221012-03-3.5 10/12/2022 3–3.5 ft	SE-BW5A-3-B-6-221012-1.5-02 10/12/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.9 J	0.0421 J	0.116 J	0.161 J
Total solids	SM2540G	84.1	84.8	91.7	87
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.038 U	0.036 U	0.033 U	0.037 U
Aroclor 1221	SW8082A	0.038 U	0.036 U	0.033 U	0.037 U
Aroclor 1232	SW8082A	0.038 U	0.036 U	0.033 U	0.037 U
Aroclor 1242	SW8082A	0.038 U	0.036 U	0.033 U	0.037 U
Aroclor 1248	SW8082A	0.038 U	0.036 U	0.033 U	0.037 U
Aroclor 1254	SW8082A	5.08	0.146	0.0575	53.2
Aroclor 1260	SW8082A	28.7	0.95	0.113	461
Total PCB Aroclors (U = 0 max limit)		33.8	1.1	0.171	514

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-B-6-221012-2.5-03 10/12/2022 2.5–3 ft	SE-BW5A-3-B-7-221012-00-01 10/12/2022 0–1 ft	SE-BW5A-3-B-7-221012-01-1.5 10/12/2022 1–1.5 ft	SE-BW5A-3-B-7-221012-02-2.5 10/12/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0603 J	2.27 J	0.666 J	2.69 J
Total solids	SM2540G	89.5	61.7	83.6	64.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.035 U	0.052 U	0.038 U	0.047 U
Aroclor 1221	SW8082A	0.035 U	0.052 U	0.038 U	0.047 U
Aroclor 1232	SW8082A	0.035 U	0.052 U	0.038 U	0.047 U
Aroclor 1242	SW8082A	0.035 U	0.052 U	0.038 U	0.047 U
Aroclor 1248	SW8082A	0.035 U	0.052 U	0.038 U	0.047 U
Aroclor 1254	SW8082A	0.0693	1.58 J	1.63	4.77 J
Aroclor 1260	SW8082A	0.0928	13.7	4.54	41.3
Total PCB Aroclors (U = 0 max limit)		0.162	15.3 J	6.17	46.1 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-3-B-7-221012-03-3.12 10/12/2022 3–3.12 ft	SE-BW5A-3-B-7-221012-1.5-02 10/12/2022 1.5–2 ft	SE-BW5A-3-B-7-221012-2.5-03 10/12/2022 2.5–3 ft	SE-BW5A-4-A-B-1-2-221011-00-01 10/11/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.38 J	1.93	3.26	2.5 J
Total solids	SM2540G	69.8	73.9	47.3	49.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.047 U	0.042 U	0.070 U	0.061 U
Aroclor 1221	SW8082A	0.047 U	0.042 U	0.070 U	0.061 U
Aroclor 1232	SW8082A	0.047 U	0.042 U	0.070 U	0.061 U
Aroclor 1242	SW8082A	0.047 U	0.042 U	0.070 U	0.061 U
Aroclor 1248	SW8082A	0.047 U	0.042 U	0.070 U	0.061 U
Aroclor 1254	SW8082A	0.824	12	3.07 J	3.95
Aroclor 1260	SW8082A	0.458	104	14.8	13.1
Total PCB Aroclors (U = 0 max limit)		1.28	120	17.9 J	17.1

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-4-A-B-1-2-221011-01-1.5 10/11/2022 1–1.5 ft	SE-BW5A-4-A-B-1-2-221011-02-2.4 10/11/2022 2–2.4 ft	SE-BW5A-4-A-B-1-2-221011-1.5-02 10/11/2022 1.5–2 ft	SE-BW5A-4-A-B-1-2-BD0001 10/11/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	8.71 J	1.88 J	1.55 J	0.667 J
Total solids	SM2540G	72.7	70.7	76.8	77.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.046 U	0.042 U	0.039 U	0.042 U
Aroclor 1221	SW8082A	0.046 U	0.042 U	0.039 U	0.042 U
Aroclor 1232	SW8082A	0.046 U	0.042 U	0.039 U	0.042 U
Aroclor 1242	SW8082A	0.046 U	0.042 U	0.039 U	0.042 U
Aroclor 1248	SW8082A	0.046 U	0.042 U	0.039 U	0.042 U
Aroclor 1254	SW8082A	3.64 J	0.613	0.977	1.57
Aroclor 1260	SW8082A	22.6	2.51	4.08 J	14.6 J
Total PCB Aroclors (U = 0 max limit)		26.2 J	3.12	5.06 J	16.2 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-4-A-B-2-3-221011-00-01 10/11/2022 0–1 ft	SE-BW5A-4-A-B-2-3-221011-01-1.5 10/11/2022 1–1.5 ft	SE-BW5A-4-A-B-2-3-221011-02-2.5 10/11/2022 2–2.5 ft	SE-BW5A-4-A-B-2-3-221011-03-3.5 10/11/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.47 J	0.149 J	0.236 J	0.384 J
Total solids	SM2540G	63.3	82.9	79.2	74.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.048 U	0.038 U	0.038 U	0.041 U
Aroclor 1221	SW8082A	0.048 U	0.038 U	0.038 U	0.041 U
Aroclor 1232	SW8082A	0.048 U	0.038 U	0.038 U	0.041 U
Aroclor 1242	SW8082A	0.048 U	0.038 U	0.038 U	0.041 U
Aroclor 1248	SW8082A	0.048 U	0.038 U	0.038 U	0.041 U
Aroclor 1254	SW8082A	4.96	0.758	0.038 U	0.041 U
Aroclor 1260	SW8082A	37.1	9.37	0.038 U	0.041 U
Total PCB Aroclors (U = 0 max limit)		42.1	10.1	0.034 U	0.037 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-4-A-B-2-3-221011-1.5-02 10/11/2022 1.5–2 ft	SE-BW5A-4-A-B-2-3-221011-2.5-03 10/11/2022 2.5–3 ft	SE-BW5A-4-A-B-3-4-221011-00-01 10/11/2022 0–1 ft	SE-BW5A-4-A-B-3-4-221011-01-1.5 10/11/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.139 J	0.0772 J	2.32 J	1.5 J
Total solids	SM2540G	77.6	84.4	67.1	69
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.042 U	0.038 U	0.049 U	0.046 U
Aroclor 1221	SW8082A	0.042 U	0.038 U	0.049 U	0.046 U
Aroclor 1232	SW8082A	0.042 U	0.038 U	0.049 U	0.046 U
Aroclor 1242	SW8082A	0.042 U	0.038 U	0.049 U	0.046 U
Aroclor 1248	SW8082A	0.042 U	0.038 U	0.049 U	0.046 U
Aroclor 1254	SW8082A	0.042 U	0.038 U	0.99	0.855
Aroclor 1260	SW8082A	0.0498	0.038 U	5.56	8.61
Total PCB Aroclors (U = 0 max limit)		0.0498	0.034 U	6.6	9.47

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-4-A-B-3-4-221011-02-2.5 10/11/2022 2–2.5 ft	SE-BW5A-4-A-B-3-4-221011-03-3.5 10/11/2022 3–3.5 ft	SE-BW5A-4-A-B-3-4-221011-1.5-02 10/11/2022 1.5–2 ft	SE-BW5A-4-A-B-3-4-221011-2.5-03 10/11/2022 2.5–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.837 J	0.733 J	1.65 J	0.527 J
Total solids	SM2540G	77.5	75	69.5	77
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.042 U	0.041 U	0.046 U	0.041 U
Aroclor 1221	SW8082A	0.042 U	0.041 U	0.046 U	0.041 U
Aroclor 1232	SW8082A	0.042 U	0.041 U	0.046 U	0.041 U
Aroclor 1242	SW8082A	0.042 U	0.041 U	0.046 U	0.041 U
Aroclor 1248	SW8082A	0.042 U	0.041 U	0.046 U	0.041 U
Aroclor 1254	SW8082A	0.421	3.17 J	0.695 J	1.49 J
Aroclor 1260	SW8082A	2.98	25.2	5.08 J	23.7
Total PCB Aroclors (U = 0 max limit)		3.4	28.4 J	5.78 J	25.2 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-4-A-B-3-4-221011-3.5-3.8 10/11/2022 3.5–3.8 ft	SE-BW5A-4-A-B-3-4G-221011-00-2.55 10/11/2022 0–2.55 ft	SE-BW5A-4-A-B-3-4G-221011-2.55-3.1 10/11/2022 2.55–3.1 ft	SE-BW5A-5-A-B-19-20-221104-00-01 11/4/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	46.7	27.6	--
Total organic carbon	Lloyd Kahn	0.352 J	--	--	10.3 J
Total solids	SM2540G	76.8	--	--	27.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	0	0.08	--
Percent passing (hydrometer 1)	D422	--	16	2.9	--
Percent passing (hydrometer 2)	D422	--	7	2	--
Percent passing (hydrometer 3)	D422	--	3.1	0.95	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	100	--
Percent passing 150 micron sieve (No. 100)	D422	--	38.5	4.4	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	97.6	--
Percent passing 3 inch (3-inch sieve)	D422	--	100	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	99.9	--
Percent passing 50-micron sieve	D422	--	85.4	11.4	--
Percent passing 75-micron sieve (No. 200)	D422	--	23.5	3	--
Percent passing 8.0 micron	D422	--	100	95.8	--
Percent retained 16,000-micron sieve	D422	--	99.2	83.9	--
Percent retained 30-micron sieve	D422	--	96.2	49	--
Sand	D422	--	76.5	96	--
Silt	D422	--	23.5	3	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.040 U	--	--	0.11 U
Aroclor 1221	SW8082A	0.040 U	--	--	0.11 U
Aroclor 1232	SW8082A	0.040 U	--	--	0.11 U
Aroclor 1242	SW8082A	0.040 U	--	--	0.11 U
Aroclor 1248	SW8082A	0.040 U	--	--	0.11 U
Aroclor 1254	SW8082A	2.86 J	--	--	1.97
Aroclor 1260	SW8082A	38.4	--	--	3.62
Total PCB Aroclors (U = 0 max limit)		41.3 J	--	--	5.59

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-A-B-19-20-221104-01-1.5 11/4/2022 1–1.5 ft	SE-BW5A-5-A-B-19-20-221104-02-2.37 11/4/2022 2–2.37 ft	SE-BW5A-5-A-B-19-20-221104-1.5-02 11/4/2022 1.5–2 ft	SE-BW5A-5-A-B-20-221107-00-01 11/7/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.25 J	1.54 J	2.23 J	0.829
Total solids	SM2540G	55.3	65.7	58.1	58.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.056 U	0.047 U	0.053 U	0.057 U
Aroclor 1221	SW8082A	0.056 U	0.047 U	0.053 U	0.057 U
Aroclor 1232	SW8082A	0.056 U	0.047 U	0.053 U	0.057 U
Aroclor 1242	SW8082A	0.056 U	0.047 U	0.053 U	0.057 U
Aroclor 1248	SW8082A	0.056 U	0.047 U	0.053 U	0.057 U
Aroclor 1254	SW8082A	0.056 U	0.0557 J	0.0584	0.057 U
Aroclor 1260	SW8082A	0.0698 J	0.142 J	0.116	0.057 U
Total PCB Aroclors (U = 0 max limit)		0.0698 J	0.198 J	0.174	0.050 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-A-B-20-221107-01-1.5 11/7/2022 1–1.5 ft	SE-BW5A-5-A-B-20-221107-1.5-02 11/7/2022 1.5–2 ft	SE-BW5A-5-A-B-20-BD0001 11/7/2022 0–1 ft	SE-BW5A-5-A-B-2-3-221024-00-01 10/24/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.04	1.36 J	0.966 J	1.78 J
Total solids	SM2540G	59.9	48.8	61.5	60.9
Conventional Parameters (lb/ft ³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.055 UJ	0.064 U	0.050 U	0.054 U
Aroclor 1221	SW8082A	0.055 UJ	0.064 U	0.050 U	0.054 U
Aroclor 1232	SW8082A	0.055 UJ	0.064 U	0.050 U	0.054 U
Aroclor 1242	SW8082A	0.055 UJ	0.064 U	0.050 U	0.054 U
Aroclor 1248	SW8082A	0.055 UJ	0.064 U	0.050 U	0.054 U
Aroclor 1254	SW8082A	0.055 UJ	0.064 U	0.050 U	2.23 J
Aroclor 1260	SW8082A	0.055 UJ	0.064 U	0.050 U	12.1
Total PCB Aroclors (U = 0 max limit)		0.049 UJ	0.057 U	0.05 U	14.3 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-A-B-2-3-221024-02-2.5 10/24/2022 2–2.5 ft	SE-BW5A-5-A-B-2-3-221024-03-3.33 10/24/2022 3–3.33 ft	SE-BW5A-5-A-B-2-3-221024-04-4.5 10/24/2022 4–4.5 ft	SE-BW5A-5-A-B-2-3-221024-2.5-03 10/24/2022 2.5–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.633 J	0.695 J	0.445 J	0.135 J
Total solids	SM2540G	61	72.7	78	72.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.052 U	0.041 U	0.038 U	0.041 U
Aroclor 1221	SW8082A	0.052 U	0.041 U	0.038 U	0.041 U
Aroclor 1232	SW8082A	0.052 U	0.041 U	0.038 U	0.041 U
Aroclor 1242	SW8082A	0.052 U	0.041 U	0.038 U	0.041 U
Aroclor 1248	SW8082A	0.052 U	0.041 U	0.038 U	0.041 U
Aroclor 1254	SW8082A	0.957	4.92	0.717	1.4
Aroclor 1260	SW8082A	4.13	37.9	4.52	11.8
Total PCB Aroclors (U = 0 max limit)		5.09	42.8	5.24	13

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-A-B-2-3-BD0001 10/24/2022 0–1 ft	SE-BW5A-5-A-B-3-4-221025-00-01 10/25/2022 0–1 ft	SE-BW5A-5-A-B-3-4-221025-01-1.5 10/25/2022 1–1.5 ft	SE-BW5A-5-A-B-3-4-221025-02-2.5 10/25/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.06 J	2.37 J	2.24 J	1.03 J
Total solids	SM2540G	64.5	46.7	54	74.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.049 U	0.070 U	0.060 U	0.044 U
Aroclor 1221	SW8082A	0.049 U	0.070 U	0.060 U	0.044 U
Aroclor 1232	SW8082A	0.049 U	0.070 U	0.060 U	0.044 U
Aroclor 1242	SW8082A	0.049 U	0.070 U	0.060 U	0.044 U
Aroclor 1248	SW8082A	0.049 U	0.070 U	0.060 U	10.2
Aroclor 1254	SW8082A	1.74	2.07	0.901	7.33
Aroclor 1260	SW8082A	11.2	8.21	5.71	14.1
Total PCB Aroclors (U = 0 max limit)		12.9	10.3	6.61	31.6

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-A-B-3-4-221025-03-3.5 10/25/2022 3–3.5 ft	SE-BW5A-5-A-B-3-4-221025-1.5-02 10/25/2022 1.5–2 ft	SE-BW5A-5-A-B-3-4-221025-2.5-03 10/25/2022 2.5–3 ft	SE-BW5A-5-A-B-3-4-221025-3.5-3.7 10/25/2022 3.5–3.7 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.55 J	0.956 J	3 J	0.346 J
Total solids	SM2540G	55.2	68.7	57.9	75.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.059 U	0.048 U	0.055 U	0.043 U
Aroclor 1221	SW8082A	0.059 U	0.048 U	0.055 U	0.043 U
Aroclor 1232	SW8082A	0.059 U	0.048 U	0.055 U	0.043 U
Aroclor 1242	SW8082A	0.059 U	0.048 U	0.055 U	0.043 U
Aroclor 1248	SW8082A	0.059 U	0.048 U	0.055 U	0.043 U
Aroclor 1254	SW8082A	11	0.637	66.7	2.82
Aroclor 1260	SW8082A	19.7	3.21	73.6	0.568
Total PCB Aroclors (U = 0 max limit)		31	3.85	140	3.39

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-B-2-221024-00-01 10/24/2022 0–1 ft	SE-BW5A-5-B-2-221024-01-1.5 10/24/2022 1–1.5 ft	SE-BW5A-5-B-2-221024-02-2.5 10/24/2022 2–2.5 ft	SE-BW5A-5-B-2-221024-03-3.5 10/24/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.12 J	1.42 J	1.53 J	1.37 J
Total solids	SM2540G	60.1	71.8	66	73.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.054 U	0.044 U	0.046 U	0.045 U
Aroclor 1221	SW8082A	0.054 U	0.044 U	0.046 U	0.045 U
Aroclor 1232	SW8082A	0.054 U	0.044 U	0.046 U	0.045 U
Aroclor 1242	SW8082A	0.054 U	0.044 U	0.046 U	0.045 U
Aroclor 1248	SW8082A	0.054 U	0.044 U	0.046 U	0.045 U
Aroclor 1254	SW8082A	0.996	1.65	1.08	2.53 J
Aroclor 1260	SW8082A	4.36	6.88	5.67	21.9 J
Total PCB Aroclors (U = 0 max limit)		5.36	8.53	6.75	24.4 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-B-2-221024-04-4.5 10/24/2022 4–4.5 ft	SE-BW5A-5-B-2-221024-2.5-03 10/24/2022 2.5–3 ft	SE-BW5A-5-B-2-221024-3.5-3.85 10/24/2022 3.5–3.85 ft	SE-BW5A-5-B-3-221025-00-01 10/25/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.366 J	1.54 J	0.751 J	1.33 J
Total solids	SM2540G	74.9	72.8	68.4	57.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.042 U	0.044 U	0.049 U	0.057 U
Aroclor 1221	SW8082A	0.042 U	0.044 U	0.049 U	0.057 U
Aroclor 1232	SW8082A	0.042 U	0.044 U	0.049 U	0.057 U
Aroclor 1242	SW8082A	0.042 U	0.044 U	0.049 U	0.057 U
Aroclor 1248	SW8082A	0.042 U	0.044 U	0.049 U	0.057 U
Aroclor 1254	SW8082A	5.19 J	1.75 J	1.94 J	1.5
Aroclor 1260	SW8082A	42.2 J	8.6 J	7.54 J	13.6
Total PCB Aroclors (U = 0 max limit)		47.4 J	10 J	9.48 J	15

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-B-3-221025-01-1.5 10/25/2022 1–1.5 ft	SE-BW5A-5-B-3-221025-02-2.27 10/25/2022 2–2.27 ft	SE-BW5A-5-B-3-221025-1.5-02 10/25/2022 1.5–2 ft	SE-BW5A-5-B-3-BD0001 10/25/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.655 J	1.46 J	0.422 J	0.724 J
Total solids	SM2540G	75.3	52.7	73.2	75.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.043 U	0.062 U	0.044 U	0.043 U
Aroclor 1221	SW8082A	0.043 U	0.062 U	0.044 U	0.043 U
Aroclor 1232	SW8082A	0.043 U	0.062 U	0.044 U	0.043 U
Aroclor 1242	SW8082A	0.043 U	0.062 U	0.044 U	0.043 U
Aroclor 1248	SW8082A	0.043 U	0.062 U	0.044 U	0.043 U
Aroclor 1254	SW8082A	2.07	8.42	1.06	1.08
Aroclor 1260	SW8082A	12.7	63	8.19	8.22
Total PCB Aroclors (U = 0 max limit)		14.8	71	9.25	9.3

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-B-3-4-221024-00-01 10/24/2022 0–1 ft	SE-BW5A-5-B-3-4-221024-01-1.5 10/24/2022 1–1.5 ft	SE-BW5A-5-B-3-4-221024-02-2.5 10/24/2022 2–2.5 ft	SE-BW5A-5-B-3-4-221024-03-3.5 10/24/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.57 J	3.05 J	3.22 J	1.18 J
Total solids	SM2540G	66.3	57.6	55.2	67.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.045 U	0.056 U	0.058 U	0.047 U
Aroclor 1221	SW8082A	0.045 U	0.056 U	0.058 U	0.047 U
Aroclor 1232	SW8082A	0.045 U	0.056 U	0.058 U	0.047 U
Aroclor 1242	SW8082A	0.045 U	0.056 U	0.058 U	0.047 U
Aroclor 1248	SW8082A	0.045 U	0.056 U	0.058 U	0.047 U
Aroclor 1254	SW8082A	6.1 J	3.18 J	40.7 J	0.31 J
Aroclor 1260	SW8082A	31.8 J	11.8 J	57.3 J	0.509 J
Total PCB Aroclors (U = 0 max limit)		38 J	15.0 J	98.0 J	0.82 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-B-3-4-221024-04-4.5 10/24/2022 4–4.5 ft	SE-BW5A-5-B-3-4-221024-1.5-1.9 10/24/2022 1.5–1.9 ft	SE-BW5A-5-B-3-4-221024-2.5-03 10/24/2022 2.5–3 ft	SE-BW5A-5-B-3-4-221024-4.5-05 10/24/2022 4.5–5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.87 J	6.26 J	1.31 J	1.81 J
Total solids	SM2540G	60.2	57.5	65.4	54.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.053 U	0.056 U	0.047 U	0.061 U
Aroclor 1221	SW8082A	0.053 U	0.056 U	0.047 U	0.061 U
Aroclor 1232	SW8082A	0.053 U	0.056 U	0.047 U	0.061 U
Aroclor 1242	SW8082A	0.053 U	0.056 U	0.047 U	0.061 U
Aroclor 1248	SW8082A	0.053 U	0.056 U	0.047 U	0.061 U
Aroclor 1254	SW8082A	0.487 J	7.89 J	13.2 J	0.061 U
Aroclor 1260	SW8082A	1.34 J	49.6 J	17.4 J	0.0587 J
Total PCB Aroclors (U = 0 max limit)		1.83 J	57.5 J	30.6 J	0.0587 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-B-C-19-20-221107-00-01 11/7/2022 0–1 ft	SE-BW5A-5-B-C-20-221107-00-01 11/7/2022 0–1 ft	SE-BW5A-5-B-C-20-221107-01-1.5 11/7/2022 1–1.5 ft	SE-BW5A-5-B-C-20-221107-02-2.23 11/7/2022 2–2.23 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	6.43 J	13.3 J	16.5 J	0.321 J
Total solids	SM2540G	41	25.9	25.3	69.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.075 U	0.12 U	0.12 U	0.046 U
Aroclor 1221	SW8082A	0.075 U	0.12 U	0.12 U	0.046 U
Aroclor 1232	SW8082A	0.075 U	0.12 U	0.12 U	0.046 U
Aroclor 1242	SW8082A	0.075 U	0.12 U	0.12 U	0.046 U
Aroclor 1248	SW8082A	0.075 U	0.12 U	0.12 U	0.046 U
Aroclor 1254	SW8082A	0.466	3.98	0.12 U	0.046 U
Aroclor 1260	SW8082A	1.25	8.5	0.12 U	0.046 U
Total PCB Aroclors (U = 0 max limit)		1.72	12	0.11 U	0.041 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-B-C-20-221107-1.5-02 11/7/2022 1.5–2 ft	SE-BW5A-5-B-C-4-5-221025-00-01 10/25/2022 0–1 ft	SE-BW5A-5-B-C-4-5-221025-01-1.5 10/25/2022 1–1.5 ft	SE-BW5A-5-B-C-4-5-221025-02-2.5 10/25/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	5.97 J	1.67 J	3.17 J	0.933 J
Total solids	SM2540G	39.6	52.4	43.2	65.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.083 U	0.062 U	0.076 U	0.050 U
Aroclor 1221	SW8082A	0.083 U	0.062 U	0.076 U	0.050 U
Aroclor 1232	SW8082A	0.083 U	0.062 U	0.076 U	0.050 U
Aroclor 1242	SW8082A	0.083 U	0.062 U	0.076 U	0.050 U
Aroclor 1248	SW8082A	0.083 U	0.062 U	0.076 U	0.050 U
Aroclor 1254	SW8082A	0.083 U	0.78	0.158	0.050 U
Aroclor 1260	SW8082A	0.083 U	2.4	0.354	0.050 U
Total PCB Aroclors (U = 0 max limit)		0.074 U	3.2	0.512	0.04 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-B-C-4-5-221025-03-3.5 10/25/2022 3–3.5 ft	SE-BW5A-5-B-C-4-5-221025-1.5-02 10/25/2022 1.5–2 ft	SE-BW5A-5-B-C-4-5-221025-2.5-03 10/25/2022 2.5–3 ft	SE-BW5A-5-B-C-4-5-221025-3.5-3.6 10/25/2022 3.5–3.6 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.83 J	1.64 J	1.16 J	1.72 J
Total solids	SM2540G	50.2	47.1	68.8	64.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.066 U	0.068 U	0.047 U	0.050 U
Aroclor 1221	SW8082A	0.066 U	0.068 U	0.047 U	0.050 U
Aroclor 1232	SW8082A	0.066 U	0.068 U	0.047 U	0.050 U
Aroclor 1242	SW8082A	0.066 U	0.068 U	0.047 U	0.050 U
Aroclor 1248	SW8082A	0.066 U	0.068 U	0.047 U	0.050 U
Aroclor 1254	SW8082A	0.066 U	0.244	0.0994	0.050 U
Aroclor 1260	SW8082A	0.0350 J	0.441	0.139	0.050 U
Total PCB Aroclors (U = 0 max limit)		0.0350 J	0.685	0.238	0.04 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-B-C-4-5-BD0001 10/25/2022 2.5–3 ft	SE-BW5A-5-B-C-5-6-221025-00-01 10/25/2022 0–1 ft	SE-BW5A-5-B-C-5-6-221025-01-1.5 10/25/2022 1–1.5 ft	SE-BW5A-5-B-C-5-6-221025-1.5-1.95 10/25/2022 1.5–1.95 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.52 J	1.39 J	1.58 J	1.93 J
Total solids	SM2540G	67	56.8	59.8	56.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.048 U	0.057 U	0.055 U	0.058 U
Aroclor 1221	SW8082A	0.048 U	0.057 U	0.055 U	0.058 U
Aroclor 1232	SW8082A	0.048 U	0.057 U	0.055 U	0.058 U
Aroclor 1242	SW8082A	0.048 U	0.057 U	0.055 U	0.058 U
Aroclor 1248	SW8082A	0.048 U	0.057 U	0.055 U	0.058 U
Aroclor 1254	SW8082A	0.0328 J	0.113 J	0.0983	0.0522 J
Aroclor 1260	SW8082A	0.05	0.568	0.494	0.229
Total PCB Aroclors (U = 0 max limit)		0.0828 J	0.681 J	0.592	0.281 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-6-221027-00-01 10/27/2022 0–1 ft	SE-BW5A-5-C-6-221027-01-1.5 10/27/2022 1–1.5 ft	SE-BW5A-5-C-6-221027-02-2.5 10/27/2022 2–2.5 ft	SE-BW5A-5-C-6-221027-03-3.5 10/27/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.53 J	2.11 J	4.17 J	6.75 J
Total solids	SM2540G	52.1	55.5	48.8	44
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.063 U	0.059 U	0.064 U	0.075 U
Aroclor 1221	SW8082A	0.063 U	0.059 U	0.064 U	0.075 U
Aroclor 1232	SW8082A	0.063 U	0.059 U	0.064 U	0.075 U
Aroclor 1242	SW8082A	0.063 U	0.059 U	0.064 U	0.075 U
Aroclor 1248	SW8082A	0.063 U	0.059 U	0.064 U	0.075 U
Aroclor 1254	SW8082A	3.65	0.0595	0.064 U	0.075 U
Aroclor 1260	SW8082A	12.2	0.169	0.064 U	0.075 U
Total PCB Aroclors (U = 0 max limit)		15.9	0.229	0.057 U	0.067 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-6-221027-04-4.5 10/27/2022 4–4.5 ft	SE-BW5A-5-C-6-221027-1.5-1.82 10/27/2022 1.5–1.82 ft	SE-BW5A-5-C-6-221027-2.5-03 10/27/2022 2.5–3 ft	SE-BW5A-5-C-6-221027-3.5-3.62 10/27/2022 3.5–3.62 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.89 J	2.45 J	6.23 J	4.54 J
Total solids	SM2540G	40.9	53.7	39.4	42.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.075 U	0.062 U	0.085 U	0.075 U
Aroclor 1221	SW8082A	0.075 U	0.062 U	0.085 U	0.075 U
Aroclor 1232	SW8082A	0.075 U	0.062 U	0.085 U	0.075 U
Aroclor 1242	SW8082A	0.075 U	0.062 U	0.085 U	0.075 U
Aroclor 1248	SW8082A	0.075 U	0.062 U	0.085 U	0.075 U
Aroclor 1254	SW8082A	0.0665 J	0.062 U	0.085 U	0.075 U
Aroclor 1260	SW8082A	0.192	0.0451 J	0.085 U	0.0497 J
Total PCB Aroclors (U = 0 max limit)		0.259 J	0.0451 J	0.075 U	0.0497 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-6-221027-4.5-05 10/27/2022 4.5–5 ft	SE-BW5A-5-C-6-7-221027-00-01 10/27/2022 0–1 ft	SE-BW5A-5-C-6-7-221027-01-1.5 10/27/2022 1–1.5 ft	SE-BW5A-5-C-6-7-221027-02-2.5 10/27/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.72 J	3.03 J	0.942 J	4.8 J
Total solids	SM2540G	53.6	40.2	63.5	29.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.060 U	0.082 U	0.048 U	0.10 U
Aroclor 1221	SW8082A	0.060 U	0.082 U	0.048 U	0.10 U
Aroclor 1232	SW8082A	0.060 U	0.082 U	0.048 U	0.10 U
Aroclor 1242	SW8082A	0.060 U	0.082 U	0.048 U	0.10 U
Aroclor 1248	SW8082A	0.060 U	0.082 U	0.048 U	0.10 U
Aroclor 1254	SW8082A	0.060 U	3.22	0.0285 J	0.10 U
Aroclor 1260	SW8082A	0.060 U	12.1	0.0768	0.10 U
Total PCB Aroclors (U = 0 max limit)		0.05 U	15.3	0.105 J	0.09 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-6-7-221027-03-3.5 10/27/2022 3–3.5 ft	SE-BW5A-5-C-6-7-221027-04-4.5 10/27/2022 4–4.5 ft	SE-BW5A-5-C-6-7-221027-1.5-1.62 10/27/2022 1.5–1.62 ft	SE-BW5A-5-C-6-7-221027-2.5-03 10/27/2022 2.5–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.72 J	4.26 J	0.952 J	8.1 J
Total solids	SM2540G	41.9	33.2	63.6	21.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.075 U	0.093 U	0.049 U	0.14 U
Aroclor 1221	SW8082A	0.075 U	0.093 U	0.049 U	0.14 U
Aroclor 1232	SW8082A	0.075 U	0.093 U	0.049 U	0.14 U
Aroclor 1242	SW8082A	0.075 U	0.093 U	0.049 U	0.14 U
Aroclor 1248	SW8082A	0.075 U	0.093 U	0.049 U	0.14 U
Aroclor 1254	SW8082A	0.075 U	0.275	0.049 U	0.14 U
Aroclor 1260	SW8082A	0.075 U	0.867	0.049 U	0.14 U
Total PCB Aroclors (U = 0 max limit)		0.067 U	1.14	0.044 U	0.13 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-6-7-221027-3.5-04 10/27/2022 3.5–4 ft	SE-BW5A-5-C-6-7-221027-4.5-05 10/27/2022 4.5–5 ft	SE-BW5A-5-C-6-7-BD0001 10/27/2022 2.5–3 ft	SE-BW5A-5-C-7-8-221027-00-01 10/27/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	3.73 J	3.57 J	6.38 J	8.25 J
Total solids	SM2540G	50	48	28.1	35.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.067 U	0.069 U	0.12 U	0.093 U
Aroclor 1221	SW8082A	0.067 U	0.069 U	0.12 U	0.093 U
Aroclor 1232	SW8082A	0.067 U	0.069 U	0.12 U	0.093 U
Aroclor 1242	SW8082A	0.067 U	0.069 U	0.12 U	0.093 U
Aroclor 1248	SW8082A	0.067 U	0.069 U	0.12 U	0.093 U
Aroclor 1254	SW8082A	0.067 U	0.069 U	0.12 U	8.25
Aroclor 1260	SW8082A	0.067 U	0.069 U	0.12 U	21.2
Total PCB Aroclors (U = 0 max limit)		0.059 U	0.062 U	0.10 U	29.5

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-7-8-221027-01-1.4 10/27/2022 1–1.4 ft	SE-BW5A-5-C-7-8-221027-02-2.5 10/27/2022 2–2.5 ft	SE-BW5A-5-C-7-8-221027-03-3.5 10/27/2022 3–3.5 ft	SE-BW5A-5-C-7-8-221027-04-4.5 10/27/2022 4–4.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	8 J	8.47 J	9.26 J	7.21 J
Total solids	SM2540G	37.1	36.3	34.4	33.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.086 U	0.088 U	0.096 U	0.10 U
Aroclor 1221	SW8082A	0.086 U	0.088 U	0.096 U	0.10 U
Aroclor 1232	SW8082A	0.086 U	0.088 U	0.096 U	0.10 U
Aroclor 1242	SW8082A	0.086 U	0.088 U	0.096 U	0.10 U
Aroclor 1248	SW8082A	0.086 U	0.088 U	0.096 U	0.10 U
Aroclor 1254	SW8082A	0.086 U	6.68	0.096 U	0.175
Aroclor 1260	SW8082A	0.123	18.4	0.0912 J	0.436
Total PCB Aroclors (U = 0 max limit)		0.123	25.1	0.0912 J	0.611

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-7-8-221027-2.5-03 10/27/2022 2.5–3 ft	SE-BW5A-5-C-7-8-221027-3.5-04 10/27/2022 3.5–4 ft	SE-BW5A-5-C-7-8-221027-4.5-05 10/27/2022 4.5–5 ft	SE-BW5A-5-C-8-9-221028-00-01 10/28/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	6.93 J	5.79 J	3.09 J	9.47
Total solids	SM2540G	35.5	37.9	47.7	33.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.087 U	0.082 U	0.064 U	0.093 U
Aroclor 1221	SW8082A	0.087 U	0.082 U	0.064 U	0.093 U
Aroclor 1232	SW8082A	0.087 U	0.082 U	0.064 U	0.093 U
Aroclor 1242	SW8082A	0.087 U	0.082 U	0.064 U	0.093 U
Aroclor 1248	SW8082A	0.087 U	0.082 U	0.064 U	0.093 U
Aroclor 1254	SW8082A	0.087 U	0.082 U	0.064 U	4.25 J
Aroclor 1260	SW8082A	0.0969 J	0.082 U	0.064 U	18.8 J
Total PCB Aroclors (U = 0 max limit)		0.0969 J	0.073 U	0.057 U	23.1 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-8-9-221028-01-1.5 10/28/2022 1–1.5 ft	SE-BW5A-5-C-8-9-221028-02-2.5 10/28/2022 2–2.5 ft	SE-BW5A-5-C-8-9-221028-03-3.5 10/28/2022 3–3.5 ft	SE-BW5A-5-C-8-9-221028-1.5-02 10/28/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	9.99	9.49	2.54	10.9
Total solids	SM2540G	30.8	34.5	50.4	31.4
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.10 U	0.093 U	0.066 U	0.099 U
Aroclor 1221	SW8082A	0.10 U	0.093 U	0.066 U	0.099 U
Aroclor 1232	SW8082A	0.10 U	0.093 U	0.066 U	0.099 U
Aroclor 1242	SW8082A	0.10 U	0.093 U	0.066 U	0.099 U
Aroclor 1248	SW8082A	0.10 U	0.093 U	0.066 U	0.099 U
Aroclor 1254	SW8082A	0.351 J	0.093 U	0.066 U	0.099 U
Aroclor 1260	SW8082A	0.699 J	0.093 U	0.066 U	0.099 U
Total PCB Aroclors (U = 0 max limit)		1.05 J	0.083 U	0.059 U	0.088 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-8-9-221028-2.5-03 10/28/2022 2.5–3 ft	SE-BW5A-5-C-8-9-221028-3.5-3.8 10/28/2022 3.5–3.8 ft	SE-BW5A-5-C-8-9-BD0001 10/28/2022 3–3.5 ft	SE-BW5A-5-C-D-10-11-221028-00-01 10/28/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.01	1.65	2.78	8.68
Total solids	SM2540G	47.7	67.2	53.4	34
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.064 U	0.049 U	0.058 U	0.095 U
Aroclor 1221	SW8082A	0.064 U	0.049 U	0.058 U	0.095 U
Aroclor 1232	SW8082A	0.064 U	0.049 U	0.058 U	0.095 U
Aroclor 1242	SW8082A	0.064 U	0.049 U	0.058 U	0.095 U
Aroclor 1248	SW8082A	0.064 U	0.049 U	0.058 U	0.095 U
Aroclor 1254	SW8082A	0.064 U	0.049 U	0.058 U	2.17 J
Aroclor 1260	SW8082A	0.064 U	0.049 U	0.058 U	7.06 J
Total PCB Aroclors (U = 0 max limit)		0.057 U	0.044 U	0.052 U	9.23 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-10-11-221028-02-2.5 10/28/2022 2–2.5 ft	SE-BW5A-5-C-D-10-11-221028-03-3.38 10/28/2022 3–3.38 ft	SE-BW5A-5-C-D-10-11-221028-04-4.5 10/28/2022 4–4.5 ft	SE-BW5A-5-C-D-10-11-221028-2.5-03 10/28/2022 2.5–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	9.44 J	3.96 J	4.4 J	7.34 J
Total solids	SM2540G	29.5	49.8	45.6	35.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.11 U	0.062 U	0.071 U	0.088 U
Aroclor 1221	SW8082A	0.11 U	0.062 U	0.071 U	0.088 U
Aroclor 1232	SW8082A	0.11 U	0.062 U	0.071 U	0.088 U
Aroclor 1242	SW8082A	0.11 U	0.062 U	0.071 U	0.088 U
Aroclor 1248	SW8082A	0.11 U	0.062 U	0.071 U	0.088 U
Aroclor 1254	SW8082A	0.218 J	0.062 U	0.0890 J	0.088 U
Aroclor 1260	SW8082A	0.704 J	0.062 U	0.247 J	0.088 U
Total PCB Aroclors (U = 0 max limit)		0.922 J	0.056 U	0.336 J	0.078 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-10-11-221028-4.5-05 10/28/2022 4.5–5 ft	SE-BW5A-5-C-D-10-11G-221028-00-2.56 10/28/2022 0–2.56 ft	SE-BW5A-5-C-D-18-19-221104-00-01 11/4/2022 0–1 ft	SE-BW5A-5-C-D-18-19-221104-01-1.5 11/4/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	121	--	--
Total organic carbon	Lloyd Kahn	3.43 J	--	4.16 J	8.82 J
Total solids	SM2540G	45.6	--	46.7	35.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	35	--	--
Grain Size (percent)					
Gravel	D422	--	0	--	--
Percent passing (hydrometer 1)	D422	--	54	--	--
Percent passing (hydrometer 2)	D422	--	15	--	--
Percent passing (hydrometer 3)	D422	--	5	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	76.3	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--
Percent passing 50-micron sieve	D422	--	85.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	65.6	--	--
Percent passing 8.0 micron	D422	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	97.3	--	--
Percent retained 30-micron sieve	D422	--	92.6	--	--
Sand	D422	--	34.4	--	--
Silt	D422	--	65.6	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.066 U	--	0.064 U	0.086 U
Aroclor 1221	SW8082A	0.066 U	--	0.064 U	0.086 U
Aroclor 1232	SW8082A	0.066 U	--	0.064 U	0.086 U
Aroclor 1242	SW8082A	0.066 U	--	0.064 U	0.086 U
Aroclor 1248	SW8082A	0.066 U	--	0.064 U	0.086 U
Aroclor 1254	SW8082A	0.066 U	--	1.79	3.56
Aroclor 1260	SW8082A	0.066 U	--	3.33	6.14
Total PCB Aroclors (U = 0 max limit)		0.059 U	--	5.12	9.7

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-18-19-221104-02-2.5 11/4/2022 2–2.5 ft	SE-BW5A-5-C-D-18-19-221104-03-3.5 11/4/2022 3–3.5 ft	SE-BW5A-5-C-D-18-19-221104-1.5-02 11/4/2022 1.5–2 ft	SE-BW5A-5-C-D-18-19-221104-2.5-03 11/4/2022 2.5–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	10.5 J	2.3 J	12.2 J	4.2 J
Total solids	SM2540G	33.8	60.4	32.7	48.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.097 U	0.051 U	0.10 U	0.063 U
Aroclor 1221	SW8082A	0.097 U	0.051 U	0.10 U	0.063 U
Aroclor 1232	SW8082A	0.097 U	0.051 U	0.10 U	0.063 U
Aroclor 1242	SW8082A	0.097 U	0.051 U	0.10 U	0.063 U
Aroclor 1248	SW8082A	0.097 U	0.051 U	0.10 U	0.063 U
Aroclor 1254	SW8082A	0.097 U	0.051 U	0.143	0.063 U
Aroclor 1260	SW8082A	0.097 U	0.0294 J	0.139	0.063 U
Total PCB Aroclors (U = 0 max limit)		0.086 U	0.0294 J	0.282	0.056 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-19-20-221104-00-01 11/4/2022 0–1 ft	SE-BW5A-5-C-D-19-20-221104-01-1.5 11/4/2022 1–1.5 ft	SE-BW5A-5-C-D-19-20-221104-02-2.34 11/4/2022 2–2.34 ft	SE-BW5A-5-C-D-19-20-221104-1.5-02 11/4/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	6.08	4.41	6.69 J	8.95 J
Total solids	SM2540G	42.5	48.1	42.9	39.4
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.072 U	0.066 U	0.076 U	0.080 U
Aroclor 1221	SW8082A	0.072 U	0.066 U	0.076 U	0.080 U
Aroclor 1232	SW8082A	0.072 U	0.066 U	0.076 U	0.080 U
Aroclor 1242	SW8082A	0.072 U	0.066 U	0.076 U	0.080 U
Aroclor 1248	SW8082A	0.072 U	0.066 U	0.076 U	0.080 U
Aroclor 1254	SW8082A	2.24 J	1.8 J	0.076 U	0.399 J
Aroclor 1260	SW8082A	2.66 J	1.97 J	0.076 U	0.403 J
Total PCB Aroclors (U = 0 max limit)		4.90 J	3.8 J	0.068 U	0.802 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-6-7-221027-00-01 10/27/2022 0–1 ft	SE-BW5A-5-C-D-6-7-221027-01-1.11 10/27/2022 1–1.11 ft	SE-BW5A-5-C-D-6-7-221027-02-2.5 10/27/2022 2–2.5 ft	SE-BW5A-5-C-D-6-7-221027-03-3.5 10/27/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.45 J	5.63 J	2.48 J	2.11 J
Total solids	SM2540G	41.9	39.5	51.2	60.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.073 U	0.078 U	0.061 U	0.052 U
Aroclor 1221	SW8082A	0.073 U	0.078 U	0.061 U	0.052 U
Aroclor 1232	SW8082A	0.073 U	0.078 U	0.061 U	0.052 U
Aroclor 1242	SW8082A	0.073 U	0.078 U	0.061 U	0.052 U
Aroclor 1248	SW8082A	0.073 U	0.078 U	0.061 U	0.052 U
Aroclor 1254	SW8082A	7.08	0.582	0.061 U	0.052 U
Aroclor 1260	SW8082A	21.8	2.36	0.061 U	0.0321 J
Total PCB Aroclors (U = 0 max limit)		28.9	2.94	0.054 U	0.0321 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-6-7-221027-04-4.5 10/27/2022 4–4.5 ft	SE-BW5A-5-C-D-6-7-221027-2.5-03 10/27/2022 2.5–3 ft	SE-BW5A-5-C-D-6-7-221027-3.5-04 10/27/2022 3.5–4 ft	SE-BW5A-5-C-D-6-7-221027-4.5-05 10/27/2022 4.5–5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.63 J	1.62 J	3.83 J	2.11 J
Total solids	SM2540G	51.8	57.6	43.2	54.4
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.060 U	0.053 U	0.070 U	0.061 U
Aroclor 1221	SW8082A	0.060 U	0.053 U	0.070 U	0.061 U
Aroclor 1232	SW8082A	0.060 U	0.053 U	0.070 U	0.061 U
Aroclor 1242	SW8082A	0.060 U	0.053 U	0.070 U	0.061 U
Aroclor 1248	SW8082A	0.060 U	0.053 U	0.070 U	0.061 U
Aroclor 1254	SW8082A	0.286	0.053 U	0.382	0.061 U
Aroclor 1260	SW8082A	0.891	0.053 U	1.05	0.061 U
Total PCB Aroclors (U = 0 max limit)		1.18	0.047 U	1.43	0.054 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-7-8-221027-00-01 10/27/2022 0–1 ft	SE-BW5A-5-C-D-7-8-221027-01-1.5 10/27/2022 1–1.5 ft	SE-BW5A-5-C-D-7-8-221027-02-2.5 10/27/2022 2–2.5 ft	SE-BW5A-5-C-D-7-8-221027-03-3.5 10/27/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	5.98 J	6.99 J	2.15 J	3.6 J
Total solids	SM2540G	35.9	29.8	40.6	48
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.093 U	0.11 U	0.081 U	0.069 U
Aroclor 1221	SW8082A	0.093 U	0.11 U	0.081 U	0.069 U
Aroclor 1232	SW8082A	0.093 U	0.11 U	0.081 U	0.069 U
Aroclor 1242	SW8082A	0.093 U	0.11 U	0.081 U	0.069 U
Aroclor 1248	SW8082A	0.093 U	0.11 U	0.081 U	0.069 U
Aroclor 1254	SW8082A	4.11 J	0.11 U	0.081 U	0.069 U
Aroclor 1260	SW8082A	11.5 J	0.161 J	0.081 U	0.069 U
Total PCB Aroclors (U = 0 max limit)		15.6 J	0.161 J	0.072 U	0.062 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-7-8-221027-04-4.5 10/27/2022 4–4.5 ft	SE-BW5A-5-C-D-7-8-221027-1.5-1.78 10/27/2022 1.5–1.78 ft	SE-BW5A-5-C-D-7-8-221027-2.5-03 10/27/2022 2.5–3 ft	SE-BW5A-5-C-D-7-8-221027-3.5-04 10/27/2022 3.5–4 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	3.59 J	5.89 J	2.22 J	5.78 J
Total solids	SM2540G	45.9	36	59	40.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.071 U	0.091 U	0.056 U	0.080 U
Aroclor 1221	SW8082A	0.071 U	0.091 U	0.056 U	0.080 U
Aroclor 1232	SW8082A	0.071 U	0.091 U	0.056 U	0.080 U
Aroclor 1242	SW8082A	0.071 U	0.091 U	0.056 U	0.080 U
Aroclor 1248	SW8082A	0.071 U	0.091 U	0.056 U	0.080 U
Aroclor 1254	SW8082A	0.071 U	0.091 U	0.056 U	0.080 U
Aroclor 1260	SW8082A	0.102	0.091 U	0.056 U	0.0531 J
Total PCB Aroclors (U = 0 max limit)		0.102	0.082 U	0.050 U	0.0531 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-7-8-221027-4.5-05 10/27/2022 4.5–5 ft	SE-BW5A-5-C-D-7-8-BD0001 10/27/2022 0–1 ft	SE-BW5A-5-C-D-8-9-221028-00-01 10/28/2022 0–1 ft	SE-BW5A-5-C-D-8-9-221028-01-1.5 10/28/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	3.38 J	6.29	5.79 J	10.5 J
Total solids	SM2540G	46.5	36.1	37.2	33.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.067 U	0.084 U	0.080 U	0.096 U
Aroclor 1221	SW8082A	0.067 U	0.084 U	0.080 U	0.096 U
Aroclor 1232	SW8082A	0.067 U	0.084 U	0.080 U	0.096 U
Aroclor 1242	SW8082A	0.067 U	0.084 U	0.080 U	0.096 U
Aroclor 1248	SW8082A	0.067 U	0.084 U	0.080 U	0.096 U
Aroclor 1254	SW8082A	0.067 U	0.839 J	0.169	0.096 U
Aroclor 1260	SW8082A	0.067 U	2.91 J	0.416	0.096 U
Total PCB Aroclors (U = 0 max limit)		0.060 U	3.75 J	0.585	0.086 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-8-9-221028-02-2.5 10/28/2022 2–2.5 ft	SE-BW5A-5-C-D-8-9-221028-03-3.42 10/28/2022 3–3.42 ft	SE-BW5A-5-C-D-8-9-221028-1.5-02 10/28/2022 1.5–2 ft	SE-BW5A-5-C-D-8-9-221028-2.5-03 10/28/2022 2.5–3 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	5.63 J	1.99 J	9.15 J	1.93 J
Total solids	SM2540G	34.2	58.3	33.5	51.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.092 U	0.054 U	0.099 U	0.063 U
Aroclor 1221	SW8082A	0.092 U	0.054 U	0.099 U	0.063 U
Aroclor 1232	SW8082A	0.092 U	0.054 U	0.099 U	0.063 U
Aroclor 1242	SW8082A	0.092 U	0.054 U	0.099 U	0.063 U
Aroclor 1248	SW8082A	0.092 U	0.054 U	0.099 U	0.063 U
Aroclor 1254	SW8082A	0.092 U	0.054 U	0.099 U	0.063 U
Aroclor 1260	SW8082A	0.092 U	0.054 U	0.099 U	0.063 U
Total PCB Aroclors (U = 0 max limit)		0.082 U	0.048 U	0.088 U	0.056 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-8-9G-221028-00-3.42 10/28/2022 0–3.42 ft	SE-BW5A-5-C-D-9-10-221028-00-01 10/28/2022 0–1 ft	SE-BW5A-5-C-D-9-10-221028-01-1.5 10/28/2022 1–1.5 ft	SE-BW5A-5-C-D-9-10-221028-02-2.31 10/28/2022 2–2.31 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	158	--	--	--
Total organic carbon	Lloyd Kahn	--	7.52 J	8.18 J	2.25 J
Total solids	SM2540G	--	27.9	26.8	50.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	0	--	--	--
Percent passing (hydrometer 1)	D422	39	--	--	--
Percent passing (hydrometer 2)	D422	10	--	--	--
Percent passing (hydrometer 3)	D422	5	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	74.2	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--
Percent passing 50-micron sieve	D422	87.1	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	65.6	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--
Percent retained 16,000-micron sieve	D422	99.8	--	--	--
Percent retained 30-micron sieve	D422	93.3	--	--	--
Sand	D422	34.4	--	--	--
Silt	D422	65.6	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	--	0.11 U	0.12 U	0.061 U
Aroclor 1221	SW8082A	--	0.11 U	0.12 U	0.061 U
Aroclor 1232	SW8082A	--	0.11 U	0.12 U	0.061 U
Aroclor 1242	SW8082A	--	0.11 U	0.12 U	0.061 U
Aroclor 1248	SW8082A	--	0.11 U	0.12 U	0.061 U
Aroclor 1254	SW8082A	--	1.35	0.12 U	0.061 U
Aroclor 1260	SW8082A	--	3.48	0.0961 J	0.061 U
Total PCB Aroclors (U = 0 max limit)		--	4.83	0.0961 J	0.055 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-C-D-9-10-221028-1.5-02 10/28/2022 1.5–2 ft	SE-BW5A-5-D-11-12-221031-00-0.9 10/31/2022 0–0.9 ft	SE-BW5A-5-D-11-12-221031-02-2.5 10/31/2022 2–2.5 ft	SE-BW5A-5-D-11-12-221031-03-3.5 10/31/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.46 J	11 J	13.7 J	4.84 J
Total solids	SM2540G	37.3	27	23.1	41.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.082 U	0.12 U	0.14 U	0.077 U
Aroclor 1221	SW8082A	0.082 U	0.12 U	0.14 U	0.077 U
Aroclor 1232	SW8082A	0.082 U	0.12 U	0.14 U	0.077 U
Aroclor 1242	SW8082A	0.082 U	0.12 U	0.14 U	0.077 U
Aroclor 1248	SW8082A	0.082 U	0.12 U	0.14 U	0.077 U
Aroclor 1254	SW8082A	0.082 U	1.83	0.305 J	0.077 U
Aroclor 1260	SW8082A	0.082 U	3.57	0.555 J	0.077 U
Total PCB Aroclors (U = 0 max limit)		0.073 U	5.4	0.860 J	0.069 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-11-12-221031-04-4.5 10/31/2022 4–4.5 ft	SE-BW5A-5-D-11-12-221031-2.5-03 10/31/2022 2.5–3 ft	SE-BW5A-5-D-11-12-221031-3.5-3.8 10/31/2022 3.5–3.8 ft	SE-BW5A-5-D-11-12-221031-4.5-05 10/31/2022 4.5–5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	10.5 J	12.5 J	6.02 J	5.42 J
Total solids	SM2540G	30.5	25.4	36.5	38.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.11 U	0.13 U	0.086 U	0.081 U
Aroclor 1221	SW8082A	0.11 U	0.13 U	0.086 U	0.081 U
Aroclor 1232	SW8082A	0.11 U	0.13 U	0.086 U	0.081 U
Aroclor 1242	SW8082A	0.11 U	0.13 U	0.086 U	0.081 U
Aroclor 1248	SW8082A	0.11 U	0.13 U	0.086 U	0.081 U
Aroclor 1254	SW8082A	0.241	0.13 U	0.086 U	0.081 U
Aroclor 1260	SW8082A	0.444	0.13 U	0.512 J	0.081 U
Total PCB Aroclors (U = 0 max limit)		0.685	0.12 U	0.512 J	0.073 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-17-18-221104-00-01 11/4/2022 0–1 ft	SE-BW5A-5-D-17-18-221104-02-2.5 11/4/2022 2–2.5 ft	SE-BW5A-5-D-17-18-221104-04-4.5 11/4/2022 4–4.5 ft	SE-BW5A-5-D-17-18-221104-2.5-2.85 11/4/2022 2.5–2.85 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	12	11.1	4.64	12.9
Total solids	SM2540G	25.1	30.2	46.2	28.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.13 U	0.11 U	0.066 U	0.11 U
Aroclor 1221	SW8082A	0.13 U	0.11 U	0.066 U	0.11 U
Aroclor 1232	SW8082A	0.13 U	0.11 U	0.066 U	0.11 U
Aroclor 1242	SW8082A	0.13 U	0.11 U	0.066 U	0.11 U
Aroclor 1248	SW8082A	0.13 U	0.11 U	0.066 U	0.11 U
Aroclor 1254	SW8082A	7.87	0.17	0.066 U	0.353
Aroclor 1260	SW8082A	13.2	0.293	0.066 U	0.66
Total PCB Aroclors (U = 0 max limit)		21.1	0.46	0.059 U	1

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-17-18-221104-4.5-05 11/4/2022 4.5–5 ft	SE-BW5A-5-D-18-19-221104-00-01 11/4/2022 0–1 ft	SE-BW5A-5-D-18-19-221104-01-1.5 11/4/2022 1–1.5 ft	SE-BW5A-5-D-18-19-221104-1.5-1.75 11/4/2022 1.5–1.75 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	3.96	6.81	5.76 J	2.71 J
Total solids	SM2540G	49.5	38.8	40.4	52
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.066 U	0.084 U	0.076 U	0.060 U
Aroclor 1221	SW8082A	0.066 U	0.084 U	0.076 U	0.060 U
Aroclor 1232	SW8082A	0.066 U	0.084 U	0.076 U	0.060 U
Aroclor 1242	SW8082A	0.066 U	0.084 U	0.076 U	0.060 U
Aroclor 1248	SW8082A	0.066 U	0.084 U	0.076 U	0.060 U
Aroclor 1254	SW8082A	0.066 U	2.56 J	0.518	0.0717
Aroclor 1260	SW8082A	0.066 U	4.53 J	1.03	0.152
Total PCB Aroclors (U = 0 max limit)		0.059 U	7.09 J	1.55	0.224

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-19-20-221107-00-01 11/7/2022 0–1 ft	SE-BW5A-5-D-19-20-221107-01-1.5 11/7/2022 1–1.5 ft	SE-BW5A-5-D-19-20-221107-1.5-1.82 11/7/2022 1.5–1.82 ft	SE-BW5A-5-D-19-20G-221107-0.3-1.82 11/7/2022 0.3–1.82 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	53.4
Total organic carbon	Lloyd Kahn	0.184 J	0.371 J	0.122 J	--
Total solids	SM2540G	76.9	75.7	77.2	--
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	0.36
Percent passing (hydrometer 1)	D422	--	--	--	5
Percent passing (hydrometer 2)	D422	--	--	--	4
Percent passing (hydrometer 3)	D422	--	--	--	2.5
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	95.8
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	12.1
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	84.7
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	90.6
Percent passing 50-micron sieve	D422	--	--	--	25.2
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	8.1
Percent passing 8.0 micron	D422	--	--	--	85.7
Percent retained 16,000-micron sieve	D422	--	--	--	78.5
Percent retained 30-micron sieve	D422	--	--	--	58
Sand	D422	--	--	--	82.5
Silt	D422	--	--	--	8.1
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.041 U	0.040 U	0.039 U	--
Aroclor 1221	SW8082A	0.041 U	0.040 U	0.039 U	--
Aroclor 1232	SW8082A	0.041 U	0.040 U	0.039 U	--
Aroclor 1242	SW8082A	0.041 U	0.040 U	0.039 U	--
Aroclor 1248	SW8082A	0.041 U	0.040 U	0.039 U	--
Aroclor 1254	SW8082A	0.041 U	0.040 U	0.039 U	--
Aroclor 1260	SW8082A	0.041 U	0.040 U	0.0772	--
Total PCB Aroclors (U = 0 max limit)		0.036 U	0.04 U	0.0772	--

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-20-21-221108-00-01 11/8/2022 0–1 ft	SE-BW5A-5-D-20-21-221108-01-1.5 11/8/2022 1–1.5 ft	SE-BW5A-5-D-20-21-221108-02-2.2 11/8/2022 2–2.2 ft	SE-BW5A-5-D-20-21-221108-1.5-02 11/8/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.192 J	0.139 J	0.0823 J	0.0683 J
Total solids	SM2540G	77.6	74.8	74.5	74.6
Conventional Parameters (lb/ft ³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.041 U	0.043 U	0.042 U	0.044 U
Aroclor 1221	SW8082A	0.041 U	0.043 U	0.042 U	0.044 U
Aroclor 1232	SW8082A	0.041 U	0.043 U	0.042 U	0.044 U
Aroclor 1242	SW8082A	0.041 U	0.043 U	0.042 U	0.044 U
Aroclor 1248	SW8082A	0.041 U	0.043 U	0.042 U	0.044 U
Aroclor 1254	SW8082A	0.0443 J	0.043 U	0.042 U	0.044 U
Aroclor 1260	SW8082A	0.0875 J	0.043 U	0.042 U	0.044 U
Total PCB Aroclors (U = 0 max limit)		0.132 J	0.039 U	0.038 U	0.039 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-9-10-221028-00-01 10/28/2022 0–1 ft	SE-BW5A-5-D-9-10-221028-01-1.5 10/28/2022 1–1.5 ft	SE-BW5A-5-D-9-10-221028-1.5-02 10/28/2022 1.5–2 ft	SE-BW5A-5-D-E-10-11-221028-00-01 10/28/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.46 J	0.093 J	0.038 J	0.907 J
Total solids	SM2540G	49.8	76.2	74.9	76.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.066 U	0.040 U	0.040 U	0.040 U
Aroclor 1221	SW8082A	0.066 U	0.040 U	0.040 U	0.040 U
Aroclor 1232	SW8082A	0.066 U	0.040 U	0.040 U	0.040 U
Aroclor 1242	SW8082A	0.066 U	0.040 U	0.040 U	0.040 U
Aroclor 1248	SW8082A	0.066 U	0.040 U	0.040 U	0.040 U
Aroclor 1254	SW8082A	1.59	0.040 U	0.040 U	0.061
Aroclor 1260	SW8082A	5.17	0.0252 J	0.040 U	0.203
Total PCB Aroclors (U = 0 max limit)		6.76	0.0252 J	0.04 U	0.264

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-10-11-221028-01-1.5 10/28/2022 1–1.5 ft	SE-BW5A-5-D-E-10-11-221028-02-2.33 10/28/2022 2–2.33 ft	SE-BW5A-5-D-E-10-11-221028-1.5-02 10/28/2022 1.5–2 ft	SE-BW5A-5-D-E-11-12-221031-00-01 10/31/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.435 J	9.92 J	6.99 J	3.78 J
Total solids	SM2540G	74.1	34.1	41.3	53.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.042 U	0.094 U	0.077 U	0.059 U
Aroclor 1221	SW8082A	0.042 U	0.094 U	0.077 U	0.059 U
Aroclor 1232	SW8082A	0.042 U	0.094 U	0.077 U	0.059 U
Aroclor 1242	SW8082A	0.042 U	0.094 U	0.077 U	0.059 U
Aroclor 1248	SW8082A	0.042 U	0.094 U	0.077 U	0.059 U
Aroclor 1254	SW8082A	0.0374 J	0.094 U	0.669	1.7 J
Aroclor 1260	SW8082A	0.0679	0.094 U	1.64	4.66 J
Total PCB Aroclors (U = 0 max limit)		0.105 J	0.084 U	2.31	6.4 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-11-12-221031-01-1.5 10/31/2022 1–1.5 ft	SE-BW5A-5-D-E-11-12-221031-02-2.5 10/31/2022 2–2.5 ft	SE-BW5A-5-D-E-11-12-221031-1.5-02 10/31/2022 1.5–2 ft	SE-BW5A-5-D-E-11-12-221031-2.5-2.9 10/31/2022 2.5–2.9 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	7.36 J	9.52 J	10.2 J	4.49 J
Total solids	SM2540G	32.2	35.6	34.9	48.4
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.098 U	0.092 U	0.090 U	0.065 U
Aroclor 1221	SW8082A	0.098 U	0.092 U	0.090 U	0.065 U
Aroclor 1232	SW8082A	0.098 U	0.092 U	0.090 U	0.065 U
Aroclor 1242	SW8082A	0.098 U	0.092 U	0.090 U	0.065 U
Aroclor 1248	SW8082A	0.098 U	0.092 U	0.090 U	0.065 U
Aroclor 1254	SW8082A	0.0849 J	0.092 U	0.090 U	0.065 U
Aroclor 1260	SW8082A	0.189 J	0.092 U	0.090 U	0.065 U
Total PCB Aroclors (U = 0 max limit)		0.274 J	0.082 U	0.08 U	0.058 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-11-12-BD0001 10/31/2022 0–1 ft	SE-BW5A-5-D-E-12-13-221031-00-01 10/31/2022 0–1 ft	SE-BW5A-5-D-E-12-13-221031-01-1.5 10/31/2022 1–1.5 ft	SE-BW5A-5-D-E-12-13-221031-02-2.5 10/31/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	3.08 J	12.5 J	10 J	4.69 J
Total solids	SM2540G	51.9	31.7	35.1	43
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.062 U	0.10 U	0.084 U	0.076 U
Aroclor 1221	SW8082A	0.062 U	0.10 U	0.084 U	0.076 U
Aroclor 1232	SW8082A	0.062 U	0.10 U	0.084 U	0.076 U
Aroclor 1242	SW8082A	0.062 U	0.10 U	0.084 U	0.076 U
Aroclor 1248	SW8082A	0.062 U	0.10 U	0.084 U	0.076 U
Aroclor 1254	SW8082A	0.633 J	1.11	0.084 U	0.076 U
Aroclor 1260	SW8082A	1.43 J	1.73	0.084 U	0.076 U
Total PCB Aroclors (U = 0 max limit)		2.06 J	2.84	0.075 U	0.067 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-12-13-221031-1.5-02 10/31/2022 1.5–2 ft	SE-BW5A-5-D-E-12-13-221031-2.5-2.87 10/31/2022 2.5–2.87 ft	SE-BW5A-5-D-E-13-14-221101-00-01 11/1/2022 0–1 ft	SE-BW5A-5-D-E-13-14-221101-01-1.1 11/1/2022 1–1.1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	8.53 J	5.35 J	10.6 J	18.3 J
Total solids	SM2540G	36.2	33.9	25.8	19
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.086 U	0.096 U	0.12 U	0.17 U
Aroclor 1221	SW8082A	0.086 U	0.096 U	0.12 U	0.17 U
Aroclor 1232	SW8082A	0.086 U	0.096 U	0.12 U	0.17 U
Aroclor 1242	SW8082A	0.086 U	0.096 U	0.12 U	0.17 U
Aroclor 1248	SW8082A	0.086 U	0.096 U	0.12 U	0.17 U
Aroclor 1254	SW8082A	0.086 U	0.096 U	1.5	0.17 U
Aroclor 1260	SW8082A	59.1 J	0.096 U	4.27	0.259
Total PCB Aroclors (U = 0 max limit)		59.1 J	0.085 U	5.8	0.259

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-13-14-221101-02-2.5 11/1/2022 2–2.5 ft	SE-BW5A-5-D-E-13-14-221101-04-4.5 11/1/2022 4–4.5 ft	SE-BW5A-5-D-E-13-14-221101-2.5-03 11/1/2022 2.5–3 ft	SE-BW5A-5-D-E-13-14-221101-4.5-05 11/1/2022 4.5–5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	10.4 J	10.8 J	11.1 J	5.06 J
Total solids	SM2540G	28	24.8	25.6	44.4
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.12 U	0.12 U	0.12 U	0.068 U
Aroclor 1221	SW8082A	0.12 U	0.12 U	0.12 U	0.068 U
Aroclor 1232	SW8082A	0.12 U	0.12 U	0.12 U	0.068 U
Aroclor 1242	SW8082A	0.12 U	0.12 U	0.12 U	0.068 U
Aroclor 1248	SW8082A	0.12 U	0.12 U	0.12 U	0.068 U
Aroclor 1254	SW8082A	0.16	0.975	0.12 U	0.068 U
Aroclor 1260	SW8082A	0.35	2.26	0.12 U	0.0496 J
Total PCB Aroclors (U = 0 max limit)		0.51	3.24	0.11 U	0.0496 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-14-15-221101-00-0.8 11/1/2022 0–0.8 ft	SE-BW5A-5-D-E-14-15-221101-02-2.5 11/1/2022 2–2.5 ft	SE-BW5A-5-D-E-14-15-221101-04-4.5 11/1/2022 4–4.5 ft	SE-BW5A-5-D-E-14-15-221101-2.5-2.95 11/1/2022 2.5–2.95 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	10.6 J	12.2 J	11.2 J	14.7 J
Total solids	SM2540G	29	24.4	26.2	25.1
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.11 U	0.13 U	0.12 U	0.12 U
Aroclor 1221	SW8082A	0.11 U	0.13 U	0.12 U	0.12 U
Aroclor 1232	SW8082A	0.11 U	0.13 U	0.12 U	0.12 U
Aroclor 1242	SW8082A	0.11 U	0.13 U	0.12 U	0.12 U
Aroclor 1248	SW8082A	0.11 U	0.13 U	0.12 U	0.12 U
Aroclor 1254	SW8082A	8.32 J	0.811 J	0.181 J	0.12 U
Aroclor 1260	SW8082A	35.6 J	3.95 J	0.967 J	0.119 J
Total PCB Aroclors (U = 0 max limit)		43.9 J	4.76 J	1.15 J	0.119 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-14-15-221101-4.5-05 11/1/2022 4.5–5 ft	SE-BW5A-5-D-E-15-16-221102-00-0.9 11/2/2022 0–0.9 ft	SE-BW5A-5-D-E-15-16-221102-02-2.5 11/2/2022 2–2.5 ft	SE-BW5A-5-D-E-15-16-221102-03-3.4 11/2/2022 3–3.4 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	14.4 J	11.8 J	12.4 J	12.9 J
Total solids	SM2540G	25	30.2	25.8	26.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.12 U	0.10 U	0.12 U	0.11 U
Aroclor 1221	SW8082A	0.12 U	0.10 U	0.12 U	0.11 U
Aroclor 1232	SW8082A	0.12 U	0.10 U	0.12 U	0.11 U
Aroclor 1242	SW8082A	0.12 U	0.10 U	0.12 U	0.11 U
Aroclor 1248	SW8082A	0.12 U	0.10 U	0.12 U	0.11 U
Aroclor 1254	SW8082A	0.61 J	8.17	2.43	0.11 U
Aroclor 1260	SW8082A	2.9 J	19.8	6.64	0.119
Total PCB Aroclors (U = 0 max limit)		3.5 J	28	9.07	0.119

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-15-16-221102-2.5-03 11/2/2022 2.5–3 ft	SE-BW5A-5-D-E-16-17-221103-00-01 11/3/2022 0–1 ft	SE-BW5A-5-D-E-16-17-221103-02-2.5 11/3/2022 2–2.5 ft	SE-BW5A-5-D-E-16-17-221103-03-3.5 11/3/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	17.4 J	7.56 J	9.62 J	16.1 J
Total solids	SM2540G	24.2	40.3	32.2	23.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.13 U	0.073 U	0.095 U	0.13 U
Aroclor 1221	SW8082A	0.13 U	0.073 U	0.095 U	0.13 U
Aroclor 1232	SW8082A	0.13 U	0.073 U	0.095 U	0.13 U
Aroclor 1242	SW8082A	0.13 U	0.073 U	0.095 U	0.13 U
Aroclor 1248	SW8082A	0.13 U	0.073 U	0.095 UJ	0.13 U
Aroclor 1254	SW8082A	0.13 U	2.7	3.21	0.13 U
Aroclor 1260	SW8082A	0.118 J	5.79	6.42	0.13 U
Total PCB Aroclors (U = 0 max limit)		0.118 J	8.5	9.63 J	0.12 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-16-17-221103-04-4.5 11/3/2022 4–4.5 ft	SE-BW5A-5-D-E-16-17-221103-2.5-03 11/3/2022 2.5–3 ft	SE-BW5A-5-D-E-16-17-221103-4.5-05 11/3/2022 4.5–5 ft	SE-BW5A-5-D-E-16-17-BD0001 11/3/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	12.2 J	9.55 J	17.5 J	6.85 J
Total solids	SM2540G	27.6	29.3	22.1	38.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.11 U	0.11 U	0.13 U	--
Aroclor 1221	SW8082A	0.11 U	0.11 U	0.13 U	--
Aroclor 1232	SW8082A	0.11 U	0.11 U	0.13 U	--
Aroclor 1242	SW8082A	0.11 U	0.11 U	0.13 U	--
Aroclor 1248	SW8082A	0.11 U	0.11 U	0.13 U	--
Aroclor 1254	SW8082A	1.72	0.938	0.13 U	--
Aroclor 1260	SW8082A	4.09	1.13	0.13 U	--
Total PCB Aroclors (U = 0 max limit)		5.81	2.07	0.12 U	--

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-17-18-221103-00-01 11/3/2022 0–1 ft	SE-BW5A-5-D-E-17-18-221103-01-1.5 11/3/2022 1–1.5 ft	SE-BW5A-5-D-E-17-18-221103-02-2.3 11/3/2022 2–2.3 ft	SE-BW5A-5-D-E-17-18-221103-1.5-02 11/3/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	7.3 J	16.2 J	6.11 J	11.5 J
Total solids	SM2540G	39.2	24.3	46.6	22.6
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.076 U	0.13 U	0.066 U	0.14 U
Aroclor 1221	SW8082A	0.076 U	0.13 U	0.066 U	0.14 U
Aroclor 1232	SW8082A	0.076 U	0.13 U	0.066 U	0.14 U
Aroclor 1242	SW8082A	0.076 U	0.13 U	0.066 U	0.14 U
Aroclor 1248	SW8082A	0.076 U	0.13 U	0.066 U	0.14 U
Aroclor 1254	SW8082A	1.28	0.13 U	0.066 U	0.14 U
Aroclor 1260	SW8082A	2.48	0.13 U	0.066 U	0.14 U
Total PCB Aroclors (U = 0 max limit)		3.76	0.11 U	0.059 U	0.12 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-21-22-221108-00-01 11/8/2022 0–1 ft	SE-BW5A-5-D-E-21-22-221108-01-1.5 11/8/2022 1–1.5 ft	SE-BW5A-5-D-E-21-22-221108-02-2.3 11/8/2022 2–2.3 ft	SE-BW5A-5-D-E-21-22-221108-1.5-02 11/8/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.59 J	0.0932 J	0.0364 J	0.0294 J
Total solids	SM2540G	57.4	72.7	76	77.6
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.053 U	0.042 U	0.042 U	0.040 U
Aroclor 1221	SW8082A	0.053 U	0.042 U	0.042 U	0.040 U
Aroclor 1232	SW8082A	0.053 U	0.042 U	0.042 U	0.040 U
Aroclor 1242	SW8082A	0.053 U	0.042 U	0.042 U	0.040 U
Aroclor 1248	SW8082A	0.053 U	0.042 U	0.042 U	0.040 U
Aroclor 1254	SW8082A	0.788 J	0.042 U	0.042 U	0.040 U
Aroclor 1260	SW8082A	0.97 J	0.042 U	0.042 U	0.040 U
Total PCB Aroclors (U = 0 max limit)		1.8 J	0.037 U	0.038 U	0.04 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-D-E-21-22-BD0001 11/8/2022 1.5–2 ft	SE-BW5A-5-E-12-13-221031-00-01 10/31/2022 0–1 ft	SE-BW5A-5-E-12-13-221031-01-1.33 10/31/2022 1–1.33 ft	SE-BW5A-5-E-12-13-221031-02-2.5 10/31/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.0535 J	2.12 J	4.1 J	1.42 J
Total solids	SM2540G	76.3	80.2	52	72.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.040 U	0.040 U	0.062 U	0.045 U
Aroclor 1221	SW8082A	0.040 U	0.040 U	0.062 U	0.045 U
Aroclor 1232	SW8082A	0.040 U	0.040 U	0.062 U	0.045 U
Aroclor 1242	SW8082A	0.040 U	0.040 U	0.062 U	0.045 U
Aroclor 1248	SW8082A	0.040 U	0.040 U	0.062 U	0.045 U
Aroclor 1254	SW8082A	0.040 U	0.158 J	3.05	0.266 J
Aroclor 1260	SW8082A	0.040 U	0.706 J	7.09	0.717 J
Total PCB Aroclors (U = 0 max limit)		0.04 U	0.864 J	10.1	0.983 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-E-12-13-221031-03-3.45 10/31/2022 3–3.45 ft	SE-BW5A-5-E-12-13-221031-04-4.5 10/31/2022 4–4.5 ft	SE-BW5A-5-E-12-13-221031-2.5-03 10/31/2022 2.5–3 ft	SE-BW5A-5-E-12-13-221031-4.5-05 10/31/2022 4.5–5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.161 J	0.562 J	0.248 J	0.13 J
Total solids	SM2540G	73.9	80	77.9	78.6
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.044 U	0.040 U	0.041 U	0.040 U
Aroclor 1221	SW8082A	0.044 U	0.040 U	0.041 U	0.040 U
Aroclor 1232	SW8082A	0.044 U	0.040 U	0.041 U	0.040 U
Aroclor 1242	SW8082A	0.044 U	0.040 U	0.041 U	0.040 U
Aroclor 1248	SW8082A	0.044 U	0.040 U	0.041 U	0.040 U
Aroclor 1254	SW8082A	0.044 U	0.283 J	0.041 U	0.040 U
Aroclor 1260	SW8082A	0.044 U	0.647 J	0.041 U	0.040 U
Total PCB Aroclors (U = 0 max limit)		0.039 U	0.930 J	0.037 U	0.04 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-E-13-14-221031-00-01 10/31/2022 0–1 ft	SE-BW5A-5-E-13-14-221031-01-1.2 10/31/2022 1–1.2 ft	SE-BW5A-5-E-13-14-221031-04-4.5 10/31/2022 4–4.5 ft	SE-BW5A-5-E-13-14-221031-4.5-05 10/31/2022 4.5–5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.6 J	0.388 J	2.24 J	0.517 J
Total solids	SM2540G	67.5	82.5	68.2	84.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.048 U	0.038 U	0.049 U	0.038 U
Aroclor 1221	SW8082A	0.048 U	0.038 U	0.049 U	0.038 U
Aroclor 1232	SW8082A	0.048 U	0.038 U	0.049 U	0.038 U
Aroclor 1242	SW8082A	0.048 U	0.038 U	0.049 U	0.038 U
Aroclor 1248	SW8082A	0.048 U	0.038 U	0.049 U	0.038 U
Aroclor 1254	SW8082A	0.303 J	0.038 U	0.191 J	0.038 U
Aroclor 1260	SW8082A	1.89 J	0.0253 J	0.288 J	0.038 U
Total PCB Aroclors (U = 0 max limit)		2.19 J	0.0253 J	0.479 J	0.034 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-E-13-14-BD0001 10/31/2022 4–4.5 ft	SE-BW5A-5-E-14-15-221101-00-01 11/1/2022 0–1 ft	SE-BW5A-5-E-14-15-221101-01-1.5 11/1/2022 1–1.5 ft	SE-BW5A-5-E-14-15-221101-02-2.5 11/1/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.17 J	2.26 J	2.58 J	0.668 J
Total solids	SM2540G	65.3	62.2	69.5	70.4
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.051 U	0.047 U	0.044 U	0.044 U
Aroclor 1221	SW8082A	0.051 U	0.047 U	0.044 U	0.044 U
Aroclor 1232	SW8082A	0.051 U	0.047 U	0.044 U	0.044 U
Aroclor 1242	SW8082A	0.051 U	0.047 U	0.044 U	0.044 U
Aroclor 1248	SW8082A	0.051 U	0.047 U	0.044 U	0.044 U
Aroclor 1254	SW8082A	0.0662 J	0.745 J	0.044 U	0.044 U
Aroclor 1260	SW8082A	0.132 J	1.12 J	0.0248 J	0.044 U
Total PCB Aroclors (U = 0 max limit)		0.198 J	1.87 J	0.0248 J	0.040 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-E-14-15-221101-1.5-02 11/1/2022 1.5–2 ft	SE-BW5A-5-E-14-15-221101-2.5-03 11/1/2022 2.5–3 ft	SE-BW5A-5-E-15-16-221102-00-01 11/2/2022 0–1 ft	SE-BW5A-5-E-15-16-221102-02-2.5 11/2/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.18 J	0.0735 J	5.07 J	3.84 J
Total solids	SM2540G	71.2	78.2	60.1	52.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.045 U	0.039 U	0.052 U	0.058 U
Aroclor 1221	SW8082A	0.045 U	0.039 U	0.052 U	0.058 U
Aroclor 1232	SW8082A	0.045 U	0.039 U	0.052 U	0.058 U
Aroclor 1242	SW8082A	0.045 U	0.039 U	0.052 U	0.058 U
Aroclor 1248	SW8082A	0.045 U	0.039 U	0.052 U	0.058 U
Aroclor 1254	SW8082A	0.045 U	0.039 U	1.25	0.533 J
Aroclor 1260	SW8082A	0.045 U	0.039 U	3.99	1.51
Total PCB Aroclors (U = 0 max limit)		0.040 U	0.035 U	5.24	2.04 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-E-15-16-221102-03-3.5 11/2/2022 3–3.5 ft	SE-BW5A-5-E-15-16-221102-04-4.5 11/2/2022 4–4.5 ft	SE-BW5A-5-E-15-16-221102-2.5-03 11/2/2022 2.5–3 ft	SE-BW5A-5-E-15-16-221102-4.5-05 11/2/2022 4.5–5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.28 J	1.33 J	0.43 J	0.28 J
Total solids	SM2540G	75.5	68.8	76.4	76.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.040 U	0.044 U	0.039 U	0.040 U
Aroclor 1221	SW8082A	0.040 U	0.044 U	0.039 U	0.040 U
Aroclor 1232	SW8082A	0.040 U	0.044 U	0.039 U	0.040 U
Aroclor 1242	SW8082A	0.040 U	0.044 U	0.039 U	0.040 U
Aroclor 1248	SW8082A	0.040 U	0.044 U	0.039 U	0.040 U
Aroclor 1254	SW8082A	0.040 U	0.0497	0.039 U	0.040 U
Aroclor 1260	SW8082A	0.040 U	0.167	0.039 U	0.040 U
Total PCB Aroclors (U = 0 max limit)		0.04 U	0.217	0.035 U	0.04 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-E-15-16-BD0001 11/2/2022 0–1 ft	SE-BW5A-5-E-15-16-G-221102-00-1.5 11/2/2022 0–1.5 ft	SE-BW5A-5-E-15-16-G-221102-1.5-03 11/2/2022 1.5–3 ft	SE-BW5A-5-E-22-23-221108-00-01 11/8/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	237	30.5	--
Total organic carbon	Lloyd Kahn	5.55 J	--	--	1.98 J
Total solids	SM2540G	52.9	--	--	47.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	4.8	16.5	--
Percent passing (hydrometer 1)	D422	--	25	6.9	--
Percent passing (hydrometer 2)	D422	--	10	3	--
Percent passing (hydrometer 3)	D422	--	5.2 U	1	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	98.4	85.4	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	85.4	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	100	--
Percent passing 150 micron sieve (No. 100)	D422	--	31.9	14.9	--
Percent passing 2000-micron sieve (No. 10)	D422	--	87.6	77.9	--
Percent passing 3 inch (3-inch sieve)	D422	--	100	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	95.3	83.5	--
Percent passing 50-micron sieve	D422	--	44.2	32	--
Percent passing 75-micron sieve (No. 200)	D422	--	28	9.2	--
Percent passing 8.0 micron	D422	--	89.7	79.6	--
Percent retained 16,000-micron sieve	D422	--	79.1	69.6	--
Percent retained 30-micron sieve	D422	--	62.3	53.1	--
Sand	D422	--	67.2	74.3	--
Silt	D422	--	28	9.2	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.061 U	--	--	0.067 U
Aroclor 1221	SW8082A	0.061 U	--	--	0.067 U
Aroclor 1232	SW8082A	0.061 U	--	--	0.067 U
Aroclor 1242	SW8082A	0.061 U	--	--	0.067 U
Aroclor 1248	SW8082A	0.061 U	--	--	0.067 U
Aroclor 1254	SW8082A	1.71	--	--	0.777 J
Aroclor 1260	SW8082A	5.22	--	--	0.906 J
Total PCB Aroclors (U = 0 max limit)		6.93	--	--	1.68 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-5-E-22-23-221108-01-1.5 11/8/2022 1–1.5 ft	SE-BW5A-5-E-22-23-221108-02-2.5 11/8/2022 2–2.5 ft	SE-BW5A-5-E-22-23-221108-1.5-02 11/8/2022 1.5–2 ft	SE-BW5A-5-E-22-23-221108-2.5-2.65 11/8/2022 2.5–2.65 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.47 J	0.0587 J	0.0518 J	0.0314 J
Total solids	SM2540G	59.8	78.8	74.7	74.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.052 U	0.039 U	0.040 U	0.041 U
Aroclor 1221	SW8082A	0.052 U	0.039 U	0.040 U	0.041 U
Aroclor 1232	SW8082A	0.052 U	0.039 U	0.040 U	0.041 U
Aroclor 1242	SW8082A	0.052 U	0.039 U	0.040 U	0.041 U
Aroclor 1248	SW8082A	0.052 U	0.039 U	0.040 U	0.041 U
Aroclor 1254	SW8082A	0.245 J	0.039 U	0.040 U	0.041 U
Aroclor 1260	SW8082A	0.305 J	0.039 U	0.040 U	0.041 U
Total PCB Aroclors (U = 0 max limit)		0.550 J	0.035 U	0.04 U	0.037 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-A-B-4-5-221129-00-01 11/29/2022 0–1 ft	SE-BW5A-6-A-B-4-5-221129-01-1.5 11/29/2022 1–1.5 ft	SE-BW5A-6-A-B-4-5-221129-1.5-02 11/29/2022 1.5–2 ft	SE-BW5A-6-A-B-4-5-BD0001 11/29/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.22 J	1.44	0.156	0.726 J
Total solids	SM2540G	67.2	70.1	68.7	70.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.044 U	0.045 U	0.047 U	0.042 U
Aroclor 1221	SW8082A	0.044 U	0.045 U	0.047 U	0.042 U
Aroclor 1232	SW8082A	0.044 U	0.045 U	0.047 U	0.042 U
Aroclor 1242	SW8082A	0.044 U	0.045 U	0.047 U	0.042 U
Aroclor 1248	SW8082A	0.044 U	0.045 U	0.047 U	0.042 U
Aroclor 1254	SW8082A	0.29 J	0.045 U	0.047 U	0.216 J
Aroclor 1260	SW8082A	1.33 J	0.045 U	0.047 U	0.885 J
Total PCB Aroclors (U = 0 max limit)		1.6 J	0.040 U	0.042 U	1.10 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-A-B-5-6-221128-00-01 11/28/2022 0–1 ft	SE-BW5A-6-A-B-5-6-221128-01-1.5 11/28/2022 1–1.5 ft	SE-BW5A-6-A-B-5-6-221128-02-2.5 11/28/2022 2–2.5 ft	SE-BW5A-6-A-B-5-6-221128-03-3.5 11/28/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.96 J	4.34 J	3.36	3.68
Total solids	SM2540G	56.1	57.2	47	62.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.056 U	0.054 U	0.064 U	0.051 U
Aroclor 1221	SW8082A	0.056 U	0.054 U	0.064 U	0.051 U
Aroclor 1232	SW8082A	0.056 U	0.054 U	0.064 U	0.051 U
Aroclor 1242	SW8082A	0.056 U	0.054 U	0.064 U	0.051 U
Aroclor 1248	SW8082A	0.056 U	0.054 U	0.064 U	0.051 U
Aroclor 1254	SW8082A	6.2	107	8.81	35.2
Aroclor 1260	SW8082A	12.6	164	15.6	31
Total PCB Aroclors (U = 0 max limit)		19	271	24.4	66

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-A-B-5-6-221128-1.5-02 11/28/2022 1.5–2 ft	SE-BW5A-6-A-B-5-6-221128-2.5-03 11/28/2022 2.5–3 ft	SE-BW5A-6-A-B-5-6-221128-3.5-04 11/28/2022 3.5–4 ft	SE-BW5A-6-B-6-221128-00-01 11/28/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	6.86	8.28	0.247	1.56
Total solids	SM2540G	43.6	47.1	78.3	68.6
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.072 U	0.070 U	0.040 U	0.045 U
Aroclor 1221	SW8082A	0.072 U	0.070 U	0.040 U	0.045 U
Aroclor 1232	SW8082A	0.072 U	0.070 U	0.040 U	0.045 U
Aroclor 1242	SW8082A	0.072 U	0.070 U	0.040 U	0.045 U
Aroclor 1248	SW8082A	0.072 U	0.070 U	0.040 U	0.045 U
Aroclor 1254	SW8082A	13.5	131	2.86	1.31 J
Aroclor 1260	SW8082A	19.2	144	4.67	4.02
Total PCB Aroclors (U = 0 max limit)		32.7	275	7.53	5.33 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-B-6-221128-01-1.5 11/28/2022 1–1.5 ft	SE-BW5A-6-B-6-221128-02-2.5 11/28/2022 2–2.5 ft	SE-BW5A-6-B-6-221128-03-3.5 11/28/2022 3–3.5 ft	SE-BW5A-6-B-6-221128-1.5-02 11/28/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.9	1.34	4.83	1.12
Total solids	SM2540G	60	71.8	43.6	71.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.056 U	0.046 U	0.074 U	0.046 U
Aroclor 1221	SW8082A	0.056 U	0.046 U	0.074 U	0.046 U
Aroclor 1232	SW8082A	0.056 U	0.046 U	0.074 U	0.046 U
Aroclor 1242	SW8082A	0.056 U	0.046 U	0.074 U	0.046 U
Aroclor 1248	SW8082A	0.056 U	0.046 U	0.074 U	0.046 U
Aroclor 1254	SW8082A	2.54	2.09 J	6.77	2.32
Aroclor 1260	SW8082A	5.9	5.65 J	30.9	12.9 J
Total PCB Aroclors (U = 0 max limit)		8.4	7.74 J	37.7	15.2 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-B-6-221128-2.5-03 11/28/2022 2.5–3 ft	SE-BW5A-6-B-6-221128-3.5-04 11/28/2022 3.5–4 ft	SE-BW5A-6-B-6-BD0001 11/28/2022 0–1 ft	SE-BW5A-6-B-C-4-221129-00-01 11/29/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.88	1.25	1.08	1.15
Total solids	SM2540G	40.6	71.1	69.3	66.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.075 U	0.043 U	0.045 U	0.045 U
Aroclor 1221	SW8082A	0.075 U	0.043 U	0.045 U	0.045 U
Aroclor 1232	SW8082A	0.075 U	0.043 U	0.045 U	0.045 U
Aroclor 1242	SW8082A	0.075 U	0.043 U	0.045 U	0.045 U
Aroclor 1248	SW8082A	0.075 U	0.043 U	0.045 U	0.045 U
Aroclor 1254	SW8082A	7.07	2.92	0.562 J	0.176 J
Aroclor 1260	SW8082A	37	10.4	2.62	0.602 J
Total PCB Aroclors (U = 0 max limit)		44	13.3	3.18 J	0.778 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-B-C-4-221129-01-1.5 11/29/2022 1–1.5 ft	SE-BW5A-6-B-C-4-221129-02-2.5 11/29/2022 2–2.5 ft	SE-BW5A-6-B-C-4-221129-03-3.36 11/29/2022 3–3.36 ft	SE-BW5A-6-B-C-4-221129-1.5-02 11/29/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	4.08	0.347	1.01	2.02 J
Total solids	SM2540G	55.2	73.7	70	64.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.058 U	0.042 U	0.045 U	0.048 U
Aroclor 1221	SW8082A	0.058 U	0.042 U	0.045 U	0.048 U
Aroclor 1232	SW8082A	0.058 U	0.042 U	0.045 U	0.048 U
Aroclor 1242	SW8082A	0.058 U	0.042 U	0.045 U	0.048 U
Aroclor 1248	SW8082A	0.058 U	0.042 U	0.045 U	0.048 U
Aroclor 1254	SW8082A	0.058 U	0.042 U	0.045 U	0.048 U
Aroclor 1260	SW8082A	0.058 U	0.042 U	0.045 U	0.048 U
Total PCB Aroclors (U = 0 max limit)		0.052 U	0.038 U	0.040 U	0.042 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-B-C-4-221129-2.5-03 11/29/2022 2.5–3 ft	SE-BW5A-6-B-C-4-5-221129-00-01 11/29/2022 0–1 ft	SE-BW5A-6-B-C-4-5-221129-01-1.5 11/29/2022 1–1.5 ft	SE-BW5A-6-B-C-4-5-221129-02-2.5 11/29/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.21 J	5.56 J	3.06 J	4.96 J
Total solids	SM2540G	64.3	52.9	45.6	46.5
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.050 U	0.061 U	0.070 U	0.067 U
Aroclor 1221	SW8082A	0.050 U	0.061 U	0.070 U	0.067 U
Aroclor 1232	SW8082A	0.050 U	0.061 U	0.070 U	0.067 U
Aroclor 1242	SW8082A	0.050 U	0.061 U	0.070 U	0.067 U
Aroclor 1248	SW8082A	0.050 U	0.061 U	0.070 U	0.067 U
Aroclor 1254	SW8082A	0.050 U	8.83 J	9.56 J	0.067 U
Aroclor 1260	SW8082A	0.050 U	26.2 J	24.4 J	0.646
Total PCB Aroclors (U = 0 max limit)		0.05 U	35.0 J	34.0 J	0.646

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-B-C-4-5-221129-03-3.3 11/29/2022 3–3.3 ft	SE-BW5A-6-B-C-4-5-221129-1.5-02 11/29/2022 1.5–2 ft	SE-BW5A-6-B-C-4-5-221129-2.5-03 11/29/2022 2.5–3 ft	SE-BW5A-6-B-C-5-6-221128-00-01 11/28/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.61 J	2.7 J	5.52 J	4.9 J
Total solids	SM2540G	57.8	63	56.1	43.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.055 U	0.050 U	0.053 U	0.075 U
Aroclor 1221	SW8082A	0.055 U	0.050 U	0.053 U	0.075 U
Aroclor 1232	SW8082A	0.055 U	0.050 U	0.053 U	0.075 U
Aroclor 1242	SW8082A	0.055 U	0.050 U	0.053 U	0.075 U
Aroclor 1248	SW8082A	0.055 U	0.050 U	0.053 U	0.075 U
Aroclor 1254	SW8082A	0.055 U	1.7	0.053 U	1.88
Aroclor 1260	SW8082A	0.055 U	0.33	0.053 U	4.2
Total PCB Aroclors (U = 0 max limit)		0.049 U	2	0.047 U	6.1

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-B-C-5-6-221128-01-1.5 11/28/2022 1–1.5 ft	SE-BW5A-6-B-C-5-6-221128-02-2.5 11/28/2022 2–2.5 ft	SE-BW5A-6-B-C-5-6-221128-1.5-02 11/28/2022 1.5–2 ft	SE-BW5A-6-B-C-5-6-221128-2.5-2.77 11/28/2022 2.5–2.77 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.244 J	5.55 J	3.75 J	9.89 J
Total solids	SM2540G	58.8	47.5	53.3	33
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.052 U	0.062 U	0.059 U	0.095 U
Aroclor 1221	SW8082A	0.052 U	0.062 U	0.059 U	0.095 U
Aroclor 1232	SW8082A	0.052 U	0.062 U	0.059 U	0.095 U
Aroclor 1242	SW8082A	0.052 U	0.062 U	0.059 U	0.095 U
Aroclor 1248	SW8082A	0.052 U	0.062 U	0.059 U	0.095 U
Aroclor 1254	SW8082A	0.326	10.7 J	25.9	27.4
Aroclor 1260	SW8082A	1.05	23.1 J	79.6	35
Total PCB Aroclors (U = 0 max limit)		1.38	33.8 J	106	62

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-B-C-6-221128-00-01 11/28/2022 0–1 ft	SE-BW5A-6-B-C-6-221128-01-1.3 11/28/2022 1–1.3 ft	SE-BW5A-6-B-C-6-221128-02-2.5 11/28/2022 2–2.5 ft	SE-BW5A-6-B-C-6-221128-03-3.5 11/28/2022 3–3.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.836 J	3.3 J	1.78 J	3.42 J
Total solids	SM2540G	78.9	59.1	70.7	53.6
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.038 U	0.054 U	0.043 U	0.061 U
Aroclor 1221	SW8082A	0.038 U	0.054 U	0.043 U	0.061 U
Aroclor 1232	SW8082A	0.038 U	0.054 U	0.043 U	0.061 U
Aroclor 1242	SW8082A	0.038 U	0.054 U	0.043 U	0.061 U
Aroclor 1248	SW8082A	0.038 U	0.054 U	0.043 U	0.061 U
Aroclor 1254	SW8082A	2.73 J	2.18	2.32 J	3.21
Aroclor 1260	SW8082A	10.8 J	9.84	9.97 J	16.8
Total PCB Aroclors (U = 0 max limit)		13.5 J	12	12.3 J	20

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-B-C-6-221128-04-4.5 11/28/2022 4–4.5 ft	SE-BW5A-6-B-C-6-221128-2.5-03 11/28/2022 2.5–3 ft	SE-BW5A-6-B-C-6-221128-3.5-3.7 11/28/2022 3.5–3.7 ft	SE-BW5A-6-B-C-6-221128-4.5-05 11/28/2022 4.5–5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.96 J	4.22 J	2.07 J	3.23 J
Total solids	SM2540G	55.3	47.9	56.8	28.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.057 U	0.067 U	0.057 U	0.11 U
Aroclor 1221	SW8082A	0.057 U	0.067 U	0.057 U	0.11 U
Aroclor 1232	SW8082A	0.057 U	0.067 U	0.057 U	0.11 U
Aroclor 1242	SW8082A	0.057 U	0.067 U	0.057 U	0.11 U
Aroclor 1248	SW8082A	0.057 U	0.067 U	0.057 U	0.11 U
Aroclor 1254	SW8082A	1.39	2.17	2.35	2.54
Aroclor 1260	SW8082A	6.59	6.25	10.8	4.28
Total PCB Aroclors (U = 0 max limit)		7.98	8.42	13.2	6.82

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-C-6-221128-00-01 11/28/2022 0–1 ft	SE-BW5A-6-C-6-221128-01-1.5 11/28/2022 1–1.5 ft	SE-BW5A-6-C-6-221128-02-2.5 11/28/2022 2–2.5 ft	SE-BW5A-6-C-6-221128-1.5-02 11/28/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.5 J	2 J	0.362 J	0.364 J
Total solids	SM2540G	68.8	56.2	74.8	75.3
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.044 U	0.058 U	0.041 U	0.040 U
Aroclor 1221	SW8082A	0.044 U	0.058 U	0.041 U	0.040 U
Aroclor 1232	SW8082A	0.044 U	0.058 U	0.041 U	0.040 U
Aroclor 1242	SW8082A	0.044 U	0.058 U	0.041 U	0.040 U
Aroclor 1248	SW8082A	0.044 U	0.058 U	0.041 U	0.040 U
Aroclor 1254	SW8082A	1.75	12.8	0.658	0.951
Aroclor 1260	SW8082A	9.86	13.5	0.304	1.11
Total PCB Aroclors (U = 0 max limit)		11.6	26.3	0.962	2.06

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-C-6-221128-2.5-2.9 11/28/2022 2.5–2.9 ft	SE-BW5A-6-C-6-BD0001 11/28/2022 0–1 ft	SE-BW5A-6-C-D-3-4-221129-00-01 11/29/2022 0–1 ft	SE-BW5A-6-C-D-3-4-221129-01-1.5 11/29/2022 1–1.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.161 J	1.19 J	3.82 J	3.63 J
Total solids	SM2540G	79.4	64.8	52	49.4
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.039 U	0.050 U	0.059 U	0.061 U
Aroclor 1221	SW8082A	0.039 U	0.050 U	0.059 U	0.061 U
Aroclor 1232	SW8082A	0.039 U	0.050 U	0.059 U	0.061 U
Aroclor 1242	SW8082A	0.039 U	0.050 U	0.059 U	0.061 U
Aroclor 1248	SW8082A	0.039 U	0.050 U	0.059 U	0.061 U
Aroclor 1254	SW8082A	0.221	1.7	1.46	0.061 U
Aroclor 1260	SW8082A	0.125	11.1	2.94	0.061 U
Total PCB Aroclors (U = 0 max limit)		0.346	13	4.4	0.055 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-C-D-3-4-221129-02-2.5 11/29/2022 2–2.5 ft	SE-BW5A-6-C-D-3-4-221129-1.5-02 11/29/2022 1.5–2 ft	SE-BW5A-6-C-D-3-4-221129-2.5-03 11/29/2022 2.5–3 ft	SE-BW5A-6-C-D-6-7-221128-00-01 11/28/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.34	2.66	0.846	1.53 J
Total solids	SM2540G	66.6	59.4	71.1	64.4
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.046 U	0.052 U	0.043 U	0.046 U
Aroclor 1221	SW8082A	0.046 U	0.052 U	0.043 U	0.046 U
Aroclor 1232	SW8082A	0.046 U	0.052 U	0.043 U	0.046 U
Aroclor 1242	SW8082A	0.046 U	0.052 U	0.043 U	0.046 U
Aroclor 1248	SW8082A	0.046 U	0.052 U	0.043 U	0.046 U
Aroclor 1254	SW8082A	0.046 U	0.052 U	0.043 U	0.046 U
Aroclor 1260	SW8082A	0.046 U	0.052 U	0.043 U	4.5
Total PCB Aroclors (U = 0 max limit)		0.041 U	0.047 U	0.038 U	4.5

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-C-D-6-7-221128-01-1.5 11/28/2022 1–1.5 ft	SE-BW5A-6-C-D-6-7-221128-02-2.5 11/28/2022 2–2.5 ft	SE-BW5A-6-C-D-6-7-221128-03-3.26 11/28/2022 3–3.26 ft	SE-BW5A-6-C-D-6-7-221128-1.5-02 11/28/2022 1.5–2 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.62	0.155	0.181	1.46
Total solids	SM2540G	65.6	80	81	69.9
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.047 U	0.037 U	0.037 U	0.045 U
Aroclor 1221	SW8082A	0.047 U	0.037 U	0.037 U	0.045 U
Aroclor 1232	SW8082A	0.047 U	0.037 U	0.037 U	0.045 U
Aroclor 1242	SW8082A	0.047 U	0.037 U	0.037 U	0.045 U
Aroclor 1248	SW8082A	0.047 U	0.037 U	0.037 U	0.045 U
Aroclor 1254	SW8082A	2.98	0.977	0.636	7.39
Aroclor 1260	SW8082A	5.96	1.61	1.36	15.4
Total PCB Aroclors (U = 0 max limit)		8.94	2.59	2	22.8

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-C-D-6-7-221128-2.5-03 11/28/2022 2.5–3 ft	SE-BW5A-6-D-1-2-221129-00-01 11/29/2022 0–1 ft	SE-BW5A-6-D-1-2-221129-01-1.5 11/29/2022 1–1.5 ft	SE-BW5A-6-D-1-2-221129-02-2.5 11/29/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	0.912	5.18 J	2.89	4.35
Total solids	SM2540G	73.9	51.1	51.5	49.2
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.041 U	0.060 U	0.060 U	0.061 U
Aroclor 1221	SW8082A	0.041 U	0.060 U	0.060 U	0.061 U
Aroclor 1232	SW8082A	0.041 U	0.060 U	0.060 U	0.061 U
Aroclor 1242	SW8082A	0.041 U	0.060 U	0.060 U	0.061 U
Aroclor 1248	SW8082A	0.041 U	0.060 U	0.060 U	0.061 U
Aroclor 1254	SW8082A	3.6	1.24	0.060 U	0.061 U
Aroclor 1260	SW8082A	6.42	3.61 J	0.060 U	0.061 U
Total PCB Aroclors (U = 0 max limit)		10	4.85 J	0.05 U	0.055 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-D-1-2-221129-03-3.3 11/29/2022 3–3.3 ft	SE-BW5A-6-D-1-2-221129-1.5-02 11/29/2022 1.5–2 ft	SE-BW5A-6-D-1-2-221129-2.5-03 11/29/2022 2.5–3 ft	SE-BW5A-6-D-1-2-BD0001 11/29/2022 0–1 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	2.67	5.07	5.3	2.67 J
Total solids	SM2540G	53.8	44.3	40	53.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.059 U	0.071 U	0.077 U	0.060 U
Aroclor 1221	SW8082A	0.059 U	0.071 U	0.077 U	0.060 U
Aroclor 1232	SW8082A	0.059 U	0.071 U	0.077 U	0.060 U
Aroclor 1242	SW8082A	0.059 U	0.071 U	0.077 U	0.060 U
Aroclor 1248	SW8082A	0.059 U	0.071 U	0.077 U	0.060 U
Aroclor 1254	SW8082A	0.059 U	0.071 U	0.077 U	1.14
Aroclor 1260	SW8082A	0.059 U	0.071 U	0.077 U	1.32 J
Total PCB Aroclors (U = 0 max limit)		0.052 U	0.064 U	0.069 U	2.46 J

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-D-1-2-G-221129-00-3.3 11/29/2022 0–3.3 ft	SE-BW5A-6-D-2-3-221129-00-01 11/29/2022 0–1 ft	SE-BW5A-6-D-2-3-221129-01-1.5 11/29/2022 1–1.5 ft	SE-BW5A-6-D-2-3-221129-02-2.5 11/29/2022 2–2.5 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	116	--	--	--
Total organic carbon	Lloyd Kahn	--	3.77	3.1	0.683
Total solids	SM2540G	--	48.4	54.2	67.8
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	0	--	--	--
Percent passing (hydrometer 1)	D422	38	--	--	--
Percent passing (hydrometer 2)	D422	8	--	--	--
Percent passing (hydrometer 3)	D422	3	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	53.9	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--
Percent passing 50-micron sieve	D422	72.1	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	39.8	--	--	--
Percent passing 8.0 micron	D422	100	--	--	--
Percent retained 16,000-micron sieve	D422	85	--	--	--
Percent retained 30-micron sieve	D422	80.3	--	--	--
Sand	D422	60.2	--	--	--
Silt	D422	39.8	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	--	0.065 U	0.056 U	0.045 U
Aroclor 1221	SW8082A	--	0.065 U	0.056 U	0.045 U
Aroclor 1232	SW8082A	--	0.065 U	0.056 U	0.045 U
Aroclor 1242	SW8082A	--	0.065 U	0.056 U	0.045 U
Aroclor 1248	SW8082A	--	0.065 U	0.056 U	0.045 U
Aroclor 1254	SW8082A	--	0.886	0.056 U	0.045 U
Aroclor 1260	SW8082A	--	2.71	0.0480 J	0.045 U
Total PCB Aroclors (U = 0 max limit)		--	3.6	0.0480 J	0.040 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-BW5A-6-D-2-3-221129-03-3.5 11/29/2022 3–3.5 ft	SE-BW5A-6-D-2-3-221129-1.5-02 11/29/2022 1.5–2 ft	SE-BW5A-6-D-2-3-221129-2.5-03 11/29/2022 2.5–3 ft	SE-BW5A-6-D-2-3-221129-3.5-04 11/29/2022 3.5–4 ft
Conventional Parameters (percent)					
Moisture (water) content	D2216	--	--	--	--
Total organic carbon	Lloyd Kahn	1.97	2.49	1.25	0.936
Total solids	SM2540G	64.3	62.8	69.4	73.7
Conventional Parameters (lb/ft³)					
Density (bulk)	D2937	--	--	--	--
Grain Size (percent)					
Gravel	D422	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--
Percent passing 150 micron sieve (No. 100)	D422	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--
Percent passing 8.0 micron	D422	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--
Sand	D422	--	--	--	--
Silt	D422	--	--	--	--
PCB Aroclors (mg/kg)					
Aroclor 1016	SW8082A	0.051 U	0.053 U	0.046 U	0.043 U
Aroclor 1221	SW8082A	0.051 U	0.053 U	0.046 U	0.043 U
Aroclor 1232	SW8082A	0.051 U	0.053 U	0.046 U	0.043 U
Aroclor 1242	SW8082A	0.051 U	0.053 U	0.046 U	0.043 U
Aroclor 1248	SW8082A	0.051 U	0.053 U	0.046 U	0.043 U
Aroclor 1254	SW8082A	0.051 U	0.053 U	0.0375 J	0.043 U
Aroclor 1260	SW8082A	0.051 U	0.053 U	0.0497	0.043 U
Total PCB Aroclors (U = 0 max limit)		0.046 U	0.047 U	0.0872 J	0.039 U

Table E-5
Summary of 2022 and 2023 PDI Backwater Sediment Sampling Results

Notes:

Bold: Detected result

ft: foot

lb/ft³: pound per cubed foot

J: Estimated value

mg/kg: milligram per kilogram

PCB: polychlorinated biphenyl

R: Rejected

U: Compound analyzed for, but not detected above detection limit

UJ: Compound analyzed for, but not detected above estimated detection limit

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB1-01-220906-0.5-01 9/6/2022 0.5 - 1 ft	SE-E-OWB1-01-220906-00-0.5 9/6/2022 0 - 0.5 ft	SE-E-OWB1-01-220906-01-1.42 9/6/2022 1 - 1.42 ft	SE-E-OWB1-02-220906-0.5-01 9/6/2022 0.5 - 1 ft	SE-E-OWB1-02-220906-00-0.5 9/6/2022 0 - 0.5 ft	SE-E-OWB1-02-220906-01-1.5 9/6/2022 1 - 1.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	0.408 J	0.824 J	0.631 J	0.93 J	1.49 J	2.4 J
Total solids	SM2540G	75.6	73.8	70.5	77.9	76.8	70.3
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.044 U	0.043 U	0.045 U	0.040 U	0.042 U	0.045 U
Aroclor 1221	SW8082A	0.044 U	0.043 U	0.045 U	0.040 U	0.042 U	0.045 U
Aroclor 1232	SW8082A	0.044 U	0.043 U	0.045 U	0.040 U	0.042 U	0.045 U
Aroclor 1242	SW8082A	0.044 U	0.043 U	0.045 U	0.040 U	0.042 U	0.045 U
Aroclor 1248	SW8082A	0.044 U	0.043 U	0.045 U	0.040 U	0.042 U	0.045 U
Aroclor 1254	SW8082A	0.044 U	0.043 U	0.045 U	0.9	0.699	1.07
Aroclor 1260	SW8082A	0.271	3.07	0.045 U	1.98	1.88	3.76 J
Total PCB Aroclors (U = 0 max limit)		0.271	3.07	0.040 U	2.9	2.58	4.83 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB1-02-220906-1.5-1.66 9/6/2022 1.5 - 1.66 ft	SE-E-OWB1-02-BD0001 9/6/2022 1 - 1.5 ft	SE-E-OWB1-03-220906-0.5-01 9/6/2022 0.5 - 1 ft	SE-E-OWB1-03-220906-00-0.5 9/6/2022 0 - 0.5 ft	SE-E-OWB1-03-220906-01-1.5 9/6/2022 1 - 1.5 ft	SE-E-OWB1-03-220906-1.5-1.79 9/6/2022 1.5 - 1.79 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	1.27 J	1.46 J	0.821 J	1.38 J	0.43 J	1.41 J
Total solids	SM2540G	75.8	67.9	88	78.2	92.3	71
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.048 U	0.036 U	0.039 U	0.033 U	0.044 U
Aroclor 1221	SW8082A	0.041 U	0.048 U	0.036 U	0.039 U	0.033 U	0.044 U
Aroclor 1232	SW8082A	0.041 U	0.048 U	0.036 U	0.039 U	0.033 U	0.044 U
Aroclor 1242	SW8082A	0.041 U	0.048 U	0.036 U	0.039 U	0.033 U	0.044 U
Aroclor 1248	SW8082A	0.041 U	0.048 U	0.036 U	0.039 U	0.033 U	0.044 U
Aroclor 1254	SW8082A	0.554	0.817	1.44	1.43	0.809	0.044 U
Aroclor 1260	SW8082A	1.36	2.48 J	6.2	2.89	2.6	0.044 U
Total PCB Aroclors (U = 0 max limit)		1.91	3.30 J	7.6	4.32	3.4	0.039 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB1-04-220906-0.5-01 9/6/2022 0.5 - 1 ft	SE-E-OWB1-04-220906-00-0.5 9/6/2022 0 - 0.5 ft	SE-E-OWB1-04-220906-01-1.5 9/6/2022 1 - 1.5 ft	SE-E-OWB1-04-220906-1.5-1.79 9/6/2022 1.5 - 1.79 ft	SE-E-OWB1-05-220906-0.5-01 9/6/2022 0.5 - 1 ft	SE-E-OWB1-05-220906-00-0.5 9/6/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	0.561 J	1.71 J	0.739 J	1.18 J	2.21 J	1.43 J
Total solids	SM2540G	87.4	75.4	71.5	67.5	69.7	66.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.036 U	0.042 U	0.042 U	0.048 U	0.045 U	0.047 U
Aroclor 1221	SW8082A	0.036 U	0.042 U	0.042 U	0.048 U	0.045 U	0.047 U
Aroclor 1232	SW8082A	0.036 U	0.042 U	0.042 U	0.048 U	0.045 U	0.047 U
Aroclor 1242	SW8082A	0.036 U	0.042 U	0.042 U	0.048 U	0.045 U	0.047 U
Aroclor 1248	SW8082A	0.036 U	0.042 U	0.042 U	0.048 U	0.045 U	0.047 U
Aroclor 1254	SW8082A	0.832	0.941	0.439	0.048 U	1.69	1.64 J
Aroclor 1260	SW8082A	5.12	3.34	1.03	0.048 U	6.42	7.4 J
Total PCB Aroclors (U = 0 max limit)		5.95	4.28	1.47	0.043 U	8.11	9.0 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB1-05-220906-01-1.5 9/6/2022 1 - 1.5 ft	SE-E-OWB1-05-220906-1.5-1.63 9/6/2022 1.5 - 1.63 ft	SE-E-OWB1-06-220906-0.5-01 9/6/2022 0.5 - 1 ft	SE-E-OWB1-06-220906-00-0.5 9/6/2022 0 - 0.5 ft	SE-E-OWB1-06-220906-01-1.5 9/6/2022 1 - 1.5 ft	SE-E-OWB1-07-220907-0.5-01 9/7/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	2.57 J	1.6 J	1.22 J	5.79 J	0.335 J	14.7 J
Total solids	SM2540G	57.7	68.6	74.3	56.5	85.8	62.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.057 U	0.045 U	0.044 U	0.057 U	0.038 U	0.050 U
Aroclor 1221	SW8082A	0.057 U	0.045 U	0.044 U	0.057 U	0.038 U	0.050 U
Aroclor 1232	SW8082A	0.057 U	0.045 U	0.044 U	0.057 U	0.038 U	0.050 U
Aroclor 1242	SW8082A	0.057 U	0.045 U	0.044 U	0.057 U	0.038 U	0.050 U
Aroclor 1248	SW8082A	0.057 U	0.045 U	0.044 U	0.057 U	0.038 U	0.050 U
Aroclor 1254	SW8082A	1.04	0.621	0.748	2.08	0.27	2.56 J
Aroclor 1260	SW8082A	3.5	3.39	2.67	4.64	1.09	10.4
Total PCB Aroclors (U = 0 max limit)		4.5	4.01	3.42	6.72	1.4	13.0 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB1-07-220907-00-0.5 9/7/2022 0 - 0.5 ft	SE-E-OWB1-07-220907-01-1.5 9/7/2022 1 - 1.5 ft	SE-E-OWB1-07-220907-1.5-1.73 9/7/2022 1.5 - 1.73 ft	SE-E-OWB1-07-BD0001 9/7/2022 1 - 1.5 ft	SE-E-OWB1-08-220907-0.5-01 9/7/2022 0.5 - 1 ft	SE-E-OWB1-08-220907-00-0.5 9/7/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	3.84 J	2.63 J	6.51 J	9.41 J	3.48 J	3.48 J
Total solids	SM2540G	61.4	78.5	71.7	68.7	56.1	60.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.052 U	0.042 U	0.044 U	0.045 U	0.054 U	0.053 U
Aroclor 1221	SW8082A	0.052 U	0.042 U	0.044 U	0.045 U	0.054 U	0.053 U
Aroclor 1232	SW8082A	0.052 U	0.042 U	0.044 U	0.045 U	0.054 U	0.053 U
Aroclor 1242	SW8082A	0.052 U	0.042 U	0.044 U	0.045 U	0.054 U	0.053 U
Aroclor 1248	SW8082A	0.052 U	0.042 U	0.044 U	0.045 U	0.054 U	0.053 U
Aroclor 1254	SW8082A	2.99	1.5 J	3.66 J	1.96 J	0.054 U	0.053 U
Aroclor 1260	SW8082A	10.7	2.59 J	2.15 J	3.46 J	0.054 U	0.053 U
Total PCB Aroclors (U = 0 max limit)		13.7	4.1 J	5.81 J	5.42 J	0.048 U	0.048 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB1-08-220907-01-1.5 9/7/2022 1 - 1.5 ft	SE-E-OWB1-08-220907-1.5-1.9 9/7/2022 1.5 - 1.9 ft	SE-E-OWB1-09-220907-0.5-01 9/7/2022 0.5 - 1 ft	SE-E-OWB1-09-220907-00-0.5 9/7/2022 0 - 0.5 ft	SE-E-OWB1-09-220907-01-1.5 9/7/2022 1 - 1.5 ft	SE-E-OWB1-09-220907-1.5-1.69 9/7/2022 1.5 - 1.69 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	2.44 J	1.5 J	1.68 J	3.5 J	2.38 J	1.22 J
Total solids	SM2540G	71.1	66.5	68.5	58.8	71.7	87.6
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.049 U	0.046 U	0.052 U	0.044 U	0.036 U
Aroclor 1221	SW8082A	0.042 U	0.049 U	0.046 U	0.052 U	0.044 U	0.036 U
Aroclor 1232	SW8082A	0.042 U	0.049 U	0.046 U	0.052 U	0.044 U	0.036 U
Aroclor 1242	SW8082A	0.042 U	0.049 U	0.046 U	0.052 U	0.044 U	0.036 U
Aroclor 1248	SW8082A	0.042 U	0.049 U	0.046 U	0.052 U	0.044 U	0.036 U
Aroclor 1254	SW8082A	0.042 U	0.049 U	1.79	1.54	1.74	0.036 U
Aroclor 1260	SW8082A	0.042 U	0.049 U	5.96	3.85	8.67	0.036 U
Total PCB Aroclors (U = 0 max limit)		0.038 U	0.043 U	7.75	5.39	10.4	0.032 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB1-10-220907-0.5-01 9/7/2022 0.5 - 1 ft	SE-E-OWB1-10-220907-00-0.5 9/7/2022 0 - 0.5 ft	SE-E-OWB1-10-220907-01-1.5 9/7/2022 1 - 1.5 ft	SE-E-OWB1-10-220907-1.5-02 9/7/2022 1.5 - 2 ft	SE-E-OWB2-01-220930-0.5-0.96 9/30/2022 0.5 - 0.96 ft	SE-E-OWB2-01-220930-00-0.5 9/30/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	3.05 J	2.21 J	1.52 J	2.38 J	2.66	1.32
Total solids	SM2540G	57.5	61.2	61.2	62.1	61.2	67.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.056 U	0.054 U	0.053 U	0.052 U	0.051 U	0.044 U
Aroclor 1221	SW8082A	0.056 U	0.054 U	0.053 U	0.052 U	0.051 U	0.044 U
Aroclor 1232	SW8082A	0.056 U	0.054 U	0.053 U	0.052 U	0.051 U	0.044 U
Aroclor 1242	SW8082A	0.056 U	0.054 U	0.053 U	0.052 U	0.051 U	0.044 U
Aroclor 1248	SW8082A	0.056 U	0.054 U	0.053 U	0.052 U	0.051 U	0.044 U
Aroclor 1254	SW8082A	0.056 U	0.054 U	0.053 U	0.052 U	0.396	0.0363 J
Aroclor 1260	SW8082A	0.142	1.15	0.053 U	0.052 U	1.05	0.0496
Total PCB Aroclors (U = 0 max limit)		0.142	1.15	0.047 U	0.046 U	1.45	0.0859 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB2-02-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB2-02-220930-00-0.5 9/30/2022 0 - 0.5 ft	SE-E-OWB2-02-220930-01-1.25 9/30/2022 1 - 1.25 ft	SE-E-OWB2-03-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB2-03-220930-00-0.5 9/30/2022 0 - 0.5 ft	SE-E-OWB2-03-220930-01-1.5 9/30/2022 1 - 1.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	1.67	0.179	2.23	3.36	2.2	6.43
Total solids	SM2540G	71.3	74.4	56.6	62.2	58.7	45.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.042 U	0.042 U	0.054 U	0.048 U	0.051 U	0.068 U
Aroclor 1221	SW8082A	0.042 U	0.042 U	0.054 U	0.048 U	0.051 U	0.068 U
Aroclor 1232	SW8082A	0.042 U	0.042 U	0.054 U	0.048 U	0.051 U	0.068 U
Aroclor 1242	SW8082A	0.042 U	0.042 U	0.054 U	0.048 U	0.051 U	0.068 U
Aroclor 1248	SW8082A	0.042 U	0.042 U	0.054 U	0.048 U	0.051 U	0.068 U
Aroclor 1254	SW8082A	0.0627	0.042 U	0.054 U	0.0541	0.0339 J	0.068 U
Aroclor 1260	SW8082A	0.0483	0.0238 J	0.0451 J	0.0814	0.0549 J	0.068 U
Total PCB Aroclors (U = 0 max limit)		0.111	0.0238 J	0.0451 J	0.136	0.0888 J	0.060 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB2-03-220930-1.5-1.65 9/30/2022 1.5 - 1.65 ft	SE-E-OWB2-03-BD0001 9/30/2022 0.5 - 1 ft	SE-E-OWB2-04-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB2-04-220930-00-0.5 9/30/2022 0 - 0.5 ft	SE-E-OWB2-05-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB2-05-220930-00-0.5 9/30/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	5.03	4.57	1.56 J	4.44 J	2.19 J	0.167 J
Total solids	SM2540G	41	52.9	71	43.5	64.1	77
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.077 U	0.057 U	0.042 U	0.077 U	0.050 U	0.039 U
Aroclor 1221	SW8082A	0.077 U	0.057 U	0.042 U	0.077 U	0.050 U	0.039 U
Aroclor 1232	SW8082A	0.077 U	0.057 U	0.042 U	0.077 U	0.050 U	0.039 U
Aroclor 1242	SW8082A	0.077 U	0.057 U	0.042 U	0.077 U	0.050 U	0.039 U
Aroclor 1248	SW8082A	0.077 U	0.057 U	0.042 U	0.077 U	0.050 U	0.039 U
Aroclor 1254	SW8082A	0.077 U	0.0848	0.042 U	0.0658 J	0.050 U	0.0494
Aroclor 1260	SW8082A	0.077 U	0.106	0.0309 J	0.142	0.050 U	0.0846
Total PCB Aroclors (U = 0 max limit)		0.068 U	0.191	0.0309 J	0.208 J	0.04 U	0.134

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB2-05-220930-01-1.5 9/30/2022 1 - 1.5 ft	SE-E-OWB2-06-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB2-06-220930-00-0.5 9/30/2022 0 - 0.5 ft	SE-E-OWB2-06-220930-01-1.28 9/30/2022 1 - 1.28 ft	SE-E-OWB2-07-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB2-07-220930-00-0.5 9/30/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	0.987 J	1.74 J	0.79 J	3.52 J	2.66 J	0.244 J
Total solids	SM2540G	62.8	61.1	68.7	53.6	64.4	72.2
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.050 U	0.050 U	0.045 U	0.056 U	0.048 U	0.041 U
Aroclor 1221	SW8082A	0.050 U	0.050 U	0.045 U	0.056 U	0.048 U	0.041 U
Aroclor 1232	SW8082A	0.050 U	0.050 U	0.045 U	0.056 U	0.048 U	0.041 U
Aroclor 1242	SW8082A	0.050 U	0.050 U	0.045 U	0.056 U	0.048 U	0.041 U
Aroclor 1248	SW8082A	0.050 U	0.050 U	0.045 U	0.056 U	0.048 U	0.041 U
Aroclor 1254	SW8082A	0.050 U	0.525	0.65	1.46	0.048 U	0.155
Aroclor 1260	SW8082A	0.050 U	0.066	1.06	0.251	0.0274 J	0.469
Total PCB Aroclors (U = 0 max limit)		0.05 U	0.591	1.7	1.71	0.0274 J	0.624

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB2-07-220930-01-1.5 9/30/2022 1 - 1.5 ft	SE-E-OWB2-08-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB2-08-220930-00-0.5 9/30/2022 0 - 0.5 ft	SE-E-OWB2-08-220930-01-1.5 9/30/2022 1 - 1.5 ft	SE-E-OWB2-09-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB2-09-220930-00-0.5 9/30/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	1.75	0.654	0.78	1.8	0.548	0.125
Total solids	SM2540G	64.1	72	77	68.7	72.8	72.3
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.046 U	0.043 U	0.041 U	0.047 U	0.042 U	0.043 U
Aroclor 1221	SW8082A	0.046 U	0.043 U	0.041 U	0.047 U	0.042 U	0.043 U
Aroclor 1232	SW8082A	0.046 U	0.043 U	0.041 U	0.047 U	0.042 U	0.043 U
Aroclor 1242	SW8082A	0.046 U	0.043 U	0.041 U	0.047 U	0.042 U	0.043 U
Aroclor 1248	SW8082A	0.046 U	0.043 U	0.041 U	0.047 U	0.042 U	0.043 U
Aroclor 1254	SW8082A	0.046 U	0.043 U	0.117	0.047 U	0.042 U	0.0254 J
Aroclor 1260	SW8082A	0.046 U	0.0214 J	0.404	0.047 U	0.042 U	0.0593
Total PCB Aroclors (U = 0 max limit)		0.041 U	0.0214 J	0.521	0.042 U	0.038 U	0.0847 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB2-09-220930-01-1.5 9/30/2022 1 - 1.5 ft	SE-E-OWB3-01-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB3-01-220930-00-0.5 9/30/2022 0 - 0.5 ft	SE-E-OWB3-01-220930-1.5-1.95 9/30/2022 1.5 - 1.95 ft	SE-E-OWB3-01-BD0001 9/30/2022 1 - 1.5 ft	SE-E-OWB3-02-220930-0.5-01 9/30/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	0.723	1.68	4.29	0.206 J	0.193 J	0.895 J
Total solids	SM2540G	59.2	55.6	41	72.2	68.1	68.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.052 U	0.059 U	0.074 U	0.044 U	0.048 U	0.043 U
Aroclor 1221	SW8082A	0.052 U	0.059 U	0.074 U	0.044 U	0.048 U	0.043 U
Aroclor 1232	SW8082A	0.052 U	0.059 U	0.074 U	0.044 U	0.048 U	0.043 U
Aroclor 1242	SW8082A	0.052 U	0.059 U	0.074 U	0.044 U	0.048 U	0.043 U
Aroclor 1248	SW8082A	0.052 U	0.059 U	0.074 U	0.044 U	0.048 U	0.043 U
Aroclor 1254	SW8082A	0.0548	0.0432 J	0.463 J	0.044 U	0.048 U	0.043 U
Aroclor 1260	SW8082A	0.146	0.257	1.9	0.044 U	0.048 U	0.0462
Total PCB Aroclors (U = 0 max limit)		0.201	0.300 J	2.4 J	0.039 U	0.043 U	0.0462

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-OWB3-02-220930-00-0.5 9/30/2022 0 - 0.5 ft	SE-E-OWB3-02-220930-01-1.27 9/30/2022 1 - 1.27 ft	SE-E-OWB3-03-220930-0.5-01 9/30/2022 0.5 - 1 ft	SE-E-OWB3-03-220930-00-0.5 9/30/2022 0 - 0.5 ft	SE-E-OWB3-03-220930-01-1.5 9/30/2022 1 - 1.5 ft	SE-E-OWB3-03-220930-1.5-1.7 9/30/2022 1.5 - 1.7 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	1.5 J	0.194 J	6.7 J	2.81 J	9.86 J	13.2 J
Total solids	SM2540G	58.7	70.2	45.8	55.8	33.4	25.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.054 U	0.044 U	0.071 U	0.055 U	0.091 U	0.13 U
Aroclor 1221	SW8082A	0.054 U	0.044 U	0.071 U	0.055 U	0.091 U	0.13 U
Aroclor 1232	SW8082A	0.054 U	0.044 U	0.071 U	0.055 U	0.091 U	0.13 U
Aroclor 1242	SW8082A	0.054 U	0.044 U	0.071 U	0.055 U	0.091 U	0.13 U
Aroclor 1248	SW8082A	0.054 U	0.044 U	0.071 U	0.055 U	0.091 U	0.13 U
Aroclor 1254	SW8082A	0.054 U	0.044 U	17.7	0.816	63.8	26.5
Aroclor 1260	SW8082A	0.0659	0.044 U	14.4	2.55	54.6	17.2
Total PCB Aroclors (U = 0 max limit)		0.0659	0.039 U	32.1	3.37	118	43.7

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-W-OWB1-01-220914-0.5-01 9/14/2022 0.5 - 1 ft	SE-W-OWB1-01-220914-00-0.5 9/14/2022 0 - 0.5 ft	SE-W-OWB1-02-220914-0.5-01 9/14/2022 0.5 - 1 ft	SE-W-OWB1-02-220914-00-0.5 9/14/2022 0 - 0.5 ft	SE-W-OWB1-02-BD0001 9/14/2022 0.5 - 1 ft	SE-W-OWB1-03-220914-0.5-01 9/14/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	1.7	5.38	0.958	1.66	0.583	8.69
Total solids	SM2540G	30.4	34.7	76.4	86.6	71.6	37.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.10 U	0.078 U	0.038 U	0.035 U	0.042 U	0.087 U
Aroclor 1221	SW8082A	0.10 U	0.078 U	0.038 U	0.035 U	0.042 U	0.087 U
Aroclor 1232	SW8082A	0.10 U	0.078 U	0.038 U	0.035 U	0.042 U	0.087 U
Aroclor 1242	SW8082A	0.10 U	0.078 U	0.038 U	0.035 U	0.042 U	0.087 U
Aroclor 1248	SW8082A	0.10 U	0.078 U	0.038 U	0.035 U	0.042 U	0.087 U
Aroclor 1254	SW8082A	0.10 U	0.818 J	0.038 U	0.035 U	0.042 U	0.087 U
Aroclor 1260	SW8082A	0.10 U	1.66 J	0.102 J	0.101	0.165 J	0.087 U
Total PCB Aroclors (U = 0 max limit)		0.09 U	2.48 J	0.102 J	0.101	0.165 J	0.077 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-W-OWB1-03-220914-00-0.5 9/14/2022 0 - 0.5 ft	SE-W-OWB1-03-220914-01-1.2 9/14/2022 1 - 1.2 ft	SE-W-OWB1-04-220914-0.5-01 9/14/2022 0.5 - 1 ft	SE-W-OWB1-04-220914-00-0.5 9/14/2022 0 - 0.5 ft	SE-W-OWB1-05-220914-0.5-01 9/14/2022 0.5 - 1 ft	SE-W-OWB1-05-220914-00-0.5 9/14/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	1.54	1.03	2.35	3.19	1.93	2.07
Total solids	SM2540G	89.2	71.4	62.6	66.7	63.1	69.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.035 U	0.042 U	0.050 U	0.045 U	0.045 U	0.045 U
Aroclor 1221	SW8082A	0.035 U	0.042 U	0.050 U	0.045 U	0.045 U	0.045 U
Aroclor 1232	SW8082A	0.035 U	0.042 U	0.050 U	0.045 U	0.045 U	0.045 U
Aroclor 1242	SW8082A	0.035 U	0.042 U	0.050 U	0.045 U	0.045 U	0.045 U
Aroclor 1248	SW8082A	0.035 U	0.042 U	0.050 U	0.045 U	0.045 U	0.045 U
Aroclor 1254	SW8082A	0.035 U	0.042 U	0.050 U	0.045 U	0.045 U	0.045 U
Aroclor 1260	SW8082A	0.175 J	0.042 U	0.050 U	0.0662	0.045 U	0.045 U
Total PCB Aroclors (U = 0 max limit)		0.175 J	0.038 U	0.04 U	0.0662	0.040 U	0.040 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-W-OWB1-05-220914-01-1.5 9/14/2022 1 - 1.5 ft	SE-W-OWB1-05-220914-1.5-1.95 9/14/2022 1.5 - 1.95 ft	SE-WP-A-B-4-5-221014-0.5-01 10/14/2022 0.5 - 1 ft	SE-WP-A-B-4-5-221014-00-0.5 10/14/2022 0 - 0.5 ft	SE-WP-A-B-4-5-221014-01-1.15 10/14/2022 1 - 1.15 ft	SE-WP-A-B-5-6-221014-0.5-01 10/14/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	1.54	0.097	11.1 J	1.98 J	1.59 J	2.04 J
Total solids	SM2540G	64.1	67.8	19.8	58.6	59.3	52
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.048 U	0.049 U	0.16 U	0.056 U	0.056 U	0.060 U
Aroclor 1221	SW8082A	0.048 U	0.049 U	0.16 U	0.056 U	0.056 U	0.060 U
Aroclor 1232	SW8082A	0.048 U	0.049 U	0.16 U	0.056 U	0.056 U	0.060 U
Aroclor 1242	SW8082A	0.048 U	0.049 U	0.16 U	0.056 U	0.056 U	0.060 U
Aroclor 1248	SW8082A	0.048 U	0.049 U	0.16 U	0.056 U	0.056 U	0.060 U
Aroclor 1254	SW8082A	0.048 U	0.049 U	0.52	0.0931	0.056 U	0.060 U
Aroclor 1260	SW8082A	0.048 U	0.049 U	0.407	0.284	0.056 U	0.0262 J
Total PCB Aroclors (U = 0 max limit)		0.042 U	0.043 U	0.93	0.377	0.050 U	0.0262 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-A-B-5-6-221014-00-0.5 10/14/2022 0 - 0.5 ft	SE-WP-A-B-5-6-BD0001 10/14/2022 0.5 - 1 ft	SE-WP-B-C-3-4-221014-0.5-01 10/14/2022 0.5 - 1 ft	SE-WP-B-C-3-4-221014-00-0.5 10/14/2022 0 - 0.5 ft	SE-WP-B-C-4-5-221020-0.5-01 10/20/2022 0.5 - 1 ft	SE-WP-B-C-4-5-221020-00-0.5 10/20/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	7.98 J	0.948 J	4.13 J	1.53 J	3.61 J	3.87 J
Total solids	SM2540G	29.1	57.4	45.5	54.6	38.7	25.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.11 U	0.054 U	0.069 U	0.057 U	0.085 U	0.12 U
Aroclor 1221	SW8082A	0.11 U	0.054 U	0.069 U	0.057 U	0.085 U	0.12 U
Aroclor 1232	SW8082A	0.11 U	0.054 U	0.069 U	0.057 U	0.085 U	0.12 U
Aroclor 1242	SW8082A	0.11 U	0.054 U	0.069 U	0.057 U	0.085 U	0.12 U
Aroclor 1248	SW8082A	0.11 U	0.054 U	0.069 U	0.057 U	0.085 U	0.12 U
Aroclor 1254	SW8082A	0.234 J	0.054 U	0.069 U	0.278	3.98 J	1.77 J
Aroclor 1260	SW8082A	0.338 J	0.054 U	0.0716	0.26	4.57 J	4.92 J
Total PCB Aroclors (U = 0 max limit)		0.572 J	0.048 U	0.0716	0.54	8.55 J	6.69 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-B-C-4-5-221020-01-1.5 10/20/2022 1 - 1.5 ft	SE-WP-B-C-4-5-221020-1.5-02 10/20/2022 1.5 - 2 ft	SE-WP-B-C-4-5-BD0001 10/20/2022 0.5 - 1 ft	SE-WP-B-C-5-6-221020-0.5-01 10/20/2022 0.5 - 1 ft	SE-WP-B-C-5-6-221020-00-0.5 10/20/2022 0 - 0.5 ft	SE-WP-B-C-5-6-221020-01-1.5 10/20/2022 1 - 1.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	0.227 J	0.0454 J	3.02 J	4.25 J	4.46 J	4.98 J
Total solids	SM2540G	80.5	82	38.9	33.3	30	39.6
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.036 U	0.085 U	0.096 U	0.11 U	0.080 U
Aroclor 1221	SW8082A	0.041 U	0.036 U	0.085 U	0.096 U	0.11 U	0.080 U
Aroclor 1232	SW8082A	0.041 U	0.036 U	0.085 U	0.096 U	0.11 U	0.080 U
Aroclor 1242	SW8082A	0.041 U	0.036 U	0.085 U	0.096 U	0.11 U	0.080 U
Aroclor 1248	SW8082A	0.041 U	0.036 U	0.085 U	0.096 U	0.11 U	0.080 U
Aroclor 1254	SW8082A	0.357 J	0.036 U	2.15 J	1.83 J	1.5 J	1.12 J
Aroclor 1260	SW8082A	0.764 J	0.036 U	5.46 J	6.87 J	5.27 J	2.67 J
Total PCB Aroclors (U = 0 max limit)		1.12 J	0.032 U	7.61 J	8.70 J	6.8 J	3.79 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-B-C-5-6-221020-1.5-02 10/20/2022 1.5 - 2 ft	SE-WP-B-C-6-221014-0.5-01 10/14/2022 0.5 - 1 ft	SE-WP-B-C-6-221014-00-0.5 10/14/2022 0 - 0.5 ft	SE-WP-B-C-6-221014-01-1.5 10/14/2022 1 - 1.5 ft	SE-WP-B-C-6-221014-02-2.31 10/14/2022 2 - 2.31 ft	SE-WP-B-C-6-221014-1.5-02 10/14/2022 1.5 - 2 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	5.69 J	16.7 J	4.02 J	13.3 J	4.47 J	7.84 J
Total solids	SM2540G	36	21.1	51.4	22.5	39.1	31.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.092 U	0.15 U	0.059 U	0.14 U	0.078 U	0.099 U
Aroclor 1221	SW8082A	0.092 U	0.15 U	0.059 U	0.14 U	0.078 U	0.099 U
Aroclor 1232	SW8082A	0.092 U	0.15 U	0.059 U	0.14 U	0.078 U	0.099 U
Aroclor 1242	SW8082A	0.092 U	0.15 U	0.059 U	0.14 U	0.078 U	0.099 U
Aroclor 1248	SW8082A	0.092 U	0.15 U	0.059 U	0.14 U	0.078 U	0.099 U
Aroclor 1254	SW8082A	2.12 J	0.15 U	0.0581 J	0.14 U	0.078 U	0.099 U
Aroclor 1260	SW8082A	3.57 J	0.15 U	0.211	0.14 U	0.078 U	0.099 U
Total PCB Aroclors (U = 0 max limit)		5.69 J	0.13 U	0.269 J	0.12 U	0.070 U	0.088 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-C-D-2-3-221013-0.5-01 10/13/2022 0.5 - 1 ft	SE-WP-C-D-2-3-221013-00-0.5 10/13/2022 0 - 0.5 ft	SE-WP-C-D-2-3-221013-01-1.3 10/13/2022 1 - 1.3 ft	SE-WP-C-D-3-4-221020-0.5-01 10/20/2022 0.5 - 1 ft	SE-WP-C-D-3-4-221020-00-0.5 10/20/2022 0 - 0.5 ft	SE-WP-C-D-3-4-221020-01-1.5 10/20/2022 1 - 1.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	0.0673 J	2.55 J	0.0711 J	11.3 J	7.15 J	0.233 J
Total solids	SM2540G	82.2	65.7	86.5	27	27.9	81.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.050 U	0.038 U	0.12 U	0.12 U	0.039 U
Aroclor 1221	SW8082A	0.039 U	0.050 U	0.038 U	0.12 U	0.12 U	0.039 U
Aroclor 1232	SW8082A	0.039 U	0.050 U	0.038 U	0.12 U	0.12 U	0.039 U
Aroclor 1242	SW8082A	0.039 U	0.050 U	0.038 U	0.12 U	0.12 U	0.039 U
Aroclor 1248	SW8082A	0.039 U	0.050 U	0.038 U	0.12 U	0.12 U	0.039 U
Aroclor 1254	SW8082A	0.039 U	0.050 U	0.038 U	3.23 J	3.33 J	0.039 U
Aroclor 1260	SW8082A	0.039 U	0.122	0.038 U	3.38 J	7 J	0.039 U
Total PCB Aroclors (U = 0 max limit)		0.035 U	0.122	0.034 U	6.61 J	10 J	0.035 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-C-D-3-4-221020-1.5-1.68 10/20/2022 1.5 - 1.68 ft	SE-WP-C-D-4-5-221020-0.5-01 10/20/2022 0.5 - 1 ft	SE-WP-C-D-4-5-221020-00-0.5 10/20/2022 0 - 0.5 ft	SE-WP-C-D-4-5-221020-01-1.5 10/20/2022 1 - 1.5 ft	SE-WP-C-D-4-5-221020-1.5-02 10/20/2022 1.5 - 2 ft	SE-WP-C-D-5-6-221019-0.5-01 10/19/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	9.74 J	4.67 J	5.78 J	11.2 J	6.84 J	4.05 J
Total solids	SM2540G	35.4	37.6	22.4	30.6	37.3	36.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.094 U	0.083 U	0.13 U	0.11 U	0.086 U	0.088 U
Aroclor 1221	SW8082A	0.094 U	0.083 U	0.13 U	0.11 U	0.086 U	0.088 U
Aroclor 1232	SW8082A	0.094 U	0.083 U	0.13 U	0.11 U	0.086 U	0.088 U
Aroclor 1242	SW8082A	0.094 U	0.083 U	0.13 U	0.11 U	0.086 U	0.088 U
Aroclor 1248	SW8082A	0.094 U	0.083 U	0.13 U	0.11 U	0.086 U	0.088 U
Aroclor 1254	SW8082A	0.094 U	0.504 J	1.06 J	0.678 J	0.086 U	0.891 J
Aroclor 1260	SW8082A	0.094 U	2.53 J	4.67 J	0.523 J	0.0741 J	4.93
Total PCB Aroclors (U = 0 max limit)		0.083 U	3.03 J	5.73 J	1.20 J	0.0741 J	5.82 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-C-D-5-6-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-C-D-5-6-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-C-D-5-6-221019-02-2.28 10/19/2022 2 - 2.28 ft	SE-WP-C-D-5-6-221019-1.5-02 10/19/2022 1.5 - 2 ft	SE-WP-C-D-6-221014-0.5-01 10/14/2022 0.5 - 1 ft	SE-WP-C-D-6-221014-00-0.5 10/14/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	7.2 J	7.52 J	10.5 J	7.5 J	10.4 J	2.3 J
Total solids	SM2540G	26.3	32.4	32.4	38.7	42.2	66.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.13 U	0.10 U	0.099 U	0.085 U	0.079 U	0.047 U
Aroclor 1221	SW8082A	0.13 U	0.10 U	0.099 U	0.085 U	0.079 U	0.047 U
Aroclor 1232	SW8082A	0.13 U	0.10 U	0.099 U	0.085 U	0.079 U	0.047 U
Aroclor 1242	SW8082A	0.13 U	0.10 U	0.099 U	0.085 U	0.079 U	0.047 U
Aroclor 1248	SW8082A	0.13 U	0.10 U	0.099 U	0.085 U	0.079 U	0.047 U
Aroclor 1254	SW8082A	1.47	1.35	0.099 U	0.623	0.079 U	0.047 U
Aroclor 1260	SW8082A	5.86	4.26	0.099 U	0.461	0.079 U	0.148 J
Total PCB Aroclors (U = 0 max limit)		7.33	5.61	0.088 U	1.08	0.070 U	0.148 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-C-D-6-221014-01-1.5 10/14/2022 1 - 1.5 ft	SE-WP-C-D-6-221014-02-2.5 10/14/2022 2 - 2.5 ft	SE-WP-C-D-6-221014-1.5-02 10/14/2022 1.5 - 2 ft	SE-WP-D-E-2-221013-0.5-01 10/13/2022 0.5 - 1 ft	SE-WP-D-E-2-221013-00-0.5 10/13/2022 0 - 0.5 ft	SE-WP-D-E-2-221013-01-1.5 10/13/2022 1 - 1.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	23.9 J	4.39 J	23.3 J	3.79 J	4.92	3.28
Total solids	SM2540G	20.4	43	16.3	55.7	43.1	53
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.16 U	0.070 U	0.20 U	0.058 U	0.070 U	0.062 U
Aroclor 1221	SW8082A	0.16 U	0.070 U	0.20 U	0.058 U	0.070 U	0.062 U
Aroclor 1232	SW8082A	0.16 U	0.070 U	0.20 U	0.058 U	0.070 U	0.062 U
Aroclor 1242	SW8082A	0.16 U	0.070 U	0.20 U	0.058 U	0.070 U	0.062 U
Aroclor 1248	SW8082A	0.16 U	0.070 U	0.20 U	0.058 U	0.070 U	0.062 U
Aroclor 1254	SW8082A	0.16 U	0.070 U	0.20 U	0.058 UJ	0.351 J	0.062 U
Aroclor 1260	SW8082A	0.16 U	0.070 U	0.20 U	0.058 U	0.755 J	0.062 U
Total PCB Aroclors (U = 0 max limit)		0.14 U	0.06 U	0.2 U	0.052 UJ	1.11 J	0.056 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-D-E-2-BD0001 10/13/2022 0.5 - 1 ft	SE-WP-D-E-2-3-221019-0.5-01 10/19/2022 0.5 - 1 ft	SE-WP-D-E-2-3-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-D-E-2-3-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-D-E-2-3-221019-02-2.5 10/19/2022 2 - 2.5 ft	SE-WP-D-E-2-3-221019-1.5-02 10/19/2022 1.5 - 2 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	4.38	7.91 J	13.4 J	3.28 J	0.207 J	0.174 J
Total solids	SM2540G	51.3	28.6	13	48.3	84.4	83.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.064 U	0.11 U	0.25 U	0.069 U	0.038 U	0.037 U
Aroclor 1221	SW8082A	0.064 U	0.11 U	0.25 U	0.069 U	0.038 U	0.037 U
Aroclor 1232	SW8082A	0.064 U	0.11 U	0.25 U	0.069 U	0.038 U	0.037 U
Aroclor 1242	SW8082A	0.064 U	0.11 U	0.25 U	0.069 U	0.038 U	0.037 U
Aroclor 1248	SW8082A	0.064 U	0.11 U	0.25 U	0.069 U	0.038 U	0.037 U
Aroclor 1254	SW8082A	0.271 J	1.71	1.22 J	0.069 U	0.038 U	0.037 U
Aroclor 1260	SW8082A	0.162 J	4.54	3.05	0.069 U	0.038 U	0.037 U
Total PCB Aroclors (U = 0 max limit)		0.433 J	6.25	4.27 J	0.061 U	0.034 U	0.033 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-D-E-3-4-221019-0.5-01 10/19/2022 0.5 - 1 ft	SE-WP-D-E-3-4-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-D-E-3-4-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-D-E-3-4-221019-1.5-02 10/19/2022 1.5 - 2 ft	SE-WP-D-E-4-5-221019-0.5-01 10/19/2022 0.5 - 1 ft	SE-WP-D-E-4-5-221019-00-0.5 10/19/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	6.7	3.91	12.4	19.1	5.27	3.09
Total solids	SM2540G	16.4	34	24.5	17.1	28.1	34.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.20 U	0.098 U	0.14 U	0.19 U	0.11 U	0.089 U
Aroclor 1221	SW8082A	0.20 U	0.098 U	0.14 U	0.19 U	0.11 U	0.089 U
Aroclor 1232	SW8082A	0.20 U	0.098 U	0.14 U	0.19 U	0.11 U	0.089 U
Aroclor 1242	SW8082A	0.20 U	0.098 U	0.14 U	0.19 U	0.11 U	0.089 U
Aroclor 1248	SW8082A	0.20 U	0.098 U	0.14 U	0.19 U	0.11 U	0.089 U
Aroclor 1254	SW8082A	0.855	2.57 J	0.944 J	0.19 U	5.57 J	1.28 J
Aroclor 1260	SW8082A	3.05	6.44 J	1.08 J	0.19 U	11.4 J	7.22 J
Total PCB Aroclors (U = 0 max limit)		3.91	9.01 J	2.02 J	0.17 U	17.0 J	8.50 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-D-E-4-5-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-D-E-4-5-221019-1.5-02 10/19/2022 1.5 - 2 ft	SE-WP-D-E-5-6-221019-0.5-01 10/19/2022 0.5 - 1 ft	SE-WP-D-E-5-6-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-D-E-5-6-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-D-E-5-6-221019-02-2.47 10/19/2022 2 - 2.47 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	8.85	3.11	5.51	5.85	4.25 J	7.05 J
Total solids	SM2540G	29.8	50.1	23.3	16.6	43.2	39.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.10 U	0.062 U	0.14 U	0.20 U	0.076 U	0.079 U
Aroclor 1221	SW8082A	0.10 U	0.062 U	0.14 U	0.20 U	0.076 U	0.079 U
Aroclor 1232	SW8082A	0.10 U	0.062 U	0.14 U	0.20 U	0.076 U	0.079 U
Aroclor 1242	SW8082A	0.10 U	0.062 U	0.14 U	0.20 U	0.076 U	0.079 U
Aroclor 1248	SW8082A	0.10 U	0.062 U	0.14 U	0.20 U	0.076 U	0.079 U
Aroclor 1254	SW8082A	0.726 J	0.062 U	2.16 J	1.04 J	0.076 U	0.079 U
Aroclor 1260	SW8082A	0.835 J	0.0710 J	7.7 J	4.23 J	7.04 J	0.079 U
Total PCB Aroclors (U = 0 max limit)		1.56 J	0.0710 J	9.9 J	5.27 J	7.04 J	0.071 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-D-E-5-6-221019-1.5-02 10/19/2022 1.5 - 2 ft	SE-WP-D-E-5-6-BD0001 10/19/2022 2 - 2.47 ft	SE-WP-D-E-6-7-221014-0.5-01 10/14/2022 0.5 - 1 ft	SE-WP-D-E-6-7-221014-00-0.5 10/14/2022 0 - 0.5 ft	SE-WP-D-E-6-7-221014-01-1.5 10/14/2022 1 - 1.5 ft	SE-WP-D-E-6-7-221014-1.5-1.98 10/14/2022 1.5 - 1.98 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	6.41 J	8.96 J	5.65 J	8 J	0.641 J	1.01 J
Total solids	SM2540G	37.8	33.9	37.7	27.1	67.1	68.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.088 U	0.097 U	0.086 U	0.12 U	0.048 U	0.048 U
Aroclor 1221	SW8082A	0.088 U	0.097 U	0.086 U	0.12 U	0.048 U	0.048 U
Aroclor 1232	SW8082A	0.088 U	0.097 U	0.086 U	0.12 U	0.048 U	0.048 U
Aroclor 1242	SW8082A	0.088 U	0.097 U	0.086 U	0.12 U	0.048 U	0.048 U
Aroclor 1248	SW8082A	0.088 U	0.097 U	0.086 U	0.12 U	0.048 U	0.048 U
Aroclor 1254	SW8082A	0.088 U	0.097 U	0.086 U	3.25 J	0.048 U	0.048 U
Aroclor 1260	SW8082A	0.088 U	0.097 U	0.0679 J	11.2 J	0.0315 J	0.048 U
Total PCB Aroclors (U = 0 max limit)		0.079 U	0.087 U	0.0679 J	14.5 J	0.0315 J	0.043 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-E-7-8-221014-0.5-01 10/14/2022 0.5 - 1 ft	SE-WP-E-7-8-221014-00-0.5 10/14/2022 0 - 0.5 ft	SE-WP-E-8-9-221014-0.5-01 10/14/2022 0.5 - 1 ft	SE-WP-E-8-9-221014-00-0.5 10/14/2022 0 - 0.5 ft	SE-WP-E-8-9-221014-01-1.5 10/14/2022 1 - 1.5 ft	SE-WP-E-9-221017-0.5-01 10/17/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	26.3 J	14.5 J	1.59 J	1.6 J	0.703 J	6 J
Total solids	SM2540G	13.6	21.8	64.1	61.1	69.2	45
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.24 U	0.15 U	0.052 U	0.054 U	0.047 U	0.073 U
Aroclor 1221	SW8082A	0.24 U	0.15 U	0.052 U	0.054 U	0.047 U	0.073 U
Aroclor 1232	SW8082A	0.24 U	0.15 U	0.052 U	0.054 U	0.047 U	0.073 U
Aroclor 1242	SW8082A	0.24 U	0.15 U	0.052 U	0.054 U	0.047 U	0.073 U
Aroclor 1248	SW8082A	0.24 U	0.15 U	0.052 U	0.054 U	0.047 U	0.073 U
Aroclor 1254	SW8082A	0.234 J	1.41 J	0.0765 J	0.054 U	0.047 U	0.982
Aroclor 1260	SW8082A	0.402 J	4.01 J	0.456 J	0.0574 J	0.047 U	1.02
Total PCB Aroclors (U = 0 max limit)		0.636 J	5.42 J	0.533 J	0.0574 J	0.042 U	2

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-E-9-221017-00-0.5 10/17/2022 0 - 0.5 ft	SE-WP-E-9-221017-01-1.5 10/17/2022 1 - 1.5 ft	SE-WP-E-F-10-11-221017-0.5-01 10/17/2022 0.5 - 1 ft	SE-WP-E-F-10-11-221017-00-0.5 10/17/2022 0 - 0.5 ft	SE-WP-E-F-10-11-221017-01-1.48 10/17/2022 1 - 1.48 ft	SE-WP-E-F-10-11-BD0001 10/17/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	4.88 J	9.99 J	5.12	3.42	3.91	5.18
Total solids	SM2540G	42.9	36.3	35.4	42.4	46.4	34.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.077 U	0.090 U	0.094 U	0.077 U	0.067 U	0.089 U
Aroclor 1221	SW8082A	0.077 U	0.090 U	0.094 U	0.077 U	0.067 U	0.089 U
Aroclor 1232	SW8082A	0.077 U	0.090 U	0.094 U	0.077 U	0.067 U	0.089 U
Aroclor 1242	SW8082A	0.077 U	0.090 U	0.094 U	0.077 U	0.067 U	0.089 U
Aroclor 1248	SW8082A	0.077 U	0.090 U	0.094 U	0.077 UJ	0.067 U	0.089 U
Aroclor 1254	SW8082A	1.54	0.55	5.03	1.03 J	0.726	7.35
Aroclor 1260	SW8082A	2.8	0.286	4.42	1.73	0.746	5.99
Total PCB Aroclors (U = 0 max limit)		4.3	0.84	9.45	2.76 J	1.47	13.3

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-E-F-2-221013-0.5-01 10/13/2022 0.5 - 1 ft	SE-WP-E-F-2-221013-00-0.5 10/13/2022 0 - 0.5 ft	SE-WP-E-F-2-221013-01-1.25 10/13/2022 1 - 1.25 ft	SE-WP-E-F-2-3-221019-0.5-01 10/19/2022 0.5 - 1 ft	SE-WP-E-F-2-3-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-E-F-2-3-221019-01-1.5 10/19/2022 1 - 1.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	0.515	0.424	1.83	1.14 J	8.57 J	1.87 J
Total solids	SM2540G	79.2	78.4	83.3	57.4	16.1	72.3
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.041 U	0.041 U	0.037 U	0.053 U	0.21 U	0.042 U
Aroclor 1221	SW8082A	0.041 U	0.041 U	0.037 U	0.053 U	0.21 U	0.042 U
Aroclor 1232	SW8082A	0.041 U	0.041 U	0.037 U	0.053 U	0.21 U	0.042 U
Aroclor 1242	SW8082A	0.041 U	0.041 U	0.037 U	0.053 U	0.21 U	0.042 U
Aroclor 1248	SW8082A	0.041 U	0.041 U	0.037 U	0.053 U	0.21 U	0.042 U
Aroclor 1254	SW8082A	0.041 U	0.041 U	0.037 U	1.55 J	1.26 J	0.949 J
Aroclor 1260	SW8082A	0.041 U	0.041 U	0.037 U	1.06 J	2.29 J	1.79 J
Total PCB Aroclors (U = 0 max limit)		0.037 U	0.036 U	0.033 U	2.61 J	3.55 J	2.74 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-E-F-2-3-221019-02-2.5 10/19/2022 2 - 2.5 ft	SE-WP-E-F-2-3-221019-1.5-02 10/19/2022 1.5 - 2 ft	SE-WP-E-F-2-3-BD0001 10/19/2022 1.5 - 2 ft	SE-WP-E-F-3-4-221019-0.5-01 10/19/2022 0.5 - 1 ft	SE-WP-E-F-3-4-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-E-F-3-4-221019-01-1.5 10/19/2022 1 - 1.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	15.7 J	10.9 J	7.99 J	2.29 J	6.21 J	17.5 J
Total solids	SM2540G	22.4	28.8	31.8	33.3	25.6	29.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.14 U	0.11 U	0.10 U	0.099 U	0.11 U	0.11 U
Aroclor 1221	SW8082A	0.14 U	0.11 U	0.10 U	0.099 U	0.11 U	0.11 U
Aroclor 1232	SW8082A	0.14 U	0.11 U	0.10 U	0.099 U	0.11 U	0.11 U
Aroclor 1242	SW8082A	0.14 U	0.11 U	0.10 U	0.099 U	0.11 U	0.11 U
Aroclor 1248	SW8082A	0.14 U	0.11 U	0.10 U	0.099 U	0.11 U	0.11 U
Aroclor 1254	SW8082A	0.698 J	6.77 J	10.2 J	1.22 J	1.94	1.59
Aroclor 1260	SW8082A	0.452 J	3.66 J	14.3 J	2.8 J	4.85	2.17
Total PCB Aroclors (U = 0 max limit)		1.15 J	10.4 J	24.5 J	4.0 J	6.79	3.76

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-E-F-3-4-221019-1.5-02 10/19/2022 1.5 - 2 ft	SE-WP-E-F-4-5-221019-0.5-01 10/19/2022 0.5 - 1 ft	SE-WP-E-F-4-5-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-E-F-4-5-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-E-F-4-5-221019-1.5-1.9 10/19/2022 1.5 - 1.9 ft	SE-WP-E-F-5-6-221019-0.5-01 10/19/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	36.4 J	8.94 J	10.6 J	13.8 J	1.58 J	4.48 J
Total solids	SM2540G	13.9	17.9	12.9	27.9	48.7	34.3
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.23 U	0.18 U	0.26 U	0.12 U	0.067 U	0.091 U
Aroclor 1221	SW8082A	0.23 U	0.18 U	0.26 U	0.12 U	0.067 U	0.091 U
Aroclor 1232	SW8082A	0.23 U	0.18 U	0.26 U	0.12 U	0.067 U	0.091 U
Aroclor 1242	SW8082A	0.23 U	0.18 U	0.26 U	0.12 U	0.067 U	0.091 U
Aroclor 1248	SW8082A	0.23 U	0.18 U	0.26 U	0.12 U	0.067 U	0.091 U
Aroclor 1254	SW8082A	0.23 U	2.26	1.29	4.51	0.067 U	1.28
Aroclor 1260	SW8082A	0.23 U	6.43	3.83	2.48	0.067 U	3.93
Total PCB Aroclors (U = 0 max limit)		0.21 U	8.69	5.12	6.99	0.059 U	5.21

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-E-F-5-6-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-E-F-5-6-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-E-F-5-6-221019-02-2.45 10/19/2022 2 - 2.45 ft	SE-WP-E-F-5-6-221019-1.5-02 10/19/2022 1.5 - 2 ft	SE-WP-E-F-6-7-221018-0.5-01 10/18/2022 0.5 - 1 ft	SE-WP-E-F-6-7-221018-00-0.5 10/18/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	5.32 J	5.21 J	13.7 J	6.79 J	4.03 J	3.88 J
Total solids	SM2540G	26.3	36.1	24	40.4	37.4	34.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.12 U	0.083 U	0.14 U	0.078 U	0.085 U	0.089 U
Aroclor 1221	SW8082A	0.12 U	0.083 U	0.14 U	0.078 U	0.085 U	0.089 U
Aroclor 1232	SW8082A	0.12 U	0.083 U	0.14 U	0.078 U	0.085 U	0.089 U
Aroclor 1242	SW8082A	0.12 U	0.083 U	0.14 U	0.078 U	0.085 U	0.089 U
Aroclor 1248	SW8082A	0.12 U	0.083 U	0.14 U	0.078 U	0.085 U	0.089 U
Aroclor 1254	SW8082A	2.29	1.25	0.12 J	0.078 U	0.353 J	0.426
Aroclor 1260	SW8082A	5.81	0.488	0.222	0.078 U	1.1	1.57
Total PCB Aroclors (U = 0 max limit)		8.1	1.74	0.34 J	0.069 U	1.5 J	2

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-E-F-6-7-221018-01-1.5 10/18/2022 1 - 1.5 ft	SE-WP-E-F-6-7-221018-1.5-02 10/18/2022 1.5 - 2 ft	SE-WP-E-F-8-9-221018-0.5-01 10/18/2022 0.5 - 1 ft	SE-WP-E-F-8-9-221018-00-0.5 10/18/2022 0 - 0.5 ft	SE-WP-E-F-8-9-221018-01-1.5 10/18/2022 1 - 1.5 ft	SE-WP-E-F-8-9-221018-1.5-1.81 10/18/2022 1.5 - 1.81 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	10.2 J	4.97 J	3.73 J	5.51 J	3.38 J	3.08 J
Total solids	SM2540G	26	40.9	35.8	19.3	46.8	49.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.12 U	0.081 U	0.089 U	0.15 U	0.068 U	0.063 U
Aroclor 1221	SW8082A	0.12 U	0.081 U	0.089 U	0.15 U	0.068 U	0.063 U
Aroclor 1232	SW8082A	0.12 U	0.081 U	0.089 U	0.15 U	0.068 U	0.063 U
Aroclor 1242	SW8082A	0.12 U	0.081 U	0.089 U	0.15 U	0.068 U	0.063 U
Aroclor 1248	SW8082A	0.12 U	0.081 U	0.089 U	0.15 U	0.068 U	0.063 U
Aroclor 1254	SW8082A	1.05	0.081 U	1.89	1.01	1.19 J	0.338 J
Aroclor 1260	SW8082A	1.04	0.0541 J	4.11	3.08	3.26 J	0.473 J
Total PCB Aroclors (U = 0 max limit)		2.09	0.0541 J	6	4.09	4.45 J	0.811 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-E-F-9-10-221018-0.5-01 10/18/2022 0.5 - 1 ft	SE-WP-E-F-9-10-221018-00-0.5 10/18/2022 0 - 0.5 ft	SE-WP-E-F-9-10-221018-01-1.5 10/18/2022 1 - 1.5 ft	SE-WP-E-F-9-10-221018-1.5-1.95 10/18/2022 1.5 - 1.95 ft	SE-WP-E-F-9-10-BD0001 10/18/2022 1 - 1.5 ft	SE-WP-F-11-12-221017-0.5-01 10/17/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	6.39 J	7.62 J	7.17 J	9.65 J	5.14 J	3.61
Total solids	SM2540G	38.4	22.7	44.8	36.2	42.5	37.3
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.086 U	0.14 U	0.072 U	0.090 U	0.078 U	0.088 U
Aroclor 1221	SW8082A	0.086 U	0.14 U	0.072 U	0.090 U	0.078 U	0.088 U
Aroclor 1232	SW8082A	0.086 U	0.14 U	0.072 U	0.090 U	0.078 U	0.088 U
Aroclor 1242	SW8082A	0.086 U	0.14 U	0.072 U	0.090 U	0.078 U	0.088 U
Aroclor 1248	SW8082A	0.086 U	0.14 U	0.072 U	0.090 U	0.078 U	0.088 U
Aroclor 1254	SW8082A	1.35 J	2.82 J	3.96 J	0.0675 J	2.61 J	0.415
Aroclor 1260	SW8082A	3.24 J	5.64 J	4.05 J	0.090 U	5.06 J	1.16
Total PCB Aroclors (U = 0 max limit)		4.59 J	8.46 J	8.01 J	0.0675 J	7.67 J	1.58

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-F-11-12-221017-00-0.5 10/17/2022 0 - 0.5 ft	SE-WP-F-11-12-221017-01-1.5 10/17/2022 1 - 1.5 ft	SE-WP-F-11-12-221017-02-2.31 10/17/2022 2 - 2.31 ft	SE-WP-F-11-12-221017-1.5-02 10/17/2022 1.5 - 2 ft	SE-WP-F-12-13-221017-0.5-01 10/17/2022 0.5 - 1 ft	SE-WP-F-12-13-221017-00-0.5 10/17/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	4.14	2.68	6.47	5.01	3.61	5.6 J
Total solids	SM2540G	33.6	47	36.5	36.7	40.2	31.3
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.094 U	0.071 U	0.091 U	0.087 U	0.077 U	0.11 U
Aroclor 1221	SW8082A	0.094 U	0.071 U	0.091 U	0.087 U	0.077 U	0.11 U
Aroclor 1232	SW8082A	0.094 U	0.071 U	0.091 U	0.087 U	0.077 U	0.11 U
Aroclor 1242	SW8082A	0.094 U	0.071 U	0.091 U	0.087 U	0.077 U	0.11 U
Aroclor 1248	SW8082A	0.094 U	0.071 U	0.091 U	0.087 U	0.077 U	0.11 U
Aroclor 1254	SW8082A	1.61	0.397	1.04	3.39 J	1.47	0.623
Aroclor 1260	SW8082A	3.33	0.703	0.802	4.11 J	4.64	2.56
Total PCB Aroclors (U = 0 max limit)		4.94	1.1	1.84	7.50 J	6.11	3.18

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-F-12-13-221017-01-1.5 10/17/2022 1 - 1.5 ft	SE-WP-F-12-13-221017-02-2.3 10/17/2022 2 - 2.3 ft	SE-WP-F-12-13-221017-1.5-02 10/17/2022 1.5 - 2 ft	SE-WP-F-6-7-221018-0.5-01 10/18/2022 0.5 - 1 ft	SE-WP-F-6-7-221018-00-0.5 10/18/2022 0 - 0.5 ft	SE-WP-F-6-7-221018-01-1.5 10/18/2022 1 - 1.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	4.85 J	9.94 J	10.5 J	7.07 J	6.06 J	0.125 J
Total solids	SM2540G	45	31.1	32.4	41.6	34	88.6
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.071 U	0.11 U	0.10 U	0.078 U	0.097 U	0.035 U
Aroclor 1221	SW8082A	0.071 U	0.11 U	0.10 U	0.078 U	0.097 U	0.035 U
Aroclor 1232	SW8082A	0.071 U	0.11 U	0.10 U	0.078 U	0.097 U	0.035 U
Aroclor 1242	SW8082A	0.071 U	0.11 U	0.10 U	0.078 U	0.097 U	0.035 U
Aroclor 1248	SW8082A	0.071 U	0.11 U	0.10 U	0.078 U	0.097 U	0.035 U
Aroclor 1254	SW8082A	1.23	1.09	2.4	2.52 J	6.09 J	0.035 U
Aroclor 1260	SW8082A	2.36	0.339	3.23	5.51 J	10.9 J	0.0377 J
Total PCB Aroclors (U = 0 max limit)		3.59	1.43	5.6	8.03 J	17.0 J	0.0377 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-F-7-8-221018-0.5-01 10/18/2022 0.5 - 1 ft	SE-WP-F-7-8-221018-00-0.5 10/18/2022 0 - 0.5 ft	SE-WP-F-7-8-221018-01-1.5 10/18/2022 1 - 1.5 ft	SE-WP-F-7-8-221018-1.5-1.9 10/18/2022 1.5 - 1.9 ft	SE-WP-F-G-13-14-221017-0.5-01 10/17/2022 0.5 - 1 ft	SE-WP-F-G-13-14-221017-00-0.5 10/17/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	5.47 J	8.58 J	5.66 J	8.86 J	6.76 J	1.45 J
Total solids	SM2540G	36.4	25.5	35.1	26.1	43.8	66.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.089 U	0.12 U	0.094 U	0.13 U	0.070 U	0.047 U
Aroclor 1221	SW8082A	0.089 U	0.12 U	0.094 U	0.13 U	0.070 U	0.047 U
Aroclor 1232	SW8082A	0.089 U	0.12 U	0.094 U	0.13 U	0.070 U	0.047 U
Aroclor 1242	SW8082A	0.089 U	0.12 U	0.094 U	0.13 U	0.070 U	0.047 U
Aroclor 1248	SW8082A	0.089 U	0.12 U	0.094 U	0.13 U	0.070 U	0.047 U
Aroclor 1254	SW8082A	1.4 J	2.06 J	7.98 J	0.853 J	0.683 J	0.126
Aroclor 1260	SW8082A	4.53 J	7.2 J	11.3 J	1.07 J	2.6 J	0.494
Total PCB Aroclors (U = 0 max limit)		5.9 J	9.3 J	19.3 J	1.92 J	3.3 J	0.62

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-F-G-13-14-221017-01-1.5 10/17/2022 1 - 1.5 ft	SE-WP-F-G-13-14-BD0001 10/17/2022 1 - 1.5 ft	SE-WP-F-G-2-221013-0.5-01 10/13/2022 0.5 - 1 ft	SE-WP-F-G-2-221013-00-0.5 10/13/2022 0 - 0.5 ft	SE-WP-F-G-2-3-221019-0.5-01 10/19/2022 0.5 - 1 ft	SE-WP-F-G-2-3-221019-00-0.5 10/19/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	3.44 J	10.3 J	4.36	8.45 J	1.9 J	0.21 J
Total solids	SM2540G	47.2	32.6	49.4	22.8	62.6	80.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.069 U	0.10 U	0.061 U	0.14 U	0.050 U	0.038 U
Aroclor 1221	SW8082A	0.069 U	0.10 U	0.061 U	0.14 U	0.050 U	0.038 U
Aroclor 1232	SW8082A	0.069 U	0.10 U	0.061 U	0.14 U	0.050 U	0.038 U
Aroclor 1242	SW8082A	0.069 U	0.10 U	0.061 U	0.14 U	0.050 U	0.038 U
Aroclor 1248	SW8082A	0.069 U	0.10 U	0.061 U	0.14 U	0.050 U	0.038 U
Aroclor 1254	SW8082A	0.082	0.10 U	0.643 J	2.35	1.04 J	0.121
Aroclor 1260	SW8082A	0.101 J	0.113	0.256 J	4.65	0.278	0.17
Total PCB Aroclors (U = 0 max limit)		0.183 J	0.113	0.899 J	7	1.32 J	0.29

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-F-G-2-3-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-F-G-3-4-221019-0.5-01 10/19/2022 0.5 - 1 ft	SE-WP-F-G-3-4-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-F-G-3-4-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-F-G-3-4-221019-1.5-1.98 10/19/2022 1.5 - 1.98 ft	SE-WP-F-G-4-5-221019-0.5-01 10/19/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	22.3 J	3.3 J	6.21 J	6.8 J	2.31 J	5.76 J
Total solids	SM2540G	15.8	28.7	15	24.8	49.1	27.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.20 U	0.11 U	0.21 U	0.13 U	0.064 U	0.11 U
Aroclor 1221	SW8082A	0.20 U	0.11 U	0.21 U	0.13 U	0.064 U	0.11 U
Aroclor 1232	SW8082A	0.20 U	0.11 U	0.21 U	0.13 U	0.064 U	0.11 U
Aroclor 1242	SW8082A	0.20 U	0.11 U	0.21 U	0.13 U	0.064 U	0.11 U
Aroclor 1248	SW8082A	0.20 U	0.11 U	0.21 U	0.13 U	0.064 U	0.11 U
Aroclor 1254	SW8082A	0.20 U	2.63	1.68 J	1.6	0.064 U	2.02 J
Aroclor 1260	SW8082A	0.16 J	7.43	4.57	0.957	0.064 U	3.84 J
Total PCB Aroclors (U = 0 max limit)		0.16 J	10.1	6.25 J	2.6	0.057 U	5.86 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-F-G-4-5-221019-00-0.5 10/19/2022 0 - 0.5 ft	SE-WP-F-G-4-5-221019-01-1.5 10/19/2022 1 - 1.5 ft	SE-WP-F-G-4-5-221019-1.5-1.98 10/19/2022 1.5 - 1.98 ft	SE-WP-F-G-4-5-BD0001 10/19/2022 0.5 - 1 ft	SE-WP-F-G-5-6-221018-0.5-01 10/18/2022 0.5 - 1 ft	SE-WP-F-G-5-6-221018-00-0.5 10/18/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	4.58 J	18.8 J	21.2 J	5.14 J	5.48 J	4.1 J
Total solids	SM2540G	25.7	19.6	16.8	28.3	34.5	26.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.12 U	0.16 U	0.19 U	0.11 U	0.095 U	0.12 U
Aroclor 1221	SW8082A	0.12 U	0.16 U	0.19 U	0.11 U	0.095 U	0.12 U
Aroclor 1232	SW8082A	0.12 U	0.16 U	0.19 U	0.11 U	0.095 U	0.12 U
Aroclor 1242	SW8082A	0.12 U	0.16 U	0.19 U	0.11 U	0.095 U	0.12 U
Aroclor 1248	SW8082A	0.12 U	0.16 U	0.19 U	0.11 U	0.095 U	0.12 U
Aroclor 1254	SW8082A	1.92 J	0.16 U	0.19 U	0.968 J	2.37 J	1.4 J
Aroclor 1260	SW8082A	5.29 J	0.188 J	0.139 J	1.88 J	2.25 J	4.73 J
Total PCB Aroclors (U = 0 max limit)		7.21 J	0.188 J	0.139 J	2.85 J	4.62 J	6.1 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-F-G-5-6-221018-01-1.5 10/18/2022 1 - 1.5 ft	SE-WP-F-G-5-6-221018-1.5-02 10/18/2022 1.5 - 2 ft	SE-WP-G-15-16-221017-0.5-0.86 10/17/2022 0.5 - 0.86 ft	SE-WP-G-15-16-221017-00-0.5 10/17/2022 0 - 0.5 ft	SE-WP-G-16-17-221017-0.5-01 10/17/2022 0.5 - 1 ft	SE-WP-G-16-17-221017-00-0.5 10/17/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	0.124 J	0.081 J	1.61 J	6.29 J	7.41 J	6.75 J
Total solids	SM2540G	84.5	82.5	58.1	26.7	28.1	27.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.039 U	0.038 U	0.056 U	0.11 U	0.11 U	0.12 U
Aroclor 1221	SW8082A	0.039 U	0.038 U	0.056 U	0.11 U	0.11 U	0.12 U
Aroclor 1232	SW8082A	0.039 U	0.038 U	0.056 U	0.11 U	0.11 U	0.12 U
Aroclor 1242	SW8082A	0.039 U	0.038 U	0.056 U	0.11 U	0.11 U	0.12 U
Aroclor 1248	SW8082A	0.039 U	0.038 U	0.056 U	0.11 U	0.11 U	0.12 U
Aroclor 1254	SW8082A	0.039 U	0.038 U	0.42	0.334	0.883	1.12
Aroclor 1260	SW8082A	0.0312 J	0.038 U	0.834	1.13	2.44	3.42
Total PCB Aroclors (U = 0 max limit)		0.0312 J	0.034 U	1.3	1.46	3.32	4.54

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-G-18-19-221017-0.5-01 10/17/2022 0.5 - 1 ft	SE-WP-G-18-19-221017-00-0.5 10/17/2022 0 - 0.5 ft	SE-WP-G-18-19-221017-01-1.5 10/17/2022 1 - 1.5 ft	SE-WP-G-18-19-221017-02-2.48 10/17/2022 2 - 2.48 ft	SE-WP-G-18-19-221017-1.5-02 10/17/2022 1.5 - 2 ft	SE-WP-G-19-20-221018-0.5-01 10/18/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	3.86 J	8.29 J	3.33 J	0.785 J	4.75 J	2.96 J
Total solids	SM2540G	45.3	22.8	45.6	73.7	43.1	48.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.069 U	0.15 U	0.070 U	0.045 U	0.073 U	0.066 U
Aroclor 1221	SW8082A	0.069 U	0.15 U	0.070 U	0.045 U	0.073 U	0.066 U
Aroclor 1232	SW8082A	0.069 U	0.15 U	0.070 U	0.045 U	0.073 U	0.066 U
Aroclor 1242	SW8082A	0.069 U	0.15 U	0.070 U	0.045 U	0.073 U	0.066 U
Aroclor 1248	SW8082A	0.069 U	0.15 U	0.070 U	0.045 U	0.073 U	0.066 U
Aroclor 1254	SW8082A	0.59	1.28	0.785 J	0.0257 J	4.41	0.396 J
Aroclor 1260	SW8082A	1.19	3.51	3.73 J	0.0509	4.96	0.713 J
Total PCB Aroclors (U = 0 max limit)		1.8	4.79	4.52 J	0.0766 J	9.37	1.11 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-G-19-20-221018-00-0.5 10/18/2022 0 - 0.5 ft	SE-WP-G-19-20-221018-01-1.45 10/18/2022 1 - 1.45 ft	SE-WP-G-4-5-221018-0.5-01 10/18/2022 0.5 - 1 ft	SE-WP-G-4-5-221018-00-0.5 10/18/2022 0 - 0.5 ft	SE-WP-G-4-5-221018-01-1.5 10/18/2022 1 - 1.5 ft	SE-WP-G-4-5-221018-02-2.27 10/18/2022 2 - 2.27 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	3.46 J	3.43 J	6.58 J	7.24 J	24.8 J	2.27 J
Total solids	SM2540G	45.2	44.5	32.5	19.3	16.5	56.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.070 U	0.074 U	0.098 U	0.16 U	0.19 U	0.055 U
Aroclor 1221	SW8082A	0.070 U	0.074 U	0.098 U	0.16 U	0.19 U	0.055 U
Aroclor 1232	SW8082A	0.070 U	0.074 U	0.098 U	0.16 U	0.19 U	0.055 U
Aroclor 1242	SW8082A	0.070 U	0.074 U	0.098 U	0.16 U	0.19 U	0.055 U
Aroclor 1248	SW8082A	0.070 U	0.074 U	0.098 U	0.16 U	0.19 U	0.055 U
Aroclor 1254	SW8082A	1.31 J	0.905 J	3.23 J	0.942 J	2.84 J	0.055 U
Aroclor 1260	SW8082A	3.09 J	5.39 J	7.47 J	2.69 J	3.65 J	0.055 U
Total PCB Aroclors (U = 0 max limit)		4.40 J	6.30 J	10.7 J	3.63 J	6.49 J	0.049 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-G-4-5-221018-1.5-02 10/18/2022 1.5 - 2 ft	SE-WP-G-5-221018-0.5-01 10/18/2022 0.5 - 1 ft	SE-WP-G-5-221018-00-0.5 10/18/2022 0 - 0.5 ft	SE-WP-G-5-221018-01-1.5 10/18/2022 1 - 1.5 ft	SE-WP-G-5-221018-1.5-1.95 10/18/2022 1.5 - 1.95 ft	SE-WP-G-5-BD0001 10/18/2022 0 - 0.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	22.1 J	4.42 J	2.06 J	5.02 J	0.172 J	2.47 J
Total solids	SM2540G	17.3	52	54.3	45.1	79.6	56.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.19 U	0.064 U	0.056 U	0.073 U	0.042 U	0.058 U
Aroclor 1221	SW8082A	0.19 U	0.064 U	0.056 U	0.073 U	0.042 U	0.058 U
Aroclor 1232	SW8082A	0.19 U	0.064 U	0.056 U	0.073 U	0.042 U	0.058 U
Aroclor 1242	SW8082A	0.19 U	0.064 U	0.056 U	0.073 U	0.042 U	0.058 U
Aroclor 1248	SW8082A	0.19 U	0.064 U	0.056 U	0.073 U	0.042 U	0.058 U
Aroclor 1254	SW8082A	0.19 U	0.064 U	0.414	2.39	0.042 U	0.591
Aroclor 1260	SW8082A	0.19 U	0.064 U	1.28	3.83	0.042 U	1.77
Total PCB Aroclors (U = 0 max limit)		0.17 U	0.057 U	1.69	6.22	0.037 U	2.36

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-G-H-17-18-221017-0.5-01 10/17/2022 0.5 - 1 ft	SE-WP-G-H-17-18-221017-00-0.5 10/17/2022 0 - 0.5 ft	SE-WP-G-H-17-18-221017-01-1.5 10/17/2022 1 - 1.5 ft	SE-WP-G-H-17-18-221017-02-2.5 10/17/2022 2 - 2.5 ft	SE-WP-G-H-17-18-221017-1.5-02 10/17/2022 1.5 - 2 ft	SE-WP-G-H-2-3-221013-0.5-01 10/13/2022 0.5 - 1 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	4.25 J	7.22 J	2.62 J	0.21 J	1.72 J	1.32 J
Total solids	SM2540G	38.7	23.6	51.8	72.2	58.1	59.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.080 U	0.13 U	0.060 U	0.044 U	0.056 U	0.055 U
Aroclor 1221	SW8082A	0.080 U	0.13 U	0.060 U	0.044 U	0.056 U	0.055 U
Aroclor 1232	SW8082A	0.080 U	0.13 U	0.060 U	0.044 U	0.056 U	0.055 U
Aroclor 1242	SW8082A	0.080 U	0.13 U	0.060 U	0.044 U	0.056 U	0.055 U
Aroclor 1248	SW8082A	0.080 U	0.13 U	0.060 U	0.044 U	0.056 U	0.055 U
Aroclor 1254	SW8082A	0.68	0.881	0.265	0.044 U	0.98	0.291
Aroclor 1260	SW8082A	1.75	2.86	0.834	0.044 U	1.36	1.19 J
Total PCB Aroclors (U = 0 max limit)		2.4	3.74	1.1	0.039 U	2.3	1.48 J

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-G-H-2-3-221013-00-0.5 10/13/2022 0 - 0.5 ft	SE-WP-G-H-2-3-221013-01-1.5 10/13/2022 1 - 1.5 ft	SE-WP-G-H-2-3-221013-1.5-02 10/13/2022 1.5 - 2 ft	SE-WP-G-H-3-4-221018-0.5-01 10/18/2022 0.5 - 1 ft	SE-WP-G-H-3-4-221018-00-0.5 10/18/2022 0 - 0.5 ft	SE-WP-G-H-3-4-221018-01-1.5 10/18/2022 1 - 1.5 ft
Conventional Parameters (percent)							
Total organic carbon	Lloyd Kahn	5.24 J	1.4 J	0.17 J	5.92 J	4.83 J	7.41 J
Total solids	SM2540G	43.1	71.9	74.7	38.3	38	40.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	0.076 U	0.043 U	0.042 U	0.087 U	0.087 U	0.082 U
Aroclor 1221	SW8082A	0.076 U	0.043 U	0.042 U	0.087 U	0.087 U	0.082 U
Aroclor 1232	SW8082A	0.076 U	0.043 U	0.042 U	0.087 U	0.087 U	0.082 U
Aroclor 1242	SW8082A	0.076 U	0.043 U	0.042 U	0.087 U	0.087 U	0.082 U
Aroclor 1248	SW8082A	0.076 U	0.043 U	0.042 U	0.087 U	0.087 U	0.082 U
Aroclor 1254	SW8082A	0.336	0.283	0.0635 J	2.32	1.65	0.175
Aroclor 1260	SW8082A	1.46	0.32 J	0.119 J	2.48	3.88	0.128
Total PCB Aroclors (U = 0 max limit)		1.8	0.60 J	0.183 J	4.8	5.53	0.303

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-WP-G-H-3-4-221018-1.5-1.65 10/18/2022 1.5 - 1.65 ft
Conventional Parameters (percent)		
Total organic carbon	Lloyd Kahn	0.15 J
Total solids	SM2540G	80.7
PCB Aroclors (mg/kg)		
Aroclor 1016	SW8082A	0.037 U
Aroclor 1221	SW8082A	0.037 U
Aroclor 1232	SW8082A	0.037 U
Aroclor 1242	SW8082A	0.037 U
Aroclor 1248	SW8082A	0.037 U
Aroclor 1254	SW8082A	0.037 U
Aroclor 1260	SW8082A	0.037 U
Total PCB Aroclors (U = 0 max limit)		0.033 U

Table E-6
Summary of 2022 PDI Other Waterbody Sediment Sampling Results

Notes:

Bold: Detected result

ft: foot

J: Estimated value

mg/kg: milligram per kilogram

PCB: polychlorinated biphenyl

U: Compound analyzed for, but not detected above detection limit

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-000-00-E 0.5–1 ft		SE-000-00-W-R 0–0.5 ft		SE-007-71-W 0.5–1 ft		SE-012-76-E 1–1.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-000-00-E-220830-0.5-01	H3-SE001783-0-0005	SE-000-00-W-R-230419-00-0.5	H3-SE001873-0-0000	SE-007-71-W-220831-0.5-01	H3-SE001784-0-0005	SE-012-76-E-220901-01-1.5	H3-SE001785-0-0010
PCB Aroclors (mg/kg)								
Aroclor 1016	0.038 U	0.042 U	0.025 U	0.026 U	0.042 U	0.045 U	0.041 U	0.036 U
Aroclor 1221	0.038 U	0.042 U	0.025 U	0.026 U	0.042 U	0.045 U	0.041 U	0.036 U
Aroclor 1232	0.038 U	0.042 U	0.025 U	0.026 U	0.042 U	0.045 U	0.041 U	0.036 U
Aroclor 1242	0.038 U	0.042 U	0.025 U	0.026 U	0.042 U	0.045 U	0.041 U	0.036 U
Aroclor 1248	0.038 U	0.042 U	0.025 U	0.026 U	0.042 U	0.045 U	0.041 U	0.036 U
Aroclor 1254	3.48 J	0.88	0.0441	0.026 U	0.042 U	0.045 U	0.437	0.036 U
Aroclor 1260	3.29 J	0.67	0.0427	3.7	0.0246 J	0.045 U	0.829	3
Aroclor 1262	--	0.042 U	--	--	--	0.045 U	--	0.036 U
Aroclor 1268	--	0.042 U	--	--	--	0.045 U	--	0.036 U
Total PCBs	6.77 J	1.55	0.0868	3.7	0.0246 J	0.045 U	1.27	3

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-015-43-C 0.5–1 ft		SE-022-98-E 0–0.5 ft		SE-025-59-C 0–0.5 ft		SE-025-59-C-R 1–1.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-015-43-C-220901-0.5-01	H3-SE001786-0-0005	SE-022-98-E-220907-00-0.5	H3-SE001790-0-0000	SE-025-59-C-220909-00-0.5	H3-SE001791-0-0000	SE-025-59-C-R-230420-01-1.5	H3-SE001874-0-0010
PCB Aroclors (mg/kg)								
Aroclor 1016	0.036 U	0.037 U	0.035 U	0.04 U	0.039 U	0.037 U	0.027 U	0.00052 U
Aroclor 1221	0.036 U	0.037 U	0.035 U	0.04 U	0.039 U	0.037 U	0.027 U	0.00052 U
Aroclor 1232	0.036 U	0.037 U	0.035 U	0.04 U	0.039 U	0.037 U	0.027 U	0.00052 U
Aroclor 1242	0.036 U	0.037 U	0.035 U	0.04 U	0.039 U	0.037 U	0.027 U	0.00052 U
Aroclor 1248	0.036 U	0.037 U	0.035 U	0.04 U	0.039 U	0.037 U	0.027 U	0.00052 U
Aroclor 1254	1.05	0.037 U	0.29	0.04 U	0.039 U	0.037 U	0.027 U	0.00052 U
Aroclor 1260	2.96	1.1	0.933	1.4	0.64 J	0.42	0.0109 J	0.027
Aroclor 1262	--	0.037 U	--	0.04 U	--	0.037 U	--	--
Aroclor 1268	--	0.037 U	--	0.04 U	--	0.037 U	--	--
Total PCBs	4.01	1.1	1.2	1.4	0.64 J	0.42	0.0109 J	0.027

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-030-61-C 1.5–2 ft		SE-033-10-E 0.5–1 ft		SE-038-10-E 0.5–1 ft		SE-040-65-E 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-030-61-C-220909-1.5-02	H3-SE001792-0-0015	SE-033-10-E-220912-0.5-01	H3-SE001793-0-0005	SE-038-10-E-220914-0.5-01	H3-SE001794-0-0005	SE-040-65-E-220915-0.5-01	H3-SE001796-0-0005
PCB Aroclors (mg/kg)								
Aroclor 1016	0.052 U	0.048 U	0.039 U	0.041 U	0.037 U	0.039 U	0.04 U	0.039 U
Aroclor 1221	0.052 U	0.048 U	0.039 U	0.041 U	0.037 U	0.039 U	0.04 U	0.039 U
Aroclor 1232	0.052 U	0.048 U	0.039 U	0.041 U	0.037 U	0.039 U	0.04 U	0.039 U
Aroclor 1242	0.052 U	0.048 U	0.039 U	0.041 U	0.037 U	0.039 U	0.04 U	0.039 U
Aroclor 1248	0.052 U	0.048 U	0.039 U	0.041 U	0.037 U	0.039 U	0.04 U	0.039 U
Aroclor 1254	0.052 U	0.048 U	0.039 U	0.041 U	0.417	0.039 U	0.205 J	0.039 U
Aroclor 1260	0.0264 J	0.0053 J	2.25	0.53	0.753	0.38	1.23	1.4
Aroclor 1262	--	0.048 U	--	0.041 U	--	0.039 U	--	0.039 U
Aroclor 1268	--	0.048 U	--	0.041 U	--	0.039 U	--	0.039 U
Total PCBs	0.0264 J	0.0053 J	2.25	0.53	1.17	0.38	1.44 J	1.4

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-043-16-E-R 0–0.5 ft		SE-045-68-C 1–1.5 ft		SE-048-18-E 0–0.5 ft		SE-058-17-W 0–0.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-043-16-E-R-230420-00-0.5	H3-SE001875-0-0000	SE-045-68-C-220915-01-1.5	H3-SE001797-0-0010	SE-048-18-E-220916-00-0.5	H3-SE001798-0-0000	SE-058-17-W-220916-00-0.5	H3-SE001799-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.025 U	0.025 U	0.043 U	0.039 U	0.046 U	0.04 U	0.045 U	0.041 U
Aroclor 1221	0.025 U	0.025 U	0.043 U	0.039 U	0.046 U	0.04 U	0.045 U	0.041 U
Aroclor 1232	0.025 U	0.025 U	0.043 U	0.039 U	0.046 U	0.04 U	0.045 U	0.041 U
Aroclor 1242	0.025 U	0.025 U	0.043 U	0.039 U	0.046 U	0.04 U	0.045 U	0.041 U
Aroclor 1248	0.025 U	0.025 U	0.043 U	0.039 U	0.046 U	0.04 U	0.045 U	0.041 U
Aroclor 1254	0.025 U	0.025 U	0.043 U	0.039 U	0.0964	0.04 U	0.23	0.041 U
Aroclor 1260	1.5	1.8	0.043 U	0.011 J	0.348	0.77	1.02	0.48
Aroclor 1262	--	--	--	0.039 U	--	0.04 U	--	0.041 U
Aroclor 1268	--	--	--	0.039 U	--	0.04 U	--	0.041 U
Total PCBs	1.5	1.8	0.038 U	0.011 J	0.444	0.77	1.3	0.48

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-060-66-W 0–0.5 ft		SE-065-69-E 0.5–1 ft		SE-068-20-W-R 1.5–1.8 ft		SE-073-21-E 1.5–1.8 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-060-66-W-220919-00-0.5	H3-SE001800-0-0000	SE-065-69-E-220920-0.5-01	H3-SE001801-0-0005	SE-068-20-W-R-230421-1.5-1.8	H3-SE001876-0-0015	SE-073-21-E-220920-1.5-1.8	H3-SE001802-0-0015
PCB Aroclors (mg/kg)								
Aroclor 1016	0.037 U	0.04 U	0.049 U	0.041 U	0.027 U	0.027 U	0.041 U	0.038 U
Aroclor 1221	0.037 U	0.04 U	0.049 U	0.041 U	0.027 U	0.027 U	0.041 U	0.038 U
Aroclor 1232	0.037 U	0.04 U	0.049 U	0.041 U	0.027 U	0.027 U	0.041 U	0.038 U
Aroclor 1242	0.037 U	0.04 U	0.049 U	0.041 U	0.027 U	0.027 U	0.041 U	0.038 U
Aroclor 1248	0.037 U	0.04 U	0.049 U	0.041 U	0.027 U	0.027 U	0.041 U	0.038 U
Aroclor 1254	1.14	0.04 U	0.2	0.063	5.36	0.027 U	0.041 U	0.038 U
Aroclor 1260	5.75	1.2	0.104	0.068	4.88	3.2 J	0.041 U	0.038 U
Aroclor 1262	--	0.04 U	--	0.041 U	--	--	--	0.038 U
Aroclor 1268	--	0.04 U	--	0.041 U	--	--	--	0.038 U
Total PCBs	6.89	1.2	0.3	0.131	10.2	3.2 J	0.037 U	0.038 U

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-078-22-C 1–1.5 ft		SE-078-22-E-R 2–2.5 ft		SE-083-54-W 1–1.5 ft		SE-088-70-C 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-078-22-C-220921-01-1.5	H3-SE001803-0-0010	SE-078-22-E-R-230421-02-2.5	H3-SE001877-0-0020	SE-083-54-W-220921-01-1.5	H3-SE001804-0-0010	SE-088-70-C-220929-0.5-01	H3-SE001811-0-0005
PCB Aroclors (mg/kg)								
Aroclor 1016	0.036 U	0.036 U	0.025 U	0.27 U	0.051 U	0.049 U	0.036 U	0.0045 U
Aroclor 1221	0.036 U	0.036 U	0.025 U	0.27 U	0.051 U	0.049 U	0.036 U	0.0045 U
Aroclor 1232	0.036 U	0.036 U	0.025 U	0.27 U	0.051 U	0.049 U	0.036 U	0.0045 U
Aroclor 1242	0.036 U	0.036 U	0.025 U	0.27 U	0.051 U	0.049 U	0.036 U	0.0045 U
Aroclor 1248	0.036 U	0.036 U	0.025 U	0.27 U	0.051 U	0.049 U	0.036 U	0.0045 U
Aroclor 1254	1.15	0.036 U	0.025 U	0.27 U	0.051 U	0.049 U	0.0452	0.0045 U
Aroclor 1260	8.99	1	63.6	11	0.051 U	0.0072 J	0.141	0.22
Aroclor 1262	--	0.036 U	--	--	--	0.049 U	--	--
Aroclor 1268	--	0.036 U	--	--	--	0.049 U	--	--
Total PCBs	10.1	1	63.6	11	0.045 U	0.0072 J	0.186	0.22

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-093-75-W 0.5–1 ft		SE-096-27-C 1.5–1.67 ft		SE-099-02-W 1.5–1.94 ft		SE-106-72-C 1.5–1.8 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-093-75-W-220929-0.5-01	H3-SE001812-0-0005	SE-096-27-C-221003-1.5-1.67	H3-SE001815-0-0015	SE-099-02-W-220927-1.5-1.94	H3-SE001807-0-0015	SE-106-72-C-221003-1.5-1.8	H3-SE001816-0-0015
PCB Aroclors (mg/kg)								
Aroclor 1016	0.047 U	0.0054 U	0.034 U	0.00048 U	0.037 U	0.04 U	0.04 U	0.00051 U
Aroclor 1221	0.047 U	0.0054 U	0.034 U	0.00048 U	0.037 U	0.04 U	0.04 U	0.00051 U
Aroclor 1232	0.047 U	0.0054 U	0.034 U	0.00048 U	0.037 U	0.04 U	0.04 U	0.00051 U
Aroclor 1242	0.047 U	0.0054 U	0.034 U	0.00048 U	0.037 U	0.04 U	0.04 U	0.00051 U
Aroclor 1248	0.047 U	0.0054 U	0.034 U	0.00048 U	0.037 U	0.04 U	0.04 U	0.00051 U
Aroclor 1254	0.303	0.0054 U	0.38	0.00048 U	0.446	0.04 U	0.04 U	0.00051 U
Aroclor 1260	1.12	0.71	1.37	0.096	3.05	1.3	0.04 U	0.00034 J
Aroclor 1262	--	--	--	--	--	0.04 U	--	--
Aroclor 1268	--	--	--	--	--	0.04 U	--	--
Total PCBs	1.42	0.71	1.8	0.096	3.5	1.3	0.04 U	0.00034 J

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-109-32-C 1.5–1.62 ft		SE-111-89-W 1.5–2 ft		SE-114-39-C-R 2–2.5 ft		SE-114-39-W 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-109-32-C-221003-1.5-1.62	H3-SE001817-0-0015	SE-111-89-W-221004-1.5-02	H3-SE001818-0-0015	SE-114-39-C-R-230424-02-2.5	H3-SE001878-0-0020	SE-114-39-W-221004-0.5-01	H3-SE001819-0-0005
PCB Aroclors (mg/kg)								
Aroclor 1016	0.039 U	0.00048 U	0.039 U	0.0099 U	0.033 U	0.0051 U	0.043 U	0.76 U
Aroclor 1221	0.039 U	0.00048 U	0.039 U	0.0099 U	0.033 U	0.0051 U	0.043 U	0.76 U
Aroclor 1232	0.039 U	0.00048 U	0.039 U	0.0099 U	0.033 U	0.0051 U	0.043 U	0.76 U
Aroclor 1242	0.039 U	0.00048 U	0.039 U	0.0099 U	0.033 U	0.0051 U	0.043 U	0.76 U
Aroclor 1248	0.039 U	0.00048 U	0.039 U	0.0099 U	0.033 U	0.0051 U	0.043 U	0.76 U
Aroclor 1254	0.039 U	0.00048 U	0.246	0.0099 U	0.033 U	0.0051 U	1.94	0.76 U
Aroclor 1260	0.0189 J	0.0058	0.917	1.3	1.84	0.65	4	4.7
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.0189 J	0.0058	1.16	1.3	1.84	0.65	5.9	4.7

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-119-36-C 0.5–1 ft		SE-124-36-W 1–1.33 ft		SE-126-88-C4 0.5–1 ft		SE-129-41-C 1.5–1.92 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-119-36-C-221006-0.5-01	H3-SE001820-0-0005	SE-124-36-W-221006-01-1.33	H3-SE001821-0-0010	SE-126-88-C4-221007-0.5-01	H3-SE001822-0-0015	SE-129-41-C-221007-1.5-1.92	H3-SE001823-0-0020
PCB Aroclors (mg/kg)								
Aroclor 1016	0.044 U	0.0097 U	0.04 U	0.0091 U	0.051 U	0.0091 U	0.038 UJ	0.034 U
Aroclor 1221	0.044 U	0.0097 U	0.04 U	0.0091 U	0.051 U	0.0091 U	0.038 UJ	0.034 U
Aroclor 1232	0.044 U	0.0097 U	0.04 U	0.0091 U	0.051 U	0.0091 U	0.038 UJ	0.034 U
Aroclor 1242	0.044 U	0.0097 U	0.04 U	0.0091 U	0.051 U	0.0091 U	0.038 UJ	0.034 U
Aroclor 1248	0.044 U	0.0097 U	0.04 U	0.0091 U	0.051 U	0.0091 U	0.038 UJ	0.034 U
Aroclor 1254	0.822	0.0097 U	0.0803	0.0091 U	1.53	0.0091 U	0.059 J	0.034 U
Aroclor 1260	7.29	0.57	0.255	0.44	6.89	0.74	0.038 UJ	1.8
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	8.11	0.57	0.335	0.44	8.42	0.74	0.059 J	1.8

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-134-45-E-R 2.5–3 ft		SE-139-45-W 1–1.5 ft		SE-142-07-C 0–0.5 ft		SE-144-57-E 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-134-45-E-R-230424-2.5-03	H3-SE001879-0-0025	SE-139-45-W-221021-01-1.5	H3-SE001841-0-0010	SE-142-07-C-221021-00-0.5	H3-SE001842-0-0000	SE-144-57-E-221026-0.5-01	H3-SE001846-0-0005
PCB Aroclors (mg/kg)								
Aroclor 1016	0.02 U	0.00047 U	0.036 U	0.0048 U	0.039 U	0.0095 U	0.041 U	0.079 U
Aroclor 1221	0.02 U	0.00047 U	0.036 U	0.0048 U	0.039 U	0.0095 U	0.041 U	0.079 U
Aroclor 1232	0.02 U	0.00047 U	0.036 U	0.0048 U	0.039 U	0.0095 U	0.041 U	0.079 U
Aroclor 1242	0.0469	0.00047 U	0.036 U	0.0048 U	0.039 U	0.0095 U	0.041 U	0.079 U
Aroclor 1248	0.02 U	0.00047 U	0.036 U	0.0048 U	0.039 U	0.0095 U	0.041 U	0.079 U
Aroclor 1254	0.02 U	0.00047 U	0.292	0.0048 U	0.582	0.0095 U	0.379	0.079 U
Aroclor 1260	0.02 U	0.00061	1.21	0.38 J	1.83	1.1	1.4	4.8
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.0469	0.00061	1.5	0.38 J	2.41	1.1	1.8	4.8

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-147-09-W 1–1.5 ft		SE-149-52-E 0–0.5 ft		SE-149-52-W-R 0–0.5 ft		SE-152-01-W 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-147-09-W-221026-01-1.5	H3-SE001847-0-0010	SE-149-52-E-221109-00-0.5	H3-SE001860-0-0000	SE-149-52-W-R-230424-00-0.5	H3-SE001880-0-0000	SE-152-01-W-221110-0.5-01	H3-SE001861-0-0005
PCB Aroclors (mg/kg)								
Aroclor 1016	0.045 U	0.00082 U	0.04 U	0.0052 U	0.028 U	0.03 U	0.036 U	0.00046 U
Aroclor 1221	0.045 U	0.00082 U	0.04 U	0.0052 U	0.028 U	0.03 U	0.036 U	0.00046 U
Aroclor 1232	0.045 U	0.00082 U	0.04 U	0.0052 U	0.028 U	0.03 U	0.036 U	0.00046 U
Aroclor 1242	0.045 U	0.00082 U	0.04 U	0.0052 U	0.028 U	0.03 U	0.036 U	0.00046 U
Aroclor 1248	0.045 U	0.00082 U	0.04 U	0.0052 U	0.028 U	0.03 U	0.036 U	0.015
Aroclor 1254	0.045 U	0.00082 U	0.513	0.0052 U	0.028 U	0.03 U	0.084 J	0.00046 U
Aroclor 1260	0.045 U	0.0055 J	2.17	0.57	3.09	2.2	0.609 J	0.019
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.04 U	0.0055 J	2.68	0.57	3.09	2.2	0.693 J	0.034

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-154-51-W 1.5–2 ft		SE-164-59-C 0.5–1 ft		SE-167-11-W 1–1.43 ft		SE-169-65-W 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-154-51-W-221110-1.5-02	H3-SE001862-0-0015	SE-164-59-C-221111-0.5-01	H3-SE001863-0-0005	SE-167-11-W-221115-01-1.43	H3-SE001864-0-0010	SE-169-65-W-221115-0.5-01	H3-SE001865-0-0005
PCB Aroclors (mg/kg)								
Aroclor 1016	0.044 U	0.29 U	0.038 U	0.49 U	0.035 U	0.00051 U	0.041 U	0.23 UJ
Aroclor 1221	0.044 U	0.29 U	0.038 U	0.49 U	0.035 U	0.00051 U	0.041 U	0.23 U
Aroclor 1232	0.044 U	0.29 U	0.038 U	0.49 U	0.035 U	0.00051 U	0.041 U	0.23 U
Aroclor 1242	0.044 U	0.29 U	0.038 U	0.49 U	0.035 U	0.00051 U	0.041 U	0.23 U
Aroclor 1248	0.044 U	0.29 U	0.038 U	0.49 U	0.035 U	0.00051 U	0.041 U	0.23 U
Aroclor 1254	1.21 J	0.29 U	2.44 J	0.49 U	0.035 U	0.00051 U	0.484	0.23 U
Aroclor 1260	6.76 J	0.27 J	11 J	19	0.035 U	0.0042	2.89	6.2
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	7.97 J	0.27 J	13 J	19	0.032 U	0.0042	3.37	6.2

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-177-31-C 0–0.5 ft		SE-179-81-C 1–1.5 ft		SE-182-31-E 0.5–1 ft		SE-215-39-C 1–1.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-177-31-C-221117-00-0.5	H3-SE001866-0-0000	SE-179-81-C-221118-01-1.5	H3-SE001867-0-0010	SE-182-31-E-221118-0.5-01	H3-SE001868-0-0005	SE-215-39-C-230515-01-1.5	H3-SE001881-0-0010
PCB Aroclors (mg/kg)								
Aroclor 1016	0.037 U	0.026 U	0.032 U	0.26 U	0.04 U	0.27 U	0.023 U	0.00047 U
Aroclor 1221	0.037 U	0.026 U	0.032 U	0.26 U	0.04 U	0.27 U	0.023 U	0.00047 U
Aroclor 1232	0.037 U	0.026 U	0.032 U	0.26 U	0.04 U	0.27 U	0.023 U	0.00047 U
Aroclor 1242	0.037 U	0.026 U	0.032 U	0.26 U	0.04 U	0.27 U	0.023 U	0.00047 U
Aroclor 1248	0.037 U	0.026 U	0.032 U	0.26 U	0.04 U	0.27 U	0.023 U	0.00047 U
Aroclor 1254	0.346 J	0.026 U	2.89 J	0.26 U	0.246 J	0.27 U	0.023 U	0.00047 U
Aroclor 1260	2.3	2.5	18	2.4	1.03 J	17	0.0061 J	0.0038 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	2.6 J	2.5	21 J	2.4	1.28 J	17	0.0061 J	0.0038 J

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-215-39-E 1.5–2 ft		SE-217-93-E 1.5–1.99 ft		SE-235-82-E 0.5–1 ft		SE-238-37-W 2–2.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-215-39-E-230515-1.5-02	H3-SE001882-0-0015	SE-217-93-E-230515-1.5-1.99	H3-SE001883-0-0015	SE-235-82-E-230518-0.5-01	H3-SE001890-0-0005	SE-238-37-W-230518-02-2.5	H3-SE001891-0-0020
PCB Aroclors (mg/kg)								
Aroclor 1016	0.023 U	0.00051 U	0.026 U	0.053 U	0.025 U	0.025 U	0.027 U	0.028 U
Aroclor 1221	0.023 U	0.00051 U	0.026 U	0.053 U	0.025 U	0.025 U	0.027 U	0.028 U
Aroclor 1232	0.023 U	0.00051 U	0.026 U	0.053 U	0.025 U	0.025 U	0.027 U	0.028 U
Aroclor 1242	0.023 U	0.00051 U	0.026 U	0.053 U	0.025 U	0.025 U	0.027 U	0.028 U
Aroclor 1248	0.023 U	0.00051 U	0.026 U	0.053 U	0.025 U	0.025 U	0.027 U	0.028 U
Aroclor 1254	0.023 U	0.00051 U	0.026 U	0.053 U	0.025 U	0.025 U	0.027 U	0.028 U
Aroclor 1260	0.122	0.012	3.8	15 J	3.97	2.5	8.77	3.4
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.122	0.012	3.8	15 J	3.97	2.5	8.77	3.4

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-240-80-E 1–1.5 ft		SE-BW5A-1-D-5 0–1 ft		SE-BW5A-1-D-E-2-3 0–1 ft		SE-BW5A-1-F-12 0–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-240-80-E-230518-01-1.5	H3-SE001892-0-0010	SE-BW5A-1-D-5-220927-00-01	H3-SE001808-0-0000	SE-BW5A-1-D-E-2-3-220928-00-01	H3-SE001809-0-0000	SE-BW5A-1-F-12-220928-00-01	H3-SE001810-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.024 U	0.00051 U	0.062 U	0.067 U	0.1 U	0.1 U	0.047 U	0.048 U
Aroclor 1221	0.024 U	0.00051 U	0.062 U	0.067 U	0.1 U	0.1 U	0.047 U	0.048 U
Aroclor 1232	0.024 U	0.00051 U	0.062 U	0.067 U	0.1 U	0.1 U	0.047 U	0.048 U
Aroclor 1242	0.024 U	0.00051 U	0.062 U	0.067 U	0.1 U	0.1 U	0.047 U	0.048 U
Aroclor 1248	0.024 U	0.00051 U	0.062 U	0.067 U	0.1 U	0.1 U	0.047 U	0.048 U
Aroclor 1254	0.024 U	0.00051 U	3.43	0.067 U	1.19	0.1 U	0.784	0.048 U
Aroclor 1260	0.024 U	0.0022	10.9	0.8	2.46	0.28	4.79	2
Aroclor 1262	--	--	--	0.067 U	--	0.1 U	--	0.048 U
Aroclor 1268	--	--	--	0.067 U	--	0.1 U	--	0.048 U
Total PCBs	0.02 U	0.0022	14.3	0.8	3.65	0.28	5.57	2

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-BW5A-1-F-8 0–1 ft		SE-BW5A-1-F-G-11-12 0–1 ft		SE-BW5A-2-A-B-5 2.5–3 ft		SE-BW5A-2-B-2 2–2.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-BW5A-1-F-8-220926-00-01	H3-SE001806-0-0000	E-BW5A-1-F-G-11-12-220923-00-0	H3-SE001805-0-0000	SE-BW5A-2-A-B-5-221010-2.5-03	H3-SE001824-0-0025	SE-BW5A-2-B-2-221010-02-2.5	H3-SE001825-0-0020
PCB Aroclors (mg/kg)								
Aroclor 1016	0.076 U	0.087 U	0.059 U	0.061 U	0.044 U	0.27 U	0.065 U	0.73 U
Aroclor 1221	0.076 U	0.087 U	0.059 U	0.061 U	0.044 U	0.27 U	0.065 U	0.73 U
Aroclor 1232	0.076 U	0.087 U	0.059 U	0.061 U	0.044 U	0.27 U	0.065 U	0.73 U
Aroclor 1242	0.076 U	0.087 U	0.059 U	0.061 U	0.044 U	0.27 U	0.065 U	0.73 U
Aroclor 1248	0.076 U	0.087 U	0.059 U	0.061 U	0.044 U	0.27 U	0.065 U	0.73 U
Aroclor 1254	3.37	0.087 U	1.9	0.061 U	1.85	0.27 U	18.7 J	0.73 U
Aroclor 1260	6.74	0.36	4.96	0.64	7.77	5.8	71.9	20
Aroclor 1262	--	0.087 U	--	0.061 U	--	--	--	--
Aroclor 1268	--	0.087 U	--	0.061 U	--	--	--	--
Total PCBs	10.1	0.36	6.9	0.64	9.62	5.8	90.6 J	20

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-BW5A-2-C-D-1 0–1 ft		SE-BW5A-3-A-B-4-5 2–2.5 ft		SE-BW5A-3-B-1-2 3–3.5 ft		SE-BW5A-3-B-7 2–2.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-BW5A-2-C-D-1-221011-00-01	H3-SE001826-0-0000	SE-BW5A-3-A-B-4-5-221012-02-2.5	H3-SE001829-0-0020	SE-BW5A-3-B-1-2-221012-03-3.5	H3-SE001830-0-0030	SE-BW5A-3-B-7-221012-02-2.5	H3-SE001828-0-0020
PCB Aroclors (mg/kg)								
Aroclor 1016	0.055 U	0.035 U	0.036 U	0.00059 U	0.047 U	0.029 U	0.047 U	0.63 U
Aroclor 1221	0.055 U	0.035 U	0.036 U	0.00059 U	0.047 U	0.029 U	0.047 U	0.63 U
Aroclor 1232	0.055 U	0.035 U	0.036 U	0.00059 U	0.047 U	0.029 U	0.047 U	0.63 U
Aroclor 1242	0.055 U	0.035 U	0.036 U	0.00059 U	0.047 U	0.029 U	0.047 U	0.63 U
Aroclor 1248	0.055 U	0.035 U	0.036 U	0.00059 U	0.047 U	0.029 U	0.047 U	0.63 U
Aroclor 1254	1.56	0.035 U	0.0624 J	0.00059 U	1.05	0.029 U	4.77 J	0.63 U
Aroclor 1260	5.36	1.1	0.866	0.12	7.71	3.2	41.3	11
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	6.92	1.1	0.928 J	0.12	8.76	3.2	46.1 J	11

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-BW5A-4-A-B-2-3 2–2.5 ft		SE-BW5A-5-A-B-3-4 3–3.5 ft		SE-BW5A-5-B-2 4–4.5 ft		SE-BW5A-5-B-C-19-20 0–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-BW5A-4-A-B-2-3-221011-02-2.5	H3-SE001827-0-0020	SE-BW5A-5-A-B-3-4-221025-03-3.5	H3-SE001844-0-0030	SE-BW5A-5-B-2-221024-04-4.5	H3-SE001843-0-0040	E-BW5A-5-B-C-19-20-221107-00-0	H3-SE001858-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.038 U	0.00074 U	0.059 U	0.5 U	0.042 U	0.083 U	0.075 U	0.00084 U
Aroclor 1221	0.038 U	0.00074 U	0.059 U	0.5 U	0.042 U	0.083 U	0.075 U	0.00084 U
Aroclor 1232	0.038 U	0.00074 U	0.059 U	0.5 U	0.042 U	0.083 U	0.075 U	0.00084 U
Aroclor 1242	0.038 U	0.00074 U	0.059 U	0.5 U	0.042 U	0.083 U	0.075 U	0.00084 U
Aroclor 1248	0.038 U	0.00074 U	0.059 U	0.5 U	0.042 U	0.083 U	0.075 U	0.00084 U
Aroclor 1254	0.038 U	0.00074 U	11	0.5 U	5.19 J	0.083 U	0.466	0.00084 U
Aroclor 1260	0.038 U	0.0031	19.7	6.9	42.2 J	5.9	1.25	0.0017 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.034 U	0.0031	31	6.9	47.4 J	5.9	1.72	0.0017 J

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-BW5A-5-B-C-5-6 1–1.5 ft		SE-BW5A-5-C-D-19-20 0–1 ft		SE-BW5A-5-C-D-8-9 2.5–3 ft		SE-BW5A-5-D-11-12 4.5–5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-BW5A-5-B-C-5-6-221025-01-1.5	H3-SE001845-0-0010	E-BW5A-5-C-D-19-20-221104-00-0	H3-SE001857-0-0000	SE-BW5A-5-C-D-8-9-221028-2.5-03	H3-SE001848-0-0025	SE-BW5A-5-D-11-12-221031-4.5-05	H3-SE001850-0-0045
PCB Aroclors (mg/kg)								
Aroclor 1016	0.055 U	0.0023 U	0.072 U	0.00099 U	0.063 U	0.0017 U	0.081 U	0.0011 U
Aroclor 1221	0.055 U	0.0023 U	0.072 U	0.00099 U	0.063 U	0.0017 U	0.081 U	0.0011 U
Aroclor 1232	0.055 U	0.0023 U	0.072 U	0.00099 U	0.063 U	0.0017 U	0.081 U	0.0011 U
Aroclor 1242	0.055 U	0.0023 U	0.072 U	0.00099 U	0.063 U	0.0017 U	0.081 U	0.0011 U
Aroclor 1248	0.055 U	0.0023 U	0.072 U	0.00099 U	0.063 U	0.0017 U	0.081 U	0.0011 U
Aroclor 1254	0.0983	0.0023 U	2.24 J	0.00099 U	0.063 U	0.0017 U	0.081 U	0.0011 U
Aroclor 1260	0.494	0.057	2.66 J	0.035 J	0.063 U	0.0017 U	0.081 U	0.001 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.592	0.057	4.9 J	0.035 J	0.056 U	0.0017 U	0.073 U	0.001 J

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-BW5A-5-D-17-18 4–4.5 ft		SE-BW5A-5-D-E-10-11 1–1.5 ft		SE-BW5A-5-D-E-13-14 4.5–5 ft		SE-BW5A-5-D-E-15-16 2.5–3 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-BW5A-5-D-17-18-221104-04-4.5	H3-SE001856-0-0040	E-BW5A-5-D-E-10-11-221028-01-1	H3-SE001849-0-0010	E-BW5A-5-D-E-13-14-221101-4.5-0	H3-SE001852-0-0045	E-BW5A-5-D-E-15-16-221102-2.5-0	H3-SE001854-0-0025
PCB Aroclors (mg/kg)								
Aroclor 1016	0.066 U	0.00086 U	0.042 U	0.012 U	0.068 U	0.0011 U	0.13 U	0.0019 U
Aroclor 1221	0.066 U	0.00086 U	0.042 U	0.012 U	0.068 U	0.0011 U	0.13 U	0.0019 U
Aroclor 1232	0.066 U	0.00086 U	0.042 U	0.012 U	0.068 U	0.0011 U	0.13 U	0.0019 U
Aroclor 1242	0.066 U	0.00086 U	0.042 U	0.012 U	0.068 U	0.0011 U	0.13 U	0.0019 U
Aroclor 1248	0.066 U	0.00086 U	0.042 U	0.012 U	0.068 U	0.0011 U	0.13 U	0.0019 U
Aroclor 1254	0.066 U	0.00086 U	0.0374 J	0.012 U	0.068 U	0.0011 U	0.13 U	0.0019 U
Aroclor 1260	0.066 U	0.00088 J	0.0679	0.36	0.0496 J	0.0025	0.118 J	0.0031
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.059 U	0.00088 J	0.105 J	0.36	0.0496 J	0.0025	0.118 J	0.0031

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-BW5A-5-D-E-17-18 1.5–2 ft		SE-BW5A-5-E-12-13 4.5–5 ft		SE-BW5A-5-E-14-15 0–1 ft		SE-BW5A-5-E-22-23 1.5–2 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	E-BW5A-5-D-E-17-18-221103-1.5-0	H3-SE001855-0-0015	SE-BW5A-5-E-12-13-221031-4.5-05	H3-SE001851-0-0045	SE-BW5A-5-E-14-15-221101-00-01	H3-SE001853-0-0000	SE-BW5A-5-E-22-23-221108-1.5-02	H3-SE001859-0-0015
PCB Aroclors (mg/kg)								
Aroclor 1016	0.14 U	0.0017 U	0.04 U	0.00056 U	0.047 U	0.0016 UJ	0.04 U	0.00051 U
Aroclor 1221	0.14 U	0.0017 U	0.04 U	0.00056 U	0.047 U	0.0016 UJ	0.04 U	0.00051 U
Aroclor 1232	0.14 U	0.0017 U	0.04 U	0.00056 U	0.047 U	0.0016 UJ	0.04 U	0.00051 U
Aroclor 1242	0.14 U	0.0017 U	0.04 U	0.00056 U	0.047 U	0.0016 UJ	0.04 U	0.00051 U
Aroclor 1248	0.14 U	0.0017 U	0.04 U	0.00056 U	0.047 U	0.0016 UJ	0.04 U	0.00051 U
Aroclor 1254	0.14 U	0.0017 U	0.04 U	0.00056 U	0.745 J	0.0016 UJ	0.04 U	0.00069
Aroclor 1260	0.14 U	0.0017 UJ	0.04 U	0.00069	1.12 J	0.22 J	0.04 U	0.00051 U
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.12 U	0.0017 UJ	0.04 U	0.00069	1.87 J	0.22 J	0.04 U	0.00069

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-BW5A-6-A-B-5-6 0–1 ft		SE-BW5A-6-B-C-4-5 0–1 ft		SE-BW5A-6-C-D-3-4 0–1 ft		SE-BW5A-6-C-D-6-7 0–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-BW5A-6-A-B-5-6-221128-00-01	H3-SE001870-0-0000	SE-BW5A-6-B-C-4-5-221129-00-01	H3-SE001871-0-0000	SE-BW5A-6-C-D-3-4-221129-00-01	H3-SE001872-0-0000	SE-BW5A-6-C-D-6-7-221128-00-01	H3-SE001869-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.056 U	0.058 U	0.061 U	0.016 UJ	0.059 U	0.00091 U	0.046 U	0.012 U
Aroclor 1221	0.056 U	0.058 U	0.061 U	0.016 UJ	0.059 U	0.00091 U	0.046 U	0.012 U
Aroclor 1232	0.056 U	0.058 U	0.061 U	0.016 UJ	0.059 U	0.00091 U	0.046 U	0.012 U
Aroclor 1242	0.056 U	0.058 U	0.061 U	0.016 UJ	0.059 U	0.00091 U	0.046 U	0.012 U
Aroclor 1248	0.056 U	0.058 U	0.061 U	0.016 UJ	0.059 U	0.00091 U	0.046 U	0.012 U
Aroclor 1254	6.2	0.058 U	8.83 J	0.016 UJ	1.46	0.00091 U	0.046 U	0.012 U
Aroclor 1260	12.6	5.6	26.2 J	0.9 J	2.94	0.22 J	4.5	0.99
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	19	5.6	35 J	0.9 J	4.4	0.22 J	4.5	0.99

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-E-OWB1-01 0–0.5 ft		SE-E-OWB1-06 0.5–1 ft		SE-E-OWB1-08 0.5–1 ft		SE-E-OWB2-04 0–0.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-E-OWB1-01-220906-00-0.5	H3-SE001787-0-0000	SE-E-OWB1-06-220906-0.5-01	H3-SE001788-0-0005	SE-E-OWB1-08-220907-0.5-01	H3-SE001789-0-0005	SE-E-OWB2-04-220930-00-0.5	H3-SE001813-0-0000
PCB Aroclors (mg/kg)								
Aroclor 1016	0.043 U	0.043 U	0.044 U	0.041 U	0.054 U	0.052 U	0.077 U	0.00063 U
Aroclor 1221	0.043 U	0.043 U	0.044 U	0.041 U	0.054 U	0.052 U	0.077 U	0.00063 U
Aroclor 1232	0.043 U	0.043 U	0.044 U	0.041 U	0.054 U	0.052 U	0.077 U	0.00063 U
Aroclor 1242	0.043 U	0.043 U	0.044 U	0.041 U	0.054 U	0.052 U	0.077 U	0.00063 U
Aroclor 1248	0.043 U	0.043 U	0.044 U	0.041 U	0.054 U	0.052 U	0.077 U	0.00063 U
Aroclor 1254	0.043 U	0.043 U	0.748	0.041 U	0.054 U	0.052 U	0.0658 J	0.00063 U
Aroclor 1260	3.07	1.3	2.67	2.2	0.054 U	0.052 U	0.142	0.077
Aroclor 1262	--	0.043 U	--	0.041 U	--	0.052 U	--	--
Aroclor 1268	--	0.043 U	--	0.041 U	--	0.052 U	--	--
Total PCBs	3.07	1.3	3.42	2.2	0.048 U	0.052 U	0.208 J	0.077

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-E-OWB3-03 1–1.5 ft		SE-W-OWB1-04 0.5–1 ft		SE-WP-C-D-2-3 0.5–1 ft		SE-WP-C-D-4-5 1.5–2 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-E-OWB3-03-220930-01-1.5	H3-SE001814-0-0010	SE-W-OWB1-04-220914-0.5-01	H3-SE001795-0-0005	SE-WP-C-D-2-3-221013-0.5-01	H3-SE001831-0-0005	SE-WP-C-D-4-5-221020-1.5-02	H3-SE001840-0-0015
PCB Aroclors (mg/kg)								
Aroclor 1016	0.091 U	0.64 U	0.05 U	0.047 U	0.039 U	0.00097 U	0.086 U	0.00082 U
Aroclor 1221	0.091 U	0.64 U	0.05 U	0.047 U	0.039 U	0.00097 U	0.086 U	0.00082 U
Aroclor 1232	0.091 U	0.64 U	0.05 U	0.047 U	0.039 U	0.00097 U	0.086 U	0.00082 U
Aroclor 1242	0.091 U	0.64 U	0.05 U	0.047 U	0.039 U	0.00097 U	0.086 U	0.00082 U
Aroclor 1248	0.091 U	0.64 U	0.05 U	0.047 U	0.039 U	0.00097 U	0.086 U	0.00082 U
Aroclor 1254	63.8	0.64 U	0.05 U	0.047 U	0.039 U	0.00097 U	0.086 U	0.00082 U
Aroclor 1260	54.6	0.57 J	0.05 U	0.047 U	0.039 U	0.0022	0.0741 J	0.0074
Aroclor 1262	--	--	--	0.047 U	--	--	--	--
Aroclor 1268	--	--	--	0.047 U	--	--	--	--
Total PCBs	118	0.57 J	0.04 U	0.047 U	0.035 U	0.0022	0.0741 J	0.0074

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-WP-C-D-6 2–2.5 ft		SE-WP-D-E-2-3 2–2.5 ft		SE-WP-E-7-8 0.5–1 ft		SE-WP-E-F-3-4 1.5–2 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-WP-C-D-6-221014-02-2.5	H3-SE001832-0-0020	SE-WP-D-E-2-3-221019-02-2.5	H3-SE001839-0-0020	SE-WP-E-7-8-221014-0.5-01	H3-SE001833-0-0005	SE-WP-E-F-3-4-221019-1.5-02	H3-SE001838-0-0015
PCB Aroclors (mg/kg)								
Aroclor 1016	0.07 U	0.0012 U	0.038 U	0.00049 U	0.24 U	0.0035 U	0.23 U	0.0023 U
Aroclor 1221	0.07 U	0.0012 U	0.038 U	0.00049 U	0.24 U	0.0035 U	0.23 U	0.0023 U
Aroclor 1232	0.07 U	0.0012 U	0.038 U	0.00049 U	0.24 U	0.0035 U	0.23 U	0.0023 U
Aroclor 1242	0.07 U	0.0012 U	0.038 U	0.00049 U	0.24 U	0.0035 U	0.23 U	0.0023 U
Aroclor 1248	0.07 U	0.0012 U	0.038 U	0.00049 U	0.24 U	0.0035 U	0.23 U	0.0023 U
Aroclor 1254	0.07 U	0.0012 U	0.038 U	0.00049 U	0.234 J	0.0035 U	0.23 U	0.0023 U
Aroclor 1260	0.07 U	0.0012 U	0.038 U	0.0033	0.402 J	0.45	0.23 U	0.0015 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	0.06 U	0.0012 U	0.034 U	0.0033	0.636 J	0.45	0.21 U	0.0015 J

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

Location ID Depth Interval Sample Collector Sample ID	SE-WP-E-F-8-9 1–1.5 ft		SE-WP-F-6-7 1–1.5 ft		SE-WP-F-G-3-4 0–0.5 ft		SE-WP-G-H-17-18 2–2.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-WP-E-F-8-9-221018-01-1.5	H3-SE001835-0-0010	SE-WP-F-6-7-221018-01-1.5	H3-SE001836-0-0010	SE-WP-F-G-3-4-221019-00-0.5	H3-SE001837-0-0000	SE-WP-G-H-17-18-221017-02-2.5	H3-SE001834-0-0020
PCB Aroclors (mg/kg)								
Aroclor 1016	0.068 U	0.001 UJ	0.035 U	0.00047 U	0.21 U	0.0029 U	0.044 U	0.00053 U
Aroclor 1221	0.068 U	0.001 UJ	0.035 U	0.00047 U	0.21 U	0.0029 U	0.044 U	0.00053 U
Aroclor 1232	0.068 U	0.001 UJ	0.035 U	0.00047 U	0.21 U	0.0029 U	0.044 U	0.00053 U
Aroclor 1242	0.068 U	0.001 UJ	0.035 U	0.00047 U	0.21 U	0.0029 U	0.044 U	0.00053 U
Aroclor 1248	0.068 U	0.001 UJ	0.035 U	0.00047 U	0.21 U	0.0029 U	0.044 U	0.00053 U
Aroclor 1254	1.19 J	0.001 UJ	0.035 U	0.00047 U	1.68 J	0.0029 U	0.044 U	0.00053 U
Aroclor 1260	3.26 J	0.35 J	0.0377 J	0.014	4.57	0.4	0.044 U	0.001 J
Aroclor 1262	--	--	--	--	--	--	--	--
Aroclor 1268	--	--	--	--	--	--	--	--
Total PCBs	4.45 J	0.35 J	0.0377 J	0.014	6.25 J	0.4	0.039 U	0.001 J

Table E-7
Summary of 2022 and 2023 PDI River Sediment EPA PCB Split Sample Results

- Notes:
1. Samples collected by GE were analyzed for PCBs by SGS North America Inc., located in Dayton, New Jersey.
 2. Samples collected by EPA from August 30, 2022, to September 28, 2022, were analyzed for PCBs by Chemtech Consulting in Mountainside, New Jersey. Samples collected after September 28, 2022, and all the samples collected in 2023 were analyzed by Eurofins Pittsburg.

Bold: Detected result

ft: foot

EPA: Environmental Protection Agency

GE: General Electric Company

J: Estimated value

mg/kg: milligram per kilogram

PCB: polychlorinated bipheny

U: Compound analyzed for, but not detected above detection limit

UJ: Compound analyzed for, but not detected above estimated detection limit

Table E-8
Summary of 2023 PDI River Sediment TCLP Results

Chemical	Sample ID Sample Date Toxicity Regulatory Level	SE-000-00-COMP-230419-00-03 2023-04-19 (mg/L)	SE-025-59-COMP-230420-00-03 2023-04-20 (mg/L)	SE-043-16-COMP-230420-00-03 2023-04-20 (mg/L)	SE-068-20-COMP-230421-00-02 2023-04-21 (mg/L)	SE-078-22-COMP-230421-00-03 2023-04-21 (mg/L)
1,1-Dichloroethene	0.7	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
1,2-Dichloroethane	0.5	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
1,4-Dichlorobenzene	7.5	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
2,4,5-TP (Silvex)	1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
2,4,5-Trichlorophenol	400	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
2,4,6-Trichlorophenol	2	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
2,4-D (2,4-Dichlorophenoxyacetic acid)	10	ND(0.0033)	ND(0.0033)	ND(0.0033)	ND(0.0033)	ND(0.0033)
2,4-Dinitrotoluene	0.13	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
2-Methylphenol (o-Cresol)	200	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	--	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Arsenic	5	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Barium	100	0.39	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Benzene	0.5	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
Cadmium	1	0.0065	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.004)
Carbon tetrachloride (Tetrachloromethane)	0.5	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Chlordane (technical)	0.03	ND(0.0033)	ND(0.0033)	ND(0.0033)	ND(0.0033)	ND(0.0033)
Chlorobenzene	100	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Chloroform	6	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Chromium	5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Endrin	0.02	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067)
Heptachlor	--	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067)
Heptachlor epoxide	0.008	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067)
Hexachlorobenzene	0.13	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.4	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067)
Hexachloroethane	3	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Lead	5	0.13	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Mercury	0.2	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Methoxychlor	10	ND(0.00013)	ND(0.00013)	ND(0.00013)	ND(0.00013)	ND(0.00013)
Methyl ethyl ketone (2-Butanone)	200	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nitrobenzene	2	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Pentachlorophenol	100	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Pyridine	5	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)
Selenium	1	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Silver	5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Tetrachloroethene (PCE)	0.7	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toxaphene	0.5	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0017)
Trichloroethene (TCE)	0.5	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Vinyl chloride	0.2	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)

Table E-8
Summary of 2023 PDI River Sediment TCLP Results

Chemical	Sample ID Sample Date Toxicity Regulatory Level	SE-091-28-COMP-230424-00-03 2023-04-24 (mg/L)	SE-114-39-COMP-230424-00-03 2023-04-24 (mg/L)	SE-134-45-COMP-230424-00-03 2023-04-24 (mg/L)	SE-149-52-COMP-230424-00-03 2023-04-24 (mg/L)	SE-182-31-COMP-230424-00-03 2023-04-24 (mg/L)
1,1-Dichloroethene	0.7	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
1,2-Dichloroethane	0.5	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
1,4-Dichlorobenzene	7.5	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
2,4,5-TP (Silvex)	1	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001) [ND(0.001)]	ND(0.001)
2,4,5-Trichlorophenol	400	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05)
2,4,6-Trichlorophenol	2	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05)
2,4-D (2,4-Dichlorophenoxyacetic acid)	10	ND(0.0033)	ND(0.0033)	ND(0.0033)	ND(0.0033) [ND(0.0033)]	ND(0.0033)
2,4-Dinitrotoluene	0.13	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)
2-Methylphenol (o-Cresol)	200	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	--	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)
Arsenic	5	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1) [ND(0.1)]	ND(0.1)
Barium	100	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2) [ND(0.2)]	ND(0.2)
Benzene	0.5	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025) [ND(0.0025)]	ND(0.0025)
Cadmium	1	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.004) [ND(0.004)]	ND(0.004)
Carbon tetrachloride (Tetrachloromethane)	0.5	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
Chlordane (technical)	0.03	ND(0.0033)	ND(0.0033)	ND(0.0033)	ND(0.0033) [ND(0.0033)]	ND(0.0033)
Chlorobenzene	100	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
Chloroform	6	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
Chromium	5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01) [ND(0.01)]	ND(0.01)
Endrin	0.02	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067) [ND(0.000067)]	ND(0.000067)
Heptachlor	--	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067) [ND(0.000067)]	ND(0.000067)
Heptachlor epoxide	0.008	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067) [ND(0.000067)]	ND(0.000067)
Hexachlorobenzene	0.13	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	0.5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01) [ND(0.01)]	ND(0.01)
Hexachlorocyclohexane (BHC), gamma- (Lindane)	0.4	ND(0.000067)	ND(0.000067)	ND(0.000067)	ND(0.000067) [ND(0.000067)]	ND(0.000067)
Hexachloroethane	3	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05) [ND(0.05)]	ND(0.05)
Lead	5	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1) [ND(0.1)]	ND(0.1)
Mercury	0.2	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002) [ND(0.0002)]	ND(0.0002)
Methoxychlor	10	ND(0.00013)	ND(0.00013)	ND(0.00013)	ND(0.00013) [ND(0.00013)]	ND(0.00013)
Methyl ethyl ketone (2-Butanone)	200	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1) [ND(0.1)]	ND(0.1)
Nitrobenzene	2	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)
Pentachlorophenol	100	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1) [ND(0.1)]	ND(0.1)
Pyridine	5	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02) [ND(0.02)]	ND(0.02)
Selenium	1	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1) [ND(0.1)]	ND(0.1)
Silver	5	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01) [ND(0.01)]	ND(0.01)
Tetrachloroethene (PCE)	0.7	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
Toxaphene	0.5	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0017) [ND(0.0017)]	ND(0.0017)
Trichloroethene (TCE)	0.5	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)
Vinyl chloride	0.2	ND(0.005)	0.0063	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)

Table E-8
Summary of 2023 PDI River Sediment TCLP Results

- Notes:
- 1. Samples were collected by Ocean Surveys, Inc., and submitted to SGS Environmental Services, Dayton, New Jersey for TCLP analyses.
 - 2. Field duplicate sample results are presented in brackets.
 - 3. Toxicity regulatory level based on Code of Federal Regulations Title 40 Subpart 261.24.

TCLP = Toxicity Characteristic Leaching Procedure
--: Analyte was not measured for a sample
mg/L: milligram per liter
ND: Analyte was not detected; number in parentheses is the associated reporting limit
J: Result is estimated, based on automated analysis of laboratory quality control samples and results

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-MB-SPME-20220824 8/24/2022	HR-PW-SPME-C0-1-PRC-20220824 8/24/2022	HR-PW-SPME-C0-2-PRC-20220824 8/24/2022	HR-PW-SPME-C0-3-PRC-20220824 8/24/2022	HR-PW-SPME-C0-4-PRC-20220824 8/24/2022
Conventional Parameters (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	--	--
Conventional Parameters, Dissolved (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	--	--
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	--	--	--	--	--
Aroclor 1221	SW8082A	--	--	--	--	--
Aroclor 1232	SW8082A	--	--	--	--	--
Aroclor 1242	SW8082A	--	--	--	--	--
Aroclor 1248	SW8082A	--	--	--	--	--
Aroclor 1254	SW8082A	--	--	--	--	--
Aroclor 1260	SW8082A	--	--	--	--	--
Aroclor 1262	SW8082A	--	--	--	--	--
Aroclor 1268	SW8082A	--	--	--	--	--
Total PCB Aroclors (U = 0 max limit)		--	--	--	--	--
Total PCB Aroclors (U = 1/2 max limit)		--	--	--	--	--
PCB Congeners (µg/kg)						
PCB-001	E1668C	--	--	--	--	--
PCB-002	E1668C	--	--	--	--	--
PCB-003	E1668C	--	--	--	--	--
PCB-004	E1668C	--	--	--	--	--
PCB-005	E1668C	--	--	--	--	--
PCB-006	E1668C	--	--	--	--	--
PCB-007	E1668C	--	--	--	--	--
PCB-008	E1668C	--	--	--	--	--
PCB-009	E1668C	--	--	--	--	--
PCB-010	E1668C	--	--	--	--	--
PCB-011	E1668C	--	--	--	--	--
PCB-012/013	E1668C	--	--	--	--	--
PCB-014	E1668C	--	--	--	--	--
PCB-015	E1668C	--	--	--	--	--
PCB-016	E1668C	--	--	--	--	--
PCB-017	E1668C	--	--	--	--	--
PCB-018/030	E1668C	--	--	--	--	--
PCB-019	E1668C	--	--	--	--	--
PCB-020/028	E1668C	--	--	--	--	--
PCB-021/033	E1668C	--	--	--	--	--
PCB-022	E1668C	--	--	--	--	--
PCB-023	E1668C	--	--	--	--	--
PCB-024	E1668C	--	--	--	--	--
PCB-025	E1668C	--	--	--	--	--
PCB-026/029	E1668C	--	--	--	--	--
PCB-027	E1668C	--	--	--	--	--
PCB-031	E1668C	--	--	--	--	--
PCB-032	E1668C	--	--	--	--	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-SPME-C0-5-PRC-20220824 8/24/2022	BW5A1-PW07-080422 8/4/2022 1–3 ft	HR-SPME-BW5A1-PW07-080422 10/27/2022	BW5A-S-PW13-080522 8/5/2022 1–2.06 ft	HR-SPME-BW5A-5-PW13-080522 10/27/2022
Conventional Parameters (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	--	--
Conventional Parameters, Dissolved (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	4.2 J	--	15.1 J	--
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	--	1.87 J	--	4.21 J	--
Total solids	SM2540G	--	62.2	--	52.1	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	--	0.051 U	--	0.062 U	--
Aroclor 1221	SW8082A	--	0.051 U	--	0.062 U	--
Aroclor 1232	SW8082A	--	0.051 U	--	0.062 U	--
Aroclor 1242	SW8082A	--	0.051 U	--	0.062 U	--
Aroclor 1248	SW8082A	--	0.051 U	--	0.062 U	--
Aroclor 1254	SW8082A	--	0.051 U	--	0.062 U	--
Aroclor 1260	SW8082A	--	0.051 U	--	0.062 U	--
Aroclor 1262	SW8082A	--	--	--	--	--
Aroclor 1268	SW8082A	--	--	--	--	--
Total PCB Aroclors (U = 0 max limit)		--	0.045 U	--	0.056 U	--
Total PCB Aroclors (U = 1/2 max limit)		--	0.045 U	--	0.056 U	--
PCB Congeners (µg/kg)						
PCB-001	E1668C	--	0.00448	--	0.00348	--
PCB-002	E1668C	--	0.000638 J	--	0.00135 J	--
PCB-003	E1668C	--	0.0021	--	0.00197 J	--
PCB-004	E1668C	--	0.0336	--	0.0253 U	--
PCB-005	E1668C	--	0.000468 U	--	0.00063 U	--
PCB-006	E1668C	--	0.0117	--	0.0146	--
PCB-007	E1668C	--	0.00151 J	--	0.00223	--
PCB-008	E1668C	--	0.0173	--	0.0284	--
PCB-009	E1668C	--	0.0028	--	0.00362	--
PCB-010	E1668C	--	0.00142 U	--	0.00107 J	--
PCB-011	E1668C	--	0.0034 U	--	0.00768 U	--
PCB-012/013	E1668C	--	0.00364	--	0.00304 J	--
PCB-014	E1668C	--	0.000459 U	--	0.000597 U	--
PCB-015	E1668C	--	0.0245	--	0.0203	--
PCB-016	E1668C	--	0.00725	--	0.0158	--
PCB-017	E1668C	--	0.075	--	0.0375	--
PCB-018/030	E1668C	--	0.0479	--	0.0457	--
PCB-019	E1668C	--	0.0542	--	0.0198	--
PCB-020/028	E1668C	--	0.0878	--	0.0877	--
PCB-021/033	E1668C	--	0.0654	--	0.0508	--
PCB-022	E1668C	--	0.00768	--	0.0164	--
PCB-023	E1668C	--	0.000796 U	--	0.00188 U	--
PCB-024	E1668C	--	0.000511 U	--	0.00117 U	--
PCB-025	E1668C	--	0.0362	--	0.0463	--
PCB-026/029	E1668C	--	0.0422	--	0.0922	--
PCB-027	E1668C	--	0.0642	--	0.0941	--
PCB-031	E1668C	--	0.0303	--	0.0496	--
PCB-032	E1668C	--	0.143	--	0.0807	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST112-PW10-080422 10/27/2022	ST112-PW10-080422 8/4/2022 1–2.75 ft	HR-SPME-ST122-PW11-080522 10/27/2022	ST122-PW11-080522 8/5/2022 1–2.75 ft	HR-SPME-ST-134-PW12-080522 10/27/2022
Conventional Parameters (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	--	--
Conventional Parameters, Dissolved (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	6.5 J	--	1.0 UJ	--
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	--	0.233 J	--	0.381 J	--
Total solids	SM2540G	--	74.7	--	75.4	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	--	0.041 U	--	0.043 U	--
Aroclor 1221	SW8082A	--	0.041 U	--	0.043 U	--
Aroclor 1232	SW8082A	--	0.041 U	--	0.043 U	--
Aroclor 1242	SW8082A	--	0.041 U	--	0.043 U	--
Aroclor 1248	SW8082A	--	0.041 U	--	0.043 U	--
Aroclor 1254	SW8082A	--	0.415	--	2.09	--
Aroclor 1260	SW8082A	--	1.19	--	3.32	--
Aroclor 1262	SW8082A	--	--	--	--	--
Aroclor 1268	SW8082A	--	--	--	--	--
Total PCB Aroclors (U = 0 max limit)		--	1.61	--	5.41	--
Total PCB Aroclors (U = 1/2 max limit)		--	1.67	--	5.48	--
PCB Congeners (µg/kg)						
PCB-001	E1668C	--	0.155	--	0.544	--
PCB-002	E1668C	--	0.00907	--	0.0176	--
PCB-003	E1668C	--	0.0786	--	0.144	--
PCB-004	E1668C	--	2.34	--	9.84 J	--
PCB-005	E1668C	--	0.00742 J	--	0.00616	--
PCB-006	E1668C	--	0.353	--	1.16	--
PCB-007	E1668C	--	0.0256	--	0.000973 U	--
PCB-008	E1668C	--	0.566	--	1.13	--
PCB-009	E1668C	--	0.0423	--	0.0974	--
PCB-010	E1668C	--	0.141	--	0.44	--
PCB-011	E1668C	--	0.0252	--	0.0786	--
PCB-012/013	E1668C	--	0.165	--	0.539	--
PCB-014	E1668C	--	0.00139 U	--	0.000944 U	--
PCB-015	E1668C	--	1.24	--	2.53	--
PCB-016	E1668C	--	0.394	--	0.471	--
PCB-017	E1668C	--	2.72	--	3.59	--
PCB-018/030	E1668C	--	1.5	--	2.55	--
PCB-019	E1668C	--	5.31 J	--	4.87	--
PCB-020/028	E1668C	--	1.7	--	2.58	--
PCB-021/033	E1668C	--	0.746	--	0.657	--
PCB-022	E1668C	--	0.256	--	0.462	--
PCB-023	E1668C	--	0.00466 U	--	0.00266 U	--
PCB-024	E1668C	--	0.0158	--	0.0146	--
PCB-025	E1668C	--	1.48	--	3.74	--
PCB-026/029	E1668C	--	3.28	--	9.59	--
PCB-027	E1668C	--	2.3	--	3.72	--
PCB-031	E1668C	--	1.4	--	2.75	--
PCB-032	E1668C	--	2.14	--	2.65	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST134-PW12-080522 8/5/2022 1–2.6 ft	HR-SPME-ST152-PW14-080522 10/27/2022	ST152-PW14-080522 8/5/2022 1–1.62 ft	HR-SPME-ST167-PW15-080822 10/27/2022	ST167-PW15-080822 8/8/2022 1–2.2 ft
Conventional Parameters (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	--	1.3 J
Conventional Parameters, Dissolved (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	5.0 UJ	--	1.3 UJ	--	--
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.449 J	--	0.344 J	--	0.634 J
Total solids	SM2540G	81.4	--	77.1	--	72.8
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.037 U	--	0.042 U	--	0.045 U
Aroclor 1221	SW8082A	0.037 U	--	0.042 U	--	0.045 U
Aroclor 1232	SW8082A	0.037 U	--	0.042 U	--	0.045 U
Aroclor 1242	SW8082A	0.037 U	--	0.118	--	0.045 U
Aroclor 1248	SW8082A	0.037 U	--	0.042 U	--	0.045 U
Aroclor 1254	SW8082A	0.149	--	0.042 U	--	0.482
Aroclor 1260	SW8082A	0.47	--	0.042 U	--	1.96
Aroclor 1262	SW8082A	--	--	--	--	0.045 U
Aroclor 1268	SW8082A	--	--	--	--	0.045 U
Total PCB Aroclors (U = 0 max limit)		0.62	--	0.118	--	2.44
Total PCB Aroclors (U = 1/2 max limit)		0.67	--	0.193	--	2.51
PCB Congeners (µg/kg)						
PCB-001	E1668C	0.0261	--	0.0855	--	0.0556
PCB-002	E1668C	0.00127	--	0.00557	--	0.00713
PCB-003	E1668C	0.0284	--	0.0368	--	0.0463
PCB-004	E1668C	0.948	--	2.4	--	0.362
PCB-005	E1668C	0.00183	--	0.00312	--	0.0105
PCB-006	E1668C	0.112	--	0.207	--	0.275
PCB-007	E1668C	0.00689	--	0.0123	--	0.0328
PCB-008	E1668C	0.189	--	0.3	--	0.812
PCB-009	E1668C	0.0102	--	0.0254	--	0.0333
PCB-010	E1668C	0.0367	--	0.12	--	0.0107
PCB-011	E1668C	0.0135 U	--	0.015 U	--	0.0233
PCB-012/013	E1668C	0.109	--	0.135	--	0.103
PCB-014	E1668C	0.00070 U	--	0.000641 U	--	0.00239 U
PCB-015	E1668C	0.968	--	1.07	--	1.31
PCB-016	E1668C	0.148	--	0.186	--	0.471
PCB-017	E1668C	2.03	--	1.41	--	1.6
PCB-018/030	E1668C	0.687	--	0.654	--	1.33
PCB-019	E1668C	1.98	--	3.54	--	0.18
PCB-020/028	E1668C	1.24	--	0.821	--	3.48
PCB-021/033	E1668C	0.645	--	0.282	--	0.755
PCB-022	E1668C	0.176	--	0.126	--	0.689
PCB-023	E1668C	0.00141 U	--	0.00149 U	--	0.00481 U
PCB-024	E1668C	0.00508	--	0.00681	--	0.0174
PCB-025	E1668C	0.733	--	0.492	--	0.818
PCB-026/029	E1668C	0.87	--	0.88	--	2.09
PCB-027	E1668C	1.23	--	0.919	--	0.179
PCB-031	E1668C	0.903	--	0.745	--	2.06
PCB-032	E1668C	2.44	--	1.07	--	0.692

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST177-PW16-080822 10/27/2022	ST177-PW16-080822 8/8/2022 1–2.45 ft	HR-SPME-ST18-PW1-080922 10/27/2022	ST18-PW1-080922 8/9/2022 1–1.65 ft	HR-SPME-ST190-PW17-080822 10/27/2022
Conventional Parameters (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	4.5 J	--	--	--
Conventional Parameters, Dissolved (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	7.6 J	--
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	--	0.279 J	--	0.837 J	--
Total solids	SM2540G	--	76.2	--	71.4	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	--	0.042 U	--	0.046 U	--
Aroclor 1221	SW8082A	--	0.042 U	--	0.046 U	--
Aroclor 1232	SW8082A	--	0.042 U	--	0.046 U	--
Aroclor 1242	SW8082A	--	0.042 U	--	0.046 U	--
Aroclor 1248	SW8082A	--	0.042 U	--	0.046 U	--
Aroclor 1254	SW8082A	--	0.124	--	0.302	--
Aroclor 1260	SW8082A	--	1.37	--	0.069	--
Aroclor 1262	SW8082A	--	0.042 U	--	--	--
Aroclor 1268	SW8082A	--	0.042 U	--	--	--
Total PCB Aroclors (U = 0 max limit)		--	1.49	--	0.371	--
Total PCB Aroclors (U = 1/2 max limit)		--	1.56	--	0.442	--
PCB Congeners (µg/kg)						
PCB-001	E1668C	--	0.126	--	0.105	--
PCB-002	E1668C	--	0.0072	--	0.00569	--
PCB-003	E1668C	--	0.0649	--	0.0427	--
PCB-004	E1668C	--	0.961	--	5.92 J	--
PCB-005	E1668C	--	0.00245 U	--	0.0085	--
PCB-006	E1668C	--	0.37	--	0.44	--
PCB-007	E1668C	--	0.0411	--	0.0306 J	--
PCB-008	E1668C	--	0.619	--	0.617	--
PCB-009	E1668C	--	0.0386	--	0.0516	--
PCB-010	E1668C	--	0.0443	--	0.338	--
PCB-011	E1668C	--	0.00931 U	--	0.0194 U	--
PCB-012/013	E1668C	--	0.169	--	0.127	--
PCB-014	E1668C	--	0.00239 U	--	0.00352 U	--
PCB-015	E1668C	--	2.61	--	0.934	--
PCB-016	E1668C	--	0.2	--	0.458	--
PCB-017	E1668C	--	3.03	--	3.21	--
PCB-018/030	E1668C	--	1.82	--	1.74	--
PCB-019	E1668C	--	1.57	--	11.1 J	--
PCB-020/028	E1668C	--	5.34	--	2.36	--
PCB-021/033	E1668C	--	3.96	--	0.463	--
PCB-022	E1668C	--	0.411	--	0.345	--
PCB-023	E1668C	--	0.013 U	--	0.00881 U	--
PCB-024	E1668C	--	0.652	--	0.03	--
PCB-025	E1668C	--	2.82	--	2.61	--
PCB-026/029	E1668C	--	2.22	--	8.33	--
PCB-027	E1668C	--	3.03	--	2.67	--
PCB-031	E1668C	--	3.29	--	2.06	--
PCB-032	E1668C	--	6.61 J	--	0.94	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST190-PW17-080822 8/8/2022 1–2.6 ft	HR-SPME-ST197-PW18-080822 10/27/2022	ST197-PW18-080822 8/8/2022 1–2.45 ft	HR-SPME-ST-215-PW19-080822 10/27/2022	ST215-PW19-080822 8/8/2022 1–2.7 ft
Conventional Parameters (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	1.0 UJ	--	11.9 J
Conventional Parameters, Dissolved (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	--	--
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.277 J	--	0.112 J	--	1.17 J
Total solids	SM2540G	74.4	--	76.5	--	76.2
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.044 U	--	0.042 U	--	0.043 U
Aroclor 1221	SW8082A	0.044 U	--	0.042 U	--	0.043 U
Aroclor 1232	SW8082A	0.044 U	--	0.042 U	--	0.043 U
Aroclor 1242	SW8082A	0.044 U	--	0.042 U	--	0.043 U
Aroclor 1248	SW8082A	0.044 U	--	0.042 U	--	0.043 U
Aroclor 1254	SW8082A	0.444	--	0.042 U	--	1.03
Aroclor 1260	SW8082A	1.27	--	0.34	--	3.53
Aroclor 1262	SW8082A	0.044 U	--	0.042 U	--	0.043 U
Aroclor 1268	SW8082A	0.044 U	--	0.042 U	--	0.043 U
Total PCB Aroclors (U = 0 max limit)		1.71	--	0.34	--	4.56
Total PCB Aroclors (U = 1/2 max limit)		1.78	--	0.42	--	4.63
PCB Congeners (µg/kg)						
PCB-001	E1668C	2.49	--	0.0088	--	0.0757
PCB-002	E1668C	0.0304 J	--	0.00106 J	--	0.0136
PCB-003	E1668C	1.47	--	0.00643	--	0.0762
PCB-004	E1668C	381 J	--	0.208	--	0.75
PCB-005	E1668C	0.030 U	--	0.001 J	--	0.0265 J
PCB-006	E1668C	8.12 J	--	0.0507	--	1.47
PCB-007	E1668C	0.285	--	0.00304 J	--	0.098
PCB-008	E1668C	10.7 J	--	0.0915	--	2.59
PCB-009	E1668C	0.613	--	0.00566	--	0.15
PCB-010	E1668C	9.84 J	--	0.0102	--	0.0311
PCB-011	E1668C	0.104 J	--	0.00519 U	--	0.0766
PCB-012/013	E1668C	9.71	--	0.0217	--	0.404
PCB-014	E1668C	0.0292 U	--	0.00058 U	--	0.00844 U
PCB-015	E1668C	67.4 J	--	0.331	--	3.05
PCB-016	E1668C	0.832 J	--	0.0739	--	2.84
PCB-017	E1668C	53.8 J	--	0.206	--	4.94 J
PCB-018/030	E1668C	6.95 J	--	0.232	--	6.78
PCB-019	E1668C	612 J	--	0.282	--	0.97
PCB-020/028	E1668C	11.5 J	--	0.605	--	14.5 J
PCB-021/033	E1668C	9.46	--	0.102	--	4.97
PCB-022	E1668C	1.16	--	0.0953	--	3.63
PCB-023	E1668C	0.0598 U	--	0.00101 U	--	0.0167 U
PCB-024	E1668C	0.098 J	--	0.00273	--	0.0895
PCB-025	E1668C	12.9 J	--	0.141	--	5.55 J
PCB-026/029	E1668C	9.11	--	0.353	--	11.8 J
PCB-027	E1668C	57 J	--	0.116	--	2.83
PCB-031	E1668C	18.5 J	--	0.47	--	11.6 J
PCB-032	E1668C	52.8 J	--	0.163	--	3.57

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST230-PW20-080822 10/27/2022	ST230-PW20-080822 8/8/2022 1–2.8 ft	HR-SPME-ST33-PW-2-080322 10/26/2022	ST33-PW-2-080322 8/3/2022 1–2.05 ft	HR-SPME-ST43-PW-3-080322 10/26/2022
Conventional Parameters (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	58.1 J	--	2.8	--
Conventional Parameters, Dissolved (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	--	--
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	--	0.535 J	--	0.472 J	--
Total solids	SM2540G	--	75.5	--	78.4	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	--	0.042 U	--	0.042 U	--
Aroclor 1221	SW8082A	--	0.042 U	--	0.042 U	--
Aroclor 1232	SW8082A	--	0.042 U	--	0.042 U	--
Aroclor 1242	SW8082A	--	0.042 U	--	0.042 U	--
Aroclor 1248	SW8082A	--	0.042 U	--	0.042 U	--
Aroclor 1254	SW8082A	--	1.3	--	0.225	--
Aroclor 1260	SW8082A	--	6.34	--	1.01	--
Aroclor 1262	SW8082A	--	0.042 U	--	0.042 U	--
Aroclor 1268	SW8082A	--	0.042 U	--	0.042 U	--
Total PCB Aroclors (U = 0 max limit)		--	7.6	--	1.24	--
Total PCB Aroclors (U = 1/2 max limit)		--	7.7	--	1.3	--
PCB Congeners (µg/kg)						
PCB-001	E1668C	--	0.29	--	0.0692	--
PCB-002	E1668C	--	0.0238	--	0.0088	--
PCB-003	E1668C	--	0.191	--	0.0508	--
PCB-004	E1668C	--	2.99	--	0.588	--
PCB-005	E1668C	--	0.0514	--	0.0356	--
PCB-006	E1668C	--	0.981	--	0.874	--
PCB-007	E1668C	--	0.0779 J	--	0.0469	--
PCB-008	E1668C	--	2.39	--	1.56	--
PCB-009	E1668C	--	0.148	--	0.121	--
PCB-010	E1668C	--	0.159	--	0.0232	--
PCB-011	E1668C	--	0.048	--	0.0356	--
PCB-012/013	E1668C	--	0.465	--	0.193	--
PCB-014	E1668C	--	0.00629 U	--	0.000884 U	--
PCB-015	E1668C	--	8.26 J	--	1.59	--
PCB-016	E1668C	--	2.13	--	0.601	--
PCB-017	E1668C	--	4.59	--	0.97	--
PCB-018/030	E1668C	--	5.8	--	1.35	--
PCB-019	E1668C	--	2.46	--	0.348	--
PCB-020/028	E1668C	--	7.12	--	3.38	--
PCB-021/033	E1668C	--	2.42	--	0.873	--
PCB-022	E1668C	--	1.34	--	0.773	--
PCB-023	E1668C	--	0.0114 U	--	0.00359 U	--
PCB-024	E1668C	--	0.0625	--	0.0184	--
PCB-025	E1668C	--	2.61	--	2.15	--
PCB-026/029	E1668C	--	5.93	--	5.88	--
PCB-027	E1668C	--	4.43	--	0.442	--
PCB-031	E1668C	--	5.57 J	--	2.83	--
PCB-032	E1668C	--	6.12 J	--	0.528	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST43-PW-3-080322 8/3/2022 1–1.85 ft	HR-SPME-ST53-PW-4-080322 10/26/2022	ST53-PW-4-080322 8/3/2022 1–2.4 ft	HR-SPME-ST69-PW-5-080322 10/26/2022	ST69-PW-5-080322 8/3/2022 1–2.6 ft
Conventional Parameters (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	4.4	--	1.2	--	--
Conventional Parameters, Dissolved (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	--	--
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.671 J	--	0.251 J	--	0.202 J
Total solids	SM2540G	74.6	--	83.6	--	85.9
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.042 U	--	0.039 U	--	0.038 U
Aroclor 1221	SW8082A	0.042 U	--	0.039 U	--	0.038 U
Aroclor 1232	SW8082A	0.042 U	--	0.039 U	--	0.038 U
Aroclor 1242	SW8082A	0.042 U	--	0.039 U	--	0.038 U
Aroclor 1248	SW8082A	0.042 U	--	0.039 U	--	0.038 U
Aroclor 1254	SW8082A	0.83	--	0.848	--	0.038 U
Aroclor 1260	SW8082A	2.4	--	4.11	--	0.0507
Aroclor 1262	SW8082A	0.042 U	--	0.039 U	--	0.038 U
Aroclor 1268	SW8082A	0.042 U	--	0.039 U	--	0.038 U
Total PCB Aroclors (U = 0 max limit)		3.2	--	4.96	--	0.0507
Total PCB Aroclors (U = 1/2 max limit)		3.3	--	5.02	--	0.119
PCB Congeners (µg/kg)						
PCB-001	E1668C	9.19 J	--	0.0119	--	0.24
PCB-002	E1668C	0.0646	--	0.00141 J	--	0.0191
PCB-003	E1668C	1.84	--	0.00768	--	0.181
PCB-004	E1668C	136 J	--	0.329	--	1.35
PCB-005	E1668C	0.0227	--	0.00299	--	0.0202
PCB-006	E1668C	16.6 J	--	0.196	--	0.7
PCB-007	E1668C	2.1	--	0.0075	--	0.0497
PCB-008	E1668C	6.06 J	--	0.26	--	1.31
PCB-009	E1668C	3.55	--	0.0144	--	0.0793
PCB-010	E1668C	8.93 J	--	0.0156	--	0.0822
PCB-011	E1668C	0.276	--	0.00564 U	--	0.044
PCB-012/013	E1668C	13.5 J	--	0.0207	--	0.334
PCB-014	E1668C	0.00553 U	--	0.00053 U	--	0.00157 U
PCB-015	E1668C	11.9 J	--	0.325	--	2.99
PCB-016	E1668C	1.53	--	0.224	--	1.01
PCB-017	E1668C	124 J	--	0.715	--	2.25
PCB-018/030	E1668C	36.9 J	--	0.62	--	2.55
PCB-019	E1668C	148 J	--	0.698	--	1.43
PCB-020/028	E1668C	32.9 J	--	0.334	--	3.72
PCB-021/033	E1668C	3.73	--	0.113	--	1.14
PCB-022	E1668C	1.04	--	0.0516	--	0.853
PCB-023	E1668C	0.0176 U	--	0.000878 U	--	0.00461 U
PCB-024	E1668C	0.00185 U	--	0.00673	--	0.0299
PCB-025	E1668C	44.6 J	--	0.263	--	2.36
PCB-026/029	E1668C	116 J	--	0.708	--	5
PCB-027	E1668C	115 J	--	0.479	--	1.88
PCB-031	E1668C	24.6 J	--	0.254	--	3.39
PCB-032	E1668C	27.7 J	--	0.514	--	1.94

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	DUP-080422 8/4/2022 1–2.03 ft	HR-SPME-DUP-080422 10/26/2022	HR-SPME-ST78-PW06-080422 10/26/2022	ST78-PW06-080422 8/4/2022 1–2.03 ft	HR-SPME-ST91-PW08-080422 10/26/2022
Conventional Parameters (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	--	--	--	--	--
Conventional Parameters, Dissolved (porewater) (mg/L)						
Dissolved organic carbon	SM5310B	1.0 UJ	--	--	2.2 UJ	--
Conventional Parameters (percent)						
Total organic carbon	Lloyd Kahn	0.495 J	--	--	0.421 J	--
Total solids	SM2540G	72.6	--	--	70.8	--
PCB Aroclors (mg/kg)						
Aroclor 1016	SW8082A	0.045 U	--	--	0.045 U	--
Aroclor 1221	SW8082A	0.045 U	--	--	0.045 U	--
Aroclor 1232	SW8082A	0.045 U	--	--	0.045 U	--
Aroclor 1242	SW8082A	0.045 U	--	--	0.045 U	--
Aroclor 1248	SW8082A	0.045 U	--	--	0.045 U	--
Aroclor 1254	SW8082A	0.214 J	--	--	0.342 J	--
Aroclor 1260	SW8082A	0.601 J	--	--	1.04 J	--
Aroclor 1262	SW8082A	--	--	--	--	--
Aroclor 1268	SW8082A	--	--	--	--	--
Total PCB Aroclors (U = 0 max limit)		0.815 J	--	--	1.38 J	--
Total PCB Aroclors (U = 1/2 max limit)		0.883 J	--	--	1.45 J	--
PCB Congeners (µg/kg)						
PCB-001	E1668C	0.0903 J	--	--	0.221 J	--
PCB-002	E1668C	0.00207 UJ	--	--	0.0053 J	--
PCB-003	E1668C	0.0289 J	--	--	0.173 J	--
PCB-004	E1668C	1.14 J	--	--	2.17 J	--
PCB-005	E1668C	0.00413 U	--	--	0.00566	--
PCB-006	E1668C	0.169 J	--	--	0.3 J	--
PCB-007	E1668C	0.0225	--	--	0.0342	--
PCB-008	E1668C	0.449 J	--	--	0.881 J	--
PCB-009	E1668C	0.0159 J	--	--	0.0267 J	--
PCB-010	E1668C	0.0429 J	--	--	0.0879 J	--
PCB-011	E1668C	0.0132 J	--	--	0.0262 J	--
PCB-012/013	E1668C	0.0865 J	--	--	0.453 J	--
PCB-014	E1668C	0.00394 U	--	--	0.00057 U	--
PCB-015	E1668C	0.832 J	--	--	1.9 J	--
PCB-016	E1668C	0.117 J	--	--	0.243 J	--
PCB-017	E1668C	2.54 J	--	--	4.7 J	--
PCB-018/030	E1668C	0.644 J	--	--	1.19 J	--
PCB-019	E1668C	1.38 J	--	--	2.53 J	--
PCB-020/028	E1668C	0.953	--	--	1.49	--
PCB-021/033	E1668C	0.389 J	--	--	0.717 J	--
PCB-022	E1668C	0.14 J	--	--	0.239 J	--
PCB-023	E1668C	0.00615 U	--	--	0.00169 U	--
PCB-024	E1668C	0.00594	--	--	0.00786	--
PCB-025	E1668C	1.04	--	--	1.63	--
PCB-026/029	E1668C	1.95 J	--	--	3.41 J	--
PCB-027	E1668C	1.21 J	--	--	2.19 J	--
PCB-031	E1668C	0.795 J	--	--	1.54 J	--
PCB-032	E1668C	0.953 J	--	--	1.75 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST91-PW08-080422 8/4/2022 1–2.35 ft	HR-SPME-ST99-PW09-080422 10/27/2022	ST99-PW09-080422 8/4/2022 1–2.15 ft
Conventional Parameters (porewater) (mg/L)				
Dissolved organic carbon	SM5310B	--	--	--
Conventional Parameters, Dissolved (porewater) (mg/L)				
Dissolved organic carbon	SM5310B	1.3 UJ	--	--
Conventional Parameters (percent)				
Total organic carbon	Lloyd Kahn	0.132 J	--	0.0617 J
Total solids	SM2540G	80.2	--	85.2
PCB Aroclors (mg/kg)				
Aroclor 1016	SW8082A	0.040 U	--	0.036 U
Aroclor 1221	SW8082A	0.040 U	--	0.036 U
Aroclor 1232	SW8082A	0.040 U	--	0.036 U
Aroclor 1242	SW8082A	0.040 U	--	0.036 U
Aroclor 1248	SW8082A	0.040 U	--	0.036 U
Aroclor 1254	SW8082A	0.316	--	0.29
Aroclor 1260	SW8082A	0.682	--	0.161
Aroclor 1262	SW8082A	--	--	--
Aroclor 1268	SW8082A	--	--	--
Total PCB Aroclors (U = 0 max limit)		0.998	--	0.45
Total PCB Aroclors (U = 1/2 max limit)		1.06	--	0.51
PCB Congeners (µg/kg)				
PCB-001	E1668C	2.46	--	0.00893
PCB-002	E1668C	0.0919	--	0.000223 J
PCB-003	E1668C	0.762	--	0.00384
PCB-004	E1668C	29.3 J	--	0.309
PCB-005	E1668C	0.0366	--	0.000478 U
PCB-006	E1668C	4.22	--	0.00939
PCB-007	E1668C	0.273	--	0.00047 U
PCB-008	E1668C	5.19 J	--	0.0149
PCB-009	E1668C	0.429	--	0.00128 J
PCB-010	E1668C	1.06	--	0.0185
PCB-011	E1668C	0.181	--	0.00355 U
PCB-012/013	E1668C	0.00226 U	--	0.0109
PCB-014	E1668C	0.00226 U	--	0.000468 U
PCB-015	E1668C	13.8 J	--	0.099
PCB-016	E1668C	1.55	--	0.00897
PCB-017	E1668C	33.2 J	--	0.112
PCB-018/030	E1668C	7.64	--	0.0725
PCB-019	E1668C	22.6 J	--	0.382
PCB-020/028	E1668C	6.54	--	0.0598
PCB-021/033	E1668C	2.77	--	0.0312
PCB-022	E1668C	1.19	--	0.00649
PCB-023	E1668C	0.00478 U	--	0.000865 U
PCB-024	E1668C	0.0532	--	0.000537 U
PCB-025	E1668C	6.05 J	--	0.0478
PCB-026/029	E1668C	8.01	--	0.0463
PCB-027	E1668C	13.1 J	--	0.115
PCB-031	E1668C	7.14 J	--	0.043
PCB-032	E1668C	0.000738 U	--	0.138

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-MB-SPME-20220824 8/24/2022	HR-PW-SPME-C0-1-PRC-20220824 8/24/2022	HR-PW-SPME-C0-2-PRC-20220824 8/24/2022	HR-PW-SPME-C0-3-PRC-20220824 8/24/2022	HR-PW-SPME-C0-4-PRC-20220824 8/24/2022
PCB-034	E1668C	--	--	--	--	--
PCB-035	E1668C	--	--	--	--	--
PCB-036	E1668C	--	--	--	--	--
PCB-037	E1668C	--	--	--	--	--
PCB-038	E1668C	--	--	--	--	--
PCB-039	E1668C	--	--	--	--	--
PCB-040/071	E1668C	--	--	--	--	--
PCB-041	E1668C	--	--	--	--	--
PCB-042	E1668C	--	--	--	--	--
PCB-043	E1668C	--	--	--	--	--
PCB-044/047/065	E1668C	--	--	--	--	--
PCB-045	E1668C	--	--	--	--	--
PCB-046	E1668C	--	--	--	--	--
PCB-048	E1668C	--	--	--	--	--
PCB-049/069	E1668C	--	--	--	--	--
PCB-050/053	E1668C	--	--	--	--	--
PCB-051	E1668C	--	--	--	--	--
PCB-052	E1668C	--	--	--	--	--
PCB-054	E1668C	--	--	--	--	--
PCB-055	E1668C	--	--	--	--	--
PCB-056	E1668C	--	--	--	--	--
PCB-057	E1668C	--	--	--	--	--
PCB-058	E1668C	--	--	--	--	--
PCB-059/062/075	E1668C	--	--	--	--	--
PCB-060	E1668C	--	--	--	--	--
PCB-061/070/074/076	E1668C	--	--	--	--	--
PCB-063	E1668C	--	--	--	--	--
PCB-064	E1668C	--	--	--	--	--
PCB-066	E1668C	--	--	--	--	--
PCB-067	E1668C	--	--	--	--	--
PCB-068	E1668C	--	--	--	--	--
PCB-072	E1668C	--	--	--	--	--
PCB-073	E1668C	--	--	--	--	--
PCB-077	E1668C	--	--	--	--	--
PCB-078	E1668C	--	--	--	--	--
PCB-079	E1668C	--	--	--	--	--
PCB-080	E1668C	--	--	--	--	--
PCB-081	E1668C	--	--	--	--	--
PCB-082	E1668C	--	--	--	--	--
PCB-083	E1668C	--	--	--	--	--
PCB-084	E1668C	--	--	--	--	--
PCB-085/116	E1668C	--	--	--	--	--
PCB-086/087/097/109/119/125	E1668C	--	--	--	--	--
PCB-088	E1668C	--	--	--	--	--
PCB-089	E1668C	--	--	--	--	--
PCB-090/101/113	E1668C	--	--	--	--	--
PCB-091	E1668C	--	--	--	--	--
PCB-092	E1668C	--	--	--	--	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-SPME-C0-5-PRC-20220824 8/24/2022	BW5A1-PW07-080422 8/4/2022 1–3 ft	HR-SPME-BW5A1-PW07-080422 10/27/2022	BW5A-S-PW13-080522 8/5/2022 1–2.06 ft	HR-SPME-BW5A-5-PW13-080522 10/27/2022
PCB-034	E1668C	--	0.0133	--	0.00359	--
PCB-035	E1668C	--	0.00102 J	--	0.00182 U	--
PCB-036	E1668C	--	0.00066 U	--	0.00162 U	--
PCB-037	E1668C	--	0.0235	--	0.0217	--
PCB-038	E1668C	--	0.000706 U	--	0.0017 U	--
PCB-039	E1668C	--	0.00104 J	--	0.00176 U	--
PCB-040/071	E1668C	--	0.356	--	0.456	--
PCB-041	E1668C	--	0.00255	--	0.00238 U	--
PCB-042	E1668C	--	0.157	--	0.287	--
PCB-043	E1668C	--	0.00939	--	0.00802	--
PCB-044/047/065	E1668C	--	2.16	--	2.33	--
PCB-045	E1668C	--	0.000801 U	--	0.0362	--
PCB-046	E1668C	--	0.0778	--	0.11	--
PCB-048	E1668C	--	0.00682	--	0.00185 U	--
PCB-049/069	E1668C	--	1.45	--	1.7	--
PCB-050/053	E1668C	--	0.852	--	0.81	--
PCB-051	E1668C	--	0.841	--	0.517	--
PCB-052	E1668C	--	1.1	--	1.67	--
PCB-054	E1668C	--	0.128	--	0.0388	--
PCB-055	E1668C	--	0.0022 U	--	0.00234 U	--
PCB-056	E1668C	--	0.0286	--	0.0441	--
PCB-057	E1668C	--	0.00239 U	--	0.0112	--
PCB-058	E1668C	--	0.0143	--	0.00761	--
PCB-059/062/075	E1668C	--	0.089	--	0.0667	--
PCB-060	E1668C	--	0.00645	--	0.0097 J	--
PCB-061/070/074/076	E1668C	--	0.303	--	0.311	--
PCB-063	E1668C	--	0.0185	--	0.00827	--
PCB-064	E1668C	--	0.123	--	0.0968	--
PCB-066	E1668C	--	0.316	--	0.233	--
PCB-067	E1668C	--	0.008	--	0.011	--
PCB-068	E1668C	--	0.0642	--	0.0608	--
PCB-072	E1668C	--	0.0609	--	0.0554	--
PCB-073	E1668C	--	0.0434	--	0.0633	--
PCB-077	E1668C	--	0.0338	--	0.0207	--
PCB-078	E1668C	--	0.00239 U	--	0.00261 U	--
PCB-079	E1668C	--	0.0172	--	0.00927	--
PCB-080	E1668C	--	0.0023 U	--	0.00244 U	--
PCB-081	E1668C	--	0.00266 U	--	0.00264 U	--
PCB-082	E1668C	--	0.137	--	0.0832	--
PCB-083	E1668C	--	0.156	--	0.147	--
PCB-084	E1668C	--	0.495	--	0.392	--
PCB-085/116	E1668C	--	0.485	--	0.206	--
PCB-086/087/097/109/119/125	E1668C	--	1.57	--	0.877	--
PCB-088	E1668C	--	0.0308 U	--	0.0146 U	--
PCB-089	E1668C	--	0.0254 U	--	0.014 U	--
PCB-090/101/113	E1668C	--	3.98	--	2.43	--
PCB-091	E1668C	--	0.809	--	1.32	--
PCB-092	E1668C	--	1.54	--	1.23	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST112-PW10-080422 10/27/2022	ST112-PW10-080422 8/4/2022 1–2.75 ft	HR-SPME-ST122-PW11-080522 10/27/2022	ST122-PW11-080522 8/5/2022 1–2.75 ft	HR-SPME-ST-134-PW12-080522 10/27/2022
PCB-034	E1668C	--	0.00982	--	0.0392	--
PCB-035	E1668C	--	0.0176 J	--	0.0259	--
PCB-036	E1668C	--	0.00387 U	--	0.0109	--
PCB-037	E1668C	--	0.472	--	0.54	--
PCB-038	E1668C	--	0.0148	--	0.0202	--
PCB-039	E1668C	--	0.015	--	0.0182	--
PCB-040/071	E1668C	--	4.56	--	11.5 J	--
PCB-041	E1668C	--	0.0969	--	0.0692	--
PCB-042	E1668C	--	2.68	--	6.96 J	--
PCB-043	E1668C	--	0.103	--	0.181	--
PCB-044/047/065	E1668C	--	38.4 J	--	48.4 J	--
PCB-045	E1668C	--	0.00261 U	--	0.401	--
PCB-046	E1668C	--	0.915	--	2.64	--
PCB-048	E1668C	--	0.312	--	0.25	--
PCB-049/069	E1668C	--	31 J	--	50.1 J	--
PCB-050/053	E1668C	--	13.3 J	--	20.7 J	--
PCB-051	E1668C	--	15.6 J	--	15.7 J	--
PCB-052	E1668C	--	34.9 J	--	53.6 J	--
PCB-054	E1668C	--	2.78	--	2.38	--
PCB-055	E1668C	--	0.0599 U	--	0.0312 U	--
PCB-056	E1668C	--	1.12	--	0.772	--
PCB-057	E1668C	--	0.0635	--	0.679	--
PCB-058	E1668C	--	0.0578 U	--	0.174	--
PCB-059/062/075	E1668C	--	1.16	--	1.83	--
PCB-060	E1668C	--	0.286	--	0.226	--
PCB-061/070/074/076	E1668C	--	9.99	--	8.28	--
PCB-063	E1668C	--	0.147	--	0.312	--
PCB-064	E1668C	--	2.26	--	2.63	--
PCB-066	E1668C	--	6.44 J	--	6.93 J	--
PCB-067	E1668C	--	0.394	--	0.81	--
PCB-068	E1668C	--	0.585	--	1.48	--
PCB-072	E1668C	--	0.568	--	1.62	--
PCB-073	E1668C	--	0.893	--	1.24	--
PCB-077	E1668C	--	0.426	--	0.386	--
PCB-078	E1668C	--	0.065 U	--	0.0348 U	--
PCB-079	E1668C	--	0.385	--	0.312	--
PCB-080	E1668C	--	0.0625 U	--	0.0325 U	--
PCB-081	E1668C	--	0.0724 U	--	0.0352 U	--
PCB-082	E1668C	--	3.26	--	3.03	--
PCB-083	E1668C	--	3.03	--	4.93 J	--
PCB-084	E1668C	--	11.9 J	--	16.9 J	--
PCB-085/116	E1668C	--	6.65	--	6.41	--
PCB-086/087/097/109/119/125	E1668C	--	34.5 J	--	36.2 J	--
PCB-088	E1668C	--	0.60 U	--	0.851 U	--
PCB-089	E1668C	--	0.494 U	--	0.812 U	--
PCB-090/101/113	E1668C	--	116 J	--	93.3 J	--
PCB-091	E1668C	--	16.8 J	--	33.4 J	--
PCB-092	E1668C	--	23.3 J	--	35.5 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST134-PW12-080522 8/5/2022 1–2.6 ft	HR-SPME-ST152-PW14-080522 10/27/2022	ST152-PW14-080522 8/5/2022 1–1.62 ft	HR-SPME-ST167-PW15-080822 10/27/2022	ST167-PW15-080822 8/8/2022 1–2.2 ft
PCB-034	E1668C	0.0154	--	0.00288 J	--	0.0149
PCB-035	E1668C	0.00969	--	0.00824	--	0.0666
PCB-036	E1668C	0.00121 U	--	0.00128 U	--	0.00397 U
PCB-037	E1668C	0.496	--	0.274	--	1.28
PCB-038	E1668C	0.00594	--	0.00603 J	--	0.0178 J
PCB-039	E1668C	0.00653	--	0.00752	--	0.0363
PCB-040/071	E1668C	3.66	--	2.04	--	4.31
PCB-041	E1668C	0.0216	--	0.0737	--	0.124
PCB-042	E1668C	1.03	--	1.1	--	3.9
PCB-043	E1668C	0.0419	--	0.0426	--	0.11
PCB-044/047/065	E1668C	27.4 J	--	20.3 J	--	18.7 J
PCB-045	E1668C	1.16	--	0.233	--	0.704
PCB-046	E1668C	0.619	--	0.324	--	0.666
PCB-048	E1668C	0.0916	--	0.232	--	0.688
PCB-049/069	E1668C	15.6 J	--	12.7 J	--	22.3 J
PCB-050/053	E1668C	12.2 J	--	5.23	--	2.46
PCB-051	E1668C	17.5 J	--	6.87 J	--	0.856
PCB-052	E1668C	7.59 J	--	12.6 J	--	40.8 J
PCB-054	E1668C	4.04	--	1.74	--	0.0519
PCB-055	E1668C	0.0107	--	0.0172 U	--	0.193 U
PCB-056	E1668C	0.247	--	0.719	--	1.98
PCB-057	E1668C	0.0143	--	0.0189 U	--	0.213 U
PCB-058	E1668C	0.0292	--	0.0168 U	--	0.19 U
PCB-059/062/075	E1668C	0.553	--	0.504	--	0.96
PCB-060	E1668C	0.061	--	0.182	--	0.391
PCB-061/070/074/076	E1668C	2.3	--	5.62	--	11.9
PCB-063	E1668C	0.13	--	0.0752	--	0.226 U
PCB-064	E1668C	0.481	--	1.01	--	2.7
PCB-066	E1668C	2.55	--	3.69	--	9.2 J
PCB-067	E1668C	0.138	--	0.181	--	0.633
PCB-068	E1668C	0.423	--	0.322	--	0.608
PCB-072	E1668C	0.182	--	0.203	--	1.21
PCB-073	E1668C	0.529	--	0.457	--	0.15
PCB-077	E1668C	0.176	--	0.254	--	1.61
PCB-078	E1668C	0.00814 U	--	0.0192 U	--	0.208 U
PCB-079	E1668C	0.0574	--	0.14	--	0.905
PCB-080	E1668C	0.0076 U	--	0.0179 U	--	0.199 U
PCB-081	E1668C	0.00823 U	--	0.0194 U	--	0.232 U
PCB-082	E1668C	0.374	--	1.76	--	8.11 J
PCB-083	E1668C	0.513	--	1.45	--	7 J
PCB-084	E1668C	1.86	--	6.09 J	--	33.2 J
PCB-085/116	E1668C	0.749	--	3.83	--	16.5 J
PCB-086/087/097/109/119/125	E1668C	6.72	--	20.2	--	81.2 J
PCB-088	E1668C	0.0953 U	--	0.371 U	--	1.48 U
PCB-089	E1668C	0.091 U	--	0.354 U	--	1.2 U
PCB-090/101/113	E1668C	22.9 J	--	75.9 J	--	314 J
PCB-091	E1668C	8.1 J	--	11.4 J	--	23.5 J
PCB-092	E1668C	5.4 J	--	13.4 J	--	87.4 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST177-PW16-080822 10/27/2022	ST177-PW16-080822 8/8/2022 1–2.45 ft	HR-SPME-ST18-PW1-080922 10/27/2022	ST18-PW1-080922 8/9/2022 1–1.65 ft	HR-SPME-ST190-PW17-080822 10/27/2022
PCB-034	E1668C	--	0.0498	--	0.034	--
PCB-035	E1668C	--	0.0121 U	--	0.0372	--
PCB-036	E1668C	--	1.3	--	0.00728 U	--
PCB-037	E1668C	--	0.868	--	0.414	--
PCB-038	E1668C	--	0.0115 U	--	0.0122 J	--
PCB-039	E1668C	--	0.0117 U	--	0.0223	--
PCB-040/071	E1668C	--	9.99	--	3.12	--
PCB-041	E1668C	--	0.00558 U	--	0.0715	--
PCB-042	E1668C	--	3.72	--	3.85	--
PCB-043	E1668C	--	0.0045 U	--	0.094	--
PCB-044/047/065	E1668C	--	121 J	--	29.9 J	--
PCB-045	E1668C	--	0.00567 U	--	0.316	--
PCB-046	E1668C	--	1.67	--	0.831	--
PCB-048	E1668C	--	0.00459 U	--	0.432	--
PCB-049/069	E1668C	--	62.2 J	--	31.4 J	--
PCB-050/053	E1668C	--	56.9 J	--	8.35	--
PCB-051	E1668C	--	98.9 J	--	6.17 J	--
PCB-052	E1668C	--	24.2 J	--	56.8 J	--
PCB-054	E1668C	--	12.9 J	--	2.23	--
PCB-055	E1668C	--	0.016 U	--	0.135	--
PCB-056	E1668C	--	0.261	--	3.21	--
PCB-057	E1668C	--	0.0176 U	--	0.422	--
PCB-058	E1668C	--	0.251	--	0.146	--
PCB-059/062/075	E1668C	--	1.72	--	1.75	--
PCB-060	E1668C	--	0.0919	--	0.442	--
PCB-061/070/074/076	E1668C	--	2.65	--	24.8 J	--
PCB-063	E1668C	--	0.447	--	0.536	--
PCB-064	E1668C	--	0.567	--	4.62	--
PCB-066	E1668C	--	4.88	--	10.6 J	--
PCB-067	E1668C	--	0.52	--	2.3	--
PCB-068	E1668C	--	1.75	--	0.735	--
PCB-072	E1668C	--	0.497	--	1.38	--
PCB-073	E1668C	--	0.00321 U	--	0.37	--
PCB-077	E1668C	--	0.124	--	0.375	--
PCB-078	E1668C	--	0.0172 U	--	0.0266 U	--
PCB-079	E1668C	--	0.0538	--	0.381	--
PCB-080	E1668C	--	0.0164 U	--	0.0254 U	--
PCB-081	E1668C	--	0.0192 U	--	0.0297 U	--
PCB-082	E1668C	--	0.342	--	5.43	--
PCB-083	E1668C	--	0.119 U	--	4.95	--
PCB-084	E1668C	--	1.74	--	25.7 J	--
PCB-085/116	E1668C	--	0.0923 U	--	8.07	--
PCB-086/087/097/109/119/125	E1668C	--	9.52	--	40 J	--
PCB-088	E1668C	--	0.131 U	--	0.338 U	--
PCB-089	E1668C	--	0.106 U	--	0.274 U	--
PCB-090/101/113	E1668C	--	28.5 J	--	82.8 J	--
PCB-091	E1668C	--	9.3 J	--	12 J	--
PCB-092	E1668C	--	6.05 J	--	18.5 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST190-PW17-080822 8/8/2022 1–2.6 ft	HR-SPME-ST197-PW18-080822 10/27/2022	ST197-PW18-080822 8/8/2022 1–2.45 ft	HR-SPME-ST-215-PW19-080822 10/27/2022	ST215-PW19-080822 8/8/2022 1–2.7 ft
PCB-034	E1668C	0.346	--	0.00174	--	0.113
PCB-035	E1668C	0.0852 J	--	0.00888	--	0.191
PCB-036	E1668C	4.72	--	0.000837 U	--	0.014 U
PCB-037	E1668C	14.2 J	--	0.227	--	3.7
PCB-038	E1668C	0.131 J	--	0.00165 J	--	0.0454
PCB-039	E1668C	0.473	--	0.00373	--	0.107
PCB-040/071	E1668C	37 J	--	0.444	--	8.35
PCB-041	E1668C	0.751	--	0.0408	--	0.42
PCB-042	E1668C	10.7 J	--	0.365	--	6.91 J
PCB-043	E1668C	2.01	--	0.0239	--	0.341
PCB-044/047/065	E1668C	765 J	--	2.99	--	55.8 J
PCB-045	E1668C	0.0263 U	--	0.109	--	1.45
PCB-046	E1668C	6.96 J	--	0.0724	--	1.55
PCB-048	E1668C	16.3 J	--	0.114	--	1.76
PCB-049/069	E1668C	185 J	--	2.38	--	53.2 J
PCB-050/053	E1668C	153 J	--	0.65	--	16.4 J
PCB-051	E1668C	261 J	--	0.642	--	15.5 J
PCB-052	E1668C	65.5 J	--	3.64	--	60.5 J
PCB-054	E1668C	239 J	--	0.106	--	2.8
PCB-055	E1668C	0.203 U	--	0.00871 U	--	0.222 U
PCB-056	E1668C	4.04	--	0.24	--	4.22
PCB-057	E1668C	0.218 U	--	0.00947 U	--	0.549
PCB-058	E1668C	0.193 U	--	0.0272	--	0.212 U
PCB-059/062/075	E1668C	8.17	--	0.121	--	2.36
PCB-060	E1668C	2.03	--	0.0604	--	0.899
PCB-061/070/074/076	E1668C	46.7 J	--	1.61	--	26.9 J
PCB-063	E1668C	1.26	--	0.0182	--	0.865
PCB-064	E1668C	5.53 J	--	0.387	--	6.13 J
PCB-066	E1668C	28.5 J	--	0.967	--	17 J
PCB-067	E1668C	5.3 J	--	0.0568	--	1.53
PCB-068	E1668C	8.55 J	--	0.064	--	1.18
PCB-072	E1668C	2.81	--	0.0708	--	1.42
PCB-073	E1668C	37.8 J	--	0.0493	--	0.946
PCB-077	E1668C	4.5	--	0.0958	--	1.96
PCB-078	E1668C	0.219 U	--	0.00945 U	--	0.236 U
PCB-079	E1668C	1.47	--	0.049	--	0.737
PCB-080	E1668C	0.204 U	--	0.0091 U	--	0.229 U
PCB-081	E1668C	0.249 U	--	0.0105 U	--	0.273 U
PCB-082	E1668C	11.4 J	--	0.457	--	5.44 J
PCB-083	E1668C	5.37 J	--	0.375	--	6.44 J
PCB-084	E1668C	26.8 J	--	1.92	--	28.7 J
PCB-085/116	E1668C	27.2 J	--	1.04	--	11.9 J
PCB-086/087/097/109/119/125	E1668C	140 J	--	4.62	--	76.9 J
PCB-088	E1668C	7.02 U	--	0.0968 U	--	1.54 U
PCB-089	E1668C	6.75 U	--	0.0796 U	--	1.23 U
PCB-090/101/113	E1668C	434 J	--	14.4 J	--	347 J
PCB-091	E1668C	99 J	--	2.12	--	41.2 J
PCB-092	E1668C	53.2 J	--	3.53	--	99.6 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST230-PW20-080822 10/27/2022	ST230-PW20-080822 8/8/2022 1–2.8 ft	HR-SPME-ST33-PW-2-080322 10/26/2022	ST33-PW-2-080322 8/3/2022 1–2.05 ft	HR-SPME-ST43-PW-3-080322 10/26/2022
PCB-034	E1668C	--	0.0124 J	--	0.0182	--
PCB-035	E1668C	--	0.0665	--	0.0509	--
PCB-036	E1668C	--	0.00956 U	--	0.00388	--
PCB-037	E1668C	--	2.06	--	1.36	--
PCB-038	E1668C	--	0.0276	--	0.00493 J	--
PCB-039	E1668C	--	0.0507	--	0.0126	--
PCB-040/071	E1668C	--	9.19	--	1.85	--
PCB-041	E1668C	--	0.542	--	0.000863 U	--
PCB-042	E1668C	--	5.67 J	--	1.67	--
PCB-043	E1668C	--	0.251	--	0.00063 U	--
PCB-044/047/065	E1668C	--	79.9 J	--	10.2	--
PCB-045	E1668C	--	0.851	--	0.186	--
PCB-046	E1668C	--	1.99	--	0.23	--
PCB-048	E1668C	--	1.27	--	0.223	--
PCB-049/069	E1668C	--	59.1 J	--	11.5 J	--
PCB-050/053	E1668C	--	21.9 J	--	1.93	--
PCB-051	E1668C	--	24.9 J	--	1.51	--
PCB-052	E1668C	--	66.6 J	--	17.7 J	--
PCB-054	E1668C	--	2.51	--	0.277	--
PCB-055	E1668C	--	0.0977 U	--	0.0556	--
PCB-056	E1668C	--	3.03	--	0.971	--
PCB-057	E1668C	--	0.107 U	--	0.0663	--
PCB-058	E1668C	--	0.0931 U	--	0.0943	--
PCB-059/062/075	E1668C	--	2.23	--	0.617	--
PCB-060	E1668C	--	1.01	--	0.267	--
PCB-061/070/074/076	E1668C	--	22.7 J	--	8.94	--
PCB-063	E1668C	--	0.284	--	0.169	--
PCB-064	E1668C	--	4.98	--	1.91	--
PCB-066	E1668C	--	14.1 J	--	5.63 J	--
PCB-067	E1668C	--	0.699	--	0.909	--
PCB-068	E1668C	--	1.01	--	0.361	--
PCB-072	E1668C	--	0.726	--	0.502	--
PCB-073	E1668C	--	1.48	--	0.000469 U	--
PCB-077	E1668C	--	1.15	--	0.503	--
PCB-078	E1668C	--	0.104 U	--	0.0293 U	--
PCB-079	E1668C	--	0.505	--	0.16	--
PCB-080	E1668C	--	0.101 U	--	0.0274 U	--
PCB-081	E1668C	--	0.12 U	--	0.0297 U	--
PCB-082	E1668C	--	4.65	--	1.63	--
PCB-083	E1668C	--	3.19	--	1.79	--
PCB-084	E1668C	--	21.6 J	--	6.66 J	--
PCB-085/116	E1668C	--	7.01	--	3.21	--
PCB-086/087/097/109/119/125	E1668C	--	64 J	--	17.7	--
PCB-088	E1668C	--	1.26 U	--	0.353 U	--
PCB-089	E1668C	--	1.01 U	--	0.337 U	--
PCB-090/101/113	E1668C	--	350 J	--	57.6 J	--
PCB-091	E1668C	--	37.4 J	--	8.74 J	--
PCB-092	E1668C	--	47.5 J	--	13 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST43-PW-3-080322 8/3/2022 1–1.85 ft	HR-SPME-ST53-PW-4-080322 10/26/2022	ST53-PW-4-080322 8/3/2022 1–2.4 ft	HR-SPME-ST69-PW-5-080322 10/26/2022	ST69-PW-5-080322 8/3/2022 1–2.6 ft
PCB-034	E1668C	0.745	--	0.00137	--	0.0103
PCB-035	E1668C	0.172	--	0.00626	--	0.0399
PCB-036	E1668C	0.0151 U	--	0.00186 J	--	0.00386 U
PCB-037	E1668C	2.07	--	0.0547	--	1.14
PCB-038	E1668C	0.1	--	0.00192	--	0.0153
PCB-039	E1668C	0.179	--	0.00303	--	0.0263
PCB-040/071	E1668C	21.3 J	--	0.907	--	3.88
PCB-041	E1668C	0.00547 U	--	0.013	--	0.143
PCB-042	E1668C	17.5 J	--	0.705	--	4.04
PCB-043	E1668C	0.00399 U	--	0.0113	--	0.117
PCB-044/047/065	E1668C	188 J	--	7.4	--	33.8 J
PCB-045	E1668C	11.2 J	--	0.151	--	0.855
PCB-046	E1668C	19.8 J	--	0.293	--	0.675
PCB-048	E1668C	0.657	--	0.0567	--	0.516
PCB-049/069	E1668C	187 J	--	5.97	--	35 J
PCB-050/053	E1668C	133 J	--	3.32	--	6.84
PCB-051	E1668C	116 J	--	3.14	--	6.74 J
PCB-052	E1668C	192 J	--	9.45 J	--	57 J
PCB-054	E1668C	46.6 J	--	0.735	--	0.831
PCB-055	E1668C	0.109 U	--	0.00504	--	0.0542 U
PCB-056	E1668C	1.76	--	0.162	--	1.53
PCB-057	E1668C	2.06	--	0.00318 J	--	0.113
PCB-058	E1668C	0.587	--	0.0101	--	0.0921
PCB-059/062/075	E1668C	10.6	--	0.185	--	1.14
PCB-060	E1668C	0.382	--	0.0246	--	0.436
PCB-061/070/074/076	E1668C	23.2 J	--	1.77	--	13.1
PCB-063	E1668C	3.13	--	0.0129	--	0.146
PCB-064	E1668C	6.34 J	--	0.411	--	3.05
PCB-066	E1668C	19.8 J	--	1.16	--	8.15 J
PCB-067	E1668C	3.18	--	0.118	--	0.645
PCB-068	E1668C	8.95 J	--	0.097	--	0.621
PCB-072	E1668C	8.74 J	--	0.119	--	0.798
PCB-073	E1668C	14.5 J	--	0.167	--	0.51
PCB-077	E1668C	1.03	--	0.0724	--	0.748
PCB-078	E1668C	0.122 U	--	0.0022 U	--	0.0575 U
PCB-079	E1668C	0.71	--	0.0479	--	0.389
PCB-080	E1668C	0.113 U	--	0.00205 U	--	0.0558 U
PCB-081	E1668C	0.123 U	--	0.00222 U	--	0.0664 U
PCB-082	E1668C	3.89	--	0.411	--	3.34
PCB-083	E1668C	6.72 J	--	0.28	--	3.44
PCB-084	E1668C	25.2 J	--	2.71	--	18.7 J
PCB-085/116	E1668C	5.98	--	0.693	--	5.73
PCB-086/087/097/109/119/125	E1668C	46.3 J	--	3.87	--	40 J
PCB-088	E1668C	0.866 U	--	0.0631 U	--	0.978 U
PCB-089	E1668C	0.827 U	--	0.0603 U	--	0.783 U
PCB-090/101/113	E1668C	135 J	--	12.8 J	--	160 J
PCB-091	E1668C	53.2 J	--	2.55	--	17.6 J
PCB-092	E1668C	73 J	--	2.5	--	30 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	DUP-080422 8/4/2022 1–2.03 ft	HR-SPME-DUP-080422 10/26/2022	HR-SPME-ST78-PW06-080422 10/26/2022	ST78-PW06-080422 8/4/2022 1–2.03 ft	HR-SPME-ST91-PW08-080422 10/26/2022
PCB-034	E1668C	0.00701 J	--	--	0.0118 J	--
PCB-035	E1668C	0.0084 J	--	--	0.0145 J	--
PCB-036	E1668C	0.00515 U	--	--	0.0014 U	--
PCB-037	E1668C	0.209 J	--	--	0.38 J	--
PCB-038	E1668C	0.00795 J	--	--	0.0134 J	--
PCB-039	E1668C	0.00985	--	--	0.0134	--
PCB-040/071	E1668C	1.78 J	--	--	3.07 J	--
PCB-041	E1668C	0.0344	--	--	0.0541	--
PCB-042	E1668C	1.26	--	--	1.95	--
PCB-043	E1668C	0.0504	--	--	0.0789	--
PCB-044/047/065	E1668C	17 J	--	--	33.1 J	--
PCB-045	E1668C	0.00546 U	--	--	0.000731 U	--
PCB-046	E1668C	0.48 J	--	--	0.916 J	--
PCB-048	E1668C	0.133 J	--	--	0.238 J	--
PCB-049/069	E1668C	14.3 J	--	--	25.4 J	--
PCB-050/053	E1668C	6.58 J	--	--	12.4 J	--
PCB-051	E1668C	7.26 J	--	--	15.6 J	--
PCB-052	E1668C	17.6 J	--	--	28.7 J	--
PCB-054	E1668C	1.11 J	--	--	2.33 J	--
PCB-055	E1668C	0.0251 U	--	--	0.0324 U	--
PCB-056	E1668C	0.45	--	--	0.726	--
PCB-057	E1668C	0.115	--	--	0.111	--
PCB-058	E1668C	0.0389	--	--	0.041	--
PCB-059/062/075	E1668C	0.564	--	--	0.897	--
PCB-060	E1668C	0.112 J	--	--	0.201 J	--
PCB-061/070/074/076	E1668C	4.05 J	--	--	7.16 J	--
PCB-063	E1668C	0.123	--	--	0.136	--
PCB-064	E1668C	0.839 J	--	--	1.45 J	--
PCB-066	E1668C	2.79	--	--	4.15	--
PCB-067	E1668C	0.246	--	--	0.345	--
PCB-068	E1668C	0.276 J	--	--	0.543 J	--
PCB-072	E1668C	0.309	--	--	0.483	--
PCB-073	E1668C	0.445 J	--	--	0.886 J	--
PCB-077	E1668C	0.189	--	--	0.232	--
PCB-078	E1668C	0.0267 U	--	--	0.0352 U	--
PCB-079	E1668C	0.125	--	--	0.173	--
PCB-080	E1668C	0.0258 U	--	--	0.0338 U	--
PCB-081	E1668C	0.0308 U	--	--	0.0391 U	--
PCB-082	E1668C	0.844 J	--	--	1.9 J	--
PCB-083	E1668C	0.825	--	--	1.29	--
PCB-084	E1668C	4.06 J	--	--	7.31 J	--
PCB-085/116	E1668C	1.65 J	--	--	3.36 J	--
PCB-086/087/097/109/119/125	E1668C	10.3 J	--	--	19 J	--
PCB-088	E1668C	0.241 U	--	--	0.446 U	--
PCB-089	E1668C	0.193 U	--	--	0.367 U	--
PCB-090/101/113	E1668C	37.2 J	--	--	57.7 J	--
PCB-091	E1668C	7.39 J	--	--	11.7 J	--
PCB-092	E1668C	10 J	--	--	13.8 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST91-PW08-080422 8/4/2022 1–2.35 ft	HR-SPME-ST99-PW09-080422 10/27/2022	ST99-PW09-080422 8/4/2022 1–2.15 ft
PCB-034	E1668C	0.0176	--	0.000848 U
PCB-035	E1668C	0.0465	--	0.000819 U
PCB-036	E1668C	0.00396 U	--	0.000718 U
PCB-037	E1668C	1.39	--	0.0211
PCB-038	E1668C	0.0236 J	--	0.000767 U
PCB-039	E1668C	0.027	--	0.00078 U
PCB-040/071	E1668C	7.15	--	0.153
PCB-041	E1668C	0.149	--	0.00202
PCB-042	E1668C	3.51	--	0.0619
PCB-043	E1668C	0.118	--	0.00236
PCB-044/047/065	E1668C	83.2 J	--	1.57
PCB-045	E1668C	0.00133 U	--	0.000828 U
PCB-046	E1668C	2.25	--	0.0275
PCB-048	E1668C	0.452	--	0.00673
PCB-049/069	E1668C	60.7 J	--	0.944
PCB-050/053	E1668C	36.4 J	--	0.569
PCB-051	E1668C	49.2 J	--	0.709
PCB-052	E1668C	42.2 J	--	0.638
PCB-054	E1668C	6.56 J	--	0.162
PCB-055	E1668C	0.0238 U	--	0.00176 U
PCB-056	E1668C	1.06	--	0.0239
PCB-057	E1668C	0.0543	--	0.00191 U
PCB-058	E1668C	0.0229 U	--	0.0017 U
PCB-059/062/075	E1668C	1.57	--	0.0387
PCB-060	E1668C	0.307	--	0.00515 J
PCB-061/070/074/076	E1668C	8.35	--	0.198
PCB-063	E1668C	0.141	--	0.00559
PCB-064	E1668C	2.31	--	0.0426
PCB-066	E1668C	6.05 J	--	0.181
PCB-067	E1668C	0.445	--	0.0108
PCB-068	E1668C	0.714	--	0.0249
PCB-072	E1668C	0.485	--	0.0136
PCB-073	E1668C	2.06	--	0.0351
PCB-077	E1668C	0.395	--	0.0149
PCB-078	E1668C	0.0258 U	--	0.00191 U
PCB-079	E1668C	0.175	--	0.00777
PCB-080	E1668C	0.0248 U	--	0.00184 U
PCB-081	E1668C	0.0287 U	--	0.00213 U
PCB-082	E1668C	1.37	--	0.064
PCB-083	E1668C	1.32	--	0.0651
PCB-084	E1668C	6.36 J	--	0.23
PCB-085/116	E1668C	2.28	--	0.145
PCB-086/087/097/109/119/125	E1668C	17.7	--	0.791
PCB-088	E1668C	0.322 U	--	0.015 U
PCB-089	E1668C	0.265 U	--	0.0123 U
PCB-090/101/113	E1668C	64.3 J	--	2.75
PCB-091	E1668C	21.9 J	--	0.513
PCB-092	E1668C	12.5 J	--	0.527

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-MB-SPME-20220824 8/24/2022	HR-PW-SPME-C0-1-PRC-20220824 8/24/2022	HR-PW-SPME-C0-2-PRC-20220824 8/24/2022	HR-PW-SPME-C0-3-PRC-20220824 8/24/2022	HR-PW-SPME-C0-4-PRC-20220824 8/24/2022
PCB-093/100	E1668C	--	--	--	--	--
PCB-094	E1668C	--	--	--	--	--
PCB-095	E1668C	--	--	--	--	--
PCB-096	E1668C	--	--	--	--	--
PCB-098	E1668C	--	--	--	--	--
PCB-099	E1668C	--	--	--	--	--
PCB-102	E1668C	--	--	--	--	--
PCB-103	E1668C	--	--	--	--	--
PCB-104	E1668C	--	--	--	--	--
PCB-105	E1668C	--	--	--	--	--
PCB-106	E1668C	--	--	--	--	--
PCB-107	E1668C	--	--	--	--	--
PCB-108/124	E1668C	--	--	--	--	--
PCB-110	E1668C	--	--	--	--	--
PCB-111	E1668C	--	--	--	--	--
PCB-112	E1668C	--	--	--	--	--
PCB-114	E1668C	--	--	--	--	--
PCB-115	E1668C	--	--	--	--	--
PCB-117	E1668C	--	--	--	--	--
PCB-118	E1668C	--	--	--	--	--
PCB-120	E1668C	--	--	--	--	--
PCB-121	E1668C	--	--	--	--	--
PCB-122	E1668C	--	--	--	--	--
PCB-123	E1668C	--	--	--	--	--
PCB-126	E1668C	--	--	--	--	--
PCB-127	E1668C	--	--	--	--	--
PCB-128/166	E1668C	--	--	--	--	--
PCB-129/138/163	E1668C	--	--	--	--	--
PCB-130	E1668C	--	--	--	--	--
PCB-131	E1668C	--	--	--	--	--
PCB-132	E1668C	--	--	--	--	--
PCB-133	E1668C	--	--	--	--	--
PCB-134	E1668C	--	--	--	--	--
PCB-135/151	E1668C	--	--	--	--	--
PCB-136	E1668C	--	--	--	--	--
PCB-137	E1668C	--	--	--	--	--
PCB-139/140	E1668C	--	--	--	--	--
PCB-141	E1668C	--	--	--	--	--
PCB-142	E1668C	--	--	--	--	--
PCB-143	E1668C	--	--	--	--	--
PCB-144	E1668C	--	--	--	--	--
PCB-145	E1668C	--	--	--	--	--
PCB-146	E1668C	--	--	--	--	--
PCB-147/149	E1668C	--	--	--	--	--
PCB-148	E1668C	--	--	--	--	--
PCB-150	E1668C	--	--	--	--	--
PCB-152	E1668C	--	--	--	--	--
PCB-153/168	E1668C	--	--	--	--	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-SPME-C0-5-PRC-20220824 8/24/2022	BW5A1-PW07-080422 8/4/2022 1–3 ft	HR-SPME-BW5A1-PW07-080422 10/27/2022	BW5A-S-PW13-080522 8/5/2022 1–2.06 ft	HR-SPME-BW5A-5-PW13-080522 10/27/2022
PCB-093/100	E1668C	--	0.29	--	0.282	--
PCB-094	E1668C	--	0.129	--	0.238	--
PCB-095	E1668C	--	3.19	--	1.94	--
PCB-096	E1668C	--	0.0523	--	0.106	--
PCB-098	E1668C	--	0.0205	--	0.0128	--
PCB-099	E1668C	--	1.97	--	1.1	--
PCB-102	E1668C	--	0.0985	--	0.182	--
PCB-103	E1668C	--	0.211	--	0.215	--
PCB-104	E1668C	--	0.0201	--	0.0102	--
PCB-105	E1668C	--	0.453	--	0.202	--
PCB-106	E1668C	--	0.0171 U	--	0.00978 U	--
PCB-107	E1668C	--	0.188	--	0.0838	--
PCB-108/124	E1668C	--	0.0712	--	0.0336	--
PCB-110	E1668C	--	3.39	--	1.79	--
PCB-111	E1668C	--	0.0183 U	--	0.0119	--
PCB-112	E1668C	--	0.0161 U	--	0.00831 U	--
PCB-114	E1668C	--	0.0175 U	--	0.0105 U	--
PCB-115	E1668C	--	0.0169 U	--	0.00867 U	--
PCB-117	E1668C	--	0.0851	--	0.0566	--
PCB-118	E1668C	--	1.76	--	0.791	--
PCB-120	E1668C	--	0.0554	--	0.0231	--
PCB-121	E1668C	--	0.0171 U	--	0.0093 U	--
PCB-122	E1668C	--	0.0213 U	--	0.0128 U	--
PCB-123	E1668C	--	0.0277	--	0.0119	--
PCB-126	E1668C	--	0.00812	--	0.00312 U	--
PCB-127	E1668C	--	0.0165 U	--	0.0101 U	--
PCB-128/166	E1668C	--	0.887	--	0.493	--
PCB-129/138/163	E1668C	--	8.31	--	4.85	--
PCB-130	E1668C	--	0.655	--	0.308	--
PCB-131	E1668C	--	0.0542	--	0.0322	--
PCB-132	E1668C	--	2.25	--	1.24	--
PCB-133	E1668C	--	0.2	--	0.157	--
PCB-134	E1668C	--	0.469	--	0.281	--
PCB-135/151	E1668C	--	4	--	2.55	--
PCB-136	E1668C	--	1.22	--	0.859	--
PCB-137	E1668C	--	0.183	--	0.0916	--
PCB-139/140	E1668C	--	0.114	--	0.0681	--
PCB-141	E1668C	--	1.28	--	0.882	--
PCB-142	E1668C	--	0.00191 U	--	0.00495 U	--
PCB-143	E1668C	--	0.00156 U	--	0.00435 U	--
PCB-144	E1668C	--	0.336	--	0.188	--
PCB-145	E1668C	--	0.00122 U	--	0.00326 U	--
PCB-146	E1668C	--	1.65	--	0.928	--
PCB-147/149	E1668C	--	7.8	--	4.65	--
PCB-148	E1668C	--	0.0353	--	0.0412	--
PCB-150	E1668C	--	0.0379	--	0.0692	--
PCB-152	E1668C	--	0.0233	--	0.0348	--
PCB-153/168	E1668C	--	7.58	--	4.31	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST112-PW10-080422 10/27/2022	ST112-PW10-080422 8/4/2022 1–2.75 ft	HR-SPME-ST122-PW11-080522 10/27/2022	ST122-PW11-080522 8/5/2022 1–2.75 ft	HR-SPME-ST-134-PW12-080522 10/27/2022
PCB-093/100	E1668C	--	8.88	--	13.1 J	--
PCB-094	E1668C	--	2.21	--	4.65	--
PCB-095	E1668C	--	88.1 J	--	76.2 J	--
PCB-096	E1668C	--	1.39	--	2.82	--
PCB-098	E1668C	--	0.493 U	--	1.26	--
PCB-099	E1668C	--	28.6 J	--	39.4 J	--
PCB-102	E1668C	--	2.15	--	4.91 J	--
PCB-103	E1668C	--	5.01 J	--	8.48 J	--
PCB-104	E1668C	--	0.686	--	1.04	--
PCB-105	E1668C	--	13.2 J	--	8.33 J	--
PCB-106	E1668C	--	0.333 U	--	0.569 U	--
PCB-107	E1668C	--	2.49	--	3.23	--
PCB-108/124	E1668C	--	1.57	--	1.44	--
PCB-110	E1668C	--	68 J	--	69.5 J	--
PCB-111	E1668C	--	0.357 U	--	0.591 U	--
PCB-112	E1668C	--	0.313 U	--	0.484 U	--
PCB-114	E1668C	--	0.453 U	--	0.564 U	--
PCB-115	E1668C	--	0.328 U	--	0.504 U	--
PCB-117	E1668C	--	1.77	--	2.79	--
PCB-118	E1668C	--	43.3 J	--	35 J	--
PCB-120	E1668C	--	0.449	--	0.935	--
PCB-121	E1668C	--	0.333 U	--	0.541 U	--
PCB-122	E1668C	--	0.551 U	--	0.689 U	--
PCB-123	E1668C	--	0.651	--	0.574 U	--
PCB-126	E1668C	--	0.13	--	0.136	--
PCB-127	E1668C	--	0.393 U	--	0.521 U	--
PCB-128/166	E1668C	--	28.7 J	--	17.4 J	--
PCB-129/138/163	E1668C	--	256 J	--	172 J	--
PCB-130	E1668C	--	11.8 J	--	14.7 J	--
PCB-131	E1668C	--	1.97	--	2.14	--
PCB-132	E1668C	--	78.7 J	--	74.9 J	--
PCB-133	E1668C	--	4.59	--	7.44 J	--
PCB-134	E1668C	--	17 J	--	18.4 J	--
PCB-135/151	E1668C	--	155 J	--	132 J	--
PCB-136	E1668C	--	58.7 J	--	35.5 J	--
PCB-137	E1668C	--	3.72	--	5.22 J	--
PCB-139/140	E1668C	--	2.31	--	4.83	--
PCB-141	E1668C	--	80.1 J	--	64.6 J	--
PCB-142	E1668C	--	0.00687 U	--	0.00704 U	--
PCB-143	E1668C	--	0.00563 U	--	0.00619 U	--
PCB-144	E1668C	--	20.8 J	--	18 J	--
PCB-145	E1668C	--	0.00443 U	--	0.0561	--
PCB-146	E1668C	--	43.5 J	--	49.8 J	--
PCB-147/149	E1668C	--	255 J	--	170 J	--
PCB-148	E1668C	--	1.23	--	2.88	--
PCB-150	E1668C	--	1.72	--	2.44	--
PCB-152	E1668C	--	0.785	--	0.852	--
PCB-153/168	E1668C	--	250 J	--	151 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST134-PW12-080522 8/5/2022 1–2.6 ft	HR-SPME-ST152-PW14-080522 10/27/2022	ST152-PW14-080522 8/5/2022 1–1.62 ft	HR-SPME-ST167-PW15-080822 10/27/2022	ST167-PW15-080822 8/8/2022 1–2.2 ft
PCB-093/100	E1668C	6.52	--	7.78	--	2.61
PCB-094	E1668C	1.53	--	1.27	--	1.42 U
PCB-095	E1668C	13.6 J	--	55.6 J	--	256 J
PCB-096	E1668C	0.704	--	0.813	--	0.703
PCB-098	E1668C	0.33	--	0.226	--	1.03
PCB-099	E1668C	11.3 J	--	16.8 J	--	99.9 J
PCB-102	E1668C	1.8	--	1.49	--	3.81
PCB-103	E1668C	3.14	--	3.02	--	13.8 J
PCB-104	E1668C	0.97	--	0.781	--	0.0198
PCB-105	E1668C	1.52	--	6.17 J	--	16.1 J
PCB-106	E1668C	0.0637 U	--	0.248 U	--	0.779 U
PCB-107	E1668C	0.707	--	1.37	--	7.57 J
PCB-108/124	E1668C	0.203	--	0.883	--	2.94
PCB-110	E1668C	11.1 J	--	43.2 J	--	180 J
PCB-111	E1668C	0.0662 U	--	0.258 U	--	0.851 U
PCB-112	E1668C	0.0542 U	--	0.211 U	--	0.752 U
PCB-114	E1668C	0.0702 U	--	0.238 U	--	0.882 U
PCB-115	E1668C	0.0565 U	--	0.22 U	--	0.781 U
PCB-117	E1668C	1.05	--	1.04	--	1.49
PCB-118	E1668C	6.23 J	--	22.4 J	--	80.9 J
PCB-120	E1668C	0.2	--	0.258	--	2.95
PCB-121	E1668C	0.0937	--	0.236 U	--	0.796 U
PCB-122	E1668C	0.0859 U	--	0.292 U	--	1.06 U
PCB-123	E1668C	0.079	--	0.367	--	1.11
PCB-126	E1668C	0.0267	--	0.0587 J	--	0.561
PCB-127	E1668C	0.0663 U	--	0.238 U	--	0.729 U
PCB-128/166	E1668C	3.31	--	15.6 J	--	57.6 J
PCB-129/138/163	E1668C	35.1 J	--	151 J	--	475 J
PCB-130	E1668C	1.77	--	7.83 J	--	33.8 J
PCB-131	E1668C	0.227	--	1.32	--	4.38
PCB-132	E1668C	10.4 J	--	54.7 J	--	192 J
PCB-133	E1668C	1.11	--	3.06	--	12.9 J
PCB-134	E1668C	2.22	--	10.1 J	--	36.3 J
PCB-135/151	E1668C	21.7 J	--	97.5 J	--	356 J
PCB-136	E1668C	7.56 J	--	35.6 J	--	143 J
PCB-137	E1668C	0.62	--	2	--	6.35 J
PCB-139/140	E1668C	0.72	--	1.54	--	8.31
PCB-141	E1668C	8.8 J	--	53.7 J	--	164 J
PCB-142	E1668C	0.00384 U	--	0.00357 U	--	0.013 U
PCB-143	E1668C	0.00338 U	--	0.00314 U	--	0.0128 U
PCB-144	E1668C	2.1	--	13.7 J	--	48.1 J
PCB-145	E1668C	0.0107	--	0.0323	--	0.0827
PCB-146	E1668C	8.79 J	--	28.7 J	--	123 J
PCB-147/149	E1668C	40.4 J	--	148 J	--	497 J
PCB-148	E1668C	0.589	--	0.939	--	2.78
PCB-150	E1668C	0.715	--	1.15	--	2.46
PCB-152	E1668C	0.321	--	0.577	--	0.211
PCB-153/168	E1668C	38.4 J	--	135 J	--	462 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST177-PW16-080822 10/27/2022	ST177-PW16-080822 8/8/2022 1–2.45 ft	HR-SPME-ST18-PW1-080922 10/27/2022	ST18-PW1-080922 8/9/2022 1–1.65 ft	HR-SPME-ST190-PW17-080822 10/27/2022
PCB-093/100	E1668C	--	34.9 J	--	2.63	--
PCB-094	E1668C	--	4.88	--	0.67	--
PCB-095	E1668C	--	11.2 J	--	80.3 J	--
PCB-096	E1668C	--	1.29	--	0.525	--
PCB-098	E1668C	--	2.71	--	0.267 U	--
PCB-099	E1668C	--	11 J	--	36 J	--
PCB-102	E1668C	--	0.0918 U	--	2.14	--
PCB-103	E1668C	--	11.4 J	--	2.3	--
PCB-104	E1668C	--	3.83	--	0.152	--
PCB-105	E1668C	--	1.32	--	12.1 J	--
PCB-106	E1668C	--	0.0691 U	--	0.178 U	--
PCB-107	E1668C	--	0.436	--	2.99	--
PCB-108/124	E1668C	--	0.159	--	1.48	--
PCB-110	E1668C	--	8.26 J	--	83.8 J	--
PCB-111	E1668C	--	0.0755 U	--	0.195 U	--
PCB-112	E1668C	--	0.0667 U	--	0.172 U	--
PCB-114	E1668C	--	0.0787 U	--	0.583	--
PCB-115	E1668C	--	0.0692 U	--	0.179 U	--
PCB-117	E1668C	--	2.63	--	1.82	--
PCB-118	E1668C	--	5.14	--	44.4 J	--
PCB-120	E1668C	--	0.117	--	0.329	--
PCB-121	E1668C	--	0.447	--	0.182 U	--
PCB-122	E1668C	--	0.0943 U	--	0.373	--
PCB-123	E1668C	--	0.109	--	0.496	--
PCB-126	E1668C	--	0.0175 J	--	0.0765	--
PCB-127	E1668C	--	0.0803 U	--	0.196 U	--
PCB-128/166	E1668C	--	2.68	--	8	--
PCB-129/138/163	E1668C	--	30.8 J	--	55.7 J	--
PCB-130	E1668C	--	1.23	--	3.76	--
PCB-131	E1668C	--	0.195	--	0.708	--
PCB-132	E1668C	--	7.43 J	--	19.1 J	--
PCB-133	E1668C	--	1.13	--	0.936	--
PCB-134	E1668C	--	1.43	--	4.09	--
PCB-135/151	E1668C	--	19.2 J	--	21.1 J	--
PCB-136	E1668C	--	5.75 J	--	9.41 J	--
PCB-137	E1668C	--	1.06	--	2.68	--
PCB-139/140	E1668C	--	0.733	--	1.2	--
PCB-141	E1668C	--	6.87 J	--	7.1 J	--
PCB-142	E1668C	--	0.00846 U	--	0.017 U	--
PCB-143	E1668C	--	0.00832 U	--	0.0167 U	--
PCB-144	E1668C	--	2.1	--	1.98	--
PCB-145	E1668C	--	0.0221	--	0.0103 U	--
PCB-146	E1668C	--	5.35	--	7.72 J	--
PCB-147/149	E1668C	--	42 J	--	51.6 J	--
PCB-148	E1668C	--	1.17	--	0.311	--
PCB-150	E1668C	--	1.04	--	0.348	--
PCB-152	E1668C	--	0.76	--	0.145	--
PCB-153/168	E1668C	--	32.8 J	--	41 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST190-PW17-080822 8/8/2022 1–2.6 ft	HR-SPME-ST197-PW18-080822 10/27/2022	ST197-PW18-080822 8/8/2022 1–2.45 ft	HR-SPME-ST-215-PW19-080822 10/27/2022	ST215-PW19-080822 8/8/2022 1–2.7 ft
PCB-093/100	E1668C	233 J	--	1.01	--	11.3 J
PCB-094	E1668C	31.7 J	--	0.16	--	6.29 J
PCB-095	E1668C	179 J	--	11.6 J	--	246 J
PCB-096	E1668C	17.5 J	--	0.121	--	3.43
PCB-098	E1668C	6.11 U	--	0.0617	--	1.91
PCB-099	E1668C	199 J	--	5.01 J	--	111 J
PCB-102	E1668C	71.9 J	--	0.184	--	4.9 J
PCB-103	E1668C	38.8 J	--	0.528	--	19.8 J
PCB-104	E1668C	31.4 J	--	0.064	--	0.602
PCB-105	E1668C	114 J	--	1.29	--	16.9 J
PCB-106	E1668C	4.82 U	--	0.0537 U	--	0.799 U
PCB-107	E1668C	12.9 J	--	0.329	--	10.4 J
PCB-108/124	E1668C	6.68	--	0.19	--	2.75
PCB-110	E1668C	239 J	--	11.1 J	--	162 J
PCB-111	E1668C	4.92 U	--	0.0575 U	--	0.887 U
PCB-112	E1668C	4.1 U	--	0.0505 U	--	0.757 U
PCB-114	E1668C	5.72 U	--	0.0569 U	--	1.53
PCB-115	E1668C	4.16 U	--	0.0529 U	--	0.785 U
PCB-117	E1668C	10.3 J	--	0.24	--	2.26
PCB-118	E1668C	249 J	--	4.91 J	--	79.8 J
PCB-120	E1668C	4.01 U	--	0.136	--	3.05
PCB-121	E1668C	4.57 U	--	0.0537 U	--	0.834 U
PCB-122	E1668C	6.72 U	--	0.0692 U	--	1.24 U
PCB-123	E1668C	5.0 U	--	0.0844	--	0.853 U
PCB-126	E1668C	1.41	--	0.0382 J	--	0.823 J
PCB-127	E1668C	3.66 U	--	0.0545 U	--	0.77 U
PCB-128/166	E1668C	195 J	--	6.04	--	51.8 J
PCB-129/138/163	E1668C	575 J	--	57.6 J	--	468 J
PCB-130	E1668C	18.6 J	--	3.36	--	28.1 J
PCB-131	E1668C	3.22	--	0.379	--	3
PCB-132	E1668C	122 J	--	18.3 J	--	152 J
PCB-133	E1668C	7.07 J	--	1.15	--	12.4 J
PCB-134	E1668C	17.5 J	--	3.76	--	27.1 J
PCB-135/151	E1668C	246 J	--	32.3 J	--	303 J
PCB-136	E1668C	192 J	--	10.2 J	--	190 J
PCB-137	E1668C	10.3 J	--	1.07	--	4.65
PCB-139/140	E1668C	4.68	--	0.636	--	6.39
PCB-141	E1668C	157 J	--	15.2 J	--	134 J
PCB-142	E1668C	0.53	--	0.00232 U	--	0.0155 U
PCB-143	E1668C	7.86 J	--	0.0019 U	--	0.0145 U
PCB-144	E1668C	32.1 J	--	3.88	--	33.1 J
PCB-145	E1668C	1.98	--	0.00708	--	0.114
PCB-146	E1668C	77.2 J	--	10.8 J	--	113 J
PCB-147/149	E1668C	533 J	--	55.6 J	--	475 J
PCB-148	E1668C	2.8	--	0.261	--	3.03
PCB-150	E1668C	9.59 J	--	0.308	--	5.14 J
PCB-152	E1668C	16.2 J	--	0.128	--	1.61
PCB-153/168	E1668C	628 J	--	54.3 J	--	480 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST230-PW20-080822 10/27/2022	ST230-PW20-080822 8/8/2022 1–2.8 ft	HR-SPME-ST33-PW-2-080322 10/26/2022	ST33-PW-2-080322 8/3/2022 1–2.05 ft	HR-SPME-ST43-PW-3-080322 10/26/2022
PCB-093/100	E1668C	--	20.4 J	--	1.8	--
PCB-094	E1668C	--	4.76	--	0.632	--
PCB-095	E1668C	--	261 J	--	35.4 J	--
PCB-096	E1668C	--	3.32	--	0.598	--
PCB-098	E1668C	--	0.986 U	--	0.304	--
PCB-099	E1668C	--	51.4 J	--	24.9 J	--
PCB-102	E1668C	--	4.63	--	1.2	--
PCB-103	E1668C	--	10.3 J	--	2.53	--
PCB-104	E1668C	--	1.04	--	0.119	--
PCB-105	E1668C	--	19 J	--	6.36 J	--
PCB-106	E1668C	--	0.654 U	--	0.236 U	--
PCB-107	E1668C	--	4.12	--	2.59	--
PCB-108/124	E1668C	--	2.29	--	0.76	--
PCB-110	E1668C	--	148 J	--	42 J	--
PCB-111	E1668C	--	0.726 U	--	0.246 U	--
PCB-112	E1668C	--	0.619 U	--	0.201 U	--
PCB-114	E1668C	--	1.13	--	0.408	--
PCB-115	E1668C	--	0.642 U	--	0.209 U	--
PCB-117	E1668C	--	3.27	--	1.37	--
PCB-118	E1668C	--	62.7 J	--	30.2 J	--
PCB-120	E1668C	--	0.786	--	0.806	--
PCB-121	E1668C	--	0.683 U	--	0.225 U	--
PCB-122	E1668C	--	0.785 U	--	0.286 U	--
PCB-123	E1668C	--	0.868	--	0.249	--
PCB-126	E1668C	--	0.185	--	0.0921	--
PCB-127	E1668C	--	0.609 U	--	0.205 U	--
PCB-128/166	E1668C	--	73.3 J	--	9.69	--
PCB-129/138/163	E1668C	--	499 J	--	115 J	--
PCB-130	E1668C	--	16 J	--	9.26 J	--
PCB-131	E1668C	--	2.8	--	0.846	--
PCB-132	E1668C	--	140 J	--	39.8 J	--
PCB-133	E1668C	--	6.23 J	--	3.33	--
PCB-134	E1668C	--	20.8 J	--	7.95 J	--
PCB-135/151	E1668C	--	279 J	--	64.2 J	--
PCB-136	E1668C	--	177 J	--	24.9 J	--
PCB-137	E1668C	--	3.07	--	2.7	--
PCB-139/140	E1668C	--	2.03	--	2.73	--
PCB-141	E1668C	--	159 J	--	28.6 J	--
PCB-142	E1668C	--	0.0111 U	--	0.000564 U	--
PCB-143	E1668C	--	0.0104 U	--	0.000496 U	--
PCB-144	E1668C	--	37.2 J	--	6.77 J	--
PCB-145	E1668C	--	0.0103 U	--	0.0241	--
PCB-146	E1668C	--	74.2 J	--	31.1 J	--
PCB-147/149	E1668C	--	472 J	--	105 J	--
PCB-148	E1668C	--	1.29	--	1.08	--
PCB-150	E1668C	--	3.76	--	0.954	--
PCB-152	E1668C	--	2.39	--	0.219	--
PCB-153/168	E1668C	--	489 J	--	108 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST43-PW-3-080322 8/3/2022 1–1.85 ft	HR-SPME-ST53-PW-4-080322 10/26/2022	ST53-PW-4-080322 8/3/2022 1–2.4 ft	HR-SPME-ST69-PW-5-080322 10/26/2022	ST69-PW-5-080322 8/3/2022 1–2.6 ft
PCB-093/100	E1668C	52.6 J	--	0.567	--	7.62
PCB-094	E1668C	30.9 J	--	0.315	--	1.57
PCB-095	E1668C	85.7 J	--	18.4 J	--	140 J
PCB-096	E1668C	13.2 J	--	0.433	--	1.17
PCB-098	E1668C	2.91	--	0.0554 U	--	0.767 U
PCB-099	E1668C	61.6 J	--	3.73	--	32.8 J
PCB-102	E1668C	9.41 J	--	0.349	--	1.91
PCB-103	E1668C	31.2 J	--	0.7	--	5.75 J
PCB-104	E1668C	8.28 J	--	0.0966	--	0.36
PCB-105	E1668C	17.2 J	--	0.709	--	10.5 J
PCB-106	E1668C	0.579 U	--	0.0422 U	--	0.509 U
PCB-107	E1668C	7.35 J	--	0.209	--	2.63
PCB-108/124	E1668C	1.83	--	0.102	--	1.49
PCB-110	E1668C	92.1 J	--	9.24 J	--	89.7 J
PCB-111	E1668C	0.925	--	0.0439 U	--	0.565 U
PCB-112	E1668C	2.91	--	0.0359 U	--	0.482 U
PCB-114	E1668C	1.36	--	0.0459 U	--	0.604 U
PCB-115	E1668C	0.513 U	--	0.0374 U	--	0.499 U
PCB-117	E1668C	15 J	--	0.185	--	1.57
PCB-118	E1668C	69.5 J	--	3.57	--	45.3 J
PCB-120	E1668C	1.89	--	0.0941	--	0.642
PCB-121	E1668C	2.04	--	0.0401 U	--	0.531 U
PCB-122	E1668C	0.692 U	--	0.0562 U	--	0.718 U
PCB-123	E1668C	0.855	--	0.0426 U	--	0.543 U
PCB-126	E1668C	0.225	--	0.017	--	0.376
PCB-127	E1668C	0.528 U	--	0.0413 U	--	0.47 U
PCB-128/166	E1668C	21.7 J	--	1.51	--	26.7 J
PCB-129/138/163	E1668C	209 J	--	13.3 J	--	232 J
PCB-130	E1668C	17.2 J	--	0.872	--	9.52 J
PCB-131	E1668C	1.85	--	0.114	--	1.76
PCB-132	E1668C	63.8 J	--	5.76 J	--	75.9 J
PCB-133	E1668C	12.4 J	--	0.238	--	3.88
PCB-134	E1668C	20.6 J	--	0.982	--	12.7 J
PCB-135/151	E1668C	137 J	--	8.43	--	142 J
PCB-136	E1668C	47.5 J	--	3.71	--	71.6 J
PCB-137	E1668C	6.29 J	--	0.23	--	2.34
PCB-139/140	E1668C	5.91	--	0.242	--	2.18
PCB-141	E1668C	43 J	--	2.78	--	67.4 J
PCB-142	E1668C	0.00354 U	--	0.00165 U	--	0.00593 U
PCB-143	E1668C	0.00311 U	--	0.00145 U	--	0.00556 U
PCB-144	E1668C	10.1 J	--	0.822	--	17.9 J
PCB-145	E1668C	0.127	--	0.00328	--	0.0465
PCB-146	E1668C	56.7 J	--	2.84	--	39 J
PCB-147/149	E1668C	196 J	--	15.2 J	--	241 J
PCB-148	E1668C	6.71 J	--	0.063	--	1.21
PCB-150	E1668C	6.21 J	--	0.0607	--	1.91
PCB-152	E1668C	3.21	--	0.0295	--	0.846
PCB-153/168	E1668C	178 J	--	12.8 J	--	228 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	DUP-080422 8/4/2022 1–2.03 ft	HR-SPME-DUP-080422 10/26/2022	HR-SPME-ST78-PW06-080422 10/26/2022	ST78-PW06-080422 8/4/2022 1–2.03 ft	HR-SPME-ST91-PW08-080422 10/26/2022
PCB-093/100	E1668C	4.33 J	--	--	8.42 J	--
PCB-094	E1668C	0.228 UJ	--	--	2.38 J	--
PCB-095	E1668C	29 J	--	--	47 J	--
PCB-096	E1668C	0.821 J	--	--	1.39 J	--
PCB-098	E1668C	0.211	--	--	0.321	--
PCB-099	E1668C	12.4 J	--	--	16 J	--
PCB-102	E1668C	1.1 J	--	--	1.96 J	--
PCB-103	E1668C	2.83 J	--	--	4.78 J	--
PCB-104	E1668C	0.33 J	--	--	0.755 J	--
PCB-105	E1668C	3.47 J	--	--	6.59 J	--
PCB-106	E1668C	0.125 U	--	--	0.247 U	--
PCB-107	E1668C	1.22	--	--	1.39	--
PCB-108/124	E1668C	0.364 J	--	--	0.733 J	--
PCB-110	E1668C	21.4 J	--	--	33.2 J	--
PCB-111	E1668C	0.139 U	--	--	0.265 U	--
PCB-112	E1668C	0.119 U	--	--	0.233 U	--
PCB-114	E1668C	0.207	--	--	0.275 U	--
PCB-115	E1668C	0.123 U	--	--	0.244 U	--
PCB-117	E1668C	0.737 J	--	--	1.44 J	--
PCB-118	E1668C	12.9 J	--	--	21.2 J	--
PCB-120	E1668C	0.315	--	--	0.307	--
PCB-121	E1668C	0.131 U	--	--	0.248 U	--
PCB-122	E1668C	0.19 U	--	--	0.334 U	--
PCB-123	E1668C	0.134 U	--	--	0.265 U	--
PCB-126	E1668C	0.0382	--	--	0.0609 J	--
PCB-127	E1668C	0.115 U	--	--	0.261 U	--
PCB-128/166	E1668C	8.78	--	--	9.65	--
PCB-129/138/163	E1668C	91.2 J	--	--	101 J	--
PCB-130	E1668C	4.05	--	--	5.28	--
PCB-131	E1668C	0.496 J	--	--	0.847 J	--
PCB-132	E1668C	25.2 J	--	--	33.6 J	--
PCB-133	E1668C	1.98	--	--	3.13	--
PCB-134	E1668C	4.37 J	--	--	8 J	--
PCB-135/151	E1668C	51.1 J	--	--	70 J	--
PCB-136	E1668C	17.9 J	--	--	22.8 J	--
PCB-137	E1668C	0.674 J	--	--	1.62 J	--
PCB-139/140	E1668C	1.12 J	--	--	1.87 J	--
PCB-141	E1668C	22.4 J	--	--	28.6 J	--
PCB-142	E1668C	0.0142 U	--	--	0.00163 U	--
PCB-143	E1668C	0.0133 U	--	--	0.00134 U	--
PCB-144	E1668C	5.16 J	--	--	7.92 J	--
PCB-145	E1668C	0.0118 U	--	--	0.000843 U	--
PCB-146	E1668C	17.7 J	--	--	21.7 J	--
PCB-147/149	E1668C	94.2 J	--	--	106 J	--
PCB-148	E1668C	0.725 J	--	--	1.44 J	--
PCB-150	E1668C	0.828 J	--	--	1.48 J	--
PCB-152	E1668C	0.396	--	--	0.614	--
PCB-153/168	E1668C	95 J	--	--	93.7 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST91-PW08-080422 8/4/2022 1–2.35 ft	HR-SPME-ST99-PW09-080422 10/27/2022	ST99-PW09-080422 8/4/2022 1–2.15 ft
PCB-093/100	E1668C	14.8 J	--	0.433
PCB-094	E1668C	2.94	--	0.0777
PCB-095	E1668C	52.7 J	--	1.89
PCB-096	E1668C	2.8	--	0.0532
PCB-098	E1668C	0.467	--	0.0125
PCB-099	E1668C	17.4 J	--	0.797
PCB-102	E1668C	2.16	--	0.0817
PCB-103	E1668C	6.6 J	--	0.188
PCB-104	E1668C	1.11	--	0.0484
PCB-105	E1668C	4.42	--	0.252
PCB-106	E1668C	0.178 U	--	0.00832 U
PCB-107	E1668C	1.08	--	0.0562
PCB-108/124	E1668C	0.569	--	0.0324
PCB-110	E1668C	32.6 J	--	1.58
PCB-111	E1668C	0.191 U	--	0.00891 U
PCB-112	E1668C	0.101	--	0.00782 U
PCB-114	E1668C	0.183 U	--	0.00925 U
PCB-115	E1668C	0.176 U	--	0.0082 U
PCB-117	E1668C	1.98	--	0.0576
PCB-118	E1668C	17.5 J	--	0.966
PCB-120	E1668C	0.288	--	0.0163
PCB-121	E1668C	0.338	--	0.00832 U
PCB-122	E1668C	0.223 U	--	0.0112 U
PCB-123	E1668C	0.23	--	0.0141
PCB-126	E1668C	0.0727 J	--	0.00463
PCB-127	E1668C	0.168 U	--	0.00789 U
PCB-128/166	E1668C	9.39 J	--	0.605
PCB-129/138/163	E1668C	103 J	--	6.45
PCB-130	E1668C	4.6	--	0.281
PCB-131	E1668C	0.82	--	0.0396
PCB-132	E1668C	32.9 J	--	1.83
PCB-133	E1668C	2.17	--	0.113
PCB-134	E1668C	7.75 J	--	0.386
PCB-135/151	E1668C	70.9 J	--	3.54
PCB-136	E1668C	26.3 J	--	1.46
PCB-137	E1668C	1.44	--	0.00133 U
PCB-139/140	E1668C	1.12	--	0.078
PCB-141	E1668C	31.1 J	--	1.62
PCB-142	E1668C	0.00328 U	--	0.00137 U
PCB-143	E1668C	0.00269 U	--	0.00112 U
PCB-144	E1668C	9.11 J	--	0.39
PCB-145	E1668C	0.0171	--	0.00105 U
PCB-146	E1668C	18.9 J	--	1.04
PCB-147/149	E1668C	111 J	--	6.86
PCB-148	E1668C	1.08	--	0.0482
PCB-150	E1668C	1.66	--	0.064
PCB-152	E1668C	0.902	--	0.0308
PCB-153/168	E1668C	99.1 J	--	6.41

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-MB-SPME-20220824 8/24/2022	HR-PW-SPME-C0-1-PRC-20220824 8/24/2022	HR-PW-SPME-C0-2-PRC-20220824 8/24/2022	HR-PW-SPME-C0-3-PRC-20220824 8/24/2022	HR-PW-SPME-C0-4-PRC-20220824 8/24/2022
PCB-154	E1668C	--	--	--	--	--
PCB-155	E1668C	--	--	--	--	--
PCB-156/157	E1668C	--	--	--	--	--
PCB-158	E1668C	--	--	--	--	--
PCB-159	E1668C	--	--	--	--	--
PCB-160	E1668C	--	--	--	--	--
PCB-161	E1668C	--	--	--	--	--
PCB-162	E1668C	--	--	--	--	--
PCB-164	E1668C	--	--	--	--	--
PCB-165	E1668C	--	--	--	--	--
PCB-167	E1668C	--	--	--	--	--
PCB-169	E1668C	--	--	--	--	--
PCB-170	E1668C	--	--	--	--	--
PCB-171/173	E1668C	--	--	--	--	--
PCB-172	E1668C	--	--	--	--	--
PCB-174	E1668C	--	--	--	--	--
PCB-175	E1668C	--	--	--	--	--
PCB-176	E1668C	--	--	--	--	--
PCB-177	E1668C	--	--	--	--	--
PCB-178	E1668C	--	--	--	--	--
PCB-179	E1668C	--	--	--	--	--
PCB-180/193	E1668C	--	--	--	--	--
PCB-181	E1668C	--	--	--	--	--
PCB-182	E1668C	--	--	--	--	--
PCB-183	E1668C	--	--	--	--	--
PCB-184	E1668C	--	--	--	--	--
PCB-185	E1668C	--	--	--	--	--
PCB-186	E1668C	--	--	--	--	--
PCB-187	E1668C	--	--	--	--	--
PCB-188	E1668C	--	--	--	--	--
PCB-189	E1668C	--	--	--	--	--
PCB-190	E1668C	--	--	--	--	--
PCB-191	E1668C	--	--	--	--	--
PCB-192	E1668C	--	--	--	--	--
PCB-194	E1668C	--	--	--	--	--
PCB-195	E1668C	--	--	--	--	--
PCB-196	E1668C	--	--	--	--	--
PCB-197	E1668C	--	--	--	--	--
PCB-198/199	E1668C	--	--	--	--	--
PCB-200	E1668C	--	--	--	--	--
PCB-201	E1668C	--	--	--	--	--
PCB-202	E1668C	--	--	--	--	--
PCB-203	E1668C	--	--	--	--	--
PCB-204	E1668C	--	--	--	--	--
PCB-205	E1668C	--	--	--	--	--
PCB-206	E1668C	--	--	--	--	--
PCB-207	E1668C	--	--	--	--	--
PCB-208	E1668C	--	--	--	--	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-SPME-C0-5-PRC-20220824 8/24/2022	BW5A1-PW07-080422 8/4/2022 1–3 ft	HR-SPME-BW5A1-PW07-080422 10/27/2022	BW5A-S-PW13-080522 8/5/2022 1–2.06 ft	HR-SPME-BW5A-5-PW13-080522 10/27/2022
PCB-154	E1668C	--	0.224	--	0.226	--
PCB-155	E1668C	--	0.0024	--	0.00326 U	--
PCB-156/157	E1668C	--	0.36	--	0.222	--
PCB-158	E1668C	--	0.559	--	0.351	--
PCB-159	E1668C	--	0.1	--	0.071	--
PCB-160	E1668C	--	0.00123 U	--	0.00352 U	--
PCB-161	E1668C	--	0.00116 U	--	0.00297 U	--
PCB-162	E1668C	--	0.0244	--	0.0112 J	--
PCB-164	E1668C	--	0.522	--	0.305	--
PCB-165	E1668C	--	0.00138 U	--	0.0343	--
PCB-167	E1668C	--	0.215	--	0.137	--
PCB-169	E1668C	--	0.00706 U	--	0.00888 U	--
PCB-170	E1668C	--	2.4	--	2.02	--
PCB-171/173	E1668C	--	0.838	--	0.62	--
PCB-172	E1668C	--	0.48	--	0.353	--
PCB-174	E1668C	--	2.83	--	1.9	--
PCB-175	E1668C	--	0.11	--	0.0899	--
PCB-176	E1668C	--	0.327	--	0.261	--
PCB-177	E1668C	--	1.72	--	1.22	--
PCB-178	E1668C	--	0.619	--	0.523	--
PCB-179	E1668C	--	0.61	--	0.561	--
PCB-180/193	E1668C	--	5.44	--	4.22	--
PCB-181	E1668C	--	0.00269 U	--	0.00527 U	--
PCB-182	E1668C	--	0.0208	--	0.0146	--
PCB-183	E1668C	--	1.58	--	1.19	--
PCB-184	E1668C	--	0.00108 U	--	0.00365 U	--
PCB-185	E1668C	--	0.34	--	0.269	--
PCB-186	E1668C	--	0.000921 U	--	0.00321 U	--
PCB-187	E1668C	--	4.12	--	2.71	--
PCB-188	E1668C	--	0.00626	--	0.0111	--
PCB-189	E1668C	--	0.0952	--	0.0764	--
PCB-190	E1668C	--	0.395	--	0.368	--
PCB-191	E1668C	--	0.0955	--	0.0818	--
PCB-192	E1668C	--	0.00197 U	--	0.00402 U	--
PCB-194	E1668C	--	1.13	--	1.06	--
PCB-195	E1668C	--	0.511	--	0.479	--
PCB-196	E1668C	--	0.59	--	0.509	--
PCB-197	E1668C	--	0.0424	--	0.0413	--
PCB-198/199	E1668C	--	1.14	--	0.939	--
PCB-200	E1668C	--	0.18	--	0.156	--
PCB-201	E1668C	--	0.125	--	0.133	--
PCB-202	E1668C	--	0.225	--	0.211	--
PCB-203	E1668C	--	0.642	--	0.564	--
PCB-204	E1668C	--	0.000685 U	--	0.00195 U	--
PCB-205	E1668C	--	0.0644	--	0.0561	--
PCB-206	E1668C	--	0.293	--	0.273	--
PCB-207	E1668C	--	0.0118	--	0.00952	--
PCB-208	E1668C	--	0.0572	--	0.0456	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST112-PW10-080422 10/27/2022	ST112-PW10-080422 8/4/2022 1–2.75 ft	HR-SPME-ST122-PW11-080522 10/27/2022	ST122-PW11-080522 8/5/2022 1–2.75 ft	HR-SPME-ST-134-PW12-080522 10/27/2022
PCB-154	E1668C	--	5.97 J	--	13.4 J	--
PCB-155	E1668C	--	0.134	--	0.214	--
PCB-156/157	E1668C	--	19.8 J	--	12.7 J	--
PCB-158	E1668C	--	25.3 J	--	23.7 J	--
PCB-159	E1668C	--	6.94 J	--	2.83	--
PCB-160	E1668C	--	0.00443 U	--	0.00501 U	--
PCB-161	E1668C	--	0.00418 U	--	0.00423 U	--
PCB-162	E1668C	--	0.427	--	0.442	--
PCB-164	E1668C	--	18.8 J	--	19.1 J	--
PCB-165	E1668C	--	0.544	--	1.14	--
PCB-167	E1668C	--	8.55 J	--	6.01 J	--
PCB-169	E1668C	--	0.132 U	--	0.0327 U	--
PCB-170	E1668C	--	144 J	--	83.9 J	--
PCB-171/173	E1668C	--	49.3 J	--	37.7 J	--
PCB-172	E1668C	--	28.7 J	--	22.2 J	--
PCB-174	E1668C	--	162 J	--	98.1 J	--
PCB-175	E1668C	--	8.42 J	--	6.86 J	--
PCB-176	E1668C	--	26 J	--	13.5 J	--
PCB-177	E1668C	--	93.9 J	--	67.6 J	--
PCB-178	E1668C	--	39.1 J	--	20.1 J	--
PCB-179	E1668C	--	73.8 J	--	33.4 J	--
PCB-180/193	E1668C	--	315 J	--	160 J	--
PCB-181	E1668C	--	0.0288 U	--	0.661	--
PCB-182	E1668C	--	0.681	--	0.784	--
PCB-183	E1668C	--	104 J	--	73.9 J	--
PCB-184	E1668C	--	0.0645	--	0.0732	--
PCB-185	E1668C	--	24.8 J	--	15.8 J	--
PCB-186	E1668C	--	0.00319 U	--	0.0186	--
PCB-187	E1668C	--	186 J	--	112 J	--
PCB-188	E1668C	--	0.361	--	0.524	--
PCB-189	E1668C	--	6.54 J	--	3.86	--
PCB-190	E1668C	--	33.5 J	--	21.8 J	--
PCB-191	E1668C	--	7.31 J	--	5.62 J	--
PCB-192	E1668C	--	0.0211 U	--	0.017 U	--
PCB-194	E1668C	--	102 J	--	49.9 J	--
PCB-195	E1668C	--	47 J	--	24.1 J	--
PCB-196	E1668C	--	54.8 J	--	22.4 J	--
PCB-197	E1668C	--	4.12	--	2.02	--
PCB-198/199	E1668C	--	93.6 J	--	38.6 J	--
PCB-200	E1668C	--	17.2 J	--	8.61 J	--
PCB-201	E1668C	--	16.5 J	--	8.06 J	--
PCB-202	E1668C	--	18.9 J	--	10.8 J	--
PCB-203	E1668C	--	56.9 J	--	24.1 J	--
PCB-204	E1668C	--	0.0171	--	0.0135	--
PCB-205	E1668C	--	6.21 J	--	3.2	--
PCB-206	E1668C	--	27.4 J	--	14.4 J	--
PCB-207	E1668C	--	3.59	--	1.75	--
PCB-208	E1668C	--	4.96 J	--	2.6	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST134-PW12-080522 8/5/2022 1–2.6 ft	HR-SPME-ST152-PW14-080522 10/27/2022	ST152-PW14-080522 8/5/2022 1–1.62 ft	HR-SPME-ST167-PW15-080822 10/27/2022	ST167-PW15-080822 8/8/2022 1–2.2 ft
PCB-154	E1668C	3.02	--	4.15	--	19.3 J
PCB-155	E1668C	0.0859	--	0.16	--	0.0349 J
PCB-156/157	E1668C	2.08	--	9.85 J	--	37.5 J
PCB-158	E1668C	3.02	--	17.1 J	--	49.8 J
PCB-159	E1668C	0.7	--	3.3	--	12.9 J
PCB-160	E1668C	0.00273 U	--	0.00254 U	--	0.00893 U
PCB-161	E1668C	0.00231 U	--	0.00214 U	--	0.00802 U
PCB-162	E1668C	0.0748	--	0.276	--	1.48
PCB-164	E1668C	2.78	--	13.4 J	--	43 J
PCB-165	E1668C	0.136	--	0.429	--	1.04
PCB-167	E1668C	0.985	--	4.61	--	20.6 J
PCB-169	E1668C	0.0102 U	--	0.0402 U	--	0.218 U
PCB-170	E1668C	17.1 J	--	73.7 J	--	282 J
PCB-171/173	E1668C	5.53	--	26.7 J	--	93.6 J
PCB-172	E1668C	3.12	--	14.8 J	--	52.9 J
PCB-174	E1668C	18.9 J	--	85.9 J	--	280 J
PCB-175	E1668C	0.891	--	4.63	--	17.4 J
PCB-176	E1668C	2.7	--	12.6 J	--	56.3 J
PCB-177	E1668C	11.3 J	--	50.7 J	--	173 J
PCB-178	E1668C	4.64 J	--	19 J	--	76.5 J
PCB-179	E1668C	8.06 J	--	34 J	--	153 J
PCB-180/193	E1668C	37.2 J	--	145 J	--	440 J
PCB-181	E1668C	0.101	--	0.354	--	1.02
PCB-182	E1668C	0.221	--	0.409	--	1.84
PCB-183	E1668C	11.3 J	--	56 J	--	196 J
PCB-184	E1668C	0.0203	--	0.042	--	0.124
PCB-185	E1668C	2.28	--	12 J	--	36.1 J
PCB-186	E1668C	0.00487	--	0.00156 U	--	0.00801 U
PCB-187	E1668C	24.5 J	--	95.8 J	--	316 J
PCB-188	E1668C	0.193	--	0.371	--	0.33
PCB-189	E1668C	0.67	--	2.85	--	14.3 J
PCB-190	E1668C	3.87	--	18.1 J	--	63 J
PCB-191	E1668C	0.768	--	3.63	--	13.1 J
PCB-192	E1668C	0.00337 U	--	0.00995 U	--	0.0369 U
PCB-194	E1668C	10.9 J	--	31.2 J	--	158 J
PCB-195	E1668C	4.98 J	--	20.3 J	--	80.4 J
PCB-196	E1668C	5 J	--	19.8 J	--	87.5 J
PCB-197	E1668C	0.386	--	1.42	--	7.35 J
PCB-198/199	E1668C	9.53 J	--	35.4 J	--	151 J
PCB-200	E1668C	1.73	--	7.39 J	--	31.8 J
PCB-201	E1668C	1.56	--	6.7 J	--	30.9 J
PCB-202	E1668C	2.29	--	8.9 J	--	35.3 J
PCB-203	E1668C	5.46 J	--	22.1 J	--	93.8 J
PCB-204	E1668C	0.00266 J	--	0.00775 J	--	0.0341
PCB-205	E1668C	0.635	--	2.54 J	--	11.3 J
PCB-206	E1668C	2.99	--	10.3 J	--	46.4 J
PCB-207	E1668C	0.39	--	1.39 J	--	6.89 J
PCB-208	E1668C	0.529	--	1.87 J	--	8.61 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST177-PW16-080822 10/27/2022	ST177-PW16-080822 8/8/2022 1–2.45 ft	HR-SPME-ST18-PW1-080922 10/27/2022	ST18-PW1-080922 8/9/2022 1–1.65 ft	HR-SPME-ST190-PW17-080822 10/27/2022
PCB-154	E1668C	--	3.23	--	1.9	--
PCB-155	E1668C	--	0.327	--	0.0304	--
PCB-156/157	E1668C	--	1.86	--	5.58	--
PCB-158	E1668C	--	2.51	--	4.01	--
PCB-159	E1668C	--	0.574	--	0.238	--
PCB-160	E1668C	--	0.00582 U	--	0.0117 U	--
PCB-161	E1668C	--	0.00523 U	--	0.0105 U	--
PCB-162	E1668C	--	0.0543	--	0.135	--
PCB-164	E1668C	--	1.81	--	2.84	--
PCB-165	E1668C	--	0.26	--	0.127	--
PCB-167	E1668C	--	0.863	--	1.6	--
PCB-169	E1668C	--	0.0236 U	--	0.0394 U	--
PCB-170	E1668C	--	16 J	--	9.07 J	--
PCB-171/173	E1668C	--	5.04	--	2.77	--
PCB-172	E1668C	--	2.92	--	1.44	--
PCB-174	E1668C	--	18.2 J	--	7.97 J	--
PCB-175	E1668C	--	0.875	--	0.398	--
PCB-176	E1668C	--	2.38	--	1.13	--
PCB-177	E1668C	--	9.95 J	--	5.44	--
PCB-178	E1668C	--	4.14	--	1.74	--
PCB-179	E1668C	--	7.32 J	--	3.35	--
PCB-180/193	E1668C	--	35.8 J	--	16.3 J	--
PCB-181	E1668C	--	0.242	--	0.101	--
PCB-182	E1668C	--	0.156	--	0.0959	--
PCB-183	E1668C	--	13 J	--	5.35	--
PCB-184	E1668C	--	0.0378	--	0.0093 U	--
PCB-185	E1668C	--	0.0138 U	--	1.29	--
PCB-186	E1668C	--	0.0114 J	--	0.0080 U	--
PCB-187	E1668C	--	24.1 J	--	13.3 J	--
PCB-188	E1668C	--	0.339	--	0.0561	--
PCB-189	E1668C	--	0.638	--	0.316	--
PCB-190	E1668C	--	3.35	--	1.5	--
PCB-191	E1668C	--	0.695	--	0.305	--
PCB-192	E1668C	--	0.00903 U	--	0.0139 U	--
PCB-194	E1668C	--	11.4 J	--	2.59	--
PCB-195	E1668C	--	4.43	--	0.994	--
PCB-196	E1668C	--	5.23	--	1.56	--
PCB-197	E1668C	--	0.385	--	0.114 J	--
PCB-198/199	E1668C	--	9.51	--	2.9	--
PCB-200	E1668C	--	1.72	--	0.478	--
PCB-201	E1668C	--	1.65	--	0.511	--
PCB-202	E1668C	--	2.1	--	0.678	--
PCB-203	E1668C	--	5.67	--	1.64	--
PCB-204	E1668C	--	0.00697	--	0.00582 U	--
PCB-205	E1668C	--	0.661	--	0.143	--
PCB-206	E1668C	--	3.28	--	1.18	--
PCB-207	E1668C	--	0.408	--	0.12	--
PCB-208	E1668C	--	0.535	--	0.256	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST190-PW17-080822 8/8/2022 1–2.6 ft	HR-SPME-ST197-PW18-080822 10/27/2022	ST197-PW18-080822 8/8/2022 1–2.45 ft	HR-SPME-ST-215-PW19-080822 10/27/2022	ST215-PW19-080822 8/8/2022 1–2.7 ft
PCB-154	E1668C	13.9 J	--	1.33	--	19.9 J
PCB-155	E1668C	4.29	--	0.0291	--	0.136
PCB-156/157	E1668C	105 J	--	2.11	--	37.9 J
PCB-158	E1668C	54.3 J	--	4.85 J	--	41.3 J
PCB-159	E1668C	53 J	--	1.22	--	14.7 J
PCB-160	E1668C	0.0105 U	--	0.0015 U	--	0.0104 U
PCB-161	E1668C	0.00906 U	--	0.00141 U	--	0.00944 U
PCB-162	E1668C	2.71	--	0.135	--	1.36
PCB-164	E1668C	33.7 J	--	4.4 J	--	39 J
PCB-165	E1668C	0.0108 U	--	0.141	--	1.04
PCB-167	E1668C	47.8 J	--	1.81	--	16.9 J
PCB-169	E1668C	0.288 U	--	0.0154 U	--	0.13 U
PCB-170	E1668C	586 J	--	30.5 J	--	338 J
PCB-171/173	E1668C	77.3 J	--	10.9 J	--	74.2 J
PCB-172	E1668C	43.3 J	--	6.28 J	--	45.1 J
PCB-174	E1668C	306 J	--	34.2 J	--	256 J
PCB-175	E1668C	12.8 J	--	1.7	--	13.4 J
PCB-176	E1668C	162 J	--	4.81 J	--	80.2 J
PCB-177	E1668C	154 J	--	20.5 J	--	148 J
PCB-178	E1668C	266 J	--	7.3 J	--	126 J
PCB-179	E1668C	501 J	--	13.9 J	--	235 J
PCB-180/193	E1668C	687 J	--	66.4 J	--	472 J
PCB-181	E1668C	1.15 J	--	0.138	--	0.0559 U
PCB-182	E1668C	1.41 J	--	0.169	--	1.72
PCB-183	E1668C	186 J	--	21.1 J	--	148 J
PCB-184	E1668C	0.604	--	0.0137	--	0.225
PCB-185	E1668C	43.2 J	--	4.04	--	34 J
PCB-186	E1668C	0.0216 U	--	0.00118 U	--	0.0267
PCB-187	E1668C	381 J	--	39.6 J	--	299 J
PCB-188	E1668C	4.04	--	0.0989	--	0.832
PCB-189	E1668C	29.4 J	--	1.18	--	14.3 J
PCB-190	E1668C	132 J	--	6.38 J	--	78.5 J
PCB-191	E1668C	10.8 J	--	1.46	--	11.3 J
PCB-192	E1668C	0.0413 U	--	0.00566 U	--	0.0419 U
PCB-194	E1668C	639 J	--	15.5 J	--	197 J
PCB-195	E1668C	255 J	--	7.4 J	--	87.5 J
PCB-196	E1668C	331 J	--	8.91 J	--	124 J
PCB-197	E1668C	21 J	--	0.756	--	9.96 J
PCB-198/199	E1668C	604 J	--	15.4 J	--	207 J
PCB-200	E1668C	87.3 J	--	2.82	--	36.9 J
PCB-201	E1668C	89.8 J	--	2.67	--	37.3 J
PCB-202	E1668C	106 J	--	3.08	--	41.1 J
PCB-203	E1668C	357 J	--	9.42 J	--	127 J
PCB-204	E1668C	0.114	--	0.0012 U	--	0.0354
PCB-205	E1668C	34.2 J	--	0.942	--	12 J
PCB-206	E1668C	137 J	--	3.82	--	53.5 J
PCB-207	E1668C	23.7 J	--	0.525	--	7.45 J
PCB-208	E1668C	28 J	--	0.704	--	9.12 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST230-PW20-080822 10/27/2022	ST230-PW20-080822 8/8/2022 1–2.8 ft	HR-SPME-ST33-PW-2-080322 10/26/2022	ST33-PW-2-080322 8/3/2022 1–2.05 ft	HR-SPME-ST43-PW-3-080322 10/26/2022
PCB-154	E1668C	--	6.27 J	--	6.98 J	--
PCB-155	E1668C	--	0.31	--	0.0326	--
PCB-156/157	E1668C	--	54.9 J	--	7.75	--
PCB-158	E1668C	--	46.5 J	--	11 J	--
PCB-159	E1668C	--	22.6 J	--	1.66	--
PCB-160	E1668C	--	0.00747 U	--	0.000401 U	--
PCB-161	E1668C	--	0.00676 U	--	0.000339 U	--
PCB-162	E1668C	--	0.737	--	0.216	--
PCB-164	E1668C	--	34.9 J	--	9.92 J	--
PCB-165	E1668C	--	0.00807 U	--	0.494	--
PCB-167	E1668C	--	19.6 J	--	3.02	--
PCB-169	E1668C	--	0.119 U	--	0.0221 U	--
PCB-170	E1668C	--	400 J	--	40.5 J	--
PCB-171/173	E1668C	--	79.2 J	--	15.4 J	--
PCB-172	E1668C	--	44.9 J	--	8.79 J	--
PCB-174	E1668C	--	289 J	--	44.8 J	--
PCB-175	E1668C	--	13.9 J	--	2.37	--
PCB-176	E1668C	--	116 J	--	9.04 J	--
PCB-177	E1668C	--	153 J	--	31.1 J	--
PCB-178	E1668C	--	166 J	--	14.3 J	--
PCB-179	E1668C	--	347 J	--	22 J	--
PCB-180/193	E1668C	--	532 J	--	88.5 J	--
PCB-181	E1668C	--	0.0438 U	--	0.207	--
PCB-182	E1668C	--	0.99	--	0.489	--
PCB-183	E1668C	--	171 J	--	30.5 J	--
PCB-184	E1668C	--	0.191	--	0.0411	--
PCB-185	E1668C	--	38.4 J	--	5.78 J	--
PCB-186	E1668C	--	0.0129 U	--	0.00495	--
PCB-187	E1668C	--	326 J	--	56.1 J	--
PCB-188	E1668C	--	1.09	--	0.19	--
PCB-189	E1668C	--	19.2 J	--	1.62	--
PCB-190	E1668C	--	93.8 J	--	8.82 J	--
PCB-191	E1668C	--	11.2 J	--	2.26	--
PCB-192	E1668C	--	0.0329 U	--	0.00846 U	--
PCB-194	E1668C	--	310 J	--	22.3 J	--
PCB-195	E1668C	--	138 J	--	9.6 J	--
PCB-196	E1668C	--	169 J	--	12.4 J	--
PCB-197	E1668C	--	11.9 J	--	0.983	--
PCB-198/199	E1668C	--	278 J	--	21.9 J	--
PCB-200	E1668C	--	49 J	--	3.74	--
PCB-201	E1668C	--	48.3 J	--	3.52	--
PCB-202	E1668C	--	52.5 J	--	4.9 J	--
PCB-203	E1668C	--	172 J	--	13.2 J	--
PCB-204	E1668C	--	0.0384 J	--	0.00488	--
PCB-205	E1668C	--	18.4 J	--	1.26	--
PCB-206	E1668C	--	78.8 J	--	5.71 J	--
PCB-207	E1668C	--	11 J	--	0.709	--
PCB-208	E1668C	--	12.9 J	--	1.01	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST43-PW-3-080322 8/3/2022 1–1.85 ft	HR-SPME-ST53-PW-4-080322 10/26/2022	ST53-PW-4-080322 8/3/2022 1–2.4 ft	HR-SPME-ST69-PW-5-080322 10/26/2022	ST69-PW-5-080322 8/3/2022 1–2.6 ft
PCB-154	E1668C	19.1 J	--	0.445	--	5.9 J
PCB-155	E1668C	0.674	--	0.00267	--	0.132
PCB-156/157	E1668C	20.3 J	--	0.658	--	19.2 J
PCB-158	E1668C	20.2 J	--	1.07	--	22.6 J
PCB-159	E1668C	3.17	--	0.18	--	6.14 J
PCB-160	E1668C	0.00252 U	--	0.00118 U	--	0.00399 U
PCB-161	E1668C	0.00212 U	--	0.000993 U	--	0.00361 U
PCB-162	E1668C	0.575	--	0.0272	--	0.466
PCB-164	E1668C	15 J	--	0.944	--	17.5 J
PCB-165	E1668C	4.02	--	0.0302	--	0.00431 U
PCB-167	E1668C	7.65 J	--	0.363	--	9.19 J
PCB-169	E1668C	0.0295 U	--	0.00411 U	--	0.0631 U
PCB-170	E1668C	94.7 J	--	3.85	--	127 J
PCB-171/173	E1668C	32.3 J	--	1.45	--	35.2 J
PCB-172	E1668C	19.9 J	--	0.655	--	19.3 J
PCB-174	E1668C	79 J	--	4.39 J	--	117 J
PCB-175	E1668C	5.1	--	0.209	--	6.04 J
PCB-176	E1668C	15 J	--	0.682	--	23.9 J
PCB-177	E1668C	64.3 J	--	2.9	--	63.5 J
PCB-178	E1668C	29.5 J	--	0.882	--	34.8 J
PCB-179	E1668C	38.1 J	--	1.74	--	69.2 J
PCB-180/193	E1668C	173 J	--	8.08	--	239 J
PCB-181	E1668C	0.774	--	0.0185	--	0.483
PCB-182	E1668C	1.1	--	0.0337	--	0.599
PCB-183	E1668C	60.1 J	--	2.65	--	70.4 J
PCB-184	E1668C	0.156	--	0.00197	--	0.0649
PCB-185	E1668C	11.2 J	--	0.598	--	15.5 J
PCB-186	E1668C	0.0267	--	0.0010 U	--	0.00427 U
PCB-187	E1668C	110 J	--	5.73 J	--	135 J
PCB-188	E1668C	1.3	--	0.00926	--	0.387
PCB-189	E1668C	4.57	--	0.138	--	6.02 J
PCB-190	E1668C	19.8 J	--	0.707	--	29.7 J
PCB-191	E1668C	4.75	--	0.156	--	5.48 J
PCB-192	E1668C	0.0511	--	0.00135 U	--	0.0159 U
PCB-194	E1668C	54.4 J	--	1.27	--	83.6 J
PCB-195	E1668C	23.5 J	--	0.618	--	36.9 J
PCB-196	E1668C	28.6 J	--	0.584	--	45.9 J
PCB-197	E1668C	2.35	--	0.0461	--	3.28
PCB-198/199	E1668C	45.2 J	--	1.07	--	72.5 J
PCB-200	E1668C	8.01 J	--	0.216	--	12.9 J
PCB-201	E1668C	8.4 J	--	0.198	--	12.8 J
PCB-202	E1668C	11.3 J	--	0.283	--	13.4 J
PCB-203	E1668C	29.3 J	--	0.605	--	46.2 J
PCB-204	E1668C	0.0267	--	0.000601 U	--	0.0171
PCB-205	E1668C	3.25	--	0.0658	--	5.33 J
PCB-206	E1668C	13.4 J	--	0.295	--	21.4 J
PCB-207	E1668C	1.49	--	0.033	--	3.25
PCB-208	E1668C	2.29	--	0.0652	--	3.68

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	DUP-080422 8/4/2022 1–2.03 ft	HR-SPME-DUP-080422 10/26/2022	HR-SPME-ST78-PW06-080422 10/26/2022	ST78-PW06-080422 8/4/2022 1–2.03 ft	HR-SPME-ST91-PW08-080422 10/26/2022
PCB-154	E1668C	3.48 J	--	--	6.03 J	--
PCB-155	E1668C	0.0664 J	--	--	0.114 J	--
PCB-156/157	E1668C	5.62	--	--	6.84	--
PCB-158	E1668C	7.44 J	--	--	9.78 J	--
PCB-159	E1668C	2.38	--	--	1.97	--
PCB-160	E1668C	0.00957 U	--	--	0.00105 U	--
PCB-161	E1668C	0.00865 U	--	--	0.000993 U	--
PCB-162	E1668C	0.126	--	--	0.168	--
PCB-164	E1668C	6.26 J	--	--	7.44 J	--
PCB-165	E1668C	0.37 J	--	--	0.751 J	--
PCB-167	E1668C	2.25	--	--	2.7	--
PCB-169	E1668C	0.0426 U	--	--	0.0157 U	--
PCB-170	E1668C	50.6 J	--	--	49.3 J	--
PCB-171/173	E1668C	12.7 J	--	--	17.3 J	--
PCB-172	E1668C	7.37 J	--	--	10.3 J	--
PCB-174	E1668C	46.3 J	--	--	55.7 J	--
PCB-175	E1668C	2.18	--	--	3.02	--
PCB-176	E1668C	9.21 J	--	--	8.47 J	--
PCB-177	E1668C	26.4 J	--	--	35.1 J	--
PCB-178	E1668C	14.3 J	--	--	14.1 J	--
PCB-179	E1668C	28.6 J	--	--	24.9 J	--
PCB-180/193	E1668C	101 J	--	--	110 J	--
PCB-181	E1668C	0.147 J	--	--	0.256 J	--
PCB-182	E1668C	0.276 J	--	--	0.462 J	--
PCB-183	E1668C	26.4 J	--	--	37.1 J	--
PCB-184	E1668C	0.00994 UJ	--	--	0.0433 J	--
PCB-185	E1668C	5.72 J	--	--	6.55 J	--
PCB-186	E1668C	0.00861 U	--	--	0.000736 U	--
PCB-187	E1668C	57.8 J	--	--	71.9 J	--
PCB-188	E1668C	0.184 J	--	--	0.343 J	--
PCB-189	E1668C	2.03	--	--	2.05	--
PCB-190	E1668C	11.7 J	--	--	11.4 J	--
PCB-191	E1668C	1.99	--	--	2.5	--
PCB-192	E1668C	0.0108 U	--	--	0.0121	--
PCB-194	E1668C	31 J	--	--	31.6 J	--
PCB-195	E1668C	13.5 J	--	--	14.1 J	--
PCB-196	E1668C	18 J	--	--	17.1 J	--
PCB-197	E1668C	1.35	--	--	1.21	--
PCB-198/199	E1668C	30.7 J	--	--	29.2 J	--
PCB-200	E1668C	5.16 J	--	--	5.01	--
PCB-201	E1668C	5.21 J	--	--	5.21	--
PCB-202	E1668C	5.69 J	--	--	5.97 J	--
PCB-203	E1668C	18.7 J	--	--	17.5 J	--
PCB-204	E1668C	0.00675 U	--	--	0.00696	--
PCB-205	E1668C	1.84	--	--	1.86	--
PCB-206	E1668C	7.28 J	--	--	8.45 J	--
PCB-207	E1668C	1.18	--	--	1.17	--
PCB-208	E1668C	1.37	--	--	1.47	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST91-PW08-080422 8/4/2022 1–2.35 ft	HR-SPME-ST99-PW09-080422 10/27/2022	ST99-PW09-080422 8/4/2022 1–2.15 ft
PCB-154	E1668C	4.25	--	0.227
PCB-155	E1668C	0.147	--	0.00696
PCB-156/157	E1668C	6.83	--	0.354
PCB-158	E1668C	10.3 J	--	0.512
PCB-159	E1668C	2.16	--	0.127
PCB-160	E1668C	0.00212 U	--	0.000883 U
PCB-161	E1668C	0.00199 U	--	0.000832 U
PCB-162	E1668C	0.133	--	0.0088
PCB-164	E1668C	7.55 J	--	0.466
PCB-165	E1668C	0.44	--	0.0221
PCB-167	E1668C	2.9	--	0.165
PCB-169	E1668C	0.0259 U	--	0.00325 U
PCB-170	E1668C	51.1 J	--	2.69
PCB-171/173	E1668C	18.3 J	--	0.906
PCB-172	E1668C	10.1 J	--	0.495
PCB-174	E1668C	58.4 J	--	3.29
PCB-175	E1668C	2.98	--	0.141
PCB-176	E1668C	8.46 J	--	0.521
PCB-177	E1668C	33.5 J	--	1.92
PCB-178	E1668C	12.7 J	--	0.809
PCB-179	E1668C	23.4 J	--	1.71
PCB-180/193	E1668C	112 J	--	6.57
PCB-181	E1668C	0.22	--	0.0132 J
PCB-182	E1668C	0.302	--	0.0201
PCB-183	E1668C	37.7 J	--	1.87
PCB-184	E1668C	0.0279	--	0.00112 U
PCB-185	E1668C	7.04 J	--	0.346
PCB-186	E1668C	0.00158 U	--	0.000961 U
PCB-187	E1668C	68.5 J	--	4.09
PCB-188	E1668C	0.292	--	0.0147
PCB-189	E1668C	2.07	--	0.102
PCB-190	E1668C	11.5 J	--	0.6
PCB-191	E1668C	2.58	--	0.128
PCB-192	E1668C	0.00883 U	--	0.0018 U
PCB-194	E1668C	25.4 J	--	1.22
PCB-195	E1668C	11.8 J	--	0.653
PCB-196	E1668C	14.4 J	--	0.8
PCB-197	E1668C	1.14	--	0.0614
PCB-198/199	E1668C	23.8 J	--	1.49
PCB-200	E1668C	4.43	--	0.263
PCB-201	E1668C	4.37	--	0.246
PCB-202	E1668C	4.88 J	--	0.301
PCB-203	E1668C	14.4 J	--	0.872
PCB-204	E1668C	0.0044 J	--	0.00057 U
PCB-205	E1668C	1.5	--	0.081
PCB-206	E1668C	5.31 J	--	0.353
PCB-207	E1668C	0.745	--	0.0487
PCB-208	E1668C	0.883	--	0.0637

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-MB-SPME-20220824 8/24/2022	HR-PW-SPME-C0-1-PRC-20220824 8/24/2022	HR-PW-SPME-C0-2-PRC-20220824 8/24/2022	HR-PW-SPME-C0-3-PRC-20220824 8/24/2022	HR-PW-SPME-C0-4-PRC-20220824 8/24/2022
PCB-209	E1668C	--	--	--	--	--
Total PCB Congener (U = 0 max limit)		--	--	--	--	--
Total PCB Congener (U = 1/2 max limit)		--	--	--	--	--
PCB Congeners, Dissolved (SPME) (ng/L)						
PCB-001	E1668C	--	--	--	--	--
PCB-002	E1668C	--	--	--	--	--
PCB-003	E1668C	--	--	--	--	--
PCB-004	E1668C	--	--	--	--	--
PCB-005	E1668C	--	--	--	--	--
PCB-006	E1668C	--	--	--	--	--
PCB-007	E1668C	--	--	--	--	--
PCB-008	E1668C	--	--	--	--	--
PCB-009	E1668C	--	--	--	--	--
PCB-010	E1668C	--	--	--	--	--
PCB-011	E1668C	--	--	--	--	--
PCB-012/013	E1668C	--	--	--	--	--
PCB-014	E1668C	--	--	--	--	--
PCB-015	E1668C	--	--	--	--	--
PCB-016	E1668C	--	--	--	--	--
PCB-017	E1668C	--	--	--	--	--
PCB-018/030	E1668C	--	--	--	--	--
PCB-019	E1668C	--	--	--	--	--
PCB-020/028	E1668C	--	--	--	--	--
PCB-021/033	E1668C	--	--	--	--	--
PCB-022	E1668C	--	--	--	--	--
PCB-023	E1668C	--	--	--	--	--
PCB-024	E1668C	--	--	--	--	--
PCB-025	E1668C	--	--	--	--	--
PCB-026/029	E1668C	--	--	--	--	--
PCB-027	E1668C	--	--	--	--	--
PCB-031	E1668C	--	--	--	--	--
PCB-032	E1668C	--	--	--	--	--
PCB-034	E1668C	--	--	--	--	--
PCB-035	E1668C	--	--	--	--	--
PCB-036	E1668C	--	--	--	--	--
PCB-037	E1668C	--	--	--	--	--
PCB-038	E1668C	--	--	--	--	--
PCB-039	E1668C	--	--	--	--	--
PCB-040/071	E1668C	--	--	--	--	--
PCB-041	E1668C	--	--	--	--	--
PCB-042	E1668C	--	--	--	--	--
PCB-043	E1668C	--	--	--	--	--
PCB-044/047/065	E1668C	--	--	--	--	--
PCB-045	E1668C	--	--	--	--	--
PCB-046	E1668C	--	--	--	--	--
PCB-048	E1668C	--	--	--	--	--
PCB-049/069	E1668C	--	--	--	--	--
PCB-050/053	E1668C	--	--	--	--	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-SPME-C0-5-PRC-20220824 8/24/2022	BW5A1-PW07-080422 8/4/2022 1–3 ft	HR-SPME-BW5A1-PW07-080422 10/27/2022	BW5A-S-PW13-080522 8/5/2022 1–2.06 ft	HR-SPME-BW5A-5-PW13-080522 10/27/2022
PCB-209	E1668C	--	0.0282	--	0.0205	--
Total PCB Congener (U = 0 max limit)		--	96 J	--	68 J	--
Total PCB Congener (U = 1/2 max limit)		--	97 J	--	68 J	--
PCB Congeners, Dissolved (SPME) (ng/L)						
PCB-001	E1668C	--	--	0.00151 U	--	0.00665 U
PCB-002	E1668C	--	--	0.000973 U	--	0.00427 U
PCB-003	E1668C	--	--	0.00108 U	--	0.00473 U
PCB-004	E1668C	--	--	0.00140 U	--	0.0114 U
PCB-005	E1668C	--	--	0.000913 U	--	0.00631 U
PCB-006	E1668C	--	--	0.000648 U	--	0.00439 U
PCB-007	E1668C	--	--	0.000742 U	--	0.00510 U
PCB-008	E1668C	--	--	0.000592 U	--	0.00401 U
PCB-009	E1668C	--	--	0.00113 J	--	0.00463 U
PCB-010	E1668C	--	--	0.000728 U	--	0.00546 U
PCB-011	E1668C	--	--	0.000459 U	--	0.00316 U
PCB-012/013	E1668C	--	--	0.000710 J	--	0.00351 U
PCB-014	E1668C	--	--	0.000502 U	--	0.00344 U
PCB-015	E1668C	--	--	0.000501 U	--	0.00343 U
PCB-016	E1668C	--	--	0.00160 J	--	0.00406 J
PCB-017	E1668C	--	--	0.000457 U	--	0.00552 U
PCB-018/030	E1668C	--	--	0.000278 U	--	0.00327 U
PCB-019	E1668C	--	--	0.000660 U	--	0.00829 U
PCB-020/028	E1668C	--	--	0.00605	--	0.0168
PCB-021/033	E1668C	--	--	0.00599	--	0.012
PCB-022	E1668C	--	--	0.000601 J	--	0.00229 J
PCB-023	E1668C	--	--	0.000330 U	--	0.00217 U
PCB-024	E1668C	--	--	0.000282 U	--	0.00332 U
PCB-025	E1668C	--	--	0.00318	--	0.00642
PCB-026/029	E1668C	--	--	0.000296 U	--	0.00190 U
PCB-027	E1668C	--	--	0.000243 U	--	0.00285 U
PCB-031	E1668C	--	--	0.00236	--	0.0124
PCB-032	E1668C	--	--	0.000224 U	--	0.00256 U
PCB-034	E1668C	--	--	0.00119 J	--	0.00189 U
PCB-035	E1668C	--	--	0.000233 U	--	0.00144 U
PCB-036	E1668C	--	--	0.000188 U	--	0.00119 U
PCB-037	E1668C	--	--	0.000612 J	--	0.00239 J
PCB-038	E1668C	--	--	0.000232 U	--	0.00151 U
PCB-039	E1668C	--	--	0.000203 U	--	0.00127 U
PCB-040/071	E1668C	--	--	0.0158	--	0.0693
PCB-041	E1668C	--	--	0.000421 U	--	0.0028
PCB-042	E1668C	--	--	0.00745	--	0.027
PCB-043	E1668C	--	--	0.000690 J	--	0.00383 J
PCB-044/047/065	E1668C	--	--	0.0989	--	0.31
PCB-045	E1668C	--	--	0.000485 U	--	0.00403 J
PCB-046	E1668C	--	--	0.00659	--	0.0147
PCB-048	E1668C	--	--	0.000644 J	--	0.013
PCB-049/069	E1668C	--	--	0.0642	--	0.206
PCB-050/053	E1668C	--	--	0.000365 U	--	0.156

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST112-PW10-080422 10/27/2022	ST112-PW10-080422 8/4/2022 1–2.75 ft	HR-SPME-ST122-PW11-080522 10/27/2022	ST122-PW11-080522 8/5/2022 1–2.75 ft	HR-SPME-ST-134-PW12-080522 10/27/2022
PCB-209	E1668C	--	8.87 J	--	0.711	--
Total PCB Congener (U = 0 max limit)		--	3800 J	--	2800 J	--
Total PCB Congener (U = 1/2 max limit)		--	3800 J	--	2800 J	--
PCB Congeners, Dissolved (SPME) (ng/L)						
PCB-001	E1668C	0.294	--	0.26	--	0.434
PCB-002	E1668C	0.00304 J	--	0.00478 U	--	0.00527 U
PCB-003	E1668C	0.0222 J	--	0.0279	--	0.238
PCB-004	E1668C	8.799	--	3.965	--	32.71 J
PCB-005	E1668C	0.00190 J	--	0.00947 U	--	0.00984 U
PCB-006	E1668C	0.123	--	0.342	--	0.504
PCB-007	E1668C	0.0119	--	0.0375	--	0.0473
PCB-008	E1668C	0.131	--	0.182	--	0.916
PCB-009	E1668C	0.0219	--	0.0546 J	--	0.0479 J
PCB-010	E1668C	0.348	--	0.154	--	0.815
PCB-011	E1668C	0.000294 U	--	0.00498 U	--	0.00548 U
PCB-012/013	E1668C	0.0489	--	0.0574	--	0.401
PCB-014	E1668C	0.000312 U	--	0.00543 U	--	0.00598 U
PCB-015	E1668C	0.257	--	0.243	--	2.531
PCB-016	E1668C	0.105	--	0.464	--	0.377
PCB-017	E1668C	1.944	--	2.458	--	19.854 J
PCB-018/030	E1668C	0.596	--	1.594	--	3.783
PCB-019	E1668C	9.856	--	5.736	--	44.111 J
PCB-020/028	E1668C	0.233	--	1.006	--	2.51
PCB-021/033	E1668C	0.225	--	0.614	--	4.172
PCB-022	E1668C	0.0211	--	0.0756	--	0.188
PCB-023	E1668C	0.000615 U	--	0.00744 U	--	0.0107 U
PCB-024	E1668C	0.00566	--	0.0164	--	0.0346
PCB-025	E1668C	0.29	--	2.037	--	2.726
PCB-026/029	E1668C	0.523	--	6.342	--	1.103
PCB-027	E1668C	1.422	--	1.538	--	9.706 J
PCB-031	E1668C	0.176	--	0.638	--	1.839
PCB-032	E1668C	1.253	--	2.918	--	17.784 J
PCB-034	E1668C	0.00263	--	0.033	--	0.05
PCB-035	E1668C	0.000432 U	--	0.00527 U	--	0.00822 U
PCB-036	E1668C	0.000343 U	--	0.00441 U	--	0.00706 U
PCB-037	E1668C	0.0258	--	0.0649	--	0.698
PCB-038	E1668C	0.00353	--	0.0179	--	0.0186 J
PCB-039	E1668C	0.00243	--	0.00826 J	--	0.00761 U
PCB-040/071	E1668C	0.762	--	9.115 J	--	10.31
PCB-041	E1668C	0.00959	--	0.00295 U	--	0.00788 U
PCB-042	E1668C	0.412	--	5.602 J	--	2.229
PCB-043	E1668C	0.0167	--	0.195	--	0.148
PCB-044/047/065	E1668C	7.157	--	34.834 J	--	91.894 J
PCB-045	E1668C	0.000391 U	--	0.00351 U	--	0.00889 U
PCB-046	E1668C	0.363	--	3.834	--	3.282
PCB-048	E1668C	0.0357	--	0.12	--	0.00614 U
PCB-049/069	E1668C	4.711	--	36.661 J	--	45.295 J
PCB-050/053	E1668C	5.317	--	22.603 J	--	73.559 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST134-PW12-080522 8/5/2022 1–2.6 ft	HR-SPME-ST152-PW14-080522 10/27/2022	ST152-PW14-080522 8/5/2022 1–1.62 ft	HR-SPME-ST167-PW15-080822 10/27/2022	ST167-PW15-080822 8/8/2022 1–2.2 ft
PCB-209	E1668C	0.162	--	0.339	--	1.75
Total PCB Congener (U = 0 max limit)		620 J	--	2000 J	--	7200 J
Total PCB Congener (U = 1/2 max limit)		620 J	--	2000 J	--	7200 J
PCB Congeners, Dissolved (SPME) (ng/L)						
PCB-001	E1668C	--	0.352	--	0.128 J	--
PCB-002	E1668C	--	0.00772 U	--	0.0116 U	--
PCB-003	E1668C	--	0.0346	--	0.0278 J	--
PCB-004	E1668C	--	6.603	--	18.588	--
PCB-005	E1668C	--	0.00761 U	--	0.0158 U	--
PCB-006	E1668C	--	0.091	--	0.095	--
PCB-007	E1668C	--	0.00626 U	--	0.0129 U	--
PCB-008	E1668C	--	0.12	--	0.31	--
PCB-009	E1668C	--	0.00569 U	--	0.0119 U	--
PCB-010	E1668C	--	0.238	--	0.429	--
PCB-011	E1668C	--	0.00408 U	--	0.00841 U	--
PCB-012/013	E1668C	--	0.0324	--	0.0403	--
PCB-014	E1668C	--	0.00444 U	--	0.00891 U	--
PCB-015	E1668C	--	0.306	--	0.311	--
PCB-016	E1668C	--	0.0485	--	0.154 J	--
PCB-017	E1668C	--	0.683	--	1.298 J	--
PCB-018/030	E1668C	--	0.198	--	0.498 J	--
PCB-019	E1668C	--	4.417	--	15.422 J	--
PCB-020/028	E1668C	--	0.129	--	0.487	--
PCB-021/033	E1668C	--	0.106	--	0.117	--
PCB-022	E1668C	--	0.0139	--	0.0731	--
PCB-023	E1668C	--	0.00443 U	--	0.00573 U	--
PCB-024	E1668C	--	0.00505 U	--	0.00708 J	--
PCB-025	E1668C	--	0.109	--	0.126	--
PCB-026/029	E1668C	--	0.16	--	0.265	--
PCB-027	E1668C	--	0.499	--	0.576 J	--
PCB-031	E1668C	--	0.105	--	0.216	--
PCB-032	E1668C	--	0.458	--	0.704 J	--
PCB-034	E1668C	--	0.00398 U	--	0.00511 U	--
PCB-035	E1668C	--	0.00316 U	--	0.00418 U	--
PCB-036	E1668C	--	0.00264 U	--	0.00334 U	--
PCB-037	E1668C	--	0.0243	--	0.0808	--
PCB-038	E1668C	--	0.00324 U	--	0.00420 U	--
PCB-039	E1668C	--	0.00283 U	--	0.00359 U	--
PCB-040/071	E1668C	--	0.487	--	1.294	--
PCB-041	E1668C	--	0.00454 U	--	0.0453	--
PCB-042	E1668C	--	0.228	--	1.079	--
PCB-043	E1668C	--	0.016	--	0.0326	--
PCB-044/047/065	E1668C	--	5.041	--	6.565	--
PCB-045	E1668C	--	0.00538 U	--	0.411	--
PCB-046	E1668C	--	0.14	--	0.423	--
PCB-048	E1668C	--	0.0516	--	0.174	--
PCB-049/069	E1668C	--	2.841	--	5.984	--
PCB-050/053	E1668C	--	2.361	--	1.848	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST177-PW16-080822 10/27/2022	ST177-PW16-080822 8/8/2022 1–2.45 ft	HR-SPME-ST18-PW1-080922 10/27/2022	ST18-PW1-080922 8/9/2022 1–1.65 ft	HR-SPME-ST190-PW17-080822 10/27/2022
PCB-209	E1668C	--	0.099	--	0.163	--
Total PCB Congener (U = 0 max limit)		--	970 J	--	1100 J	--
Total PCB Congener (U = 1/2 max limit)		--	970 J	--	1100 J	--
PCB Congeners, Dissolved (SPME) (ng/L)						
PCB-001	E1668C	0.0577	--	0.175	--	26.147
PCB-002	E1668C	0.00150 U	--	0.00189 U	--	0.0371 J
PCB-003	E1668C	0.0186	--	0.0143	--	4.696
PCB-004	E1668C	1.026	--	6.227	--	2181.494 J
PCB-005	E1668C	0.00146 U	--	0.00346 J	--	0.0337 U
PCB-006	E1668C	0.1	--	0.232	--	13.729 J
PCB-007	E1668C	0.0122	--	0.0129	--	0.484
PCB-008	E1668C	0.105	--	0.295	--	15.394 J
PCB-009	E1668C	0.0146	--	0.0237	--	1.061
PCB-010	E1668C	0.0395	--	0.296	--	63.589 J
PCB-011	E1668C	0.000726 U	--	0.00541	--	0.0447
PCB-012/013	E1668C	0.0163	--	0.0224	--	6.897
PCB-014	E1668C	0.000823 U	--	0.000751 U	--	0.0193 U
PCB-015	E1668C	0.237	--	0.137	--	40.276 J
PCB-016	E1668C	0.0389 J	--	0.356 J	--	0.586 J
PCB-017	E1668C	0.493 J	--	1.06 J	--	61.833 J
PCB-018/030	E1668C	0.267 J	--	0.767 J	--	8.278 J
PCB-019	E1668C	1.091 J	--	5.68 J	--	1488.314 J
PCB-020/028	E1668C	0.26	--	0.298	--	2.143
PCB-021/033	E1668C	0.305	--	0.0885	--	3.836
PCB-022	E1668C	0.0197	--	0.0548	--	0.163
PCB-023	E1668C	0.000890 U	--	0.000768 U	--	0.0188 U
PCB-024	E1668C	0.00210 J	--	0.0101 J	--	0.144 J
PCB-025	E1668C	0.192	--	0.286	--	5.164 J
PCB-026/029	E1668C	0.114	--	1.11	--	4.504
PCB-027	E1668C	0.597 J	--	0.62 J	--	70.799 J
PCB-031	E1668C	0.136	--	0.244	--	5.936 J
PCB-032	E1668C	1.184 J	--	0.303 J	--	56.776 J
PCB-034	E1668C	0.00235	--	0.0046	--	0.1
PCB-035	E1668C	0.000555 U	--	0.00254	--	0.0135 U
PCB-036	E1668C	0.000434 U	--	0.000363 U	--	0.0113 U
PCB-037	E1668C	0.0197	--	0.0255	--	1.933
PCB-038	E1668C	0.00194	--	0.00204	--	0.0313
PCB-039	E1668C	0.000473 U	--	0.00155	--	0.0338
PCB-040/071	E1668C	0.339	--	0.2	--	7.517
PCB-041	E1668C	0.000615 U	--	0.00651	--	0.0154 U
PCB-042	E1668C	0.0934	--	0.251	--	3.084
PCB-043	E1668C	0.000393 U	--	0.00786	--	0.0123 U
PCB-044/047/065	E1668C	3.322	--	1.639	--	166.236 J
PCB-045	E1668C	0.000802 U	--	0.0641	--	0.0183 U
PCB-046	E1668C	0.322	--	0.131	--	4.657
PCB-048	E1668C	0.000399 U	--	0.0245	--	0.862
PCB-049/069	E1668C	1.543	--	1.16	--	51.755 J
PCB-050/053	E1668C	4.224	--	1.001	--	88.267 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST190-PW17-080822 8/8/2022 1–2.6 ft	HR-SPME-ST197-PW18-080822 10/27/2022	ST197-PW18-080822 8/8/2022 1–2.45 ft	HR-SPME-ST-215-PW19-080822 10/27/2022	ST215-PW19-080822 8/8/2022 1–2.7 ft
PCB-209	E1668C	3.28	--	0.221	--	1.41
Total PCB Congener (U = 0 max limit)		15000 J	--	720 J	--	7700 J
Total PCB Congener (U = 1/2 max limit)		15000 J	--	720 J	--	7700 J
PCB Congeners, Dissolved (SPME) (ng/L)						
PCB-001	E1668C	--	0.00124 U	--	0.119 J	--
PCB-002	E1668C	--	0.00237 J	--	0.0115 U	--
PCB-003	E1668C	--	0.0121	--	0.025	--
PCB-004	E1668C	--	1.372	--	2.261	--
PCB-005	E1668C	--	0.00107 J	--	0.0182 J	--
PCB-006	E1668C	--	0.0456	--	1.053	--
PCB-007	E1668C	--	0.00267 J	--	0.0632	--
PCB-008	E1668C	--	0.0737	--	1.789	--
PCB-009	E1668C	--	0.00586	--	0.115	--
PCB-010	E1668C	--	0.000658 U	--	0.0673	--
PCB-011	E1668C	--	0.000492 U	--	0.0245	--
PCB-012/013	E1668C	--	0.00923	--	0.124	--
PCB-014	E1668C	--	0.000522 U	--	0.00698 U	--
PCB-015	E1668C	--	0.159	--	0.765	--
PCB-016	E1668C	--	0.051	--	2.488 J	--
PCB-017	E1668C	--	0.134	--	3.444 J	--
PCB-018/030	E1668C	--	0.13	--	4.465 J	--
PCB-019	E1668C	--	0.674	--	1.812 J	--
PCB-020/028	E1668C	--	0.309	--	3.098	--
PCB-021/033	E1668C	--	0.0478	--	1.312	--
PCB-022	E1668C	--	0.0432	--	0.825	--
PCB-023	E1668C	--	0.000607 U	--	0.00693 U	--
PCB-024	E1668C	--	0.00192 J	--	0.0591 J	--
PCB-025	E1668C	--	0.0418	--	1.078	--
PCB-026/029	E1668C	--	0.11	--	2.516	--
PCB-027	E1668C	--	0.000326 U	--	1.497 J	--
PCB-031	E1668C	--	0.198	--	2.346	--
PCB-032	E1668C	--	0.117	--	1.886 J	--
PCB-034	E1668C	--	0.000776 J	--	0.0242	--
PCB-035	E1668C	--	0.00278	--	0.0212	--
PCB-036	E1668C	--	0.000350 U	--	0.00366 U	--
PCB-037	E1668C	--	0.0705	--	0.37	--
PCB-038	E1668C	--	0.00125	--	0.00891 J	--
PCB-039	E1668C	--	0.00219	--	0.0159	--
PCB-040/071	E1668C	--	0.305	--	2.126	--
PCB-041	E1668C	--	0.0357	--	0.131	--
PCB-042	E1668C	--	0.261	--	1.968	--
PCB-043	E1668C	--	0.0199	--	0.119	--
PCB-044/047/065	E1668C	--	1.648	--	12.253 J	--
PCB-045	E1668C	--	0.141	--	0.936	--
PCB-046	E1668C	--	0.0631	--	0.905	--
PCB-048	E1668C	--	0.0818	--	0.449	--
PCB-049/069	E1668C	--	1.141	--	10.281 J	--
PCB-050/053	E1668C	--	0.41	--	6.988	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST230-PW20-080822 10/27/2022	ST230-PW20-080822 8/8/2022 1–2.8 ft	HR-SPME-ST33-PW-2-080322 10/26/2022	ST33-PW-2-080322 8/3/2022 1–2.05 ft	HR-SPME-ST43-PW-3-080322 10/26/2022
PCB-209	E1668C	--	1.37	--	0.243	--
Total PCB Congener (U = 0 max limit)		--	8300 J	--	1400 J	--
Total PCB Congener (U = 1/2 max limit)		--	8300 J	--	1400 J	--
PCB Congeners, Dissolved (SPME) (ng/L)						
PCB-001	E1668C	0.219	--	0.173	--	44.947 J
PCB-002	E1668C	0.00709	--	0.00398 J	--	0.0941
PCB-003	E1668C	0.0464	--	0.0357	--	4.826
PCB-004	E1668C	2.451	--	1.832	--	632.785 J
PCB-005	E1668C	0.00310 J	--	0.006	--	0.0162 U
PCB-006	E1668C	0.142	--	0.213	--	14.603 J
PCB-007	E1668C	0.0112	--	0.0157	--	1.141
PCB-008	E1668C	0.25	--	0.3	--	6.192
PCB-009	E1668C	0.0145 J	--	0.0255	--	3.08
PCB-010	E1668C	0.0954	--	0.000886 U	--	32.049 J
PCB-011	E1668C	0.00687	--	0.000741 U	--	0.118
PCB-012/013	E1668C	0.0361	--	0.0354	--	10.948
PCB-014	E1668C	0.00151 U	--	0.000812 U	--	0.00912 U
PCB-015	E1668C	0.583	--	0.184	--	7.292
PCB-016	E1668C	0.222 J	--	0.2	--	1.259
PCB-017	E1668C	1.495 J	--	0.548	--	123.605 J
PCB-018/030	E1668C	0.731 J	--	0.428	--	21.857 J
PCB-019	E1668C	2.479 J	--	1.007	--	383.635 J
PCB-020/028	E1668C	0.861	--	0.409	--	6.609
PCB-021/033	E1668C	0.638	--	0.194	--	3.332
PCB-022	E1668C	0.0689	--	0.0941	--	0.256
PCB-023	E1668C	0.00293 U	--	0.000955 U	--	0.0100 U
PCB-024	E1668C	0.00933 J	--	0.00518 J	--	0.12
PCB-025	E1668C	0.454	--	0.257	--	10.2 J
PCB-026/029	E1668C	0.468	--	0.685	--	24.653 J
PCB-027	E1668C	0.889 J	--	0.246	--	96.033 J
PCB-031	E1668C	0.508	--	0.317	--	5.4 J
PCB-032	E1668C	1.462 J	--	0.256	--	28.151 J
PCB-034	E1668C	0.00272 U	--	0.00416	--	0.175
PCB-035	E1668C	0.00632	--	0.00351	--	0.0161
PCB-036	E1668C	0.00203 U	--	0.000508 U	--	0.00559 U
PCB-037	E1668C	0.127	--	0.089	--	0.285
PCB-038	E1668C	0.0164 J	--	0.00413 J	--	0.0503
PCB-039	E1668C	0.017	--	0.00274	--	0.033
PCB-040/071	E1668C	3.682	--	0.597	--	7.248
PCB-041	E1668C	0.137	--	0.0133	--	0.00457 U
PCB-042	E1668C	1.96	--	0.387	--	5.343 J
PCB-043	E1668C	0.107	--	0.0117	--	0.484
PCB-044/047/065	E1668C	28.37 J	--	2.384	--	77.351 J
PCB-045	E1668C	0.00262 U	--	0.127	--	0.00558 U
PCB-046	E1668C	0.897	--	0.183	--	13.688 J
PCB-048	E1668C	0.493	--	0.0424	--	0.555
PCB-049/069	E1668C	18.988 J	--	1.976	--	59.724 J
PCB-050/053	E1668C	11.435 J	--	1.479	--	95.352 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST43-PW-3-080322 8/3/2022 1–1.85 ft	HR-SPME-ST53-PW-4-080322 10/26/2022	ST53-PW-4-080322 8/3/2022 1–2.4 ft	HR-SPME-ST69-PW-5-080322 10/26/2022	ST69-PW-5-080322 8/3/2022 1–2.6 ft
PCB-209	E1668C	0.954	--	0.0494	--	0.467
Total PCB Congener (U = 0 max limit)		4900 J	--	220 J	--	3500 J
Total PCB Congener (U = 1/2 max limit)		4900 J	--	220 J	--	3500 J
PCB Congeners, Dissolved (SPME) (ng/L)						
PCB-001	E1668C	--	0.164	--	0.132	--
PCB-002	E1668C	--	0.00655 J	--	0.00410 J	--
PCB-003	E1668C	--	0.0274	--	0.0229	--
PCB-004	E1668C	--	3.058	--	1.66	--
PCB-005	E1668C	--	0.00899	--	0.00408	--
PCB-006	E1668C	--	0.386	--	0.135	--
PCB-007	E1668C	--	0.0165	--	0.00889	--
PCB-008	E1668C	--	0.48	--	0.19	--
PCB-009	E1668C	--	0.0335	--	0.0155	--
PCB-010	E1668C	--	0.111	--	0.0727	--
PCB-011	E1668C	--	0.000773 U	--	0.000616 U	--
PCB-012/013	E1668C	--	0.0195	--	0.0307	--
PCB-014	E1668C	--	0.000847 U	--	0.000674 U	--
PCB-015	E1668C	--	0.168	--	0.335	--
PCB-016	E1668C	--	0.306	--	0.226	--
PCB-017	E1668C	--	1.283	--	0.725	--
PCB-018/030	E1668C	--	0.924	--	0.936	--
PCB-019	E1668C	--	6.093	--	1.654	--
PCB-020/028	E1668C	--	0.138	--	0.403	--
PCB-021/033	E1668C	--	0.22	--	0.134	--
PCB-022	E1668C	--	0.0192	--	0.0415	--
PCB-023	E1668C	--	0.00101 U	--	0.000873 U	--
PCB-024	E1668C	--	0.00759	--	0.00862	--
PCB-025	E1668C	--	0.225	--	0.218	--
PCB-026/029	E1668C	--	0.184	--	0.784	--
PCB-027	E1668C	--	0.802	--	0.442	--
PCB-031	E1668C	--	0.0953	--	0.379	--
PCB-032	E1668C	--	0.719	--	0.596	--
PCB-034	E1668C	--	0.000920 U	--	0.000781 U	--
PCB-035	E1668C	--	0.000784 U	--	0.000626 U	--
PCB-036	E1668C	--	0.000651 U	--	0.000504 U	--
PCB-037	E1668C	--	0.0091	--	0.0536	--
PCB-038	E1668C	--	0.00358 J	--	0.0099	--
PCB-039	E1668C	--	0.000706 U	--	0.000543 U	--
PCB-040/071	E1668C	--	0.529	--	1.269	--
PCB-041	E1668C	--	0.0077	--	0.000576 U	--
PCB-042	E1668C	--	0.388	--	1.571	--
PCB-043	E1668C	--	0.000665 U	--	0.0596	--
PCB-044/047/065	E1668C	--	4.091	--	10.01	--
PCB-045	E1668C	--	0.288	--	0.448	--
PCB-046	E1668C	--	0.615	--	0.283	--
PCB-048	E1668C	--	0.0285	--	0.139	--
PCB-049/069	E1668C	--	2.861	--	10.969 J	--
PCB-050/053	E1668C	--	6.326	--	2.552	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	DUP-080422 8/4/2022 1–2.03 ft	HR-SPME-DUP-080422 10/26/2022	HR-SPME-ST78-PW06-080422 10/26/2022	ST78-PW06-080422 8/4/2022 1–2.03 ft	HR-SPME-ST91-PW08-080422 10/26/2022
PCB-209	E1668C	0.207	--	--	0.254	--
Total PCB Congener (U = 0 max limit)		1300 J	--	--	1600 J	--
Total PCB Congener (U = 1/2 max limit)		1300 J	--	--	1600 J	--
PCB Congeners, Dissolved (SPME) (ng/L)						
PCB-001	E1668C	--	0.775	0.944	--	0.134
PCB-002	E1668C	--	0.00448 J	0.00303 J	--	0.000894 U
PCB-003	E1668C	--	0.0548	0.0703	--	0.00884
PCB-004	E1668C	--	9.094	8.472	--	1.532
PCB-005	E1668C	--	0.00895	0.00762	--	0.00102 J
PCB-006	E1668C	--	0.535	0.361	--	0.0263
PCB-007	E1668C	--	0.0713	0.0514	--	0.0037
PCB-008	E1668C	--	0.929	0.951	--	0.0796
PCB-009	E1668C	--	0.0494	0.0334	--	0.00265 J
PCB-010	E1668C	--	0.3	0.269	--	0.0756
PCB-011	E1668C	--	0.000845 U	0.000950 U	--	0.000389 U
PCB-012/013	E1668C	--	0.081	0.0656	--	0.0187
PCB-014	E1668C	--	0.000926 U	0.00104 U	--	0.000426 U
PCB-015	E1668C	--	0.539	0.537	--	0.248
PCB-016	E1668C	--	0.22	0.201	--	0.0701
PCB-017	E1668C	--	3.893	3.981	--	1.314
PCB-018/030	E1668C	--	1.237	1.073	--	0.345
PCB-019	E1668C	--	7.6	6.126	--	4.05
PCB-020/028	E1668C	--	0.863	0.592	--	0.206
PCB-021/033	E1668C	--	0.329	0.289	--	0.271
PCB-022	E1668C	--	0.0923	0.0802	--	0.0146
PCB-023	E1668C	--	0.00146 U	0.00135 U	--	0.000794 U
PCB-024	E1668C	--	0.00826	0.00742	--	0.00332
PCB-025	E1668C	--	1.667 J	0.672 J	--	0.22
PCB-026/029	E1668C	--	4.152 J	1.371 J	--	0.152
PCB-027	E1668C	--	1.906	1.66	--	0.969
PCB-031	E1668C	--	0.87 J	0.482 J	--	0.097
PCB-032	E1668C	--	1.253	1.161	--	0.927
PCB-034	E1668C	--	0.0211 J	0.00667 J	--	0.000699 U
PCB-035	E1668C	--	0.0114 J	0.00384 J	--	0.00122 J
PCB-036	E1668C	--	0.0103 J	0.00127 J	--	0.000453 U
PCB-037	E1668C	--	0.0546	0.0419	--	0.0259
PCB-038	E1668C	--	0.00939	0.00683 J	--	0.00552 J
PCB-039	E1668C	--	0.0071	0.00416	--	0.00249
PCB-040/071	E1668C	--	1.391	1.011	--	0.945
PCB-041	E1668C	--	0.000613 UJ	0.0124 J	--	0.017
PCB-042	E1668C	--	1.955 J	0.96 J	--	0.511
PCB-043	E1668C	--	0.0607 J	0.0346 J	--	0.000409 U
PCB-044/047/065	E1668C	--	12.646	7.677	--	8.069
PCB-045	E1668C	--	0.25 J	0.000903 UJ	--	0.000598 U
PCB-046	E1668C	--	0.583	0.511	--	0.349
PCB-048	E1668C	--	0.0602	0.0553	--	0.0731
PCB-049/069	E1668C	--	14.108 J	6.991 J	--	5.637
PCB-050/053	E1668C	--	6.91	5.888	--	6.243

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST91-PW08-080422 8/4/2022 1–2.35 ft	HR-SPME-ST99-PW09-080422 10/27/2022	ST99-PW09-080422 8/4/2022 1–2.15 ft
PCB-209	E1668C	0.108	--	0.0247
Total PCB Congener (U = 0 max limit)		1900 J	--	85 J
Total PCB Congener (U = 1/2 max limit)		1900 J	--	85 J
PCB Congeners, Dissolved (SPME) (ng/L)				
PCB-001	E1668C	--	0.000880 U	--
PCB-002	E1668C	--	0.000530 U	--
PCB-003	E1668C	--	0.00685 J	--
PCB-004	E1668C	--	0.00124 U	--
PCB-005	E1668C	--	0.000591 U	--
PCB-006	E1668C	--	0.000420 U	--
PCB-007	E1668C	--	0.00127 J	--
PCB-008	E1668C	--	0.000401 U	--
PCB-009	E1668C	--	0.00220 J	--
PCB-010	E1668C	--	0.000603 U	--
PCB-011	E1668C	--	0.000324 U	--
PCB-012/013	E1668C	--	0.0129	--
PCB-014	E1668C	--	0.000344 U	--
PCB-015	E1668C	--	0.0869	--
PCB-016	E1668C	--	0.0162	--
PCB-017	E1668C	--	0.307	--
PCB-018/030	E1668C	--	0.0819	--
PCB-019	E1668C	--	2.664	--
PCB-020/028	E1668C	--	0.0583	--
PCB-021/033	E1668C	--	0.101	--
PCB-022	E1668C	--	0.00386	--
PCB-023	E1668C	--	0.000456 U	--
PCB-024	E1668C	--	0.00159 J	--
PCB-025	E1668C	--	0.0775	--
PCB-026/029	E1668C	--	0.0429	--
PCB-027	E1668C	--	0.328	--
PCB-031	E1668C	--	0.0302	--
PCB-032	E1668C	--	0.374	--
PCB-034	E1668C	--	0.000322 J	--
PCB-035	E1668C	--	0.000328 U	--
PCB-036	E1668C	--	0.000262 U	--
PCB-037	E1668C	--	0.00987	--
PCB-038	E1668C	--	0.00141 J	--
PCB-039	E1668C	--	0.000286 U	--
PCB-040/071	E1668C	--	0.313	--
PCB-041	E1668C	--	0.00377	--
PCB-042	E1668C	--	0.138	--
PCB-043	E1668C	--	0.00594	--
PCB-044/047/065	E1668C	--	3.231	--
PCB-045	E1668C	--	0.000316 U	--
PCB-046	E1668C	--	0.114	--
PCB-048	E1668C	--	0.0124	--
PCB-049/069	E1668C	--	1.717	--
PCB-050/053	E1668C	--	2.12	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-MB-SPME-20220824 8/24/2022	HR-PW-SPME-C0-1-PRC-20220824 8/24/2022	HR-PW-SPME-C0-2-PRC-20220824 8/24/2022	HR-PW-SPME-C0-3-PRC-20220824 8/24/2022	HR-PW-SPME-C0-4-PRC-20220824 8/24/2022
PCB-051	E1668C	--	--	--	--	--
PCB-052	E1668C	--	--	--	--	--
PCB-054	E1668C	--	--	--	--	--
PCB-055	E1668C	--	--	--	--	--
PCB-056	E1668C	--	--	--	--	--
PCB-057	E1668C	--	--	--	--	--
PCB-058	E1668C	--	--	--	--	--
PCB-059/062/075	E1668C	--	--	--	--	--
PCB-060	E1668C	--	--	--	--	--
PCB-061/070/074/076	E1668C	--	--	--	--	--
PCB-063	E1668C	--	--	--	--	--
PCB-064	E1668C	--	--	--	--	--
PCB-066	E1668C	--	--	--	--	--
PCB-067	E1668C	--	--	--	--	--
PCB-068	E1668C	--	--	--	--	--
PCB-072	E1668C	--	--	--	--	--
PCB-073	E1668C	--	--	--	--	--
PCB-077	E1668C	--	--	--	--	--
PCB-078	E1668C	--	--	--	--	--
PCB-079	E1668C	--	--	--	--	--
PCB-080	E1668C	--	--	--	--	--
PCB-081	E1668C	--	--	--	--	--
PCB-082	E1668C	--	--	--	--	--
PCB-083	E1668C	--	--	--	--	--
PCB-084	E1668C	--	--	--	--	--
PCB-085/116	E1668C	--	--	--	--	--
PCB-086/087/097/109/119/125	E1668C	--	--	--	--	--
PCB-088	E1668C	--	--	--	--	--
PCB-089	E1668C	--	--	--	--	--
PCB-090/101/113	E1668C	--	--	--	--	--
PCB-091	E1668C	--	--	--	--	--
PCB-092	E1668C	--	--	--	--	--
PCB-093/100	E1668C	--	--	--	--	--
PCB-094	E1668C	--	--	--	--	--
PCB-095	E1668C	--	--	--	--	--
PCB-096	E1668C	--	--	--	--	--
PCB-098	E1668C	--	--	--	--	--
PCB-099	E1668C	--	--	--	--	--
PCB-102	E1668C	--	--	--	--	--
PCB-103	E1668C	--	--	--	--	--
PCB-104	E1668C	--	--	--	--	--
PCB-105	E1668C	--	--	--	--	--
PCB-106	E1668C	--	--	--	--	--
PCB-107	E1668C	--	--	--	--	--
PCB-108/124	E1668C	--	--	--	--	--
PCB-110	E1668C	--	--	--	--	--
PCB-111	E1668C	--	--	--	--	--
PCB-112	E1668C	--	--	--	--	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-SPME-C0-5-PRC-20220824 8/24/2022	BW5A1-PW07-080422 8/4/2022 1–3 ft	HR-SPME-BW5A1-PW07-080422 10/27/2022	BW5A-S-PW13-080522 8/5/2022 1–2.06 ft	HR-SPME-BW5A-5-PW13-080522 10/27/2022
PCB-051	E1668C	--	--	0.000371 U	--	0.168
PCB-052	E1668C	--	--	0.0644	--	0.432
PCB-054	E1668C	--	--	0.000615 U	--	0.0644
PCB-055	E1668C	--	--	0.000265 U	--	0.00382 U
PCB-056	E1668C	--	--	0.000624 J	--	0.0411
PCB-057	E1668C	--	--	0.000273 U	--	0.00401 U
PCB-058	E1668C	--	--	0.000191 J	--	0.00343 U
PCB-059/062/075	E1668C	--	--	0.00427	--	0.00809
PCB-060	E1668C	--	--	0.000320 U	--	0.0258
PCB-061/070/074/076	E1668C	--	--	0.00602	--	0.307
PCB-063	E1668C	--	--	0.000374 J	--	0.00432 U
PCB-064	E1668C	--	--	0.00581	--	0.0355
PCB-066	E1668C	--	--	0.00564	--	0.106
PCB-067	E1668C	--	--	0.000233 U	--	0.00336 U
PCB-068	E1668C	--	--	0.00136	--	0.00354 U
PCB-072	E1668C	--	--	0.00155	--	0.00342 U
PCB-073	E1668C	--	--	0.00188	--	0.005
PCB-077	E1668C	--	--	0.000273 U	--	0.00329 U
PCB-078	E1668C	--	--	0.000251 U	--	0.00353 U
PCB-079	E1668C	--	--	0.000352 J	--	0.00779
PCB-080	E1668C	--	--	0.000217 U	--	0.00295 U
PCB-081	E1668C	--	--	0.000287 U	--	0.00402 U
PCB-082	E1668C	--	--	0.00294	--	0.0858
PCB-083	E1668C	--	--	0.00346	--	0.0716
PCB-084	E1668C	--	--	0.0164	--	0.373
PCB-085/116	E1668C	--	--	0.00723	--	0.131
PCB-086/087/097/109/119/125	E1668C	--	--	0.033	--	1.374
PCB-088	E1668C	--	--	0.00106 U	--	0.00506 U
PCB-089	E1668C	--	--	0.000906 U	--	0.00450 U
PCB-090/101/113	E1668C	--	--	0.0828	--	6.622 J
PCB-091	E1668C	--	--	0.0237	--	0.165
PCB-092	E1668C	--	--	0.0351	--	0.78
PCB-093/100	E1668C	--	--	0.00959	--	0.0459
PCB-094	E1668C	--	--	0.0046	--	0.0179
PCB-095	E1668C	--	--	0.108	--	4.52 J
PCB-096	E1668C	--	--	0.00384	--	0.0225
PCB-098	E1668C	--	--	0.000919	--	0.00426 U
PCB-099	E1668C	--	--	0.0395	--	0.461
PCB-102	E1668C	--	--	0.00332	--	0.0411
PCB-103	E1668C	--	--	0.00631	--	0.026
PCB-104	E1668C	--	--	0.0011	--	0.00417 J
PCB-105	E1668C	--	--	0.00357	--	0.434
PCB-106	E1668C	--	--	0.000447 U	--	0.00200 U
PCB-107	E1668C	--	--	0.00219	--	0.0593
PCB-108/124	E1668C	--	--	0.000445 U	--	0.0536
PCB-110	E1668C	--	--	0.0614	--	2.736 J
PCB-111	E1668C	--	--	0.000429 U	--	0.00204 U
PCB-112	E1668C	--	--	0.000438 U	--	0.00202 U

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST112-PW10-080422 10/27/2022	ST112-PW10-080422 8/4/2022 1–2.75 ft	HR-SPME-ST122-PW11-080522 10/27/2022	ST122-PW11-080522 8/5/2022 1–2.75 ft	HR-SPME-ST-134-PW12-080522 10/27/2022
PCB-051	E1668C	6.529 J	--	16.469 J	--	113.844 J
PCB-052	E1668C	6.172 J	--	43.427 J	--	17.306 J
PCB-054	E1668C	3.554	--	5.276	--	47.544 J
PCB-055	E1668C	0.00201 U	--	0.00719 U	--	0.00648 U
PCB-056	E1668C	0.0563	--	0.101	--	0.113
PCB-057	E1668C	0.00411	--	0.283	--	0.00705 U
PCB-058	E1668C	0.00182 U	--	0.0794	--	0.201
PCB-059/062/075	E1668C	0.179	--	0.845	--	1.403
PCB-060	E1668C	0.0119	--	0.00883 U	--	0.0142
PCB-061/070/074/076	E1668C	0.564	--	1.438	--	1.415
PCB-063	E1668C	0.0115	--	0.0821	--	0.153
PCB-064	E1668C	0.228	--	1.161	--	0.531
PCB-066	E1668C	0.328	--	1.681	--	2.427
PCB-067	E1668C	0.0265	--	0.264	--	0.0672
PCB-068	E1668C	0.0542	--	0.574	--	0.656
PCB-072	E1668C	0.0526	--	0.661	--	0.228
PCB-073	E1668C	0.165	--	0.601	--	1.772
PCB-077	E1668C	0.0122	--	0.0352	--	0.0669
PCB-078	E1668C	0.00180 U	--	0.00691 U	--	0.00677 U
PCB-079	E1668C	0.0178	--	0.0928	--	0.0427
PCB-080	E1668C	0.00154 U	--	0.00587 U	--	0.00597 U
PCB-081	E1668C	0.00213 U	--	0.00789 U	--	0.00772 U
PCB-082	E1668C	0.212	--	0.584	--	0.189
PCB-083	E1668C	0.278	--	1.762	--	0.281
PCB-084	E1668C	1.289	--	7.937 J	--	1.759
PCB-085/116	E1668C	0.446	--	1.097	--	0.408
PCB-086/087/097/109/119/125	E1668C	2.477	--	8.858	--	5.383
PCB-088	E1668C	0.0629 U	--	0.146 U	--	0.0821 U
PCB-089	E1668C	0.0602 U	--	0.13 U	--	0.0731 U
PCB-090/101/113	E1668C	7.627 J	--	25.441 J	--	16.758 J
PCB-091	E1668C	1.942	--	12.035 J	--	10.226 J
PCB-092	E1668C	1.735	--	12.448 J	--	4.469
PCB-093/100	E1668C	1.093	--	3.148	--	12.54 J
PCB-094	E1668C	0.309	--	2.14	--	2.675
PCB-095	E1668C	9.824 J	--	33.442 J	--	12.908 J
PCB-096	E1668C	0.4	--	2.044	--	1.882
PCB-098	E1668C	0.0365	--	0.401	--	0.0711 U
PCB-099	E1668C	1.613	--	11.764 J	--	9.012 J
PCB-102	E1668C	0.249	--	1.734	--	2.806
PCB-103	E1668C	0.561	--	2.869	--	5.47 J
PCB-104	E1668C	0.215	--	0.345	--	2.807
PCB-105	E1668C	0.357	--	0.655	--	0.409
PCB-106	E1668C	0.0271 U	--	0.0624 U	--	0.0424 U
PCB-107	E1668C	0.0781	--	0.47	--	0.272
PCB-108/124	E1668C	0.0585	--	0.138	--	0.0633
PCB-110	E1668C	4.142 J	--	19.686 J	--	6.084 J
PCB-111	E1668C	0.0264 U	--	0.0642 U	--	0.0451 U
PCB-112	E1668C	0.0283 U	--	0.0620 U	--	0.0397 U

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST134-PW12-080522 8/5/2022 1–2.6 ft	HR-SPME-ST152-PW14-080522 10/27/2022	ST152-PW14-080522 8/5/2022 1–1.62 ft	HR-SPME-ST167-PW15-080822 10/27/2022	ST167-PW15-080822 8/8/2022 1–2.2 ft
PCB-051	E1668C	--	3.019	--	0.992	--
PCB-052	E1668C	--	2.582	--	12.583 J	--
PCB-054	E1668C	--	1.433	--	1.749	--
PCB-055	E1668C	--	0.00428 U	--	0.0129 U	--
PCB-056	E1668C	--	0.0641	--	0.153	--
PCB-057	E1668C	--	0.00456 U	--	0.0133 U	--
PCB-058	E1668C	--	0.0255	--	0.0117 U	--
PCB-059/062/075	E1668C	--	0.103	--	0.223	--
PCB-060	E1668C	--	0.019	--	0.0233	--
PCB-061/070/074/076	E1668C	--	0.539	--	1.088	--
PCB-063	E1668C	--	0.00841	--	0.0142 U	--
PCB-064	E1668C	--	0.126	--	0.468	--
PCB-066	E1668C	--	0.36	--	0.779	--
PCB-067	E1668C	--	0.00837	--	0.0662	--
PCB-068	E1668C	--	0.0424	--	0.1	--
PCB-072	E1668C	--	0.0288	--	0.181	--
PCB-073	E1668C	--	0.0998	--	0.106	--
PCB-077	E1668C	--	0.0132	--	0.0635	--
PCB-078	E1668C	--	0.00408 U	--	0.0116 U	--
PCB-079	E1668C	--	0.019	--	0.0897	--
PCB-080	E1668C	--	0.00343 U	--	0.00995 U	--
PCB-081	E1668C	--	0.00462 U	--	0.0134 U	--
PCB-082	E1668C	--	0.216	--	0.879	--
PCB-083	E1668C	--	0.257	--	1.038	--
PCB-084	E1668C	--	0.997	--	5.443 J	--
PCB-085/116	E1668C	--	0.46	--	1.598	--
PCB-086/087/097/109/119/125	E1668C	--	2.779	--	9.571	--
PCB-088	E1668C	--	0.0849 U	--	0.17 U	--
PCB-089	E1668C	--	0.0754 U	--	0.144 U	--
PCB-090/101/113	E1668C	--	9.589 J	--	34.345 J	--
PCB-091	E1668C	--	1.987	--	4.193 J	--
PCB-092	E1668C	--	1.919	--	10.505 J	--
PCB-093/100	E1668C	--	1.397	--	0.568	--
PCB-094	E1668C	--	0.288	--	0.231	--
PCB-095	E1668C	--	9.211 J	--	47.585 J	--
PCB-096	E1668C	--	0.326	--	0.339	--
PCB-098	E1668C	--	0.0677	--	0.155	--
PCB-099	E1668C	--	2.121	--	11.093 J	--
PCB-102	E1668C	--	0.299	--	0.613	--
PCB-103	E1668C	--	0.564	--	2.107	--
PCB-104	E1668C	--	0.192	--	0.0326	--
PCB-105	E1668C	--	0.431	--	0.79	--
PCB-106	E1668C	--	0.0350 U	--	0.0661 U	--
PCB-107	E1668C	--	0.102	--	0.413	--
PCB-108/124	E1668C	--	0.0748	--	0.172	--
PCB-110	E1668C	--	5.15 J	--	18.414 J	--
PCB-111	E1668C	--	0.0356 U	--	0.0649 U	--
PCB-112	E1668C	--	0.0354 U	--	0.0666 U	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST177-PW16-080822 10/27/2022	ST177-PW16-080822 8/8/2022 1–2.45 ft	HR-SPME-ST18-PW1-080922 10/27/2022	ST18-PW1-080922 8/9/2022 1–1.65 ft	HR-SPME-ST190-PW17-080822 10/27/2022
PCB-051	E1668C	6.223 J	--	0.647	--	114.749 J
PCB-052	E1668C	0.823	--	3.596 J	--	26.808 J
PCB-054	E1668C	3.949	--	0.747	--	310.695 J
PCB-055	E1668C	0.000500 U	--	0.0041	--	0.00830 U
PCB-056	E1668C	0.00368	--	0.109	--	0.096
PCB-057	E1668C	0.000682	--	0.00623	--	0.0826
PCB-058	E1668C	0.011	--	0.00911	--	0.516
PCB-059/062/075	E1668C	0.0646	--	0.0743	--	1.677
PCB-060	E1668C	0.00101	--	0.011	--	0.0235
PCB-061/070/074/076	E1668C	0.043	--	0.781	--	1.671
PCB-063	E1668C	0.00411	--	0.0107	--	0.111
PCB-064	E1668C	0.0172	--	0.218	--	0.638
PCB-066	E1668C	0.0518	--	0.306	--	1.829
PCB-067	E1668C	0.00184	--	0.0574	--	0.103
PCB-068	E1668C	0.0173	--	0.0166	--	1.284
PCB-072	E1668C	0.00629	--	0.0317	--	0.616
PCB-073	E1668C	0.0942	--	0.0177	--	8.717 J
PCB-077	E1668C	0.000816	--	0.00626	--	0.045
PCB-078	E1668C	0.000400 U	--	0.00109 U	--	0.00816 U
PCB-079	E1668C	0.00108	--	0.012	--	0.0736
PCB-080	E1668C	0.000318 U	--	0.000859 U	--	0.00702 U
PCB-081	E1668C	0.000460 U	--	0.00125 U	--	0.00934 U
PCB-082	E1668C	0.0066	--	0.176	--	0.176 U
PCB-083	E1668C	0.0142	--	0.16	--	0.627
PCB-084	E1668C	0.0685	--	1.488	--	2.865
PCB-085/116	E1668C	0.00928	--	0.214	--	0.335
PCB-086/087/097/109/119/125	E1668C	0.164	--	1.227	--	5.867
PCB-088	E1668C	0.00242 U	--	0.00114 U	--	0.209 U
PCB-089	E1668C	0.00232 U	--	0.0147	--	0.186 U
PCB-090/101/113	E1668C	0.48	--	2.107	--	19.528 J
PCB-091	E1668C	0.339	--	0.652	--	10.59 J
PCB-092	E1668C	0.111	--	0.539	--	7.357 J
PCB-093/100	E1668C	0.607	--	0.0677	--	28.143 J
PCB-094	E1668C	0.132	--	0.0297	--	3.531 J
PCB-095	E1668C	0.399	--	3.97 J	--	16.75 J
PCB-096	E1668C	0.2	--	0.0932	--	3.439
PCB-098	E1668C	0.0197	--	0.0192	--	0.179 U
PCB-099	E1668C	0.106	--	0.754	--	12.518 J
PCB-102	E1668C	0.0577	--	0.0692	--	4.099 J
PCB-103	E1668C	0.213	--	0.084	--	6.7 J
PCB-104	E1668C	0.193	--	0.00903	--	5.564 J
PCB-105	E1668C	0.0143	--	0.149	--	0.468
PCB-106	E1668C	0.000750 U	--	0.000728	--	0.0952 U
PCB-107	E1668C	0.00401	--	0.0341	--	0.596
PCB-108/124	E1668C	0.00185	--	0.022	--	0.10 U
PCB-110	E1668C	0.145	--	1.833 J	--	8.796 J
PCB-111	E1668C	0.000655 U	--	0.00134	--	0.0993 U
PCB-112	E1668C	0.000880 U	--	0.000406 U	--	0.0925 U

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST190-PW17-080822 8/8/2022 1–2.6 ft	HR-SPME-ST197-PW18-080822 10/27/2022	ST197-PW18-080822 8/8/2022 1–2.45 ft	HR-SPME-ST-215-PW19-080822 10/27/2022	ST215-PW19-080822 8/8/2022 1–2.7 ft
PCB-051	E1668C	--	0.415	--	5.316	--
PCB-052	E1668C	--	2.654	--	15.941 J	--
PCB-054	E1668C	--	0.164	--	2.203	--
PCB-055	E1668C	--	0.00264 U	--	0.0129 U	--
PCB-056	E1668C	--	0.0999	--	0.456	--
PCB-057	E1668C	--	0.00273 U	--	0.0567	--
PCB-058	E1668C	--	0.00361	--	0.0114 U	--
PCB-059/062/075	E1668C	--	0.0712	--	0.468	--
PCB-060	E1668C	--	0.0286	--	0.0899	--
PCB-061/070/074/076	E1668C	--	0.636	--	2.822	--
PCB-063	E1668C	--	0.0075	--	0.0795	--
PCB-064	E1668C	--	0.229	--	1.155	--
PCB-066	E1668C	--	0.315	--	1.477	--
PCB-067	E1668C	--	0.0164	--	0.139	--
PCB-068	E1668C	--	0.022	--	0.1	--
PCB-072	E1668C	--	0.0284	--	0.147	--
PCB-073	E1668C	--	0.0186	--	0.167	--
PCB-077	E1668C	--	0.0189	--	0.0745	--
PCB-078	E1668C	--	0.00243 U	--	0.0104 U	--
PCB-079	E1668C	--	0.0214	--	0.055	--
PCB-080	E1668C	--	0.00210 U	--	0.00839 U	--
PCB-081	E1668C	--	0.00287 U	--	0.0120 U	--
PCB-082	E1668C	--	0.216	--	0.437	--
PCB-083	E1668C	--	0.34	--	0.808	--
PCB-084	E1668C	--	1.359	--	4.062 J	--
PCB-085/116	E1668C	--	0.404	--	0.639	--
PCB-086/087/097/109/119/125	E1668C	--	2.2	--	6.309	--
PCB-088	E1668C	--	0.0417 U	--	0.151 U	--
PCB-089	E1668C	--	0.0398 U	--	0.128 U	--
PCB-090/101/113	E1668C	--	6.61	--	23.321 J	--
PCB-091	E1668C	--	1.094	--	4.182 J	--
PCB-092	E1668C	--	1.631	--	7.405 J	--
PCB-093/100	E1668C	--	0.259	--	0.746	--
PCB-094	E1668C	--	0.0667	--	0.576	--
PCB-095	E1668C	--	8.264 J	--	33.904 J	--
PCB-096	E1668C	--	0.0995	--	0.721	--
PCB-098	E1668C	--	0.0404 U	--	0.124	--
PCB-099	E1668C	--	1.708	--	6.724 J	--
PCB-102	E1668C	--	0.103	--	0.599	--
PCB-103	E1668C	--	0.214	--	1.864	--
PCB-104	E1668C	--	0.0246	--	0.0799	--
PCB-105	E1668C	--	0.318	--	0.62	--
PCB-106	E1668C	--	0.0190 U	--	0.0455 U	--
PCB-107	E1668C	--	0.0787	--	0.316	--
PCB-108/124	E1668C	--	0.0569	--	0.102	--
PCB-110	E1668C	--	4.649 J	--	9.437 J	--
PCB-111	E1668C	--	0.0188 U	--	0.0422 U	--
PCB-112	E1668C	--	0.0195 U	--	0.0501 U	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST230-PW20-080822 10/27/2022	ST230-PW20-080822 8/8/2022 1–2.8 ft	HR-SPME-ST33-PW-2-080322 10/26/2022	ST33-PW-2-080322 8/3/2022 1–2.05 ft	HR-SPME-ST43-PW-3-080322 10/26/2022
PCB-051	E1668C	14.636 J	--	1.186	--	91.833 J
PCB-052	E1668C	23.451 J	--	2.696	--	67.925 J
PCB-054	E1668C	3.137	--	0.645	--	54.724 J
PCB-055	E1668C	0.0348 U	--	0.00545 U	--	0.00991 U
PCB-056	E1668C	0.658	--	0.098	--	0.1
PCB-057	E1668C	3.582	--	0.00546 U	--	0.189
PCB-058	E1668C	0.136	--	0.00486 U	--	0.0311
PCB-059/062/075	E1668C	0.762	--	0.0872	--	2.741
PCB-060	E1668C	0.177	--	0.0251	--	0.0120 U
PCB-061/070/074/076	E1668C	6.295	--	0.863	--	1.747
PCB-063	E1668C	0.0661	--	0.0166	--	0.251
PCB-064	E1668C	1.641	--	0.239	--	0.961
PCB-066	E1668C	3.193	--	0.522	--	1.581
PCB-067	E1668C	0.0564	--	0.0581	--	0.266
PCB-068	E1668C	0.223	--	0.0306	--	1.059
PCB-072	E1668C	0.167	--	0.0339	--	1.002
PCB-073	E1668C	0.583	--	0.0264	--	3.73 J
PCB-077	E1668C	0.153	--	0.0187	--	0.0369
PCB-078	E1668C	0.0390 U	--	0.00455 U	--	0.00840 U
PCB-079	E1668C	0.657	--	0.0185	--	0.0557
PCB-080	E1668C	0.0378 U	--	0.00363 U	--	0.00692 U
PCB-081	E1668C	0.0454 U	--	0.00518 U	--	0.00966 U
PCB-082	E1668C	1.664	--	0.193	--	0.195
PCB-083	E1668C	2.069	--	0.286	--	0.817
PCB-084	E1668C	9.762 J	--	1.489	--	3.322 J
PCB-085/116	E1668C	2.77	--	0.278	--	0.32
PCB-086/087/097/109/119/125	E1668C	23.839	--	2.134	--	3.74
PCB-088	E1668C	0.50 U	--	0.000322 U	--	0.207 U
PCB-089	E1668C	0.423 U	--	0.0214	--	0.175 U
PCB-090/101/113	E1668C	116.379 J	--	5.863	--	11.789 J
PCB-091	E1668C	11.631 J	--	2.097	--	9.24 J
PCB-092	E1668C	18.211 J	--	1.448	--	6.974 J
PCB-093/100	E1668C	4.869	--	0.552	--	7.688 J
PCB-094	E1668C	1.9	--	0.281	--	5.405 J
PCB-095	E1668C	102.85 J	--	7.711 J	--	12.455 J
PCB-096	E1668C	1.909	--	0.514	--	4.817
PCB-098	E1668C	0.399 U	--	0.000246 U	--	0.577
PCB-099	E1668C	14.882 J	--	2.653 J	--	5.317 J
PCB-102	E1668C	2.283	--	0.472	--	1.981
PCB-103	E1668C	3.489	--	0.537	--	4.44 J
PCB-104	E1668C	0.513	--	0.0742	--	1.946
PCB-105	E1668C	5.915 J	--	0.292	--	0.406
PCB-106	E1668C	0.33 U	--	0.0000974 U	--	0.0692 U
PCB-107	E1668C	1.235	--	0.102	--	0.245
PCB-108/124	E1668C	0.845	--	0.044	--	0.0678 U
PCB-110	E1668C	48.857 J	--	3.243 J	--	4.839 J
PCB-111	E1668C	0.364 U	--	0.00634	--	0.0657 U
PCB-112	E1668C	0.277 U	--	0.000108 U	--	0.236

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST43-PW-3-080322 8/3/2022 1–1.85 ft	HR-SPME-ST53-PW-4-080322 10/26/2022	ST53-PW-4-080322 8/3/2022 1–2.4 ft	HR-SPME-ST69-PW-5-080322 10/26/2022	ST69-PW-5-080322 8/3/2022 1–2.6 ft
PCB-051	E1668C	--	5.358	--	2.528	--
PCB-052	E1668C	--	5.797 J	--	23.835 J	--
PCB-054	E1668C	--	3.975	--	0.872	--
PCB-055	E1668C	--	0.00101 U	--	0.00819 U	--
PCB-056	E1668C	--	0.0264	--	0.163	--
PCB-057	E1668C	--	0.00106 U	--	0.0128	--
PCB-058	E1668C	--	0.0044	--	0.00749 U	--
PCB-059/062/075	E1668C	--	0.0946	--	0.294	--
PCB-060	E1668C	--	0.00231	--	0.025	--
PCB-061/070/074/076	E1668C	--	0.271	--	1.727	--
PCB-063	E1668C	--	0.00112 U	--	0.0135	--
PCB-064	E1668C	--	0.111	--	0.747	--
PCB-066	E1668C	--	0.187	--	0.956	--
PCB-067	E1668C	--	0.0107	--	0.0764	--
PCB-068	E1668C	--	0.0234	--	0.098	--
PCB-072	E1668C	--	0.0298	--	0.186	--
PCB-073	E1668C	--	0.136	--	0.107	--
PCB-077	E1668C	--	0.00656	--	0.042	--
PCB-078	E1668C	--	0.00105 U	--	0.00760 U	--
PCB-079	E1668C	--	0.0103	--	0.0638	--
PCB-080	E1668C	--	0.000960 U	--	0.00646 U	--
PCB-081	E1668C	--	0.00121 U	--	0.00866 U	--
PCB-082	E1668C	--	0.108	--	0.699	--
PCB-083	E1668C	--	0.0779	--	0.764	--
PCB-084	E1668C	--	1.553	--	6.477 J	--
PCB-085/116	E1668C	--	0.155	--	0.993	--
PCB-086/087/097/109/119/125	E1668C	--	1.115	--	7.604	--
PCB-088	E1668C	--	0.0197 U	--	0.203 U	--
PCB-089	E1668C	--	0.0168 U	--	0.172 U	--
PCB-090/101/113	E1668C	--	4.318	--	22.486 J	--
PCB-091	E1668C	--	1.352	--	4.163 J	--
PCB-092	E1668C	--	1.035	--	6.204 J	--
PCB-093/100	E1668C	--	0.369	--	1.318	--
PCB-094	E1668C	--	0.259	--	0.331	--
PCB-095	E1668C	--	12.531 J	--	35.142 J	--
PCB-096	E1668C	--	0.591	--	0.545	--
PCB-098	E1668C	--	0.0427	--	0.118	--
PCB-099	E1668C	--	0.98	--	5.925 J	--
PCB-102	E1668C	--	0.171	--	0.54	--
PCB-103	E1668C	--	0.431	--	1.518	--
PCB-104	E1668C	--	0.0894	--	0.128	--
PCB-105	E1668C	--	0.0569	--	0.903	--
PCB-106	E1668C	--	0.0105 U	--	0.0803 U	--
PCB-107	E1668C	--	0.0218	--	0.259	--
PCB-108/124	E1668C	--	0.0132	--	0.144	--
PCB-110	E1668C	--	2.415	--	13.084 J	--
PCB-111	E1668C	--	0.0105 U	--	0.0751 U	--
PCB-112	E1668C	--	0.00953 U	--	0.0806 U	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	DUP-080422 8/4/2022 1–2.03 ft	HR-SPME-DUP-080422 10/26/2022	HR-SPME-ST78-PW06-080422 10/26/2022	ST78-PW06-080422 8/4/2022 1–2.03 ft	HR-SPME-ST91-PW08-080422 10/26/2022
PCB-051	E1668C	--	6.205	5.906	--	6.784 J
PCB-052	E1668C	--	21.888 J	11.601 J	--	6.78 J
PCB-054	E1668C	--	3.11	2.403	--	3.59
PCB-055	E1668C	--	0.0142 U	0.00572 U	--	0.00366 U
PCB-056	E1668C	--	0.136	0.109	--	0.0751
PCB-057	E1668C	--	0.108 J	0.0370 J	--	0.00381 U
PCB-058	E1668C	--	0.0436 J	0.0206 J	--	0.00339 U
PCB-059/062/075	E1668C	--	0.402	0.264	--	0.229
PCB-060	E1668C	--	0.0172 U	0.011	--	0.0143
PCB-061/070/074/076	E1668C	--	1.684	1.056	--	0.799
PCB-063	E1668C	--	0.0789 J	0.0338 J	--	0.00748
PCB-064	E1668C	--	0.562	0.399	--	0.282
PCB-066	E1668C	--	1.355	0.811	--	0.518
PCB-067	E1668C	--	0.123 J	0.0585 J	--	0.0354
PCB-068	E1668C	--	0.242 J	0.0817 J	--	0.0593
PCB-072	E1668C	--	0.367 J	0.132 J	--	0.0478
PCB-073	E1668C	--	0.216	0.18	--	0.199
PCB-077	E1668C	--	0.0463	0.0347	--	0.0169
PCB-078	E1668C	--	0.0125 U	0.00490 U	--	0.00362 U
PCB-079	E1668C	--	0.0823 J	0.0356 J	--	0.0206
PCB-080	E1668C	--	0.0103 U	0.00397 U	--	0.00324 U
PCB-081	E1668C	--	0.0142 U	0.00557 U	--	0.00417 U
PCB-082	E1668C	--	0.255	0.268	--	0.25
PCB-083	E1668C	--	0.161 UJ	0.361 J	--	0.205
PCB-084	E1668C	--	4.187 J	2.314 J	--	1.859
PCB-085/116	E1668C	--	0.349	0.447	--	0.457
PCB-086/087/097/109/119/125	E1668C	--	5.543	3.105	--	3.131
PCB-088	E1668C	--	0.192 U	0.108 U	--	0.106 U
PCB-089	E1668C	--	0.164 U	0.0924 U	--	0.0910 U
PCB-090/101/113	E1668C	--	16.464 J	8.124 J	--	11.591 J
PCB-091	E1668C	--	4.269 J	2.325 J	--	2.85
PCB-092	E1668C	--	9.968 J	3.388 J	--	2.445
PCB-093/100	E1668C	--	1.328	1.06	--	1.827
PCB-094	E1668C	--	0.555	0.468	--	0.496
PCB-095	E1668C	--	21.678 J	11.587 J	--	15.382 J
PCB-096	E1668C	--	0.577	0.508	--	0.677
PCB-098	E1668C	--	0.148 U	0.11	--	0.0846 U
PCB-099	E1668C	--	10.754 J	3.532 J	--	2.544
PCB-102	E1668C	--	0.625	0.376	--	0.498
PCB-103	E1668C	--	2.77 J	1.08 J	--	0.965
PCB-104	E1668C	--	0.158	0.152	--	0.266
PCB-105	E1668C	--	0.383	0.331	--	0.356
PCB-106	E1668C	--	0.0661 U	0.0348 U	--	0.0512 U
PCB-107	E1668C	--	0.587 J	0.191 J	--	0.107
PCB-108/124	E1668C	--	0.0637 U	0.0454	--	0.0726
PCB-110	E1668C	--	8.854 J	4.811 J	--	5.775 J
PCB-111	E1668C	--	0.0706 J	0.0312 UJ	--	0.0509 U
PCB-112	E1668C	--	0.0699 U	0.0377 U	--	0.0472 U

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST91-PW08-080422 8/4/2022 1–2.35 ft	HR-SPME-ST99-PW09-080422 10/27/2022	ST99-PW09-080422 8/4/2022 1–2.15 ft
PCB-051	E1668C	--	2.856	--
PCB-052	E1668C	--	1.733	--
PCB-054	E1668C	--	1.513	--
PCB-055	E1668C	--	0.000886 U	--
PCB-056	E1668C	--	0.019	--
PCB-057	E1668C	--	0.000913 U	--
PCB-058	E1668C	--	0.000805 U	--
PCB-059/062/075	E1668C	--	0.0734	--
PCB-060	E1668C	--	0.00298	--
PCB-061/070/074/076	E1668C	--	0.166	--
PCB-063	E1668C	--	0.00417	--
PCB-064	E1668C	--	0.0672	--
PCB-066	E1668C	--	0.132	--
PCB-067	E1668C	--	0.0111	--
PCB-068	E1668C	--	0.0238	--
PCB-072	E1668C	--	0.016	--
PCB-073	E1668C	--	0.0719	--
PCB-077	E1668C	--	0.00557	--
PCB-078	E1668C	--	0.000800 U	--
PCB-079	E1668C	--	0.006	--
PCB-080	E1668C	--	0.000680 U	--
PCB-081	E1668C	--	0.000942 U	--
PCB-082	E1668C	--	0.0655	--
PCB-083	E1668C	--	0.101	--
PCB-084	E1668C	--	0.392	--
PCB-085/116	E1668C	--	0.131	--
PCB-086/087/097/109/119/125	E1668C	--	0.861	--
PCB-088	E1668C	--	0.0209 U	--
PCB-089	E1668C	--	0.0199 U	--
PCB-090/101/113	E1668C	--	2.952	--
PCB-091	E1668C	--	0.732	--
PCB-092	E1668C	--	0.605	--
PCB-093/100	E1668C	--	0.517	--
PCB-094	E1668C	--	0.119	--
PCB-095	E1668C	--	3.531	--
PCB-096	E1668C	--	0.147	--
PCB-098	E1668C	--	0.0126	--
PCB-099	E1668C	--	0.63	--
PCB-102	E1668C	--	0.106	--
PCB-103	E1668C	--	0.239	--
PCB-104	E1668C	--	0.113	--
PCB-105	E1668C	--	0.0984	--
PCB-106	E1668C	--	0.00895 U	--
PCB-107	E1668C	--	0.0257	--
PCB-108/124	E1668C	--	0.0154	--
PCB-110	E1668C	--	1.509	--
PCB-111	E1668C	--	0.00871 U	--
PCB-112	E1668C	--	0.00942 U	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-MB-SPME-20220824 8/24/2022	HR-PW-SPME-C0-1-PRC-20220824 8/24/2022	HR-PW-SPME-C0-2-PRC-20220824 8/24/2022	HR-PW-SPME-C0-3-PRC-20220824 8/24/2022	HR-PW-SPME-C0-4-PRC-20220824 8/24/2022
PCB-114	E1668C	--	--	--	--	--
PCB-115	E1668C	--	--	--	--	--
PCB-117	E1668C	--	--	--	--	--
PCB-118	E1668C	--	--	--	--	--
PCB-120	E1668C	--	--	--	--	--
PCB-121	E1668C	--	--	--	--	--
PCB-122	E1668C	--	--	--	--	--
PCB-123	E1668C	--	--	--	--	--
PCB-126	E1668C	--	--	--	--	--
PCB-127	E1668C	--	--	--	--	--
PCB-128/166	E1668C	--	--	--	--	--
PCB-129/138/163	E1668C	--	--	--	--	--
PCB-130	E1668C	--	--	--	--	--
PCB-131	E1668C	--	--	--	--	--
PCB-132	E1668C	--	--	--	--	--
PCB-133	E1668C	--	--	--	--	--
PCB-134	E1668C	--	--	--	--	--
PCB-135/151	E1668C	--	--	--	--	--
PCB-136	E1668C	--	--	--	--	--
PCB-137	E1668C	--	--	--	--	--
PCB-139/140	E1668C	--	--	--	--	--
PCB-141	E1668C	--	--	--	--	--
PCB-142	E1668C	--	--	--	--	--
PCB-143	E1668C	--	--	--	--	--
PCB-144	E1668C	--	--	--	--	--
PCB-145	E1668C	--	--	--	--	--
PCB-146	E1668C	--	--	--	--	--
PCB-147/149	E1668C	--	--	--	--	--
PCB-148	E1668C	--	--	--	--	--
PCB-150	E1668C	--	--	--	--	--
PCB-152	E1668C	--	--	--	--	--
PCB-153/168	E1668C	--	--	--	--	--
PCB-154	E1668C	--	--	--	--	--
PCB-155	E1668C	--	--	--	--	--
PCB-156/157	E1668C	--	--	--	--	--
PCB-158	E1668C	--	--	--	--	--
PCB-159	E1668C	--	--	--	--	--
PCB-160	E1668C	--	--	--	--	--
PCB-161	E1668C	--	--	--	--	--
PCB-162	E1668C	--	--	--	--	--
PCB-164	E1668C	--	--	--	--	--
PCB-165	E1668C	--	--	--	--	--
PCB-167	E1668C	--	--	--	--	--
PCB-169	E1668C	--	--	--	--	--
PCB-170	E1668C	--	--	--	--	--
PCB-171/173	E1668C	--	--	--	--	--
PCB-172	E1668C	--	--	--	--	--
PCB-174	E1668C	--	--	--	--	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-SPME-C0-5-PRC-20220824 8/24/2022	BW5A1-PW07-080422 8/4/2022 1–3 ft	HR-SPME-BW5A1-PW07-080422 10/27/2022	BW5A-S-PW13-080522 8/5/2022 1–2.06 ft	HR-SPME-BW5A-5-PW13-080522 10/27/2022
PCB-114	E1668C	--	--	0.000440 U	--	0.0358
PCB-115	E1668C	--	--	0.000451 U	--	0.00190 U
PCB-117	E1668C	--	--	0.00271	--	0.0211
PCB-118	E1668C	--	--	0.0154	--	1.748 J
PCB-120	E1668C	--	--	0.000764	--	0.00164 U
PCB-121	E1668C	--	--	0.000431 U	--	0.00191 U
PCB-122	E1668C	--	--	0.000552 U	--	0.0123
PCB-123	E1668C	--	--	0.000424 U	--	0.0164
PCB-126	E1668C	--	--	0.000390 U	--	0.00159 U
PCB-127	E1668C	--	--	0.000426 U	--	0.00404
PCB-128/166	E1668C	--	--	0.00616	--	1.65
PCB-129/138/163	E1668C	--	--	0.0683	--	20.009 J
PCB-130	E1668C	--	--	0.00539	--	0.703
PCB-131	E1668C	--	--	0.000852	--	0.178
PCB-132	E1668C	--	--	0.0252	--	5.424 J
PCB-133	E1668C	--	--	0.00198	--	0.181
PCB-134	E1668C	--	--	0.00629	--	0.937
PCB-135/151	E1668C	--	--	0.0536	--	9.255 J
PCB-136	E1668C	--	--	0.0239	--	4.304 J
PCB-137	E1668C	--	--	0.00107	--	0.119
PCB-139/140	E1668C	--	--	0.00151	--	0.0564
PCB-141	E1668C	--	--	0.000357 U	--	6.007 J
PCB-142	E1668C	--	--	0.000444 U	--	0.00113 U
PCB-143	E1668C	--	--	0.000378 U	--	0.00100 U
PCB-144	E1668C	--	--	0.00404	--	1.794 J
PCB-145	E1668C	--	--	0.000362 U	--	0.000992 U
PCB-146	E1668C	--	--	0.0143	--	2.404 J
PCB-147/149	E1668C	--	--	0.0915	--	17.897 J
PCB-148	E1668C	--	--	0.000472 J	--	0.0032
PCB-150	E1668C	--	--	0.000825 J	--	0.0063
PCB-152	E1668C	--	--	0.000541 J	--	0.00597
PCB-153/168	E1668C	--	--	0.0651	--	19.668 J
PCB-154	E1668C	--	--	0.00269	--	0.0402
PCB-155	E1668C	--	--	0.000309 U	--	0.000826 U
PCB-156/157	E1668C	--	--	0.00168	--	1.398
PCB-158	E1668C	--	--	0.00453	--	2.093 J
PCB-159	E1668C	--	--	0.000538 J	--	0.385
PCB-160	E1668C	--	--	0.000281 U	--	0.000726 U
PCB-161	E1668C	--	--	0.000227 U	--	0.000559 U
PCB-162	E1668C	--	--	0.000272 U	--	0.0235
PCB-164	E1668C	--	--	0.00514	--	1.285
PCB-165	E1668C	--	--	0.000278 U	--	0.000676 U
PCB-167	E1668C	--	--	0.00126	--	0.516
PCB-169	E1668C	--	--	0.000423 U	--	0.00287 U
PCB-170	E1668C	--	--	0.00982	--	9.64 J
PCB-171/173	E1668C	--	--	0.00391	--	3.322 J
PCB-172	E1668C	--	--	0.00195	--	1.549 J
PCB-174	E1668C	--	--	0.0145	--	9.601 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST112-PW10-080422 10/27/2022	ST112-PW10-080422 8/4/2022 1–2.75 ft	HR-SPME-ST122-PW11-080522 10/27/2022	ST122-PW11-080522 8/5/2022 1–2.75 ft	HR-SPME-ST-134-PW12-080522 10/27/2022
PCB-114	E1668C	0.0291 U	--	0.0618 U	--	0.0465 U
PCB-115	E1668C	0.0264 U	--	0.0587 U	--	0.0381 U
PCB-117	E1668C	0.0977	--	0.565	--	1.139
PCB-118	E1668C	1.233	--	3.641 J	--	2.266
PCB-120	E1668C	0.0212 U	--	0.196	--	0.0947
PCB-121	E1668C	0.0254 U	--	0.0743	--	0.127
PCB-122	E1668C	0.0330 U	--	0.0720 U	--	0.0539 U
PCB-123	E1668C	0.0285 U	--	0.0659 U	--	0.0461 U
PCB-126	E1668C	0.00335	--	0.0092	--	0.00511
PCB-127	E1668C	0.0215 U	--	0.0580 U	--	0.0420 U
PCB-128/166	E1668C	0.585	--	1.381	--	0.888
PCB-129/138/163	E1668C	7.716 J	--	17.357 J	--	11.767
PCB-130	E1668C	0.374	--	1.004	--	0.576
PCB-131	E1668C	0.0883	--	0.158	--	0.0989
PCB-132	E1668C	3.687 J	--	8.265 J	--	3.897
PCB-133	E1668C	0.155	--	0.717	--	0.453
PCB-134	E1668C	0.684	--	1.908	--	0.919
PCB-135/151	E1668C	7.439 J	--	16.645 J	--	10.519 J
PCB-136	E1668C	4.43 J	--	9.187 J	--	5.17 J
PCB-137	E1668C	0.105	--	0.296	--	0.253
PCB-139/140	E1668C	0.0928	--	0.54	--	0.339
PCB-141	E1668C	2.703 J	--	3.676 J	--	2.663
PCB-142	E1668C	0.000236 U	--	0.00170 U	--	0.00382 U
PCB-143	E1668C	0.000206 U	--	0.00152 U	--	0.0899
PCB-144	E1668C	0.892	--	1.16	--	0.828
PCB-145	E1668C	0.00399	--	0.0114	--	0.00248 U
PCB-146	E1668C	1.357	--	4.562 J	--	3.075
PCB-147/149	E1668C	11.274 J	--	27.171 J	--	20.34 J
PCB-148	E1668C	0.0569	--	0.343	--	0.362
PCB-150	E1668C	0.106	--	0.445	--	0.536
PCB-152	E1668C	0.0663	--	0.225	--	0.373
PCB-153/168	E1668C	7.472 J	--	16.997 J	--	14.071 J
PCB-154	E1668C	0.238	--	1.595	--	1.568
PCB-155	E1668C	0.00927	--	0.0195	--	0.08
PCB-156/157	E1668C	0.256	--	0.525	--	0.378
PCB-158	E1668C	0.613	--	1.18	--	0.809
PCB-159	E1668C	0.102	--	0.165	--	0.158
PCB-160	E1668C	0.000146 U	--	0.00111 U	--	0.00282 U
PCB-161	E1668C	0.000108 U	--	0.000852 U	--	0.00225 U
PCB-162	E1668C	0.00684	--	0.0274	--	0.0162
PCB-164	E1668C	0.557	--	1.051	--	0.859
PCB-165	E1668C	0.0177	--	0.13	--	0.0625
PCB-167	E1668C	0.124	--	0.286	--	0.215
PCB-169	E1668C	0.000457 U	--	0.00226 U	--	0.00423 U
PCB-170	E1668C	1.473 J	--	3.027 J	--	2.458
PCB-171/173	E1668C	0.682	--	1.224	--	1.057
PCB-172	E1668C	0.297	--	0.58	--	0.546
PCB-174	E1668C	2.759 J	--	4.489 J	--	4.445 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST134-PW12-080522 8/5/2022 1–2.6 ft	HR-SPME-ST152-PW14-080522 10/27/2022	ST152-PW14-080522 8/5/2022 1–1.62 ft	HR-SPME-ST167-PW15-080822 10/27/2022	ST167-PW15-080822 8/8/2022 1–2.2 ft
PCB-114	E1668C	--	0.0298 U	--	0.0776 U	--
PCB-115	E1668C	--	0.0331 U	--	0.0706 U	--
PCB-117	E1668C	--	0.122	--	0.168	--
PCB-118	E1668C	--	1.799	--	4.196 J	--
PCB-120	E1668C	--	0.0284 U	--	0.196	--
PCB-121	E1668C	--	0.0332 U	--	0.0622 U	--
PCB-122	E1668C	--	0.0347 U	--	0.0873 U	--
PCB-123	E1668C	--	0.0365 U	--	0.0693 U	--
PCB-126	E1668C	--	0.00361	--	0.0175 J	--
PCB-127	E1668C	--	0.0244 U	--	0.0690 U	--
PCB-128/166	E1668C	--	1.143	--	3.345	--
PCB-129/138/163	E1668C	--	14.02 J	--	37.895 J	--
PCB-130	E1668C	--	0.575	--	2.028	--
PCB-131	E1668C	--	0.12	--	0.335	--
PCB-132	E1668C	--	4.869 J	--	16.846 J	--
PCB-133	E1668C	--	0.213	--	0.784	--
PCB-134	E1668C	--	0.922	--	3.266 J	--
PCB-135/151	E1668C	--	9.339 J	--	30.672 J	--
PCB-136	E1668C	--	5.649 J	--	22.627 J	--
PCB-137	E1668C	--	0.145	--	0.352	--
PCB-139/140	E1668C	--	0.12	--	0.557	--
PCB-141	E1668C	--	3.959 J	--	10.029 J	--
PCB-142	E1668C	--	0.00356 U	--	0.00260 U	--
PCB-143	E1668C	--	0.00316 U	--	0.00214 U	--
PCB-144	E1668C	--	1.238	--	3.294 J	--
PCB-145	E1668C	--	0.00263 U	--	0.00323 U	--
PCB-146	E1668C	--	1.986	--	7.575 J	--
PCB-147/149	E1668C	--	17.3 J	--	53.427 J	--
PCB-148	E1668C	--	0.0649	--	0.18	--
PCB-150	E1668C	--	0.128	--	0.339	--
PCB-152	E1668C	--	0.0951	--	0.0475	--
PCB-153/168	E1668C	--	13.409 J	--	36.869 J	--
PCB-154	E1668C	--	0.305	--	1.229	--
PCB-155	E1668C	--	0.0149	--	0.00628	--
PCB-156/157	E1668C	--	0.608	--	1.104	--
PCB-158	E1668C	--	1.138	--	2.778 J	--
PCB-159	E1668C	--	0.192	--	0.55	--
PCB-160	E1668C	--	0.00223 U	--	0.00148 U	--
PCB-161	E1668C	--	0.00168 U	--	0.00116 U	--
PCB-162	E1668C	--	0.0133	--	0.0567	--
PCB-164	E1668C	--	0.865	--	2.428 J	--
PCB-165	E1668C	--	0.00205 U	--	0.00139 U	--
PCB-167	E1668C	--	0.263	--	0.75	--
PCB-169	E1668C	--	0.00376 U	--	0.00406 U	--
PCB-170	E1668C	--	3.849 J	--	9.953 J	--
PCB-171/173	E1668C	--	1.516	--	3.735 J	--
PCB-172	E1668C	--	0.699	--	1.683 J	--
PCB-174	E1668C	--	5.353 J	--	12.935 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST177-PW16-080822 10/27/2022	ST177-PW16-080822 8/8/2022 1–2.45 ft	HR-SPME-ST18-PW1-080922 10/27/2022	ST18-PW1-080922 8/9/2022 1–1.65 ft	HR-SPME-ST190-PW17-080822 10/27/2022
PCB-114	E1668C	0.00121	--	0.00995	--	0.102 U
PCB-115	E1668C	0.000828 U	--	0.000381 U	--	0.0879 U
PCB-117	E1668C	0.0258	--	0.0419	--	0.834
PCB-118	E1668C	0.0596	--	0.546	--	3.054 J
PCB-120	E1668C	0.00101	--	0.00588	--	0.24
PCB-121	E1668C	0.00387	--	0.00112	--	0.543
PCB-122	E1668C	0.000887 U	--	0.000404 U	--	0.119 U
PCB-123	E1668C	0.000689 U	--	0.00819	--	0.101 U
PCB-126	E1668C	0.000255 U	--	0.000338 U	--	0.00434 U
PCB-127	E1668C	0.000485 U	--	0.000228 U	--	0.0731 U
PCB-128/166	E1668C	0.0547	--	0.207	--	1.664
PCB-129/138/163	E1668C	0.623	--	1.793	--	21.726 J
PCB-130	E1668C	0.0273	--	0.111	--	1.047
PCB-131	E1668C	0.00725	--	0.0311	--	0.181
PCB-132	E1668C	0.226	--	0.884	--	7.419 J
PCB-133	E1668C	0.0118	--	0.0265	--	0.797
PCB-134	E1668C	0.0543	--	0.203	--	1.893
PCB-135/151	E1668C	0.437	--	1.161	--	17.507 J
PCB-136	E1668C	0.283	--	0.904	--	8.062 J
PCB-137	E1668C	0.00715	--	0.0425	--	0.386
PCB-139/140	E1668C	0.00627	--	0.031	--	0.628
PCB-141	E1668C	0.203	--	0.503	--	5.407 J
PCB-142	E1668C	0.000335 U	--	0.000359 U	--	0.00356 U
PCB-143	E1668C	0.000262 U	--	0.000279 U	--	0.244
PCB-144	E1668C	0.0716	--	0.181	--	1.643
PCB-145	E1668C	0.000313 U	--	0.00139	--	0.0661
PCB-146	E1668C	0.0953	--	0.281	--	5.753 J
PCB-147/149	E1668C	0.811	--	2.183 J	--	30.544 J
PCB-148	E1668C	0.00781	--	0.00601	--	0.479
PCB-150	E1668C	0.0203	--	0.016	--	0.73
PCB-152	E1668C	0.02	--	0.00489	--	0.802
PCB-153/168	E1668C	0.581	--	1.494 J	--	25.523 J
PCB-154	E1668C	0.0198	--	0.0407	--	2.162
PCB-155	E1668C	0.00377	--	0.000354	--	0.318
PCB-156/157	E1668C	0.0301	--	0.0796	--	1.076
PCB-158	E1668C	0.0594	--	0.158	--	1.855
PCB-159	E1668C	0.0104	--	0.0236	--	0.399
PCB-160	E1668C	0.000151 U	--	0.000160 U	--	0.00244 U
PCB-161	E1668C	0.000108 U	--	0.000114 U	--	0.00190 U
PCB-162	E1668C	0.00077	--	0.00161	--	0.0277
PCB-164	E1668C	0.0374	--	0.11	--	1.397
PCB-165	E1668C	0.000968	--	0.000144 U	--	0.126
PCB-167	E1668C	0.0121	--	0.035	--	0.485
PCB-169	E1668C	0.000225 U	--	0.000242 U	--	0.00554 U
PCB-170	E1668C	0.236	--	0.594 J	--	8.601 J
PCB-171/173	E1668C	0.111	--	0.289	--	3.037
PCB-172	E1668C	0.0436	--	0.111	--	1.577
PCB-174	E1668C	0.31	--	0.757 J	--	9.852 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST190-PW17-080822 8/8/2022 1–2.6 ft	HR-SPME-ST197-PW18-080822 10/27/2022	ST197-PW18-080822 8/8/2022 1–2.45 ft	HR-SPME-ST-215-PW19-080822 10/27/2022	ST215-PW19-080822 8/8/2022 1–2.7 ft
PCB-114	E1668C	--	0.0215 U	--	0.0532 U	--
PCB-115	E1668C	--	0.0183 U	--	0.0521 U	--
PCB-117	E1668C	--	0.0645	--	0.178	--
PCB-118	E1668C	--	1.392	--	3.36 J	--
PCB-120	E1668C	--	0.0289	--	0.0872	--
PCB-121	E1668C	--	0.0178 U	--	0.0430 U	--
PCB-122	E1668C	--	0.0243 U	--	0.0599 U	--
PCB-123	E1668C	--	0.0235	--	0.0257	--
PCB-126	E1668C	--	0.000828 U	--	0.0105	--
PCB-127	E1668C	--	0.0169 U	--	0.0296 U	--
PCB-128/166	E1668C	--	1.134	--	1.719	--
PCB-129/138/163	E1668C	--	12.31 J	--	21.488 J	--
PCB-130	E1668C	--	0.717	--	1.111	--
PCB-131	E1668C	--	0.127	--	0.194	--
PCB-132	E1668C	--	5.365 J	--	9.73 J	--
PCB-133	E1668C	--	0.243	--	0.419	--
PCB-134	E1668C	--	0.994	--	1.886 J	--
PCB-135/151	E1668C	--	9.019 J	--	19.48 J	--
PCB-136	E1668C	--	4.519 J	--	16.009 J	--
PCB-137	E1668C	--	0.126	--	0.301	--
PCB-139/140	E1668C	--	0.142	--	0.26	--
PCB-141	E1668C	--	3.988 J	--	6.059 J	--
PCB-142	E1668C	--	0.000524 U	--	0.00332 U	--
PCB-143	E1668C	--	0.000464 U	--	0.00262 U	--
PCB-144	E1668C	--	1.179	--	2.059 J	--
PCB-145	E1668C	--	0.00392	--	0.00315 U	--
PCB-146	E1668C	--	2.313 J	--	4.105 J	--
PCB-147/149	E1668C	--	14.304 J	--	31.586 J	--
PCB-148	E1668C	--	0.0436	--	0.103	--
PCB-150	E1668C	--	0.0698	--	0.245	--
PCB-152	E1668C	--	0.0309	--	0.0749	--
PCB-153/168	E1668C	--	11.371 J	--	19.728 J	--
PCB-154	E1668C	--	0.25	--	0.689	--
PCB-155	E1668C	--	0.00418	--	0.00439	--
PCB-156/157	E1668C	--	0.456	--	0.887	--
PCB-158	E1668C	--	1.127	--	1.533 J	--
PCB-159	E1668C	--	0.18	--	0.334	--
PCB-160	E1668C	--	0.000338 U	--	0.00155 U	--
PCB-161	E1668C	--	0.000253 U	--	0.00114 U	--
PCB-162	E1668C	--	0.0189	--	0.0255	--
PCB-164	E1668C	--	0.963	--	1.18 J	--
PCB-165	E1668C	--	0.0129	--	0.00138 U	--
PCB-167	E1668C	--	0.292	--	0.354	--
PCB-169	E1668C	--	0.000911 U	--	0.00191 U	--
PCB-170	E1668C	--	3.83 J	--	6.514 J	--
PCB-171/173	E1668C	--	1.53	--	2.561 J	--
PCB-172	E1668C	--	0.785	--	1.074 J	--
PCB-174	E1668C	--	5.141 J	--	8.512 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST230-PW20-080822 10/27/2022	ST230-PW20-080822 8/8/2022 1–2.8 ft	HR-SPME-ST33-PW-2-080322 10/26/2022	ST33-PW-2-080322 8/3/2022 1–2.05 ft	HR-SPME-ST43-PW-3-080322 10/26/2022
PCB-114	E1668C	0.391 U	--	0.0213	--	0.0771 U
PCB-115	E1668C	0.304 U	--	0.000109 U	--	0.0769 U
PCB-117	E1668C	0.795	--	0.119	--	0.955
PCB-118	E1668C	24.653 J	--	1.092	--	1.833 J
PCB-120	E1668C	0.297 U	--	0.0328	--	0.0798
PCB-121	E1668C	0.311 U	--	0.0073	--	0.144
PCB-122	E1668C	0.435 U	--	0.000118 U	--	0.0871 U
PCB-123	E1668C	0.382 U	--	0.0175	--	0.0706 U
PCB-126	E1668C	0.0102 U	--	0.000530 U	--	0.00223 U
PCB-127	E1668C	0.379 U	--	0.00226	--	0.0546 U
PCB-128/166	E1668C	24.297 J	--	0.374	--	1.063
PCB-129/138/163	E1668C	222.144 J	--	5.305 J	--	13.06 J
PCB-130	E1668C	8.592 J	--	0.326	--	0.699
PCB-131	E1668C	2	--	0.0608	--	0.125
PCB-132	E1668C	68.209 J	--	2.612 J	--	4.845 J
PCB-133	E1668C	3.02	--	0.119	--	0.516
PCB-134	E1668C	12.688 J	--	0.59	--	1.465
PCB-135/151	E1668C	130.679 J	--	4.601 J	--	12.118 J
PCB-136	E1668C	59.586 J	--	4.023 J	--	7.697 J
PCB-137	E1668C	1.872	--	0.000147 U	--	0.247
PCB-139/140	E1668C	1.027	--	0.116	--	0.326
PCB-141	E1668C	73.037 J	--	1.366	--	2.909 J
PCB-142	E1668C	0.00331 U	--	0.000236 U	--	0.00194 U
PCB-143	E1668C	0.00297 U	--	0.000190 U	--	0.00156 U
PCB-144	E1668C	21.766 J	--	0.488	--	0.916
PCB-145	E1668C	0.0374	--	0.000249 U	--	0.00172 U
PCB-146	E1668C	34.515 J	--	1.094	--	2.965 J
PCB-147/149	E1668C	216.657 J	--	7.838 J	--	19.927 J
PCB-148	E1668C	0.409	--	0.0545	--	0.333
PCB-150	E1668C	0.696	--	0.156	--	0.664
PCB-152	E1668C	0.484	--	0.0644	--	0.529
PCB-153/168	E1668C	235.606 J	--	4.5 J	--	11.815 J
PCB-154	E1668C	2.157	--	0.353	--	1.064
PCB-155	E1668C	0.0462	--	0.00513	--	0.0435
PCB-156/157	E1668C	22.235 J	--	0.161	--	0.584
PCB-158	E1668C	26.106 J	--	0.393	--	0.884
PCB-159	E1668C	6.934 J	--	0.0486	--	0.192
PCB-160	E1668C	0.00283 U	--	0.000111 U	--	0.000976 U
PCB-161	E1668C	0.00258 U	--	0.0000801 U	--	0.000734 U
PCB-162	E1668C	0.382	--	0.00514	--	0.014
PCB-164	E1668C	17.294 J	--	0.436	--	0.651
PCB-165	E1668C	0.00299 U	--	0.000100 U	--	0.128
PCB-167	E1668C	9.567 J	--	0.0723	--	0.213
PCB-169	E1668C	0.0306 U	--	0.000515 U	--	0.00168 U
PCB-170	E1668C	143.509 J	--	0.908 J	--	4.07 J
PCB-171/173	E1668C	45.554 J	--	0.429	--	1.638
PCB-172	E1668C	23.875 J	--	0.164	--	0.718
PCB-174	E1668C	136.832 J	--	1.363 J	--	5.104 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST43-PW-3-080322 8/3/2022 1–1.85 ft	HR-SPME-ST53-PW-4-080322 10/26/2022	ST53-PW-4-080322 8/3/2022 1–2.4 ft	HR-SPME-ST69-PW-5-080322 10/26/2022	ST69-PW-5-080322 8/3/2022 1–2.6 ft
PCB-114	E1668C	--	0.0107 U	--	0.0856 U	--
PCB-115	E1668C	--	0.0100 U	--	0.0827 U	--
PCB-117	E1668C	--	0.0474	--	0.299	--
PCB-118	E1668C	--	0.332	--	3.6 J	--
PCB-120	E1668C	--	0.0127	--	0.0626 U	--
PCB-121	E1668C	--	0.0101 U	--	0.0772 U	--
PCB-122	E1668C	--	0.0134 U	--	0.107 U	--
PCB-123	E1668C	--	0.0103 U	--	0.0747 U	--
PCB-126	E1668C	--	0.00139	--	0.00100 U	--
PCB-127	E1668C	--	0.0103 U	--	0.0689 U	--
PCB-128/166	E1668C	--	0.239	--	1.343	--
PCB-129/138/163	E1668C	--	2.565	--	16.005 J	--
PCB-130	E1668C	--	0.149	--	0.921	--
PCB-131	E1668C	--	0.0277	--	0.232	--
PCB-132	E1668C	--	1.342	--	9.928 J	--
PCB-133	E1668C	--	0.0459	--	0.396	--
PCB-134	E1668C	--	0.252	--	2.124	--
PCB-135/151	E1668C	--	2.363	--	18.548 J	--
PCB-136	E1668C	--	1.581	--	11.746 J	--
PCB-137	E1668C	--	0.0376	--	0.284	--
PCB-139/140	E1668C	--	0.0391	--	0.322	--
PCB-141	E1668C	--	0.642	--	5.725 J	--
PCB-142	E1668C	--	0.000821 U	--	0.000497 U	--
PCB-143	E1668C	--	0.000729 U	--	0.000417 U	--
PCB-144	E1668C	--	0.24	--	2.202	--
PCB-145	E1668C	--	0.000562 U	--	0.00914	--
PCB-146	E1668C	--	0.481	--	3.467 J	--
PCB-147/149	E1668C	--	4.118	--	25.279 J	--
PCB-148	E1668C	--	0.0129	--	0.162	--
PCB-150	E1668C	--	0.0187	--	0.257	--
PCB-152	E1668C	--	0.0147	--	0.0959	--
PCB-153/168	E1668C	--	2.668	--	15.639 J	--
PCB-154	E1668C	--	0.0799	--	0.79	--
PCB-155	E1668C	--	0.000828 J	--	0.0124	--
PCB-156/157	E1668C	--	0.067	--	0.582	--
PCB-158	E1668C	--	0.188	--	1.508	--
PCB-159	E1668C	--	0.0342	--	0.198	--
PCB-160	E1668C	--	0.000604 U	--	0.000292 U	--
PCB-161	E1668C	--	0.000509 U	--	0.000229 U	--
PCB-162	E1668C	--	0.00344	--	0.0142	--
PCB-164	E1668C	--	0.203	--	1.441	--
PCB-165	E1668C	--	0.000616 U	--	0.0372	--
PCB-167	E1668C	--	0.0517	--	0.257	--
PCB-169	E1668C	--	0.00103 U	--	0.00134 U	--
PCB-170	E1668C	--	0.56	--	3.003 J	--
PCB-171/173	E1668C	--	0.207	--	1.301	--
PCB-172	E1668C	--	0.104	--	0.591	--
PCB-174	E1668C	--	0.74	--	5.023 J	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	DUP-080422 8/4/2022 1–2.03 ft	HR-SPME-DUP-080422 10/26/2022	HR-SPME-ST78-PW06-080422 10/26/2022	ST78-PW06-080422 8/4/2022 1–2.03 ft	HR-SPME-ST91-PW08-080422 10/26/2022
PCB-114	E1668C	--	0.0618 U	0.0325 U	--	0.0481 U
PCB-115	E1668C	--	0.0710 U	0.0382 U	--	0.0496 U
PCB-117	E1668C	--	0.269 J	0.144 J	--	0.177
PCB-118	E1668C	--	2.424 J	1.618	--	1.574
PCB-120	E1668C	--	0.263 J	0.0455 J	--	0.0431 U
PCB-121	E1668C	--	0.0636 U	0.0335 U	--	0.0494 U
PCB-122	E1668C	--	0.0779 U	0.0411 U	--	0.0602 U
PCB-123	E1668C	--	0.0600 U	0.0312 U	--	0.0500 U
PCB-126	E1668C	--	0.00109 UJ	0.00369 J	--	0.00112 U
PCB-127	E1668C	--	0.0498 U	0.0241 U	--	0.0488 U
PCB-128/166	E1668C	--	0.666	0.478	--	0.836
PCB-129/138/163	E1668C	--	8.276 J	5.597 J	--	11.652 J
PCB-130	E1668C	--	0.916 J	0.38 J	--	0.544
PCB-131	E1668C	--	0.0747	0.0664	--	0.137
PCB-132	E1668C	--	6.174 J	3.2 J	--	5.55 J
PCB-133	E1668C	--	0.666 J	0.207 J	--	0.248
PCB-134	E1668C	--	1.47 J	0.708 J	--	1.154
PCB-135/151	E1668C	--	13.148 J	6.159 J	--	11.828 J
PCB-136	E1668C	--	7.405 J	3.997 J	--	6.019 J
PCB-137	E1668C	--	0.124	0.0894	--	0.000436 U
PCB-139/140	E1668C	--	0.636 J	0.17 J	--	0.13
PCB-141	E1668C	--	1.825 J	1.49	--	4.275 J
PCB-142	E1668C	--	0.000601 U	0.000469 U	--	0.000509 U
PCB-143	E1668C	--	0.000495 U	0.000381 U	--	0.000447 U
PCB-144	E1668C	--	0.602	0.535	--	1.558
PCB-145	E1668C	--	0.0055	0.004	--	0.00543
PCB-146	E1668C	--	4.663 J	1.503 J	--	2.17
PCB-147/149	E1668C	--	17.693 J	9.322 J	--	17.907 J
PCB-148	E1668C	--	0.293 J	0.0952 J	--	0.0998
PCB-150	E1668C	--	0.41 J	0.171 J	--	0.166
PCB-152	E1668C	--	0.0639	0.0684	--	0.102
PCB-153/168	E1668C	--	10.723 J	5.31 J	--	13.033 J
PCB-154	E1668C	--	1.635 J	0.426 J	--	0.41
PCB-155	E1668C	--	0.00872	0.00705	--	0.0142
PCB-156/157	E1668C	--	0.251	0.203	--	0.437
PCB-158	E1668C	--	0.577	0.429	--	1.157
PCB-159	E1668C	--	0.11	0.0698	--	0.178
PCB-160	E1668C	--	0.000315 U	0.000234 U	--	0.000366 U
PCB-161	E1668C	--	0.000239 U	0.000172 U	--	0.000309 U
PCB-162	E1668C	--	0.0157	0.00772	--	0.0132
PCB-164	E1668C	--	0.74	0.396	--	1.203
PCB-165	E1668C	--	0.0610 J	0.0259 J	--	0.000376 U
PCB-167	E1668C	--	0.136	0.0899	--	0.218
PCB-169	E1668C	--	0.000897 U	0.000571 U	--	0.00132 U
PCB-170	E1668C	--	2.007 J	1.202 J	--	2.753 J
PCB-171/173	E1668C	--	0.807	0.493	--	1.113
PCB-172	E1668C	--	0.402	0.245	--	0.55
PCB-174	E1668C	--	2.856 J	1.789 J	--	4.386 J

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST91-PW08-080422 8/4/2022 1–2.35 ft	HR-SPME-ST99-PW09-080422 10/27/2022	ST99-PW09-080422 8/4/2022 1–2.15 ft
PCB-114	E1668C	--	0.01000 U	--
PCB-115	E1668C	--	0.00882 U	--
PCB-117	E1668C	--	0.0438	--
PCB-118	E1668C	--	0.425	--
PCB-120	E1668C	--	0.00700 U	--
PCB-121	E1668C	--	0.00840 U	--
PCB-122	E1668C	--	0.0113 U	--
PCB-123	E1668C	--	0.00946 U	--
PCB-126	E1668C	--	0.00078	--
PCB-127	E1668C	--	0.00775 U	--
PCB-128/166	E1668C	--	0.188	--
PCB-129/138/163	E1668C	--	2.483	--
PCB-130	E1668C	--	0.114	--
PCB-131	E1668C	--	0.0253	--
PCB-132	E1668C	--	1.177	--
PCB-133	E1668C	--	0.0486	--
PCB-134	E1668C	--	0.228	--
PCB-135/151	E1668C	--	2.519	--
PCB-136	E1668C	--	1.634	--
PCB-137	E1668C	--	0.0295	--
PCB-139/140	E1668C	--	0.0349	--
PCB-141	E1668C	--	0.743	--
PCB-142	E1668C	--	0.000199 U	--
PCB-143	E1668C	--	0.000174 U	--
PCB-144	E1668C	--	0.254	--
PCB-145	E1668C	--	0.000187 U	--
PCB-146	E1668C	--	0.438	--
PCB-147/149	E1668C	--	4.206	--
PCB-148	E1668C	--	0.0209	--
PCB-150	E1668C	--	0.0329	--
PCB-152	E1668C	--	0.0247	--
PCB-153/168	E1668C	--	2.436	--
PCB-154	E1668C	--	0.0874	--
PCB-155	E1668C	--	0.00393	--
PCB-156/157	E1668C	--	0.0657	--
PCB-158	E1668C	--	0.167	--
PCB-159	E1668C	--	0.0268	--
PCB-160	E1668C	--	0.000121 U	--
PCB-161	E1668C	--	0.0000886 U	--
PCB-162	E1668C	--	0.00177	--
PCB-164	E1668C	--	0.165	--
PCB-165	E1668C	--	0.00605	--
PCB-167	E1668C	--	0.0329	--
PCB-169	E1668C	--	0.000337 U	--
PCB-170	E1668C	--	0.354	--
PCB-171/173	E1668C	--	0.166	--
PCB-172	E1668C	--	0.0719	--
PCB-174	E1668C	--	0.726	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-MB-SPME-20220824 8/24/2022	HR-PW-SPME-C0-1-PRC-20220824 8/24/2022	HR-PW-SPME-C0-2-PRC-20220824 8/24/2022	HR-PW-SPME-C0-3-PRC-20220824 8/24/2022	HR-PW-SPME-C0-4-PRC-20220824 8/24/2022
PCB-175	E1668C	--	--	--	--	--
PCB-176	E1668C	--	--	--	--	--
PCB-177	E1668C	--	--	--	--	--
PCB-178	E1668C	--	--	--	--	--
PCB-179	E1668C	--	--	--	--	--
PCB-180/193	E1668C	--	--	--	--	--
PCB-181	E1668C	--	--	--	--	--
PCB-182	E1668C	--	--	--	--	--
PCB-183	E1668C	--	--	--	--	--
PCB-184	E1668C	--	--	--	--	--
PCB-185	E1668C	--	--	--	--	--
PCB-186	E1668C	--	--	--	--	--
PCB-187	E1668C	--	--	--	--	--
PCB-188	E1668C	--	--	--	--	--
PCB-189	E1668C	--	--	--	--	--
PCB-190	E1668C	--	--	--	--	--
PCB-191	E1668C	--	--	--	--	--
PCB-192	E1668C	--	--	--	--	--
PCB-194	E1668C	--	--	--	--	--
PCB-195	E1668C	--	--	--	--	--
PCB-196	E1668C	--	--	--	--	--
PCB-197	E1668C	--	--	--	--	--
PCB-198/199	E1668C	--	--	--	--	--
PCB-200	E1668C	--	--	--	--	--
PCB-201	E1668C	--	--	--	--	--
PCB-202	E1668C	--	--	--	--	--
PCB-203	E1668C	--	--	--	--	--
PCB-204	E1668C	--	--	--	--	--
PCB-205	E1668C	--	--	--	--	--
PCB-206	E1668C	--	--	--	--	--
PCB-207	E1668C	--	--	--	--	--
PCB-208	E1668C	--	--	--	--	--
PCB-209	E1668C	--	--	--	--	--
Total PCB Congener SPME (U = 0 max limit)		--	--	--	--	--
Total PCB Congener SPME (U = 1/2 max limit)		--	--	--	--	--
Surrogates (SPME) (pg)						
PCB-008-C13	E1668C	0 U	35400	34100	30900	36200
PCB-031-C13	E1668C	0 U	39400	38700	33300	40100
PCB-060-C13	E1668C	0 U	28300	28300	27100	28900
PCB-085-C13	E1668C	0 U	23000	22700	21300	23000
PCB-128-C13	E1668C	0 U	18300	17800	16900	18200
PCB-182-C13	E1668C	0 U	19100	19200	18500	19700

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-PW-SPME-C0-5-PRC-20220824 8/24/2022	BW5A1-PW07-080422 8/4/2022 1–3 ft	HR-SPME-BW5A1-PW07-080422 10/27/2022	BW5A-S-PW13-080522 8/5/2022 1–2.06 ft	HR-SPME-BW5A-5-PW13-080522 10/27/2022
PCB-175	E1668C	--	--	0.000411 J	--	0.572
PCB-176	E1668C	--	--	0.00247	--	2.081 J
PCB-177	E1668C	--	--	0.00824	--	4.853 J
PCB-178	E1668C	--	--	0.00485	--	2.318 J
PCB-179	E1668C	--	--	0.000209 U	--	5.12 J
PCB-180/193	E1668C	--	--	0.0216	--	20.29 J
PCB-181	E1668C	--	--	0.000274 U	--	0.0502
PCB-182	E1668C	--	--	0.000250 U	--	0.0366
PCB-183	E1668C	--	--	0.00759	--	6.837 J
PCB-184	E1668C	--	--	0.000215 U	--	0.000551 U
PCB-185	E1668C	--	--	0.00192	--	1.274
PCB-186	E1668C	--	--	0.000202 U	--	0.000526 U
PCB-187	E1668C	--	--	0.0209	--	10.43 J
PCB-188	E1668C	--	--	0.000213 U	--	0.00308 J
PCB-189	E1668C	--	--	0.000388 J	--	0.399
PCB-190	E1668C	--	--	0.00163	--	2.197 J
PCB-191	E1668C	--	--	0.000443	--	0.467
PCB-192	E1668C	--	--	0.000199 U	--	0.00298 U
PCB-194	E1668C	--	--	0.00243	--	4.874 J
PCB-195	E1668C	--	--	0.00126	--	2.425 J
PCB-196	E1668C	--	--	0.00165	--	3.703 J
PCB-197	E1668C	--	--	0.000204 J	--	0.286
PCB-198/199	E1668C	--	--	0.00347	--	5.844 J
PCB-200	E1668C	--	--	0.000548	--	1.161
PCB-201	E1668C	--	--	0.000522 J	--	0.986
PCB-202	E1668C	--	--	0.000875	--	1.054
PCB-203	E1668C	--	--	0.00197	--	3.788 J
PCB-204	E1668C	--	--	0.0000811 U	--	0.000738 U
PCB-205	E1668C	--	--	0.000147 J	--	0.331
PCB-206	E1668C	--	--	0.000428 J	--	1.491 J
PCB-207	E1668C	--	--	0.0000636 U	--	0.247
PCB-208	E1668C	--	--	0.0000953 J	--	0.27
PCB-209	E1668C	--	--	0.0000247 U	--	0.0284
Total PCB Congener SPME (U = 0 max limit)		--	--	1.28 J	--	230 J
Total PCB Congener SPME (U = 1/2 max limit)		--	--	1.29 J	--	230 J
Surrogates (SPME) (pg)						
PCB-008-C13	E1668C	34800	--	4320	--	3120
PCB-031-C13	E1668C	37700	--	12600	--	10300
PCB-060-C13	E1668C	27900	--	13900	--	12900
PCB-085-C13	E1668C	22800	--	16800	--	15100
PCB-128-C13	E1668C	18600	--	14600	--	14100
PCB-182-C13	E1668C	19800	--	16900	--	15500

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST112-PW10-080422 10/27/2022	ST112-PW10-080422 8/4/2022 1–2.75 ft	HR-SPME-ST122-PW11-080522 10/27/2022	ST122-PW11-080522 8/5/2022 1–2.75 ft	HR-SPME-ST-134-PW12-080522 10/27/2022
PCB-175	E1668C	0.112	--	0.215	--	0.194
PCB-176	E1668C	0.625	--	1.019	--	0.81
PCB-177	E1668C	1.453	--	2.863 J	--	2.342
PCB-178	E1668C	0.735	--	1.466	--	1.289
PCB-179	E1668C	2.096 J	--	3.658 J	--	2.99
PCB-180/193	E1668C	3.635 J	--	6.742 J	--	6.848
PCB-181	E1668C	0.00843	--	0.024	--	0.0262
PCB-182	E1668C	0.00955	--	0.041	--	0.0661
PCB-183	E1668C	1.404	--	2.286 J	--	2.302
PCB-184	E1668C	0.00145 J	--	0.00694	--	0.00697
PCB-185	E1668C	0.000738 U	--	0.674	--	0.375
PCB-186	E1668C	0.000104 U	--	0.000873 U	--	0.00322
PCB-187	E1668C	3.059 J	--	6.115 J	--	6.082 J
PCB-188	E1668C	0.00997	--	0.0333	--	0.056
PCB-189	E1668C	0.0381	--	0.0857	--	0.082
PCB-190	E1668C	0.291	--	0.582	--	0.552
PCB-191	E1668C	0.0635	--	0.125	--	0.152
PCB-192	E1668C	0.000401 U	--	0.00258 U	--	0.00550 U
PCB-194	E1668C	0.364	--	0.758	--	0.821
PCB-195	E1668C	0.219	--	0.425	--	0.426
PCB-196	E1668C	0.308	--	0.651	--	0.638
PCB-197	E1668C	0.0268	--	0.0661	--	0.0518
PCB-198/199	E1668C	0.595	--	1.347	--	1.303
PCB-200	E1668C	0.143	--	0.266	--	0.249
PCB-201	E1668C	0.12	--	0.231	--	0.221
PCB-202	E1668C	0.191	--	0.34	--	0.295
PCB-203	E1668C	0.337	--	0.673	--	0.667
PCB-204	E1668C	0.000116 J	--	0.000631 U	--	0.000948 U
PCB-205	E1668C	0.0207	--	0.0426	--	0.0511
PCB-206	E1668C	0.0595	--	0.14	--	0.162
PCB-207	E1668C	0.00986	--	0.023	--	0.0265
PCB-208	E1668C	0.0173	--	0.0332	--	0.035
PCB-209	E1668C	0.00146	--	0.00556	--	0.00427
Total PCB Congener SPME (U = 0 max limit)		170 J	--	530 J	--	780 J
Total PCB Congener SPME (U = 1/2 max limit)		170 J	--	530 J	--	780 J
Surrogates (SPME) (pg)						
PCB-008-C13	E1668C	4460	--	5710	--	8950
PCB-031-C13	E1668C	12300	--	15700	--	19800
PCB-060-C13	E1668C	14400	--	14800	--	16200
PCB-085-C13	E1668C	15400	--	17900	--	17000
PCB-128-C13	E1668C	13300	--	15200	--	16500
PCB-182-C13	E1668C	15700	--	17000	--	17900

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST134-PW12-080522 8/5/2022 1–2.6 ft	HR-SPME-ST152-PW14-080522 10/27/2022	ST152-PW14-080522 8/5/2022 1–1.62 ft	HR-SPME-ST167-PW15-080822 10/27/2022	ST167-PW15-080822 8/8/2022 1–2.2 ft
PCB-175	E1668C	--	0.259	--	0.626	--
PCB-176	E1668C	--	1.234	--	2.971 J	--
PCB-177	E1668C	--	2.701 J	--	7.206 J	--
PCB-178	E1668C	--	1.461	--	3.258 J	--
PCB-179	E1668C	--	3.812 J	--	9.419 J	--
PCB-180/193	E1668C	--	8.861 J	--	20.66 J	--
PCB-181	E1668C	--	0.0238	--	0.0367	--
PCB-182	E1668C	--	0.0233	--	0.0665	--
PCB-183	E1668C	--	3.105 J	--	7.522 J	--
PCB-184	E1668C	--	0.00183 U	--	0.00184 U	--
PCB-185	E1668C	--	0.65	--	1.522	--
PCB-186	E1668C	--	0.00176 U	--	0.00178 U	--
PCB-187	E1668C	--	6.108 J	--	14.766 J	--
PCB-188	E1668C	--	0.0174	--	0.0199	--
PCB-189	E1668C	--	0.13	--	0.289	--
PCB-190	E1668C	--	0.846	--	1.765 J	--
PCB-191	E1668C	--	0.177	--	0.37	--
PCB-192	E1668C	--	0.00294 U	--	0.00264 U	--
PCB-194	E1668C	--	1.327	--	3.223 J	--
PCB-195	E1668C	--	0.698	--	1.692 J	--
PCB-196	E1668C	--	1.035	--	2.176 J	--
PCB-197	E1668C	--	0.0828	--	0.19	--
PCB-198/199	E1668C	--	2.032	--	4.231 J	--
PCB-200	E1668C	--	0.393	--	0.831	--
PCB-201	E1668C	--	0.302	--	0.698	--
PCB-202	E1668C	--	0.401	--	1	--
PCB-203	E1668C	--	1.08	--	2.176 J	--
PCB-204	E1668C	--	0.00135 U	--	0.000831 J	--
PCB-205	E1668C	--	0.0842	--	0.183	--
PCB-206	E1668C	--	0.303	--	0.669	--
PCB-207	E1668C	--	0.0574	--	0.118	--
PCB-208	E1668C	--	0.065	--	0.151	--
PCB-209	E1668C	--	0.00646	--	0.0179	--
Total PCB Congener SPME (U = 0 max limit)		--	200 J	--	590 J	--
Total PCB Congener SPME (U = 1/2 max limit)		--	200 J	--	590 J	--
Surrogates (SPME) (pg)						
PCB-008-C13	E1668C	--	6260	--	5810	--
PCB-031-C13	E1668C	--	17800	--	14100	--
PCB-060-C13	E1668C	--	16100	--	13400	--
PCB-085-C13	E1668C	--	18500	--	14800	--
PCB-128-C13	E1668C	--	14900	--	13200	--
PCB-182-C13	E1668C	--	16500	--	14400	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST177-PW16-080822 10/27/2022	ST177-PW16-080822 8/8/2022 1–2.45 ft	HR-SPME-ST18-PW1-080922 10/27/2022	ST18-PW1-080922 8/9/2022 1–1.65 ft	HR-SPME-ST190-PW17-080822 10/27/2022
PCB-175	E1668C	0.0128	--	0.0336	--	0.554
PCB-176	E1668C	0.0851	--	0.217	--	2.28
PCB-177	E1668C	0.17	--	0.427	--	5.783 J
PCB-178	E1668C	0.0722	--	0.177	--	3.147 J
PCB-179	E1668C	0.192	--	0.49	--	6.783 J
PCB-180/193	E1668C	0.489	--	1.189 J	--	20.295 J
PCB-181	E1668C	0.00193	--	0.00461	--	0.0693
PCB-182	E1668C	0.00106	--	0.00246	--	0.107
PCB-183	E1668C	0.243	--	0.57 J	--	6.771 J
PCB-184	E1668C	0.000204 J	--	0.000498	--	0.0199
PCB-185	E1668C	0.0303	--	0.0999	--	1.261
PCB-186	E1668C	0.000121 U	--	0.000112 U	--	0.016
PCB-187	E1668C	0.327	--	0.792 J	--	13.253 J
PCB-188	E1668C	0.00192	--	0.00108	--	0.109
PCB-189	E1668C	0.007	--	0.0179	--	0.35
PCB-190	E1668C	0.037	--	0.0918	--	2.017 J
PCB-191	E1668C	0.0107	--	0.028	--	0.426
PCB-192	E1668C	0.000128 U	--	0.000195 U	--	0.00582 U
PCB-194	E1668C	0.0907	--	0.246	--	4.373 J
PCB-195	E1668C	0.0502	--	0.145	--	2.082 J
PCB-196	E1668C	0.0772	--	0.213	--	3.391 J
PCB-197	E1668C	0.00872	--	0.0275	--	0.323
PCB-198/199	E1668C	0.0731	--	0.297	--	5.929 J
PCB-200	E1668C	0.0289	--	0.0815	--	1.047
PCB-201	E1668C	0.0227	--	0.0648	--	1.017
PCB-202	E1668C	0.033	--	0.0916	--	1.202
PCB-203	E1668C	0.0772	--	0.214	--	3.465 J
PCB-204	E1668C	0.0000402 U	--	0.0000504 U	--	0.00168 U
PCB-205	E1668C	0.00502	--	0.0142	--	0.283
PCB-206	E1668C	0.0233	--	0.0698	--	1.356
PCB-207	E1668C	0.00396	--	0.012	--	0.229
PCB-208	E1668C	0.00617	--	0.0189	--	0.268
PCB-209	E1668C	0.000474	--	0.00218	--	0.0298
Total PCB Congener SPME (U = 0 max limit)		37 J	--	62 J	--	5300 J
Total PCB Congener SPME (U = 1/2 max limit)		38 J	--	62 J	--	5300 J
Surrogates (SPME) (pg)						
PCB-008-C13	E1668C	4520	--	3310	--	5690
PCB-031-C13	E1668C	9940	--	7680	--	14900
PCB-060-C13	E1668C	9730	--	8130	--	14600
PCB-085-C13	E1668C	12200	--	11000	--	17400
PCB-128-C13	E1668C	10700	--	10000	--	16000
PCB-182-C13	E1668C	15600	--	15700	--	16600

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST190-PW17-080822 8/8/2022 1–2.6 ft	HR-SPME-ST197-PW18-080822 10/27/2022	ST197-PW18-080822 8/8/2022 1–2.45 ft	HR-SPME-ST-215-PW19-080822 10/27/2022	ST215-PW19-080822 8/8/2022 1–2.7 ft
PCB-175	E1668C	--	0.22	--	0.402	--
PCB-176	E1668C	--	1.046	--	2.384 J	--
PCB-177	E1668C	--	2.795 J	--	4.785 J	--
PCB-178	E1668C	--	1.235	--	2.239 J	--
PCB-179	E1668C	--	2.86 J	--	7.337 J	--
PCB-180/193	E1668C	--	8.366 J	--	12.558 J	--
PCB-181	E1668C	--	0.021	--	0.027	--
PCB-182	E1668C	--	0.0206	--	0.0406	--
PCB-183	E1668C	--	3.113 J	--	4.913 J	--
PCB-184	E1668C	--	0.00227	--	0.00115 U	--
PCB-185	E1668C	--	0.545	--	1.057 J	--
PCB-186	E1668C	--	0.000259 U	--	0.00119 U	--
PCB-187	E1668C	--	5.708 J	--	9.683 J	--
PCB-188	E1668C	--	0.0102	--	0.0128	--
PCB-189	E1668C	--	0.135	--	0.183	--
PCB-190	E1668C	--	0.758	--	1.16 J	--
PCB-191	E1668C	--	0.183	--	0.242	--
PCB-192	E1668C	--	0.00131 U	--	0.00199 U	--
PCB-194	E1668C	--	1.419	--	2.502 J	--
PCB-195	E1668C	--	0.716	--	1.435 J	--
PCB-196	E1668C	--	1.109	--	1.779 J	--
PCB-197	E1668C	--	0.0922	--	0.174	--
PCB-198/199	E1668C	--	1.233	--	3.662 J	--
PCB-200	E1668C	--	0.401	--	0.746 J	--
PCB-201	E1668C	--	0.317	--	0.55 J	--
PCB-202	E1668C	--	0.403	--	0.886 J	--
PCB-203	E1668C	--	1.135	--	1.81 J	--
PCB-204	E1668C	--	0.000200 U	--	0.000831 U	--
PCB-205	E1668C	--	0.0876	--	0.129	--
PCB-206	E1668C	--	0.322	--	0.54 J	--
PCB-207	E1668C	--	0.0462	--	0.1	--
PCB-208	E1668C	--	0.0708	--	0.129	--
PCB-209	E1668C	--	0.00852	--	0.0108	--
Total PCB Congener SPME (U = 0 max limit)		--	160 J	--	430 J	--
Total PCB Congener SPME (U = 1/2 max limit)		--	160 J	--	430 J	--
Surrogates (SPME) (pg)						
PCB-008-C13	E1668C	--	5580	--	5050	--
PCB-031-C13	E1668C	--	14100	--	10300	--
PCB-060-C13	E1668C	--	13300	--	11200	--
PCB-085-C13	E1668C	--	15500	--	13300	--
PCB-128-C13	E1668C	--	14400	--	10500	--
PCB-182-C13	E1668C	--	17400	--	12200	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	HR-SPME-ST230-PW20-080822 10/27/2022	ST230-PW20-080822 8/8/2022 1–2.8 ft	HR-SPME-ST33-PW-2-080322 10/26/2022	ST33-PW-2-080322 8/3/2022 1–2.05 ft	HR-SPME-ST43-PW-3-080322 10/26/2022
PCB-175	E1668C	8.533 J	--	0.0454	--	0.264
PCB-176	E1668C	23.558 J	--	0.433	--	1.356
PCB-177	E1668C	71.978 J	--	0.839	--	3.334 J
PCB-178	E1668C	32.519 J	--	0.423	--	1.618 J
PCB-179	E1668C	63.064 J	--	1.237	--	4.54 J
PCB-180/193	E1668C	305.571 J	--	1.801 J	--	8.655 J
PCB-181	E1668C	0.638	--	0.00556	--	0.0243
PCB-182	E1668C	0.469	--	0.00928	--	0.0402
PCB-183	E1668C	101.421 J	--	0.758	--	3.143 J
PCB-184	E1668C	0.0427	--	0.00161	--	0.00721
PCB-185	E1668C	23.584 J	--	0.118	--	0.621
PCB-186	E1668C	0.00170 U	--	0.000114 U	--	0.000730 U
PCB-187	E1668C	153.748 J	--	1.468 J	--	6.708 J
PCB-188	E1668C	0.107	--	0.00918	--	0.0452
PCB-189	E1668C	9.001 J	--	0.0204	--	0.12
PCB-190	E1668C	36.101 J	--	0.121	--	0.774
PCB-191	E1668C	8.333 J	--	0.0368	--	0.161
PCB-192	E1668C	0.0334 U	--	0.000300 U	--	0.00127 U
PCB-194	E1668C	110.555 J	--	0.192	--	1.546 J
PCB-195	E1668C	47.249 J	--	0.116	--	0.858 J
PCB-196	E1668C	64.68 J	--	0.177	--	1.005 J
PCB-197	E1668C	4.546	--	0.0206	--	0.0981
PCB-198/199	E1668C	85.321 J	--	0.225	--	1.991 J
PCB-200	E1668C	15.602 J	--	0.0768	--	0.403
PCB-201	E1668C	18.336 J	--	0.0564	--	0.319
PCB-202	E1668C	16.572 J	--	0.0964	--	0.492
PCB-203	E1668C	64.33 J	--	0.17	--	1.005 J
PCB-204	E1668C	0.0217	--	0.0000493 J	--	0.000595 U
PCB-205	E1668C	8.368 J	--	0.00914	--	0.0822
PCB-206	E1668C	34.231 J	--	0.0297	--	0.279
PCB-207	E1668C	4.288	--	0.00469	--	0.0491
PCB-208	E1668C	4.923	--	0.00897	--	0.0606
PCB-209	E1668C	0.676	--	0.000764	--	0.0063
Total PCB Congener SPME (U = 0 max limit)		3400 J	--	99 J	--	2200 J
Total PCB Congener SPME (U = 1/2 max limit)		3400 J	--	99 J	--	2200 J
Surrogates (SPME) (pg)						
PCB-008-C13	E1668C	5210	--	7830	--	7180
PCB-031-C13	E1668C	18700	--	13300	--	15600
PCB-060-C13	E1668C	17600	--	12200	--	15100
PCB-085-C13	E1668C	20500	--	14400	--	16600
PCB-128-C13	E1668C	18100	--	11900	--	13400
PCB-182-C13	E1668C	16000	--	14900	--	16600

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST43-PW-3-080322 8/3/2022 1–1.85 ft	HR-SPME-ST53-PW-4-080322 10/26/2022	ST53-PW-4-080322 8/3/2022 1–2.4 ft	HR-SPME-ST69-PW-5-080322 10/26/2022	ST69-PW-5-080322 8/3/2022 1–2.6 ft
PCB-175	E1668C	--	0.0278	--	0.186	--
PCB-176	E1668C	--	0.153	--	1.24	--
PCB-177	E1668C	--	0.411	--	2.825 J	--
PCB-178	E1668C	--	0.181	--	1.395	--
PCB-179	E1668C	--	0.461	--	3.94 J	--
PCB-180/193	E1668C	--	1.282	--	6.639 J	--
PCB-181	E1668C	--	0.000807 U	--	0.0171	--
PCB-182	E1668C	--	0.000760 U	--	0.0257	--
PCB-183	E1668C	--	0.453	--	2.696 J	--
PCB-184	E1668C	--	0.000478 U	--	0.00332	--
PCB-185	E1668C	--	0.079	--	0.627	--
PCB-186	E1668C	--	0.000423 U	--	0.000223 U	--
PCB-187	E1668C	--	0.931	--	5.721 J	--
PCB-188	E1668C	--	0.00134	--	0.0179	--
PCB-189	E1668C	--	0.0171	--	0.0749	--
PCB-190	E1668C	--	0.0921	--	0.511	--
PCB-191	E1668C	--	0.0264	--	0.12	--
PCB-192	E1668C	--	0.000656 U	--	0.00111 U	--
PCB-194	E1668C	--	0.137	--	0.715	--
PCB-195	E1668C	--	0.067	--	0.395	--
PCB-196	E1668C	--	0.114	--	0.612	--
PCB-197	E1668C	--	0.00983	--	0.0573	--
PCB-198/199	E1668C	--	0.104	--	0.712	--
PCB-200	E1668C	--	0.0348	--	0.265	--
PCB-201	E1668C	--	0.033	--	0.208	--
PCB-202	E1668C	--	0.0413	--	0.31	--
PCB-203	E1668C	--	0.107	--	0.612	--
PCB-204	E1668C	--	0.000251 U	--	0.000161 U	--
PCB-205	E1668C	--	0.00784	--	0.0386	--
PCB-206	E1668C	--	0.025	--	0.109	--
PCB-207	E1668C	--	0.00251	--	0.0151	--
PCB-208	E1668C	--	0.00586	--	0.0281	--
PCB-209	E1668C	--	0.00228	--	0.00193	--
Total PCB Congener SPME (U = 0 max limit)		--	99 J	--	340 J	--
Total PCB Congener SPME (U = 1/2 max limit)		--	99 J	--	340 J	--
Surrogates (SPME) (pg)						
PCB-008-C13	E1668C	--	7330	--	5950	--
PCB-031-C13	E1668C	--	14700	--	16100	--
PCB-060-C13	E1668C	--	14100	--	15000	--
PCB-085-C13	E1668C	--	17200	--	17100	--
PCB-128-C13	E1668C	--	15300	--	14700	--
PCB-182-C13	E1668C	--	17400	--	18000	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	DUP-080422 8/4/2022 1–2.03 ft	HR-SPME-DUP-080422 10/26/2022	HR-SPME-ST78-PW06-080422 10/26/2022	ST78-PW06-080422 8/4/2022 1–2.03 ft	HR-SPME-ST91-PW08-080422 10/26/2022
PCB-175	E1668C	--	0.107	0.066	--	0.176
PCB-176	E1668C	--	0.842	0.464	--	0.848
PCB-177	E1668C	--	2.123 J	1.136	--	2.25
PCB-178	E1668C	--	1.082 J	0.534 J	--	1.174
PCB-179	E1668C	--	2.77 J	1.499	--	2.764 J
PCB-180/193	E1668C	--	4.134 J	2.537 J	--	6.844 J
PCB-181	E1668C	--	0.0101	0.00597	--	0.015
PCB-182	E1668C	--	0.0402 J	0.0133 J	--	0.018
PCB-183	E1668C	--	1.61 J	1.061	--	2.627 J
PCB-184	E1668C	--	0.00471 J	0.00177 J	--	0.00229
PCB-185	E1668C	--	0.294	0.16	--	0.521
PCB-186	E1668C	--	0.000205 U	0.000157 U	--	0.000242 U
PCB-187	E1668C	--	4.044 J	2.26 J	--	4.99 J
PCB-188	E1668C	--	0.0183	0.0102	--	0.0161
PCB-189	E1668C	--	0.0584	0.0291	--	0.0893
PCB-190	E1668C	--	0.311	0.185	--	0.565
PCB-191	E1668C	--	0.0826	0.0519	--	0.155
PCB-192	E1668C	--	0.000687 U	0.000382 U	--	0.00109 U
PCB-194	E1668C	--	0.575	0.347	--	0.931
PCB-195	E1668C	--	0.309	0.182	--	0.434
PCB-196	E1668C	--	0.475	0.292	--	0.675
PCB-197	E1668C	--	0.0514	0.0291	--	0.0533
PCB-198/199	E1668C	--	0.557 J	0.198 J	--	0.988
PCB-200	E1668C	--	0.176	0.118	--	0.222
PCB-201	E1668C	--	0.142	0.0788	--	0.226
PCB-202	E1668C	--	0.225	0.14	--	0.28
PCB-203	E1668C	--	0.46	0.288	--	0.685
PCB-204	E1668C	--	0.000102 U	0.0000858 U	--	0.000174 U
PCB-205	E1668C	--	0.0287	0.0161	--	0.0601
PCB-206	E1668C	--	0.1	0.0632	--	0.194
PCB-207	E1668C	--	0.0134	0.00879	--	0.0221
PCB-208	E1668C	--	0.0243	0.0164	--	0.0369
PCB-209	E1668C	--	0.00263	0.00164	--	0.00351
Total PCB Congener SPME (U = 0 max limit)		--	310 J	180 J	--	220 J
Total PCB Congener SPME (U = 1/2 max limit)		--	310 J	180 J	--	220 J
Surrogates (SPME) (pg)						
PCB-008-C13	E1668C	--	6820	6570	--	2600
PCB-031-C13	E1668C	--	13400	14200	--	11700
PCB-060-C13	E1668C	--	11600	13200	--	12100
PCB-085-C13	E1668C	--	13900	15500	--	15600
PCB-128-C13	E1668C	--	13100	12100	--	14000
PCB-182-C13	E1668C	--	15700	17600	--	16200

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Chemical	Sample ID Sample Date Depth Method	ST91-PW08-080422 8/4/2022 1–2.35 ft	HR-SPME-ST99-PW09-080422 10/27/2022	ST99-PW09-080422 8/4/2022 1–2.15 ft
PCB-175	E1668C	--	0.0282	--
PCB-176	E1668C	--	0.166	--
PCB-177	E1668C	--	0.371	--
PCB-178	E1668C	--	0.202	--
PCB-179	E1668C	--	0.613	--
PCB-180/193	E1668C	--	0.872	--
PCB-181	E1668C	--	0.000361 U	--
PCB-182	E1668C	--	0.00398	--
PCB-183	E1668C	--	0.332	--
PCB-184	E1668C	--	0.000461 J	--
PCB-185	E1668C	--	0.0825	--
PCB-186	E1668C	--	0.0000977 U	--
PCB-187	E1668C	--	0.842	--
PCB-188	E1668C	--	0.00287	--
PCB-189	E1668C	--	0.00827	--
PCB-190	E1668C	--	0.0726	--
PCB-191	E1668C	--	0.0154	--
PCB-192	E1668C	--	0.000231 U	--
PCB-194	E1668C	--	0.0743	--
PCB-195	E1668C	--	0.0424	--
PCB-196	E1668C	--	0.0618	--
PCB-197	E1668C	--	0.00517	--
PCB-198/199	E1668C	--	0.135	--
PCB-200	E1668C	--	0.0289	--
PCB-201	E1668C	--	0.022	--
PCB-202	E1668C	--	0.0378	--
PCB-203	E1668C	--	0.0675	--
PCB-204	E1668C	--	0.0000656 U	--
PCB-205	E1668C	--	0.00436	--
PCB-206	E1668C	--	0.0111	--
PCB-207	E1668C	--	0.00167	--
PCB-208	E1668C	--	0.0029	--
PCB-209	E1668C	--	0.000327	--
Total PCB Congener SPME (U = 0 max limit)		--	55 J	--
Total PCB Congener SPME (U = 1/2 max limit)		--	55 J	--
Surrogates (SPME) (pg)				
PCB-008-C13	E1668C	--	5740	--
PCB-031-C13	E1668C	--	13900	--
PCB-060-C13	E1668C	--	13400	--
PCB-085-C13	E1668C	--	14900	--
PCB-128-C13	E1668C	--	12500	--
PCB-182-C13	E1668C	--	14500	--

Table E-9
Summary of 2022 PDI Porewater Sampling Results via SPME

Notes:

Bold: Detected result

µg/kg: microgram per kilogram

J: Estimated value

mg/kg: milligram per kilogram

mg/L: milligram per liter

ng/L: nanogram per liter

PCB: polychlorinated biphenyl

pg: picogram

SPME: solid-phase microextraction

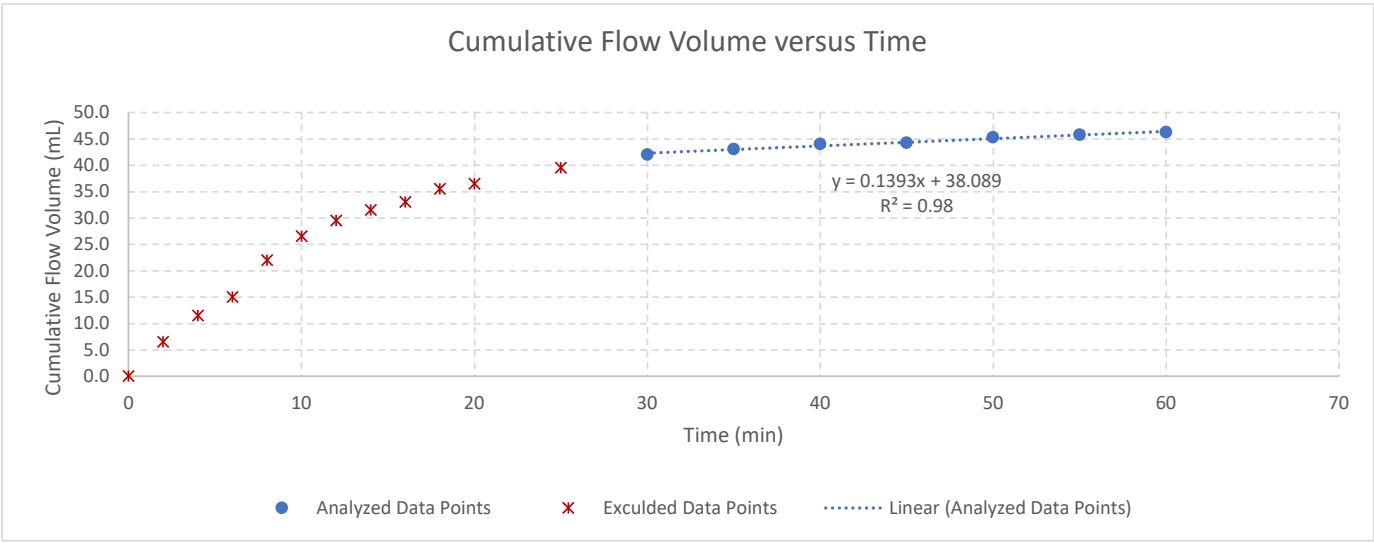
U: Compound analyzed for, but not detected above detection limit

UJ: Compound analyzed for, but not detected above estimated detection limit

Appendix F

Vertical Hydraulic Conductivity

Time					Water Level			Flow Volume (mL)	
Incremental			Cumulative						
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	Water Level Within Sample			0	0
8/12/2022	0:02:00	120	120	2.0				6.5	6.5
8/12/2022	0:04:00	120	240	4.0				5.0	11.5
8/12/2022	0:06:00	120	360	6.0				3.5	15.0
8/12/2022	0:08:00	120	480	8.0				7.0	22.0
8/12/2022	0:10:00	120	600	10.0				4.5	26.5
8/12/2022	0:12:00	120	720	12.0				3.0	29.5
8/12/2022	0:14:00	120	840	14.0				2.0	31.5
8/12/2022	0:16:00	120	960	16.0				1.5	33.0
8/12/2022	0:18:00	120	1080	18.0				2.5	35.5
8/12/2022	0:20:00	120	1200	20.0				1.0	36.5
8/12/2022	0:25:00	300	1500	25.0				3.0	39.5
8/12/2022	0:30:00	300	1800	30.0				2.5	42.0
8/12/2022	0:35:00	300	2100	35.0				1.0	43.0
8/12/2022	0:40:00	300	2400	40.0				1.0	44.0
8/12/2022	0:45:00	300	2700	45.0				0.25	44.3
8/12/2022	0:50:00	300	3000	50.0				1.0	45.3
8/12/2022	0:55:00	300	3300	55.0				0.5	45.8
8/12/2022	1:00:00	300	3600	60.0				0.5	46.3
Best-Fit Line		Final Time	3600					Final Volume	46.25
Best-Fit Line Y Intercept:			38.089						



Notes:

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Sediment Sample Length: 1.27 feet

Core Diameter: 2.00 inches

Flow Area: 20.3 cm²

min: minute

Sample Depth: 0–3 feet

Total Core Tube Length: 3.00 feet

Core Diameter: 5.08 cm

cm: centimeter

mL: milliter

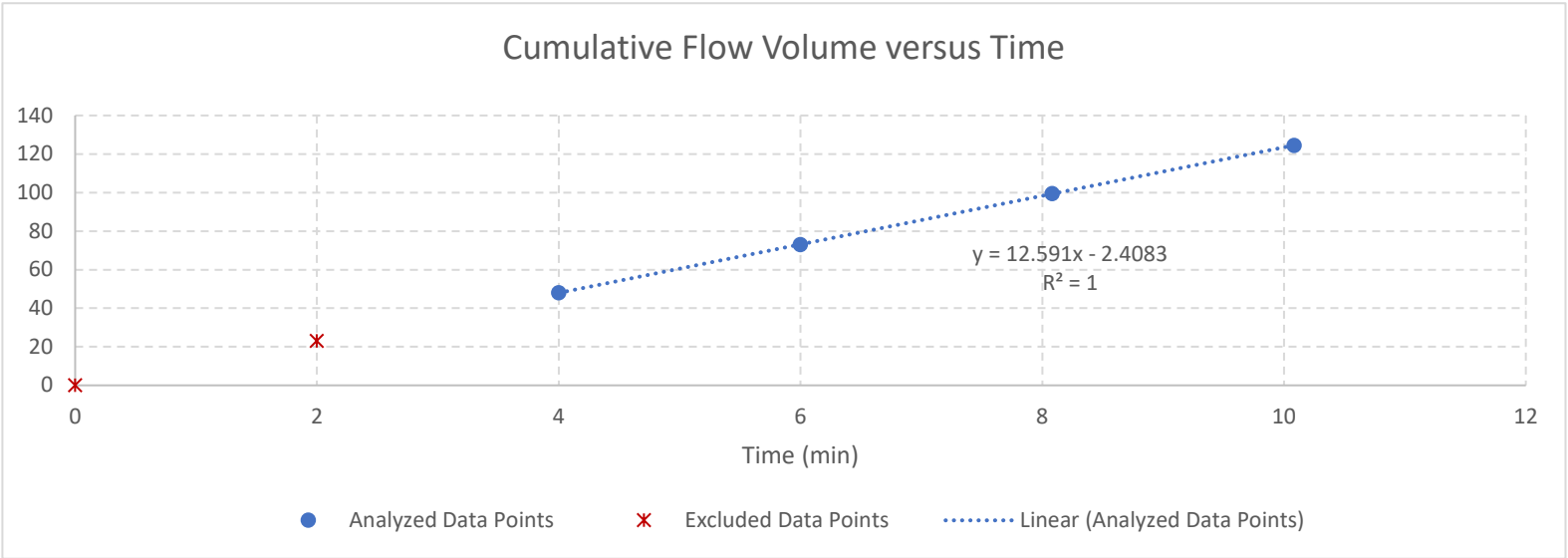


Core ID: ST25-PZ1 (0–3 feet)

Vertical Hydraulic Conductivity

Pre-Design Investigation Summary Report for Reach 5A Sediment and Riverbanks

Time					Water Level			Flow Volume (mL)	
Incremental			Cumulative						
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	4 3/4	0.40	3.60	0	0
8/12/2022	0:02:00	120	120	2.0	5 1/2	0.46	3.54	23.0	23
8/12/2022	0:04:00	120	240	4.0	6	0.50	3.50	25.0	48
8/12/2022	0:06:00	120	360	6.0	6 4/7	0.55	3.45	25.0	73
8/12/2022	0:08:05	125	485	8.1	7 1/8	0.59	3.41	26.5	99.5
8/12/2022	0:10:05	120	605	10.1	7 5/8	0.64	3.36	25.0	124.5
Best-Fit Line		Final Time	605					Final Volume	124.5
Best-Fit Line Y Intercept:			-2.4083						



Notes:

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Sample Depth: 0–4 feet

Sediment Sample Length: 1.59 feet

Total Core Tube Length: 2.00 feet

Core Diameter: 2.00 inches

Core Diameter: 5.08 cm

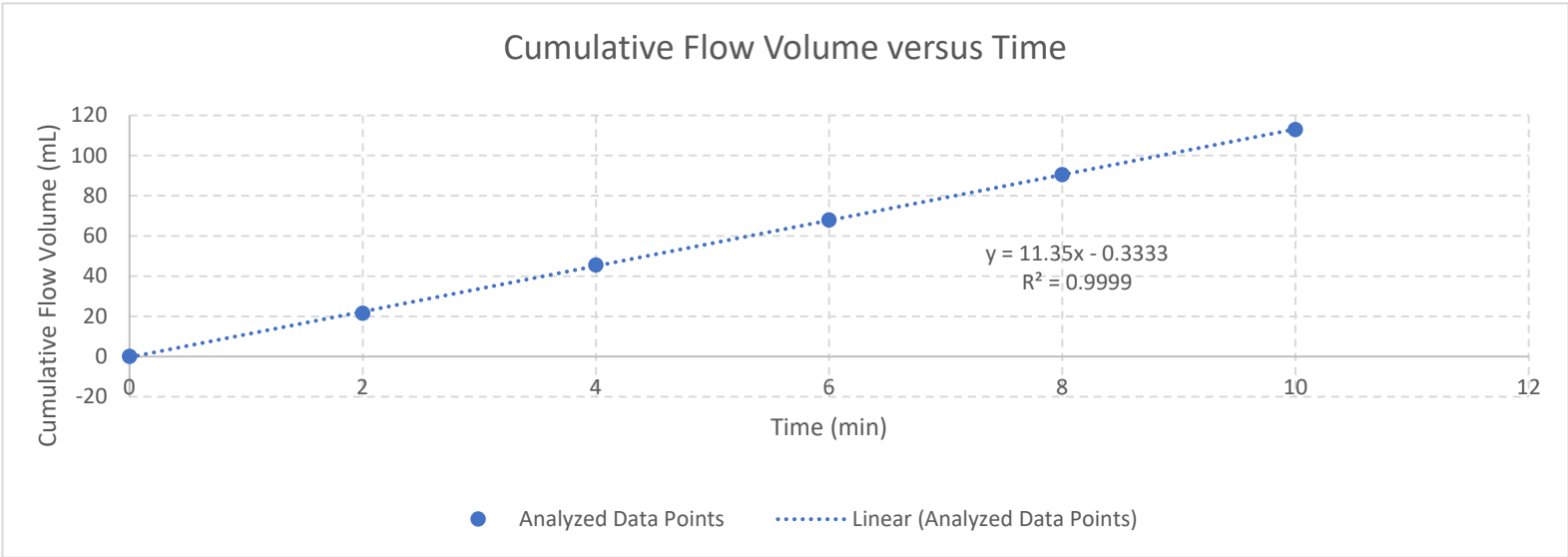
Flow Area: 20.3 cm²

cm: centimeter

min: minute

mL: milliter

Time					Water Level			Flow Volume (mL)	
Incremental			Cumulative						
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	9 1/2	0.79	3.21	0	0
8/12/2022	0:02:00	120	120	2.0	10 1/4	0.85	3.15	21.5	21.5
8/12/2022	0:04:00	120	240	4.0	10 3/4	0.90	3.10	24.0	45.5
8/12/2022	0:06:00	120	360	6.0	11 1/4	0.94	3.06	22.5	68
8/12/2022	0:08:00	120	480	8.0	11 5/8	0.97	3.03	22.5	90.5
8/12/2022	0:10:00	120	600	10.0	12 1/4	1.02	2.98	22.5	113
Best-Fit Line		Final Time	600					Final Volume	113
Best-Fit Line Y Intercept:			0.5						



Notes:

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Sample Depth: 0–4 feet

Sediment Sample Length: 1.26 feet

Total Core Tube Length: 4.00 feet

Core Diameter: 2.00 inches

Core Diameter: 5.08 cm

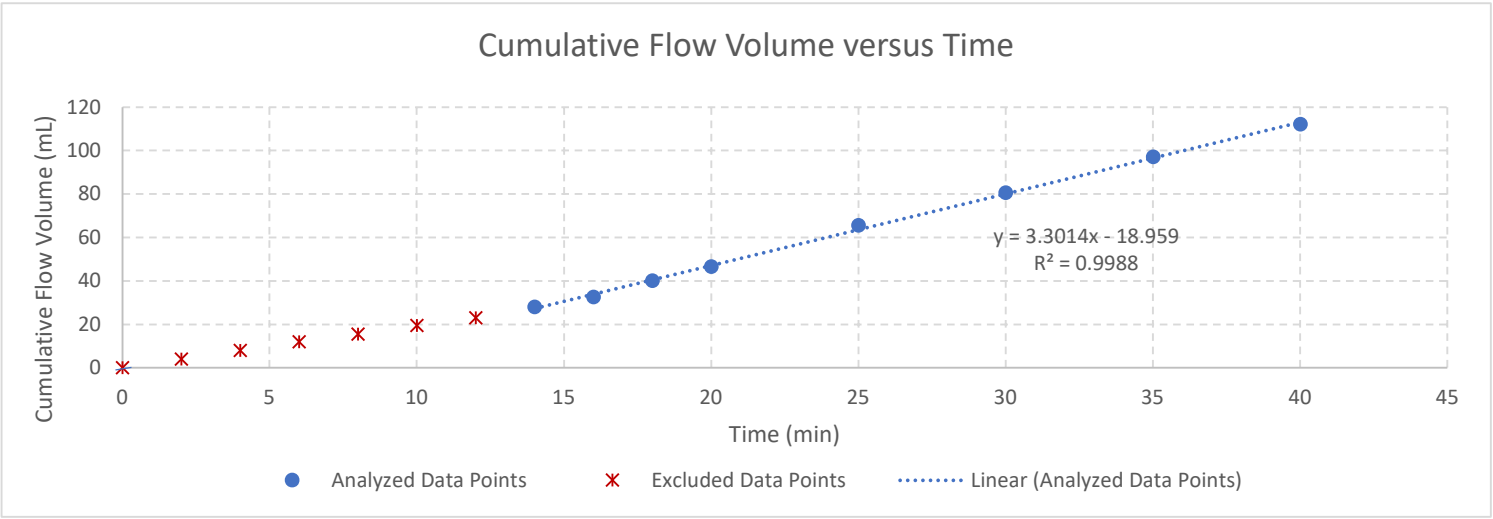
Flow Area: 20.3 cm²

cm: centimeter

min: minute

mL: milliter

Time					Water Level			Flow Volume (mL)	
Incremental			Cumulative						
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	19 1/4	1.60	1.40	0	0
8/12/2022	0:02:00	120	120	2.0	19 1/2	1.62	1.38	4.0	4
8/12/2022	0:04:00	120	240	4.0	19 5/8	1.63	1.37	4.0	8
8/12/2022	0:06:00	120	360	6.0	19 2/3	1.64	1.36	4.0	12
8/12/2022	0:08:00	120	480	8.0	19 3/4	1.65	1.35	3.5	15.5
8/12/2022	0:10:00	120	600	10.0	19 4/5	1.65	1.35	4.0	19.5
8/12/2022	0:12:00	120	720	12.0	19 4/5	1.65	1.35	3.5	23
8/12/2022	0:14:00	120	840	14.0	19 13/16	1.65	1.35	5.0	28
8/12/2022	0:16:00	120	960	16.0	19 15/16	1.66	1.34	4.5	32.5
8/12/2022	0:18:00	120	1080	18.0	20 1/16	1.67	1.33	7.5	40
8/12/2022	0:20:00	120	1200	20.0	20 3/16	1.68	1.32	6.5	46.5
8/12/2022	0:25:00	300	1500	25.0	20 5/8	1.72	1.28	19.0	65.5
8/12/2022	0:30:00	300	1800	30.0	21	1.75	1.25	15.0	80.5
8/12/2022	0:35:00	300	2100	35.0	21 3/8	1.78	1.22	16.5	97
8/12/2022	0:40:00	300	2400	40.0	21 13/16	1.82	1.18	15.0	112
Best-Fit Line		Final Time	2400					Final Volume	112
Best-Fit Line Y Intercept:			-14.128						



Notes:

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Core Diameter: 5.08 cm

Sample Depth: 0–3 feet

Flow Area: 20.3 cm²

Sediment Sample Length: 1.21 feet

cm: centimeter

Total Core Tube Length: 3.00 feet

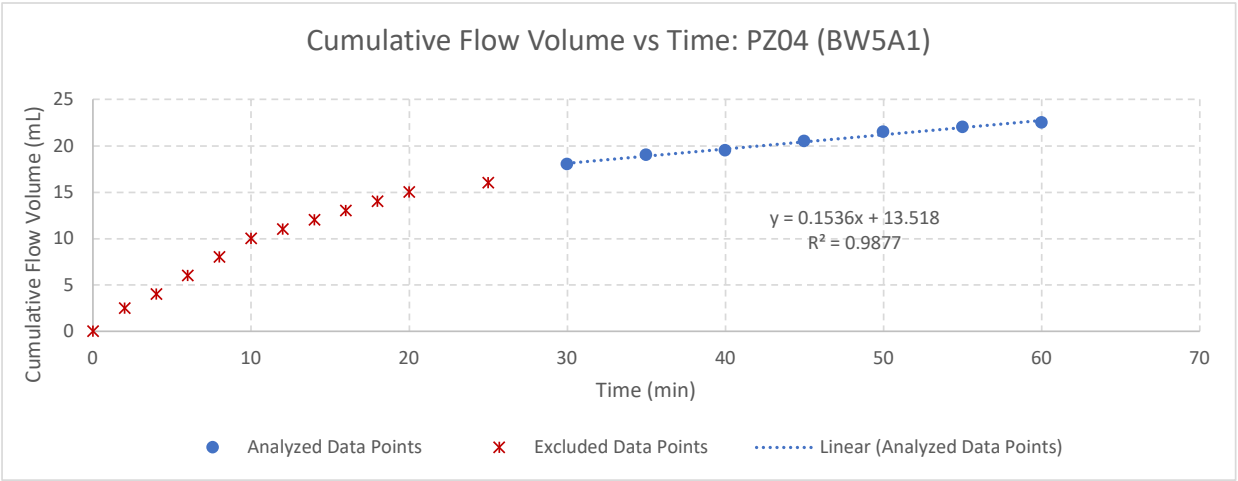
min: minute

Core Diameter: 2.00 inches

mL: milliter



Time					Water Level			Flow Volume (mL)	
Incremental			Cumulative						
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	4 1/2	0.37	2.63	0	0
8/12/2022	0:02:00	120	120	2.0	4 5/8	0.39	2.61	2.5	2.5
8/12/2022	0:04:00	120	240	4.0	4 2/3	0.39	2.61	1.5	4
8/12/2022	0:06:00	120	360	6.0	4 2/3	0.39	2.61	2.0	6
8/12/2022	0:08:00	120	480	8.0	4 4/5	0.40	2.60	2.0	8
8/12/2022	0:10:00	120	600	10.0	4 4/5	0.40	2.60	2.0	10
8/12/2022	0:12:00	120	720	12.0	4 7/8	0.41	2.59	1.0	11
8/12/2022	0:14:00	120	840	14.0	4 7/8	0.41	2.59	1.0	12
8/12/2022	0:16:00	120	960	16.0	4 7/8	0.41	2.59	1.0	13
8/12/2022	0:18:00	120	1080	18.0	4 15/16	0.41	2.59	1.0	14
8/12/2022	0:20:00	120	1200	20.0	4 15/16	0.41	2.59	1.0	15
8/12/2022	0:25:00	300	1500	25.0	4 15/16	0.41	2.59	1.0	16
8/12/2022	0:30:00	300	1800	30.0	5	0.42	2.58	2.0	18
8/12/2022	0:35:00	300	2100	35.0	5 1/16	0.42	2.58	1.0	19
8/12/2022	0:40:00	300	2400	40.0	5	0.42	2.58	0.5	19.5
8/12/2022	0:45:00	300	2700	45.0	5 1/8	0.43	2.57	1.0	20.5
8/12/2022	0:50:00	300	3000	50.0	5 1/8	0.43	2.57	1.0	21.5
8/12/2022	0:55:00	300	3300	55.0	5 1/8	0.43	2.57	0.5	22
8/12/2022	1:00:00	300	3600	60.0	5 1/8	0.43	2.57	0.5	22.5
Best-Fit Line		Final Time	3600					Final Volume	22.5
Best-Fit Line Y Intercept:			13.518						



Notes:

Analysis No. 1

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Core Diameter: 5.08 cm

Sample Depth: 3–6 feet

Flow Area: 20.3 cm²

Sediment Sample Length: 2.59 feet

cm: centimeter

Total Core Tube Length: 3.00 feet

min: minute

Core Diameter: 2.00 inches

mL: milliter

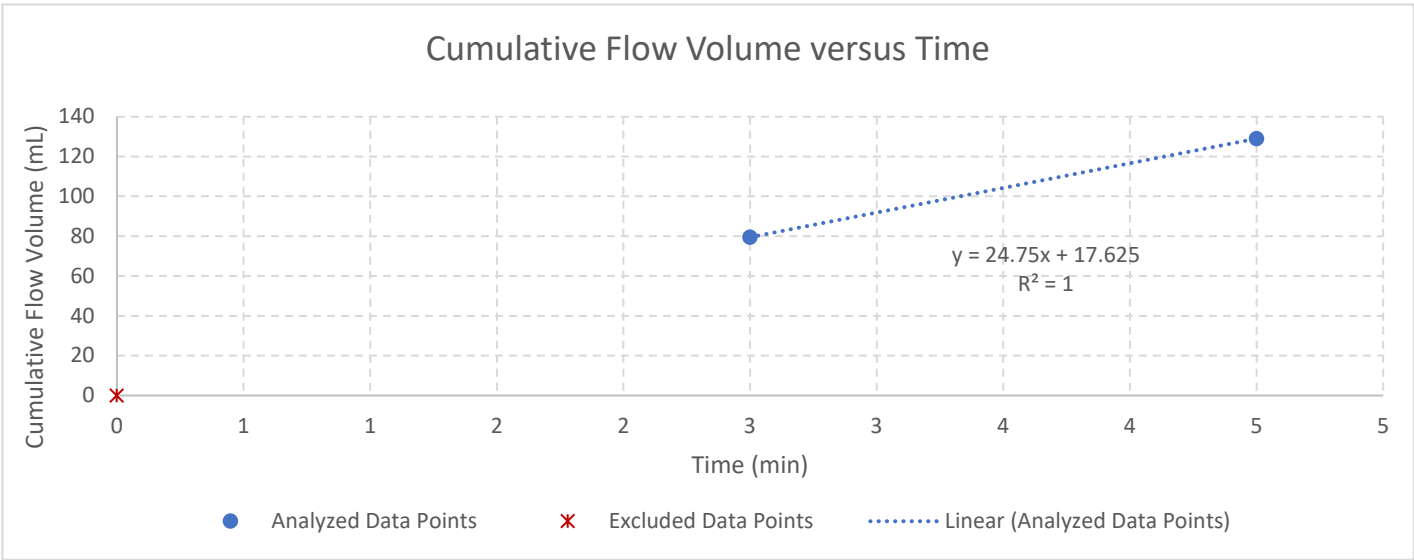


Core ID: BW5A1-PZ4 3–6 feet

Vertical Hydraulic Conductivity

Pre-Design Investigation Summary Report for Reach 5A Sediment and Riverbanks

Time					Water Level			Flow Volume (mL)	
Incremental			Cumulative						
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	8	0.67	3.33	0	0
8/12/2022	0:02:30	150	150	2.5	9 7/8	0.82	3.18	79.5	79.5
8/12/2022	0:04:30	120	270	4.5	12 3/4	1.06	2.94	49.5	129.0
Best-Fit Line		Final Time	270					Final Volume	129
Best-Fit Line Y Intercept:			17.625						



Notes:

Analysis No. 1

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Sample Depth: 0–4 feet

Sediment Sample Length: 2.19 feet

Total Core Tube Length: 4.00 feet

Core Diameter: 2.00 inches

Core Diameter: 5.08 cm

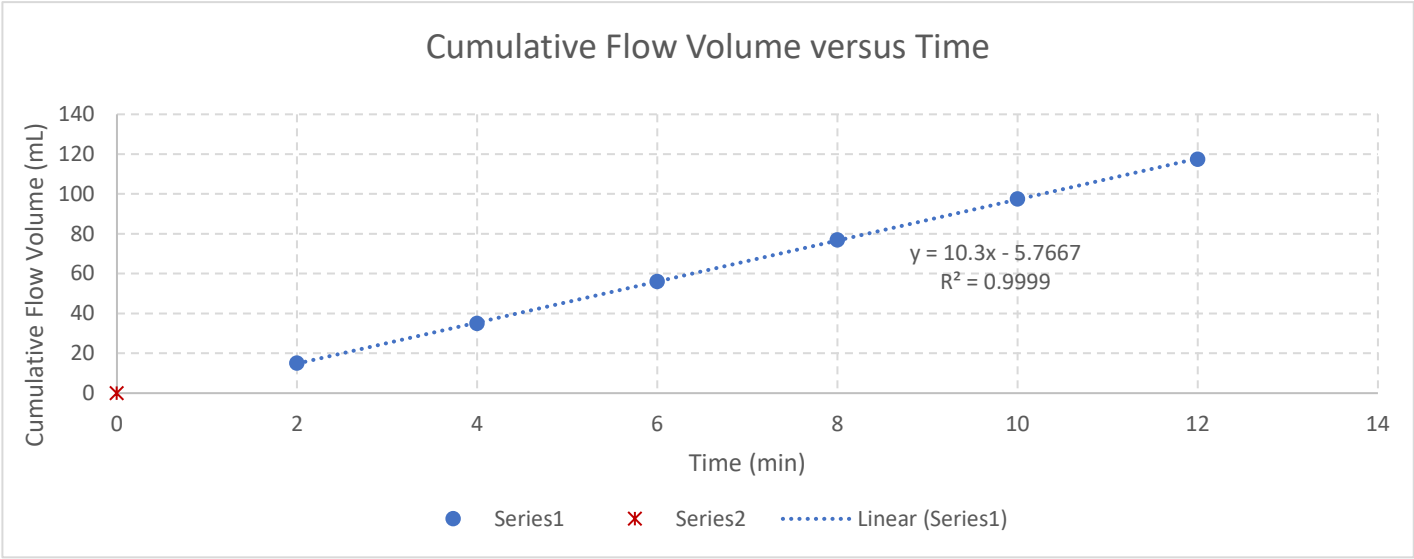
Flow Area: 20.3 cm²

cm: centimeter

min: minute

mL: milliliter

Time								Flow Volume (mL)	
Incremental			Cumulative		Water Level				
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	0	0.00	4.00	0	0
8/12/2022	0:02:00	120	120	2.0	10 3/4	0.90	3.10	15.0	15
8/12/2022	0:04:00	120	240	4.0	11 1/4	0.94	3.06	20.0	35
8/12/2022	0:06:00	120	360	6.0	11 1/2	0.96	3.04	21.0	56
8/12/2022	0:08:00	120	480	8.0	12	1.00	3.00	21.0	77
8/12/2022	0:10:00	120	600	10.0	12 1/3	1.03	2.97	20.5	97.5
8/12/2022	0:12:00	120	720	12.0	12 3/4	1.06	2.94	20.0	117.5
Best-Fit Line		Final Time	720					Final Volume	117.5
Best-Fit Line Y Intercept:			-5.25						



Notes:

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Sample Depth: 0–4 feet

Sediment Sample Length: 2.25 feet

Total Core Tube Length: 4.00 feet

Core Diameter: 2.00 inches

Core Diameter: 5.08 cm

Flow Area: 20.3 cm²

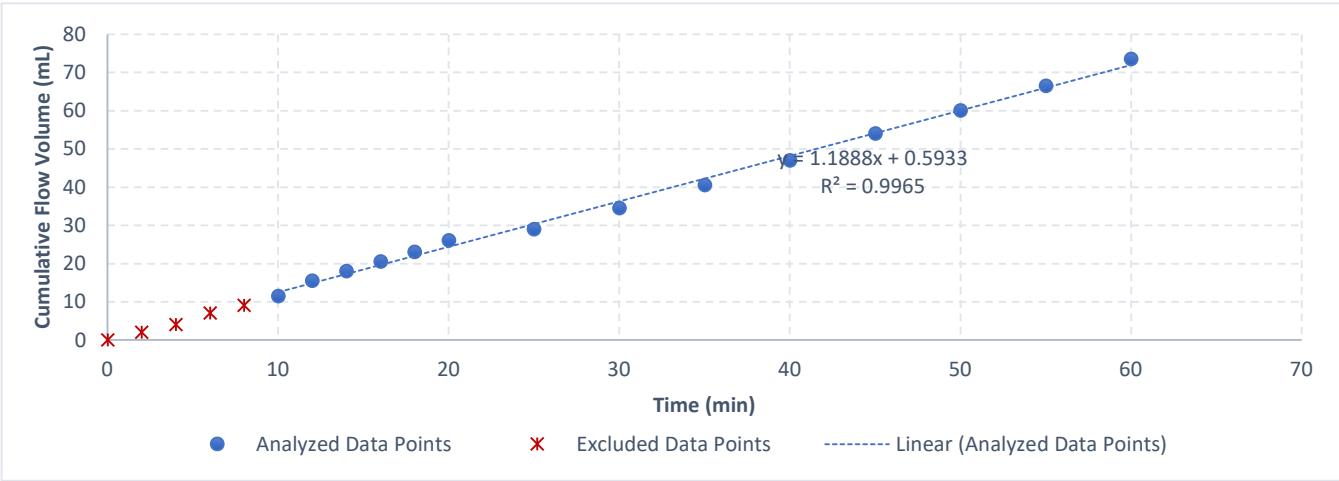
cm: centimeter

min: minute

mL: milliter



Time								Flow Volume (mL)	
Incremental			Cumulative		Water Level				
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	5	0.42	3.58	0	0
8/12/2022	0:02:00	120	120	2.0	5 1/4	0.44	3.56	2.0	2
8/12/2022	0:04:00	120	240	4.0	5 3/8	0.45	3.55	2.0	4
8/12/2022	0:06:00	120	360	6.0	5 4/7	0.46	3.54	3.0	7
8/12/2022	0:08:00	120	480	8.0	5 3/5	0.47	3.53	2.0	9
8/12/2022	0:10:00	120	600	10.0	5 5/8	0.47	3.53	2.5	11.5
8/12/2022	0:12:00	120	720	12.0	5 2/3	0.47	3.53	4.0	15.5
8/12/2022	0:14:00	120	840	14.0	5 3/4	0.48	3.52	2.5	18
8/12/2022	0:16:00	120	960	16.0	5 15/16	0.49	3.51	2.5	20.5
8/12/2022	0:18:00	120	1080	18.0	6	0.50	3.50	2.5	23
8/12/2022	0:20:00	120	1200	20.0	6 1/16	0.51	3.49	3.0	26
8/12/2022	0:25:00	300	1500	25.0	6 7/8	0.57	3.43	3.0	29
8/12/2022	0:30:00	300	1800	30.0	7 1/16	0.59	3.41	5.5	34.5
8/12/2022	0:35:00	300	2100	35.0	7 1/4	0.60	3.40	6.0	40.5
8/12/2022	0:40:00	300	2400	40.0	7 3/8	0.61	3.39	6.5	47
8/12/2022	0:45:00	300	2700	45.0	7 1/2	0.62	3.38	7.0	54
8/12/2022	0:50:00	300	3000	50.0	7 5/8	0.64	3.36	6.0	60
8/12/2022	0:55:00	300	3300	55.0	7 3/4	0.65	3.35	6.5	66.5
8/12/2022	1:00:00	300	3600	60.0	7 7/8	0.66	3.34	7.0	73.5
Best-Fit Line		Final Time	3600					Final Volume	73.5
Best-Fit Line Y Intercept:			0.5933						



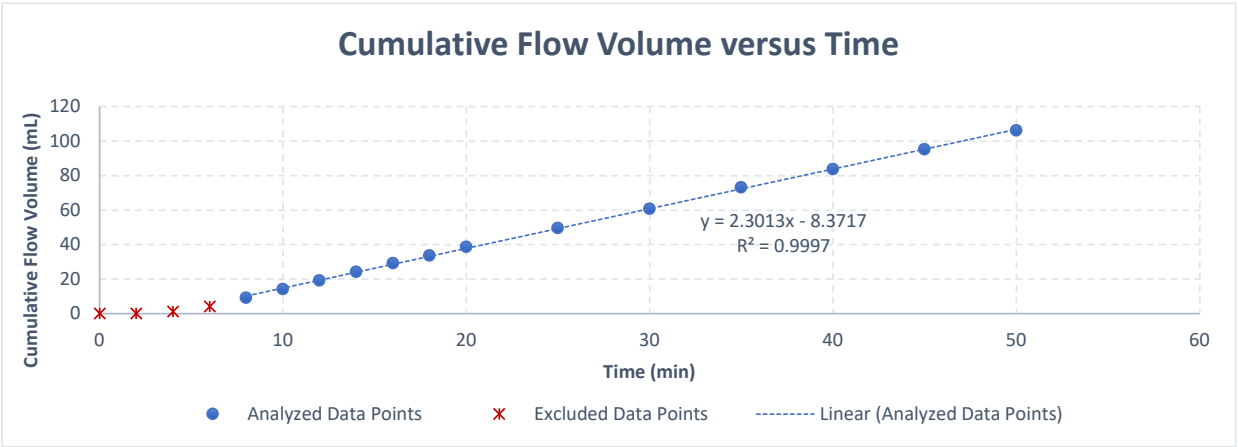
Notes:

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere	Core Diameter: 5.08 cm
Sample Depth: 0–4 feet	Flow Area: 20.3 cm ²
Sediment Sample Length: 1.79 feet	cm: centimeter
Total Core Tube Length: 4.00 feet	min: minute
Core Diameter: 2.00 inches	mL: milliliter



Time								Flow Volume (mL)	
Incremental			Cumulative		Water Level				
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	3 3/8	0.28	3.72	0	0
8/12/2022	0:02:00	120	120	2.0	3 3/4	0.31	3.69	0.0	0
8/12/2022	0:04:00	120	240	4.0	3 7/8	0.32	3.68	1.0	1
8/12/2022	0:06:00	120	360	6.0	4	0.33	3.67	3.0	4
8/12/2022	0:08:00	120	480	8.0	4	0.34	3.66	5.0	9
8/12/2022	0:10:00	120	600	10.0	4 1/4	0.35	3.65	5.0	14
8/12/2022	0:12:00	120	720	12.0	4 3/8	0.36	3.64	5.0	19
8/12/2022	0:14:00	120	840	14.0	4 1/2	0.37	3.63	5.0	24
8/12/2022	0:16:00	120	960	16.0	4 9/16	0.38	3.62	5.0	29
8/12/2022	0:18:00	120	1080	18.0	4 5/8	0.39	3.61	4.5	33.5
8/12/2022	0:20:00	120	1200	20.0	4 3/4	0.40	3.60	5.0	38.5
8/12/2022	0:25:00	300	1500	25.0	5	0.42	3.58	11.0	49.5
8/12/2022	0:30:00	300	1800	30.0	5 5/16	0.44	3.56	11.0	60.5
8/12/2022	0:35:00	300	2100	35.0	5 1/2	0.46	3.54	12.5	73
8/12/2022	0:40:00	300	2400	40.0	5 13/16	0.48	3.52	10.5	83.5
8/12/2022	0:45:00	300	2700	45.0	6	0.50	3.50	11.5	95
8/12/2022	0:50:00	300	3000	50.0	6 1/4	0.52	3.48	11.0	106
Best-Fit Line		Final Time	3000					Final Volume	106
Best-Fit Line Y Intercept:			-8.3717						



Notes:

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Sample Depth: 0–4 feet

Sediment Sample Length: 2.14 feet

Total Core Tube Length: 4.00 feet

Core Diameter: 2.00 inches

Core Diameter: 5.08 cm

Flow Area: 20.3 cm²

cm: centimeter

min: minute

mL: milliter

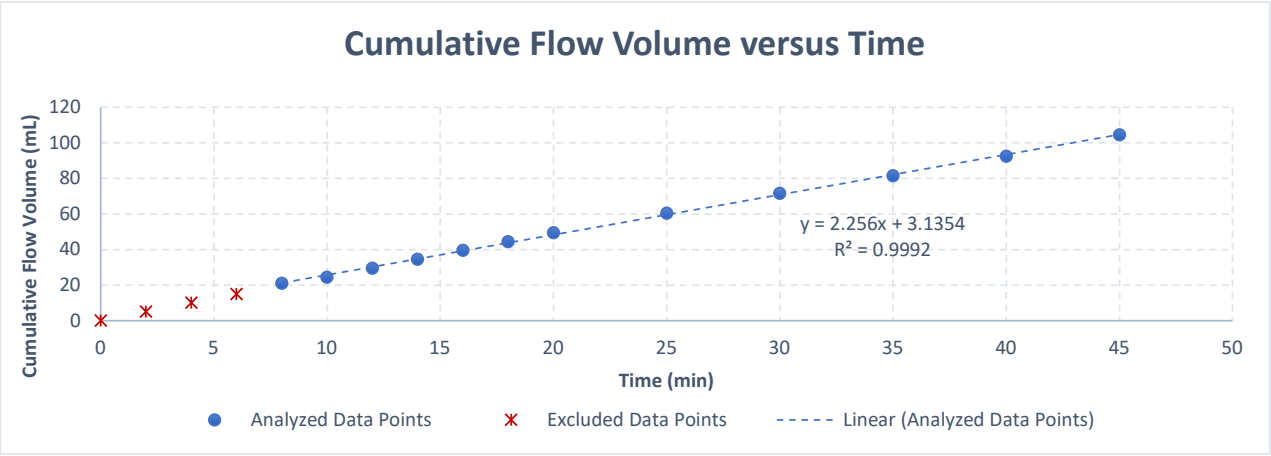


Core ID: ST167-PZ8

Vertical Hydraulic Conductivity

Pre-Design Investigation Summary Report for Reach 5A Sediment and Riverbanks

Time								Flow Volume (mL)	
Incremental			Cumulative		Water Level				
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	3	0.25	3.75	0	0
8/12/2022	0:02:00	120	120	2.0	3 1/4	0.27	3.73	5.0	5
8/12/2022	0:04:00	120	240	4.0	3 3/8	0.28	3.72	5.0	10
8/12/2022	0:06:00	120	360	6.0	3 1/2	0.29	3.71	5.0	15
8/12/2022	0:08:00	120	480	8.0	3 5/8	0.30	3.70	6.0	21
8/12/2022	0:10:00	120	600	10.0	3 3/4	0.31	3.69	3.5	24.5
8/12/2022	0:12:00	120	720	12.0	3 7/8	0.32	3.68	5.0	29.5
8/12/2022	0:14:00	120	840	14.0	4	0.33	3.67	5.0	34.5
8/12/2022	0:16:00	120	960	16.0	4 1/16	0.34	3.66	5.0	39.5
8/12/2022	0:18:00	120	1080	18.0	4 1/8	0.34	3.66	5.0	44.5
8/12/2022	0:20:00	120	1200	20.0	4 1/4	0.35	3.65	5.0	49.5
8/12/2022	0:25:00	300	1500	25.0	4 1/2	0.37	3.63	11.0	60.5
8/12/2022	0:30:00	300	1800	30.0	4 3/4	0.40	3.60	11.0	71.5
8/12/2022	0:35:00	300	2100	35.0	5	0.42	3.58	10.0	81.5
8/12/2022	0:40:00	300	2400	40.0	5 1/4	0.44	3.56	11.0	92.5
8/12/2022	0:45:00	300	2700	45.0	5 1/2	0.46	3.54	12.0	104.5
Best-Fit Line		Final Time	2700					Final Volume	104.5
Best-Fit Line Y Intercept:			3.1354						



Notes:

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Sample Depth: 0–4 feet

Sediment Sample Length: 2.13 feet

Total Core Tube Length: 4.00 feet

Core Diameter: 2.00 inches

Core Diameter: 5.08 cm

Flow Area: 20.3 cm²

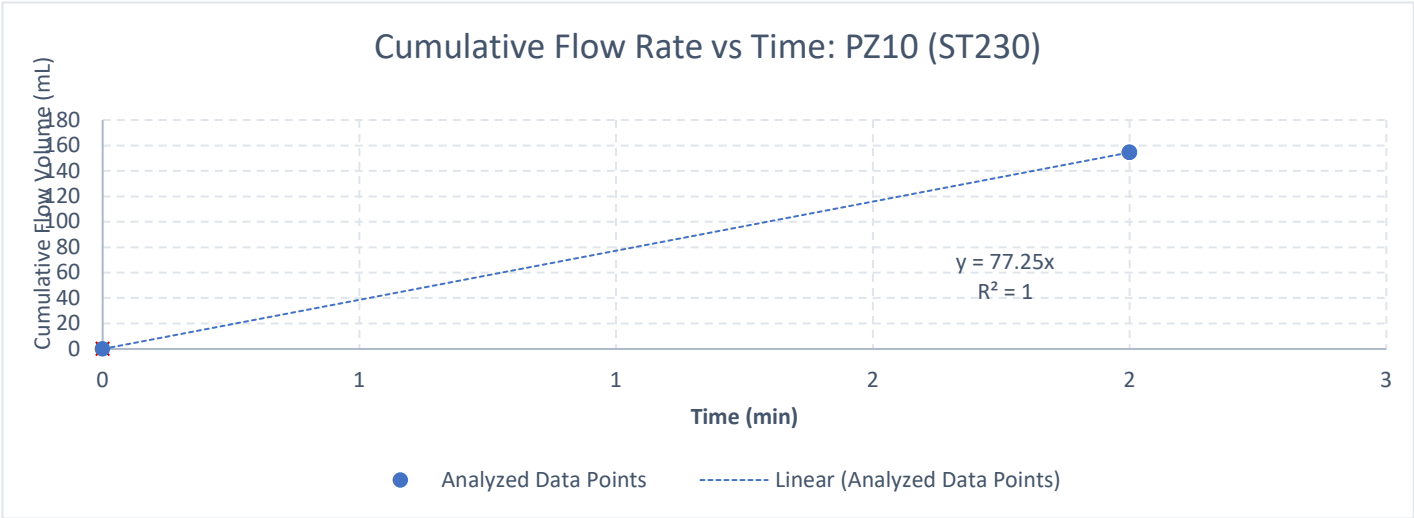
cm: centimeter

min: minute

mL: milliter



Time								Flow Volume (mL)	
Incremental			Cumulative		Water Level				
Date	Time Elapsed (HH:MM:SS)	Seconds	Seconds	Minutes	From Top (inches)	From Top (feet)	From Bottom (feet)	Incremental	Cumulative
8/12/2022	0:00:00	0	0	0.0	17 1/2	1.46	2.54	0	0
8/12/2022	0:02:00	120	120	2.0	21.5	1.79	2.21	154.5	154.5
Best-Fit Line		Final Time	120					Final Volume	154.5
Best-Fit Line Y Intercept:			-115.25						



Notes:

Test and calculation methods described in Gefell, M.J., M. LaRue, and K. Russell, 2019. "Vertical Hydraulic Conductivity Measurement by Gravity Drainage." *Groundwater* 57(4):511–516.

Staff: A. Olsen, J. Ramey-Lariviere

Sample Depth: 0–4 feet

Sediment Sample Length: 1.90 feet

Total Core Tube Length: 4.00 feet

Core Diameter: 2.00 inches

Core Diameter: 5.08 cm

Flow Area: 20.3 cm²

cm: centimeter

min: minute

mL: milliter

Appendix G

Seepage-Induced Consolidation Testing Results

February 2, 2023
Mr. Michael Werth
Principal
Anchor QEA, LLC
290 Elwood Davis Road, Suite 340
Liverpool, NY 13088
Telephone (Office): 315-414-2025
(Cell) 315-278-7616
Email: mwerth@anchoragea.com

Re: GE Housatonic River Reach 5A– Seepage Induced Consolidation Test Results

Dear Michael:

This letter summarizes the results of the seepage induced consolidation (SIC) testing program on six (6) soil samples. The testing program has been conducted in accordance with the Subconsultant Agreement between Anchor QEA, LLC (Anchor) and ZG-Geo Ltd (ZG-Geo) dated September 29, 2022, on the General Electric Company's Housatonic Reach 5A Riverbank and Sediment Pre-Design Investigation Project (GE Housatonic River Reach 5A, Anchor's Project Number: 220469-10.01, Task 03). ZG-Geo received six soil samples and six samples of site water between December 18 and 20, 2022 from AECOM. The sample designation, the average (gravimetric) water content, the specific gravity, the initial void ratio and the Unified Soil Classification System (USCS) classification for the as-received soil samples are summarized Table 1.

Table 1: Water content, specific gravity, initial void ratio and geotechnical classification of as-delivered samples

Sample ID	Water Content	Specific Gravity	Initial Void Ratio ¹	USCS
BW5A-1S	98.4%	2.596	2.55	SM - Silty Sand
BW5A-2S	50.9%	2.601	1.32	SM - Silty Sand
BW5A-3S	40.1%	2.601	1.04	SW-SM - Well-Graded Sand with Silt
BW5A-4S	40.0%	2.638	1.06	SM - Silty Sand
BW5A-5S	83.4%	2.610	2.18	ML - Sandy Silt
BW5A-6S	108.3%	2.487	2.69	SM - Silty Sand

Notes:

- 1) Initial void ratio values were calculated assuming fully saturated samples.

The chain of custody for as-delivered samples is included as Attachment 1.

1.0 SIC Test Results

1.1 Sample Preparation

Prior to SIC testing, the samples were screened through No. 4 (4.75 mm) sieve to remove oversized particles such as organic material (e.g., twigs) and gravels (see Attachment 2). No oversized material was retained on No. 4 sieve when preparing BW5A-5S and BW5A-6S samples. Site water was added to samples BW5A-5S and BW5A-6S to create homogeneous material with suitable consistency for SIC testing.

1.2 Material Characteristics

The seepage induced consolidation (SIC) test is used to determine compressibility and permeability parameters A, B, Z, C and D. The compressibility and permeability relationships are defined as:

Compressibility
$$e = A (\sigma' + Z)^B$$

Hydraulic Conductivity
$$k = C e^D$$

where e denotes the void ratio and k is the hydraulic conductivity. Constitutive parameters A, B, Z, C and D are provided in the SI system of units in Table 2.

Table 2: Consolidation parameters (SI Units)

Sample ID	A (1/kPa) ^B	B (-)	Z (kPa)	C (m/day)	D (-)	e_0^1 (-)
BW5A-1S	2.779	-0.178	0.455	7.96e-5	5.10	3.20
BW5A-2S	1.737	-0.153	0.468	1.53e-2	2.71	1.95
BW5A-3S	0.956	-0.123	0.142	6.53e-2	2.66	1.22
BW5A-4S	1.132	-0.131	0.307	2.29e-2	3.51	1.32
BW5A-5S	2.438	-0.116	0.028	8.59e-5	4.82	3.69
BW5A-6S	3.650	-0.142	0.246	1.68e-5	5.55	4.45

Notes:

- 1) Void ratio at zero effective stress is determined as $e_0 = AZ^B$.

Upon placement in the holding cell, samples BW5A-1S, BW2A-2S, BW5A-3S and BW5A-4S exhibited swelling after filling the equipment with site water. The swelling was most likely caused by the rebound of material upon removal of the in-situ overburden pressure. To scale the material parameters to in-situ conditions, the compressibility parameters in Table 2 were modified by changing the parameter Z as shown in Table 3, i.e. values in Table 3 should be used for settlement analyses of undisturbed material in the field.

Table 3: Consolidation parameters for modeling in-situ conditions (SI Units)

Sample ID	A (1/kPa) ^B	B (-)	Z (kPa)	C (m/day)	D (-)	e_0^1 (-)
BW5A-1S	2.779	-0.178	1.610	7.96e-5	5.10	2.55
BW5A-2S	1.737	-0.153	5.890	1.53e-2	2.71	1.32
BW5A-3S	0.956	-0.123	0.492	6.53e-2	2.66	1.04
BW5A-4S	1.132	-0.131	1.710	2.29e-2	3.51	1.06
BW5A-5S	2.438	-0.116	2.650	8.59e-5	4.82	2.18
BW5A-6S	3.650	-0.142	8.510	1.68e-5	5.55	2.69

Notes:

- 1) Void ratio at zero effective stress is determined as $e_0 = AZ^B$.

The compressibility and hydraulic conductivity relationships for tested samples are presented in Figures 1.1 to 6.2 as summarized in Table 4.

Table 4: List of figures w/ compressibility and hydraulic conductivity relationships

Sample ID	Compressibility	Hydraulic Conductivity
BW5A-1S	Figure 1.1	Figure 1.2
BW5A-2S	Figure 2.1	Figure 2.2
BW5A-3S	Figure 3.1	Figure 3.2
BW5A-4S	Figure 4.1	Figure 4.2
BW5A-5S	Figure 5.1	Figure 5.2
BW5A-6S	Figure 6.1	Figure 6.2

2.0 Closure

We would like to thank you for the opportunity to perform the laboratory testing on your project. Please note that the received samples will be disposed after thirty (30) days unless other arrangements are made. If you need any additional information, please contact the undersigned at ggjerapic@gmail.com.

Sincerely,



Dobroslav Znidarcic, PhD
Civil/Geotech. Engineer, Professor Emeritus



Gordan Gjerapic, PhD, PE
Civil/Geotech. Engineer, Owner

Figures:

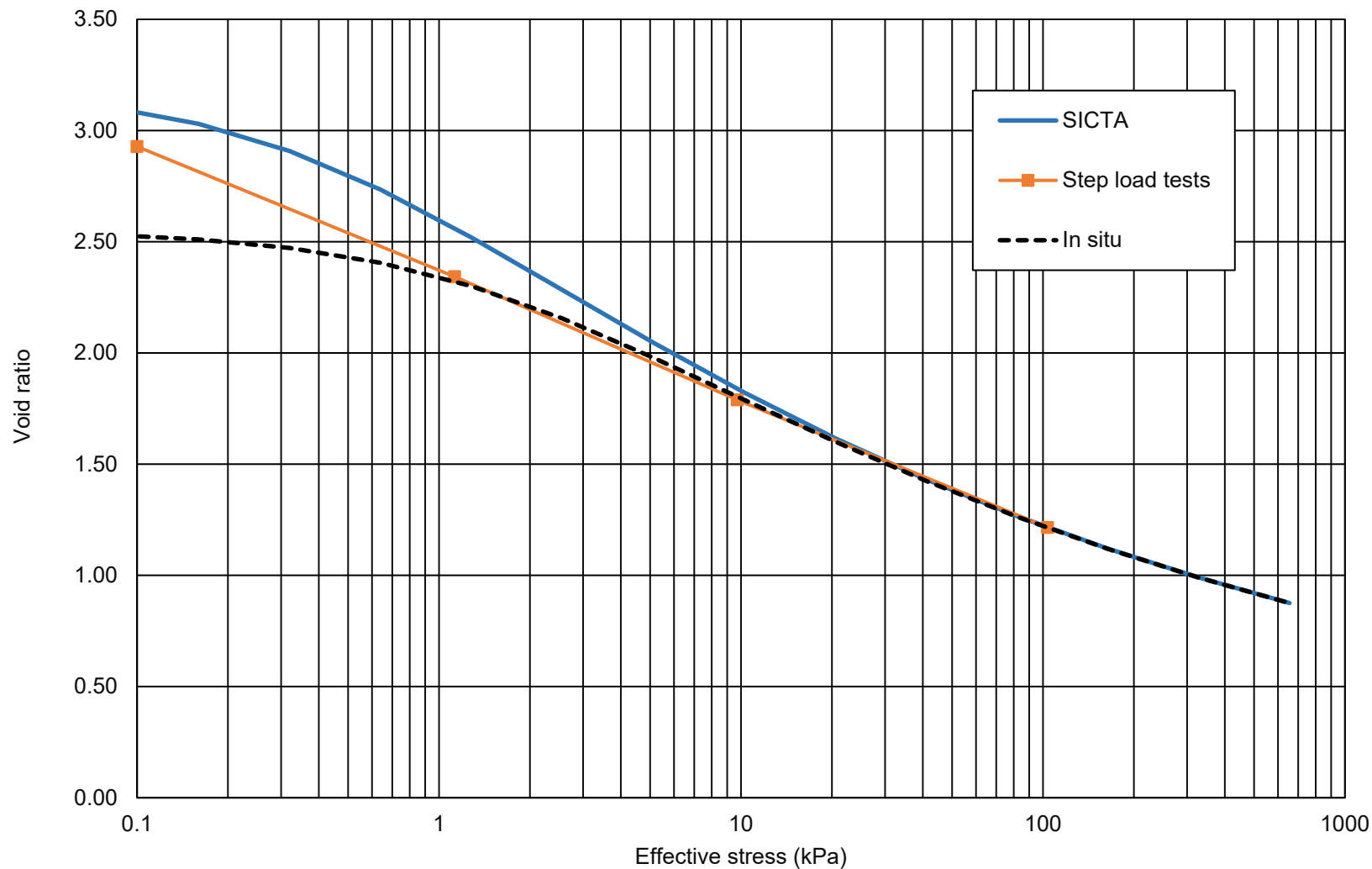
- 1.1 - Compressibility Parameters for Sample BW5A-1S (SI Units)
- 1.2 - Hydraulic Conductivity Parameters for Sample BW5A-1S
- 2.1 – Compressibility Parameters for Sample BW5A-2S (SI Units)
- 2.2 - Hydraulic Conductivity Parameters for Sample BW5A-2S
- 3.1 - Compressibility Parameters for Sample BW5A-3S (SI Units)
- 3.2 - Hydraulic Conductivity Parameters for Sample BW5A-3S
- 4.1 – Compressibility Parameters for Sample BW5A-4S (SI Units)
- 4.2 - Hydraulic Conductivity Parameters for Sample BW5A-4S
- 5.1 - Compressibility Parameters for Sample BW5A-5S (SI Units)
- 5.2 - Hydraulic Conductivity Parameters for Sample BW5A-5S
- 6.1 – Compressibility Parameters for Sample BW5A-6S (SI Units)

6.2 - Hydraulic Conductivity Parameters for Sample BW5A-6S

Attachments:

- 1 - Chain of custody for laboratory samples
- 2 - Photo log
- 3 - Specific gravity results
- 4 - SICT Results
 - 4.1 - SICT Results for Sample BW5A-1S (SI Units: kPa, m, day)
 - 4.2 - SICT Results for Sample BW5A-2S (SI Units: kPa, m, day)
 - 4.3 - SICT Results for Sample BW5A-3S (SI Units: kPa, m, day)
 - 4.4 - SICT Results for Sample BW5A-4S (SI Units: kPa, m, day)
 - 4.5 - SICT Results for Sample BW5A-5S (SI Units: kPa, m, day)
 - 4.6 - SICT Results for Sample BW5A-6S (SI Units: kPa, m, day)
- 5 - Seepage Induced Consolidation Test (SICT) Procedure

FIGURES



Param.	SICTA	In-Situ	Unit
A	2.779	2.779	(1/kPa) ^B
B	-0.178	-0.178	(-)
Z	0.4555	1.61	(kPa)

ZG-GEO

CLIENT/PROJECT

**Anchor QEA
GE Housatonic River Reach 5A**

TITLE

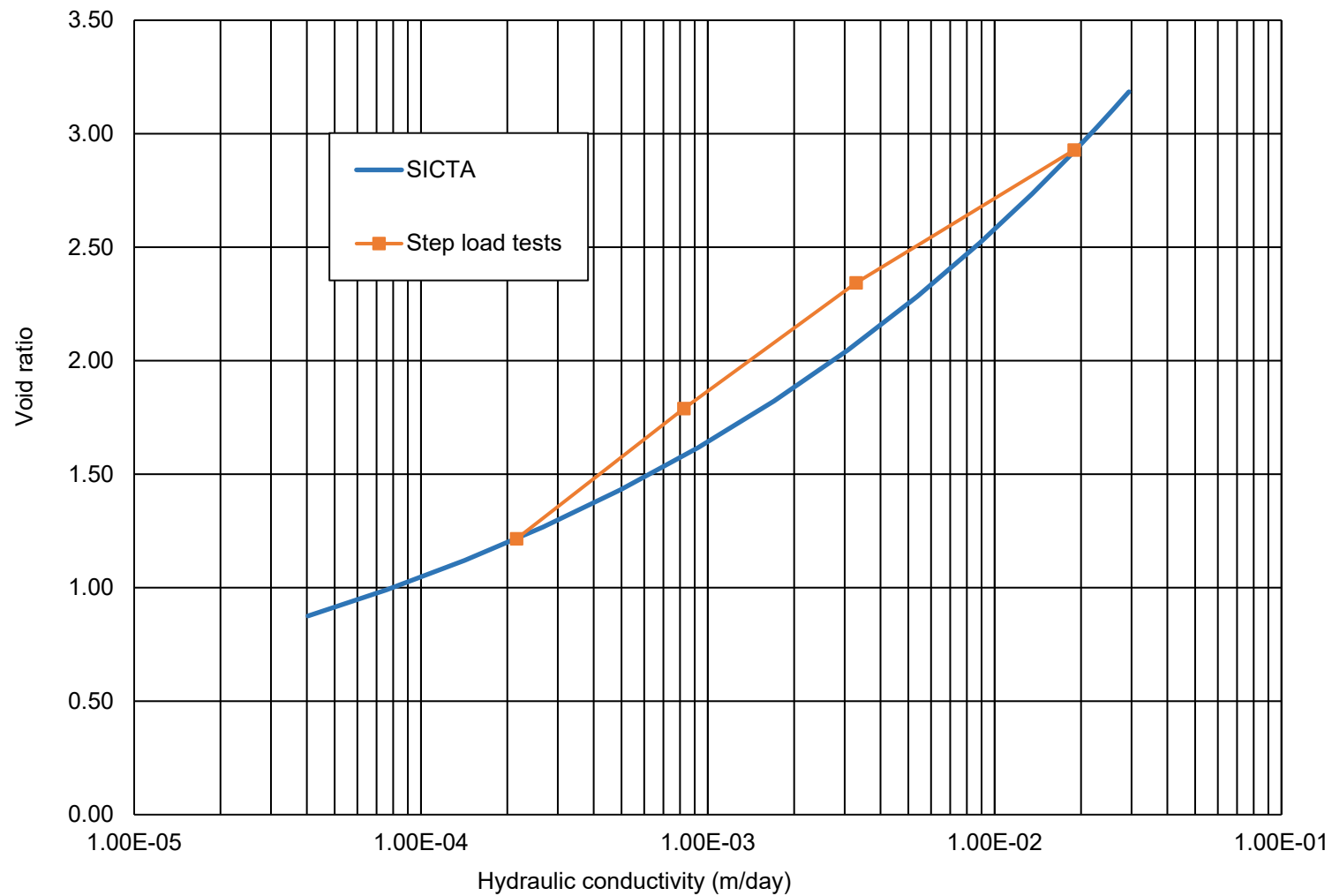
**Compressibility Parameters
for Sample BW5A-1S**

PROJECT NO. 023-1002

DRAWN GG APPROVED DZ

DATE 2/2/2023 REV. --

SCALE AS SHOWN FIGURE NO. 1.1



Param.	SICTA	Unit
C	7.96E-05	(m/day)
D	5.103	(-)

ZG-GEO

CLIENT/PROJECT

**Anchor QEA
GE Housatonic River Reach 5A**

TITLE

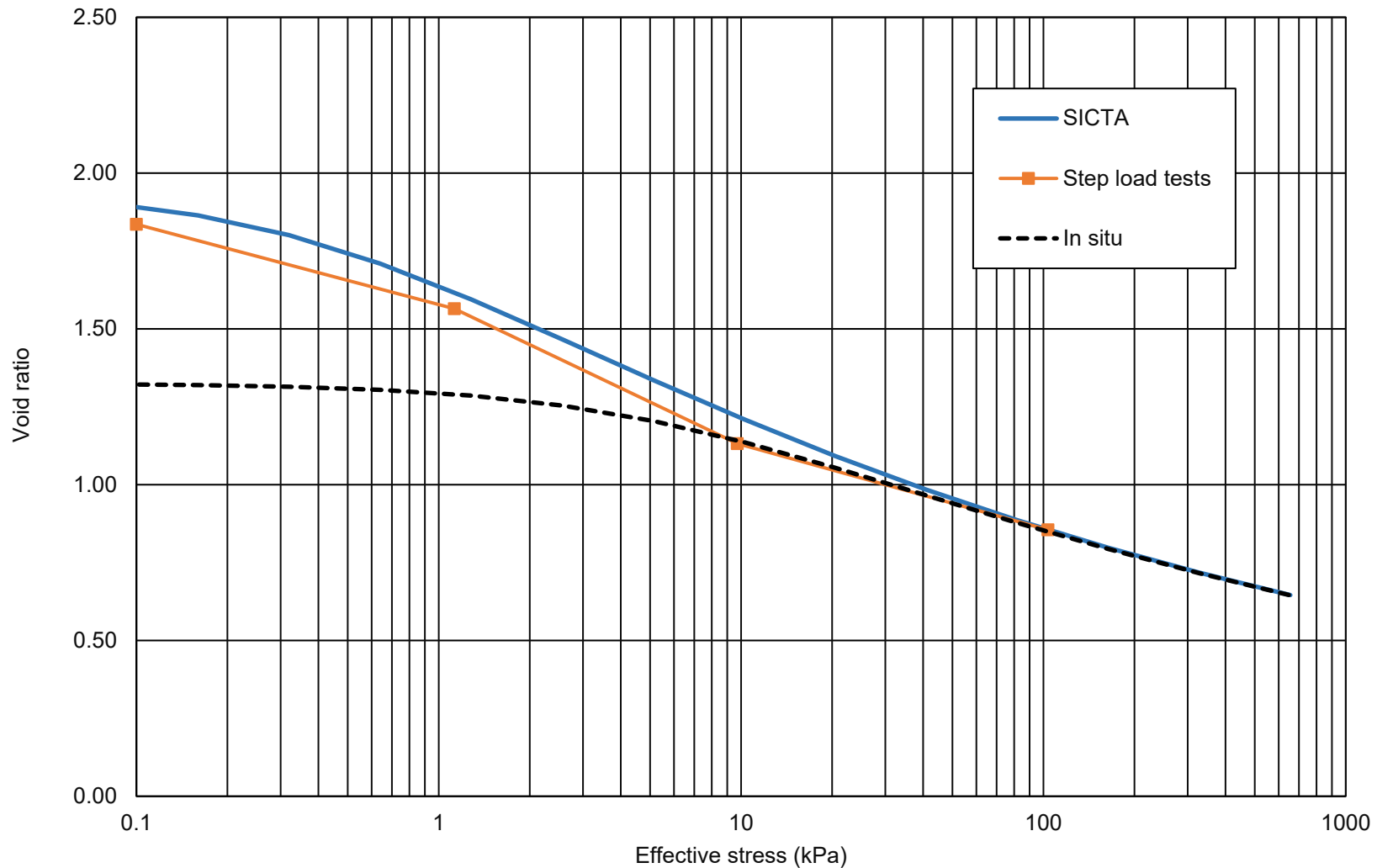
**Hydraulic Conductivity Parameters
for Sample BW5A-1S**

PROJECT NO. 023-1002

DRAWN GG APPROVED DZ

DATE 2/2/2023 REV. --

SCALE AS SHOWN FIGURE NO. 1.2



Param.	SICTA	In-Situ	Unit
A	1.737	1.737	(1/kPa)^B
B	-0.153	-0.153	(-)
Z	0.4679	5.89	(kPa)

ZG-GEO

CLIENT/PROJECT

Anchor QEA
GE Housatonic River Reach 5A

TITLE

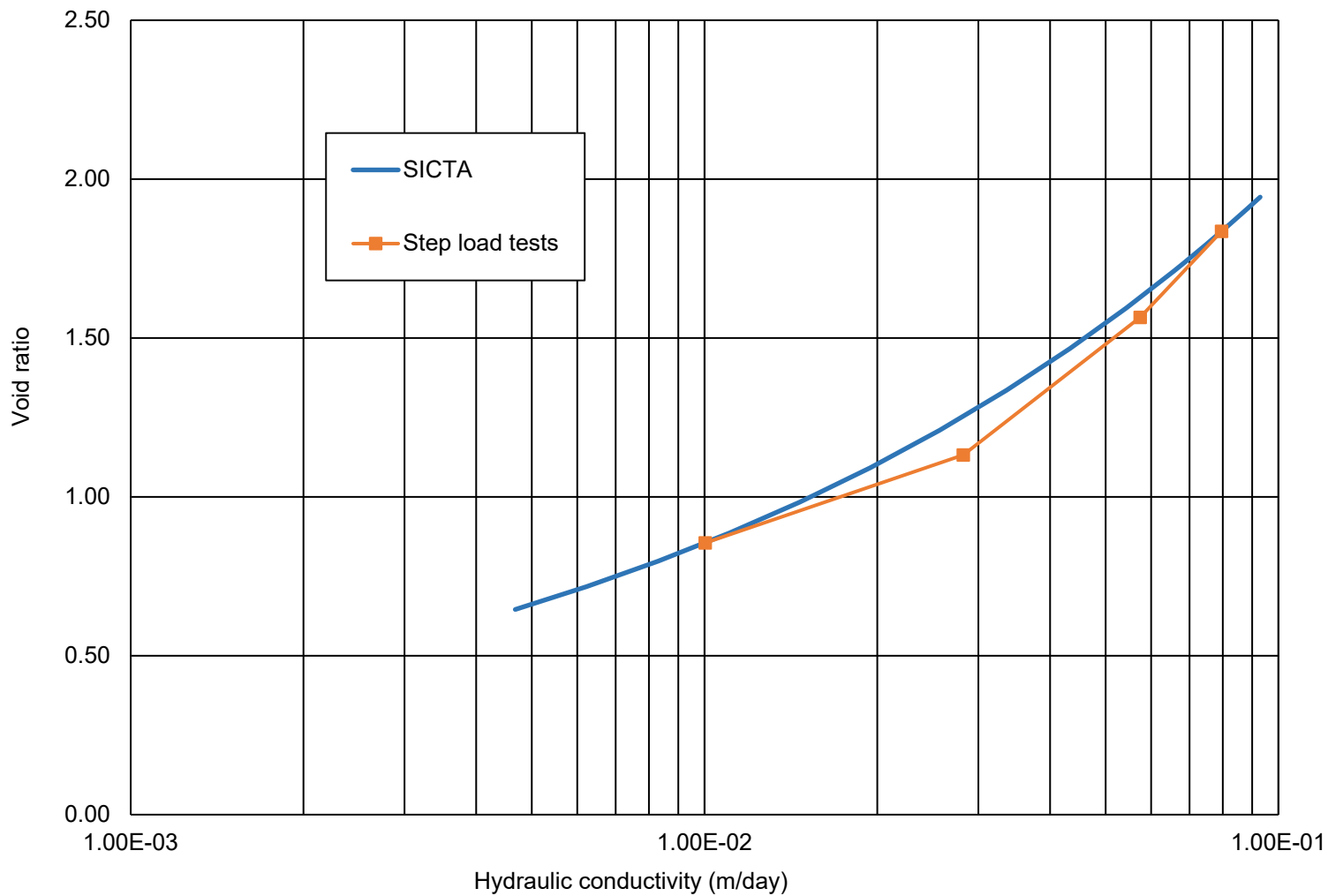
Compressibility Parameters
for Sample BW5A-2S

PROJECT NO. 023-1002

DRAWN GG APPROVED DZ

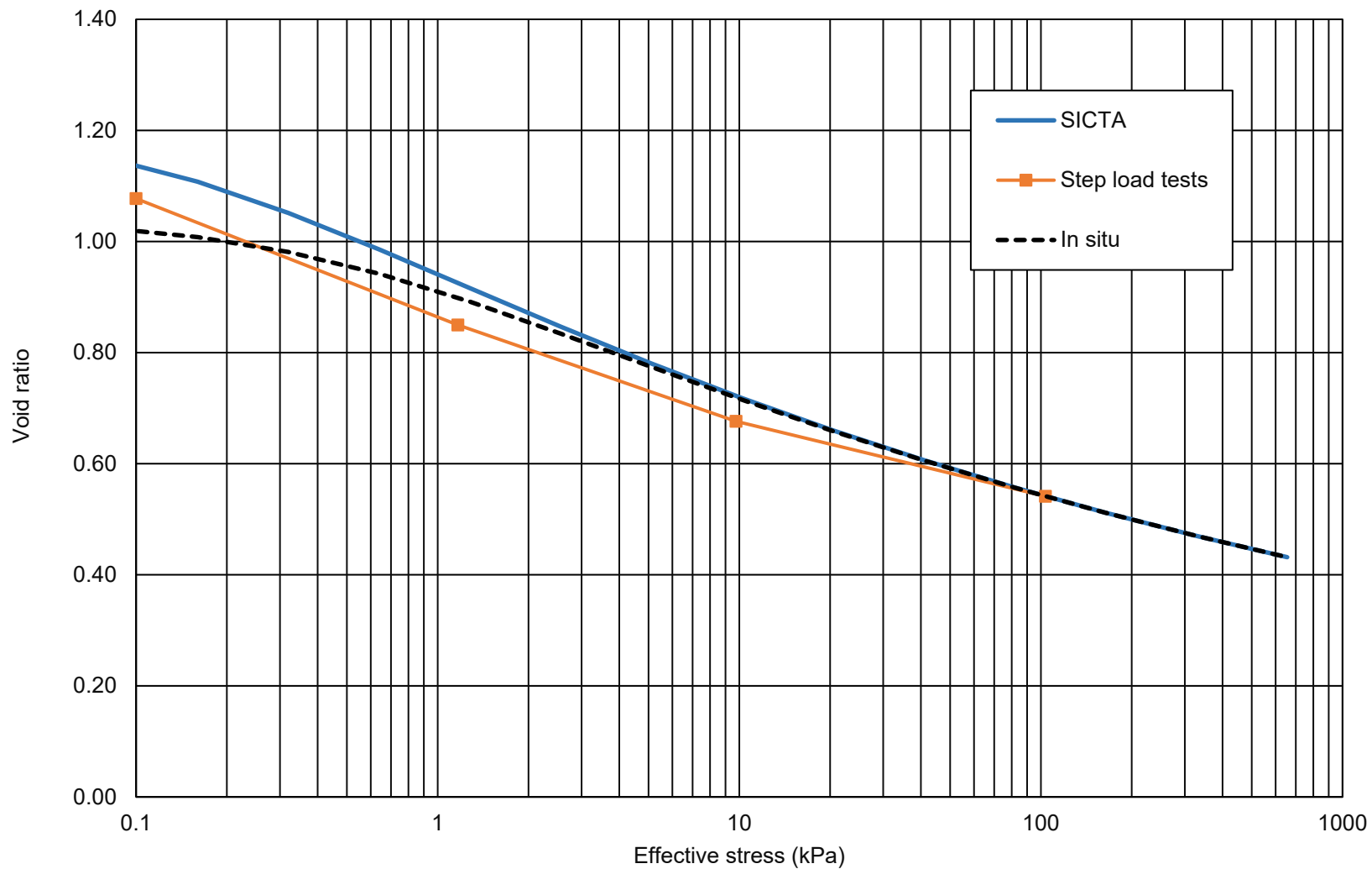
DATE 2/2/2023 REV. --

SCALE AS SHOWN FIGURE NO. 2.1



Param.	SICTA	Unit
C	1.53E-02	(m/day)
D	2.712	(-)

	TITLE	
	Hydraulic Conductivity Parameters for Sample BW5A-2S	
	CLIENT/PROJECT	
	Anchor QEA GE Housatonic River Reach 5A	
	PROJECT NO. 023-1002	
DRAWN GG		APPROVED DZ
DATE 2/2/2023		REV. --
SCALE AS SHOWN		FIGURE NO. 2.2



Param.	SICTA	In-Situ	Unit
A	0.956	0.956	(1/kPa) ^B
B	-0.123	-0.123	(-)
Z	0.1422	0.492	(kPa)

ZG-GEO

CLIENT/PROJECT

Anchor QEA
GE Housatonic River Reach 5A

TITLE

Compressibility Parameters
for Sample BW5A-3S

PROJECT NO.

023-1002

DRAWN

GG

APPROVED

DZ

DATE

2/2/2023

REV.

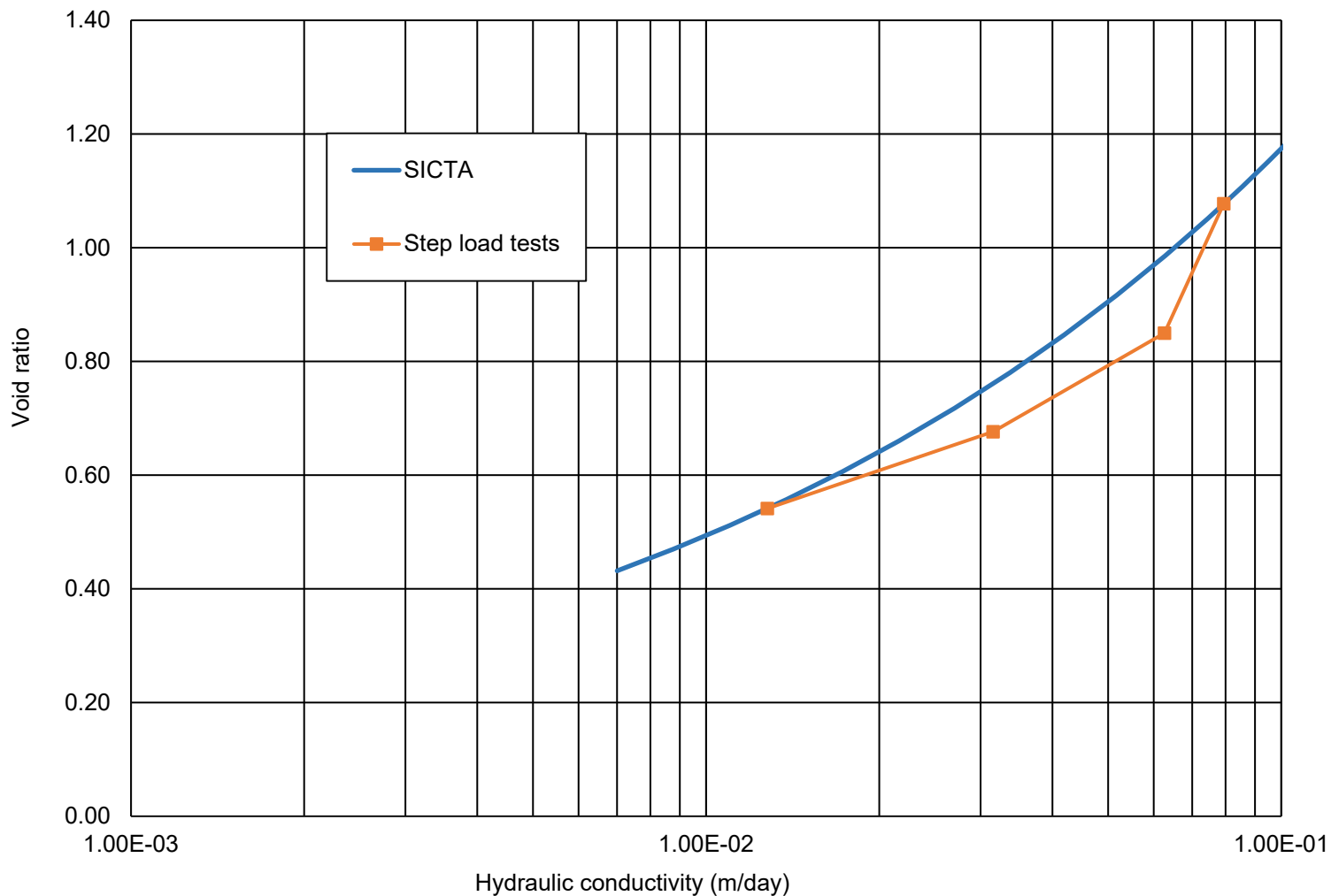
--

SCALE

AS SHOWN

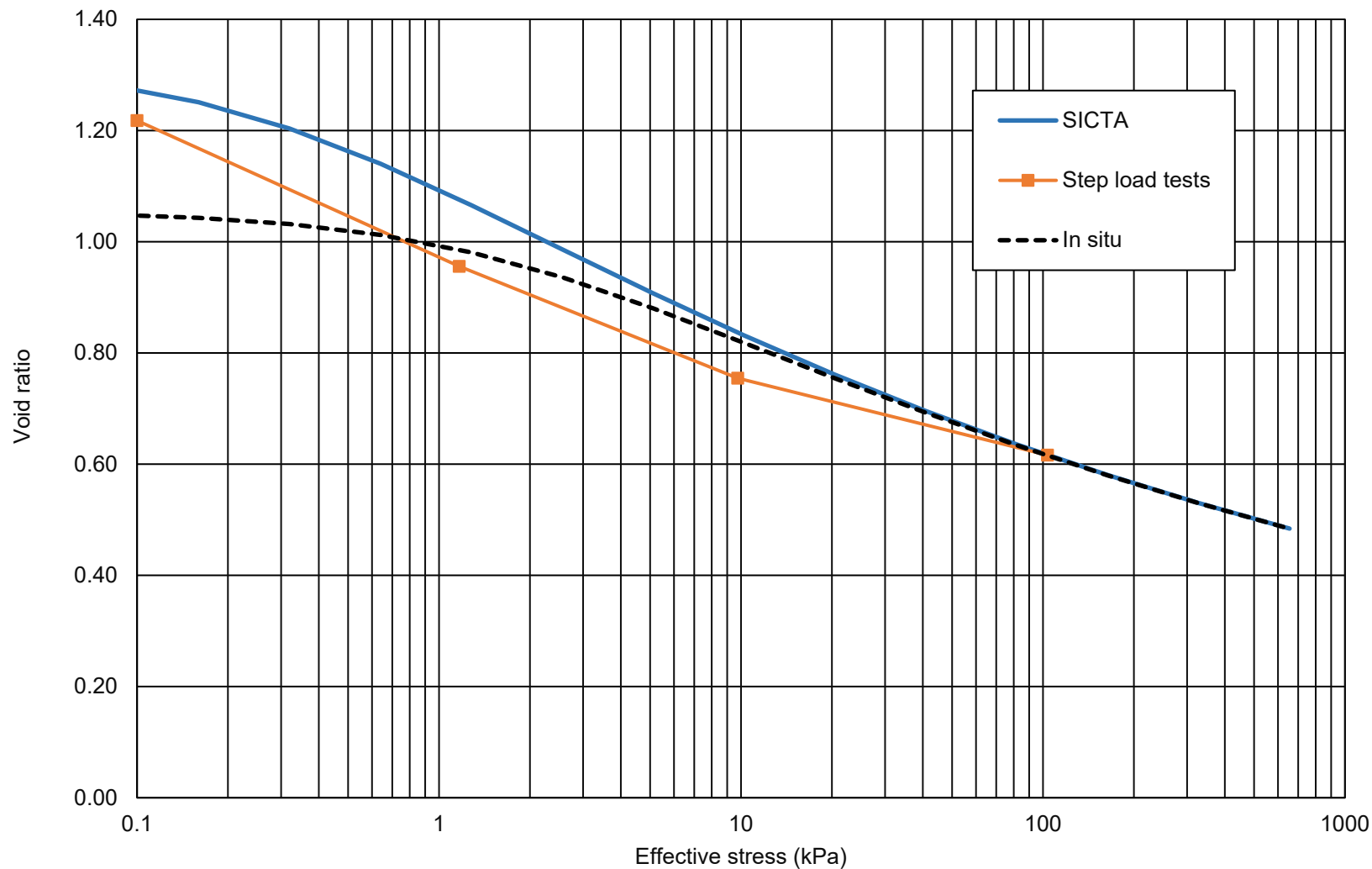
FIGURE NO.

3.1



Param.	SICTA	Unit
C	6.53E-02	(m/day)
D	2.657	(-)

		TITLE	
		Hydraulic Conductivity Parameters for Sample BW5A-3S	
CLIENT/PROJECT		PROJECT NO. 023-1002	
Anchor QEA GE Housatonic River Reach 5A		DRAWN GG	APPROVED DZ
		DATE 2/2/2023	REV. --
		SCALE AS SHOWN	FIGURE NO. 3.2



Param.	SICTA	In-Situ	Unit
A	1.132	1.132	(1/kPa) ^B
B	-0.131	-0.131	(-)
Z	0.3069	1.71	(kPa)

ZG-GEO

CLIENT/PROJECT

**Anchor QEA
GE Housatonic River Reach 5A**

TITLE

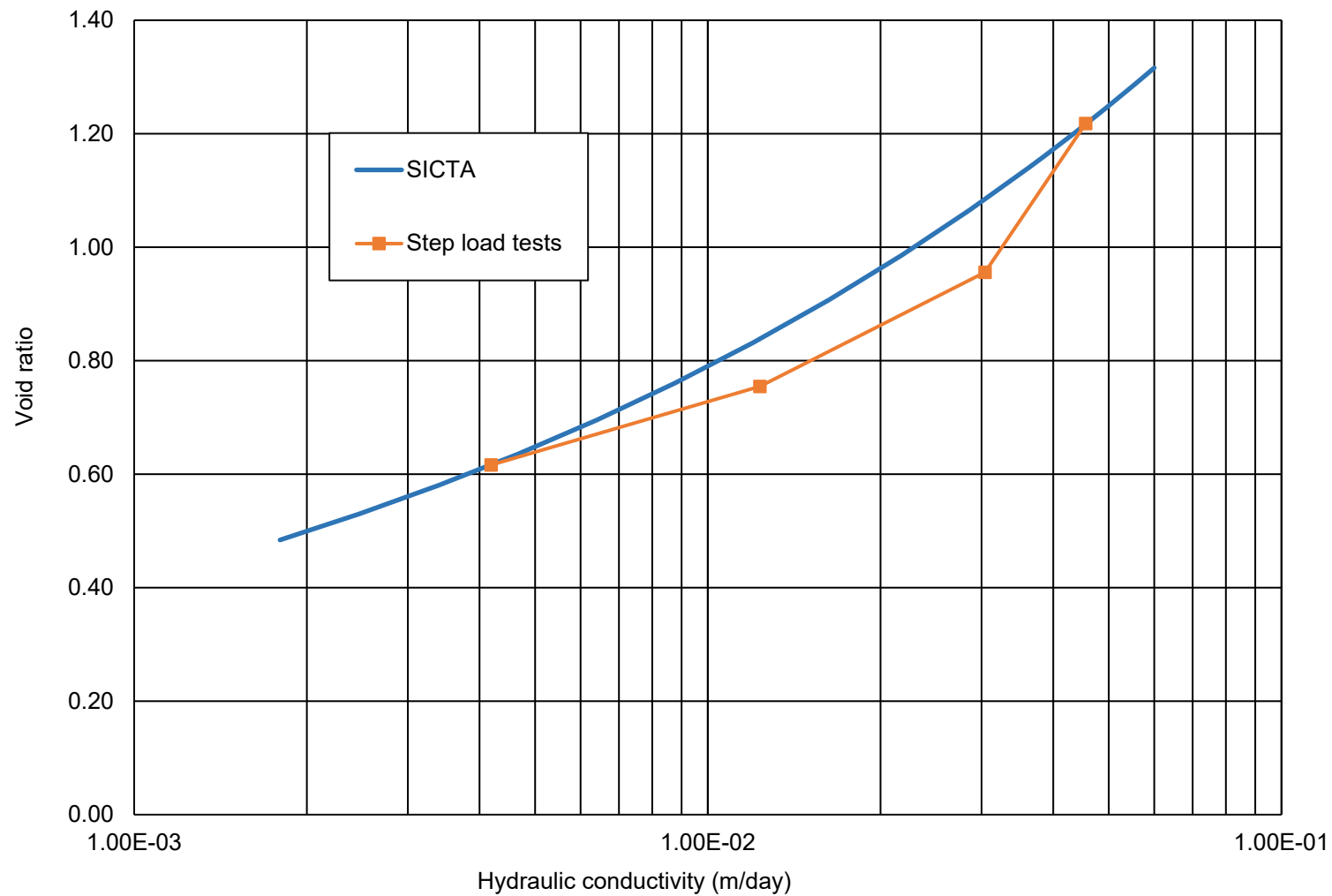
**Compressibility Parameters
for Sample BW5A-4S**

PROJECT NO. 023-1002

DRAWN GG APPROVED DZ

DATE 2/2/2023 REV. --

SCALE AS SHOWN FIGURE NO. 4.1



Param.	SICTA	Unit
C	2.29E-02	(m/day)
D	3.508	(-)

ZG-GEO

CLIENT/PROJECT

**Anchor QEA
GE Housatonic River Reach 5A**

TITLE

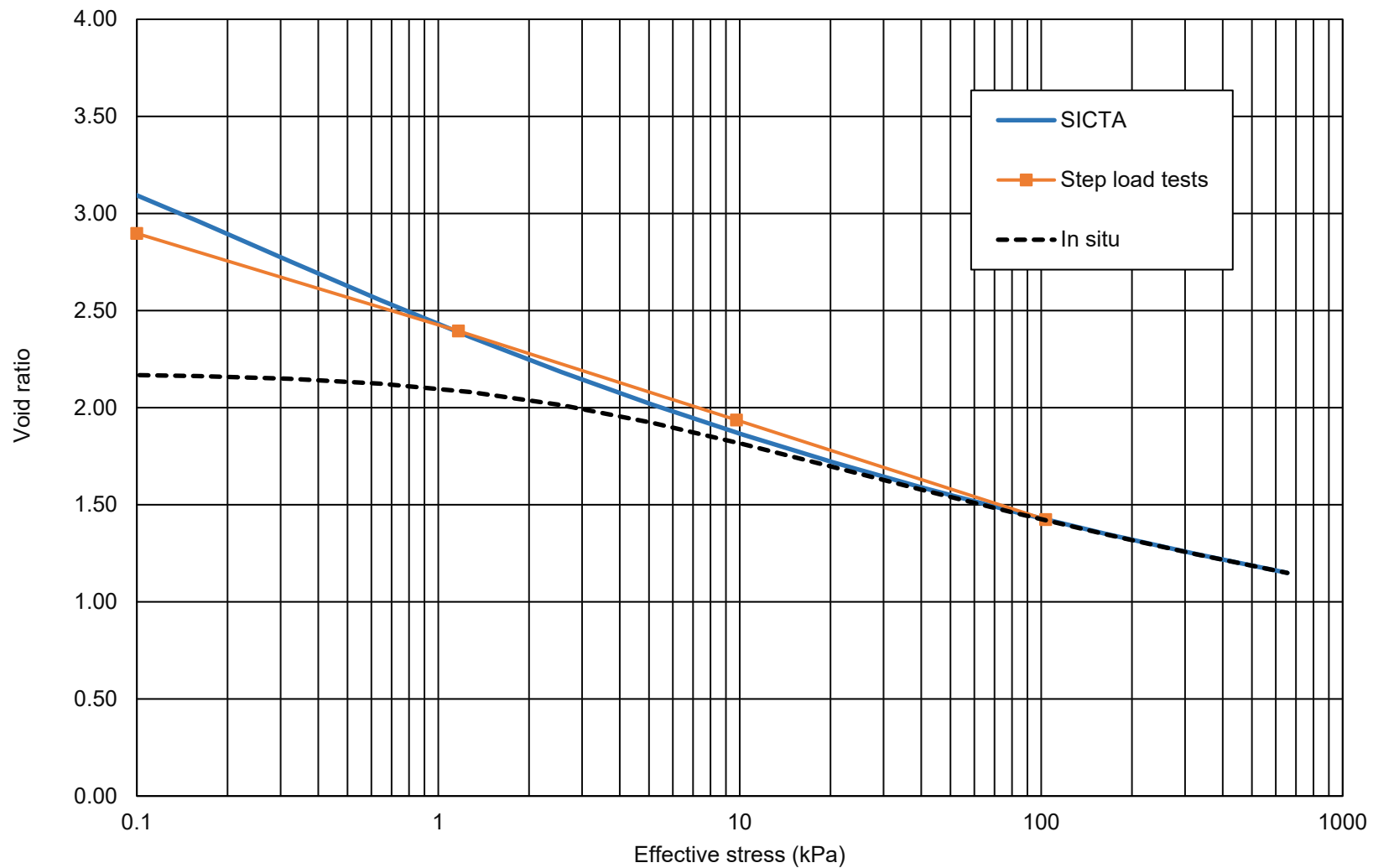
**Hydraulic Conductivity Parameters
for Sample BW5A-4S**

PROJECT NO. 023-1002

DRAWN GG APPROVED DZ

DATE 2/2/2023 REV. --

SCALE AS SHOWN FIGURE NO. 4.2



Param.	SICTA	In-Situ	Unit
A	2.438	2.438	(1/kPa) ^B
B	-0.116	-0.116	(-)
Z	0.0277	2.65	(kPa)

ZG-GEO

CLIENT/PROJECT

Anchor QEA
GE Housatonic River Reach 5A

TITLE

Compressibility Parameters
for Sample BW5A-5S

PROJECT NO.

023-1002

DRAWN

GG

APPROVED

DZ

DATE

2/2/2023

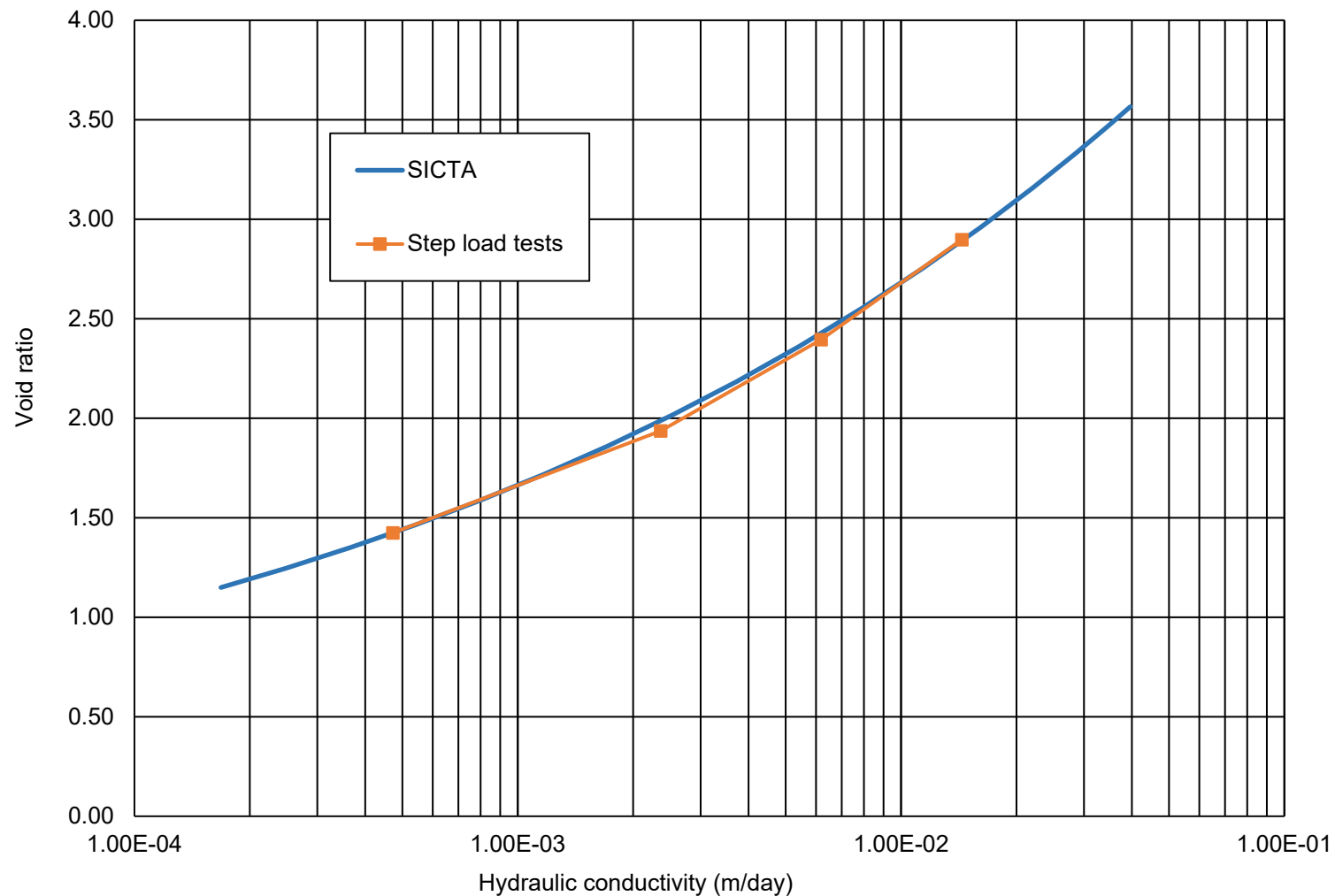
REV.

--

SCALE AS SHOWN

FIGURE NO.

5.1



Param.	SICTA	Unit
C	8.59E-05	(m/day)
D	4.825	(-)

ZG-GEO

CLIENT/PROJECT

**Anchor QEA
GE Housatonic River Reach 5A**

TITLE

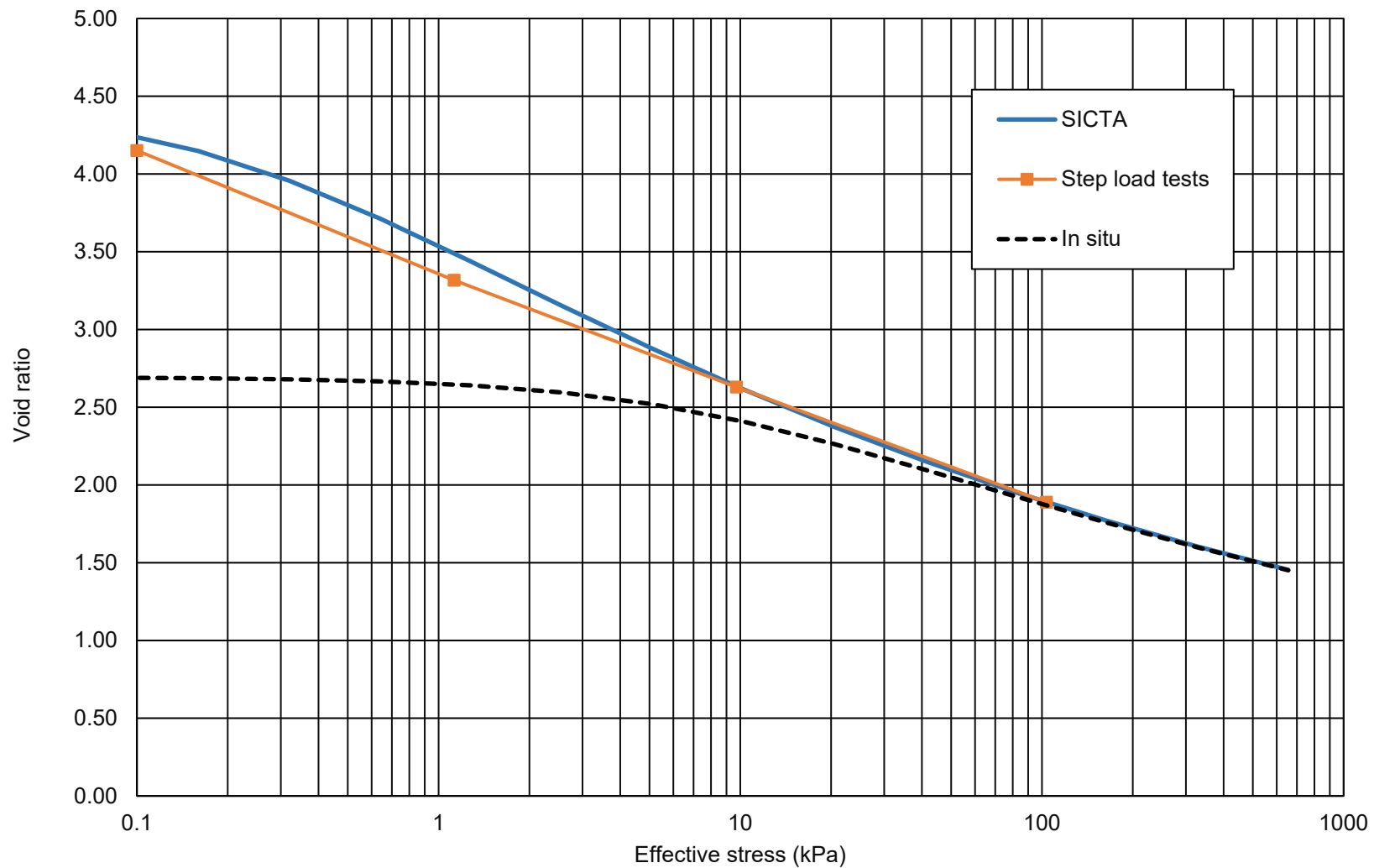
**Hydraulic Conductivity Parameters
for Sample BW5A-5S**

PROJECT NO. 023-1002

DRAWN GG APPROVED DZ

DATE 2/2/2023 REV. --

SCALE AS SHOWN FIGURE NO. 5.2



Param.	SICTA	In-Situ	Unit
A	3.650	3.650	(1/kPa) ^B
B	-0.142	-0.142	(-)
Z	0.2465	8.51	(kPa)

ZG-GEO

CLIENT/PROJECT

**Anchor QEA
GE Housatonic River Reach 5A**

TITLE

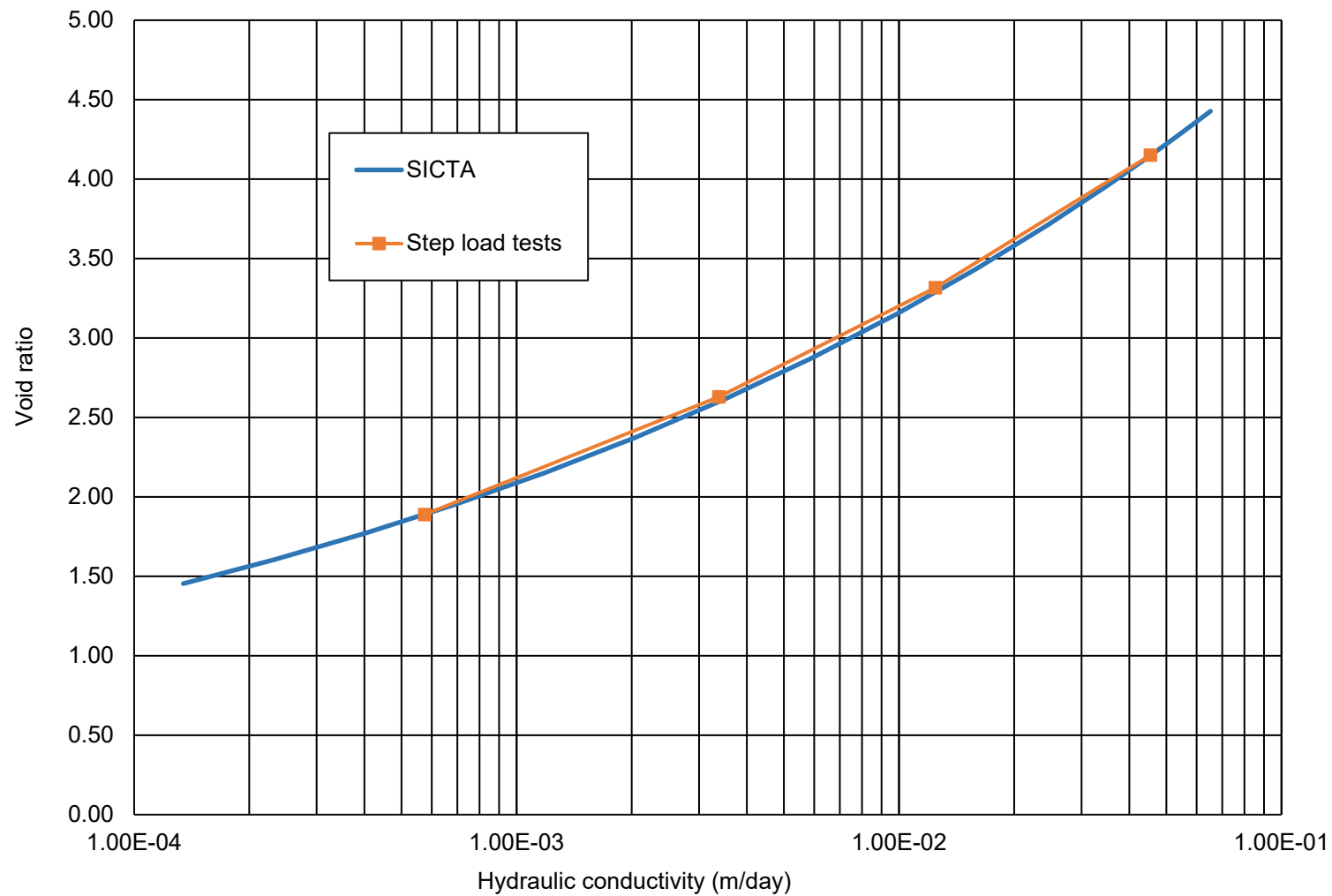
**Compressibility Parameters
for Sample BW5A-6S**

PROJECT NO. 023-1002

DRAWN GG APPROVED DZ

DATE 2/2/2023 REV. --

SCALE AS SHOWN FIGURE NO. 6.1



Param.	SICTA	Unit
C	1.68E-05	(m/day)
D	5.554	(-)

ZG-GEO

CLIENT/PROJECT

**Anchor QEA
GE Housatonic River Reach 5A**

TITLE

**Hydraulic Conductivity Parameters
for Sample BW5A-6S**

PROJECT NO. 023-1002

DRAWN GG APPROVED DZ

DATE 2/2/2023 REV. --

SCALE AS SHOWN FIGURE NO. 6.2

Attachment 1

Chain of Custody for Laboratory Samples

Chain of Custody

Record No. 455393
Samples relinquished on 12/14/2022 from AECOM (Michael Izdebski) - shipping to ZG-Geo for SIC testing

AECOM contact information

Contacts: e-mail Position Phone:
Cheryl Cormier cheryl.cormier@aecom.com Project Manager 978-905-2167
Michael Izdebski michael.izdebski@aecom.com Site Contact 518-813-3180

Company Name: AECOM
Address: 40 British American Blvd.
Latham, NY 12110
Phone: 518-813-3180
Fax:
Project Name: GE Housatonic FP
Site: Pittsfield, MA

ZG-Geo Ltd. contact information

Lab Contact Dobroslav Znidaric
email: dobroslav.znidaric@colorado.edu
Address 13733 Stone Circle Unit 102, Broomfield, CO 80023
ZG-Geo Project Mgr. Gordan Gjerapic
email: ggjerapic@gmail.com
ZG-Geo Project Name Anchor QEA/SICT - Housatonic Project
ZG-Geo Project No. 023-1002

Anchor QEA contact(s) Michael Werth and Paul LaRosa
email(s): mwerth@achorqea.com, plarosa@achorqea.com

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp., G=Grab)	Matrix (S=Soil, SW=Water)	# of Cont	Date of Shipment	FEDEX Tracking No.	Date Received	Average moisture content, w (grav.)	Notes
BW5A-1S	12/5/2022	n/a	G	S	1	12/15/2022	770717942148	12/18/2022	98.4%	w<LL, wet
BW5A-1W	12/5/2022	n/a	G	SW	1	12/15/2022	770717804773	12/18/2022		
BW5A-2S	12/5/2022	n/a	G	S	1	12/15/2022	770717941417	12/18/2022	50.9%	wet
BW5A-2W	12/5/2022	n/a	G	SW	1	12/15/2022	770717804501	12/18/2022		
BW5A-3S	12/5/2022	n/a	G	S	1	12/15/2022	770717942181	12/18/2022	40.1%	wet
BW5A-3W	12/5/2022	n/a	G	SW	1	12/15/2022	770717804523	12/18/2022		
BW5A-4S	12/5/2022	n/a	G	S	1	12/15/2022	770717941325	12/20/2022	40.0%	wet
BW5A-4W	12/5/2022	n/a	G	SW	1	12/15/2022	770717804924	12/18/2022		
BW5A-5S	11/8/2022	n/a	G	S	1	12/15/2022	770717942663	12/18/2022	83.4%	w< LL, moist
BW5A-5W	11/8/2022	n/a	G	SW	1	12/15/2022	770717805975	12/19/2022		
BW5A-6S	11/29/2022	n/a	G	S	1	12/15/2022	770717942480	12/20/2022	108.3%	w< LL, moist
BW5A-6W	11/29/2022	n/a	G	SW	1	12/15/2022	770717805600	12/19/2022		

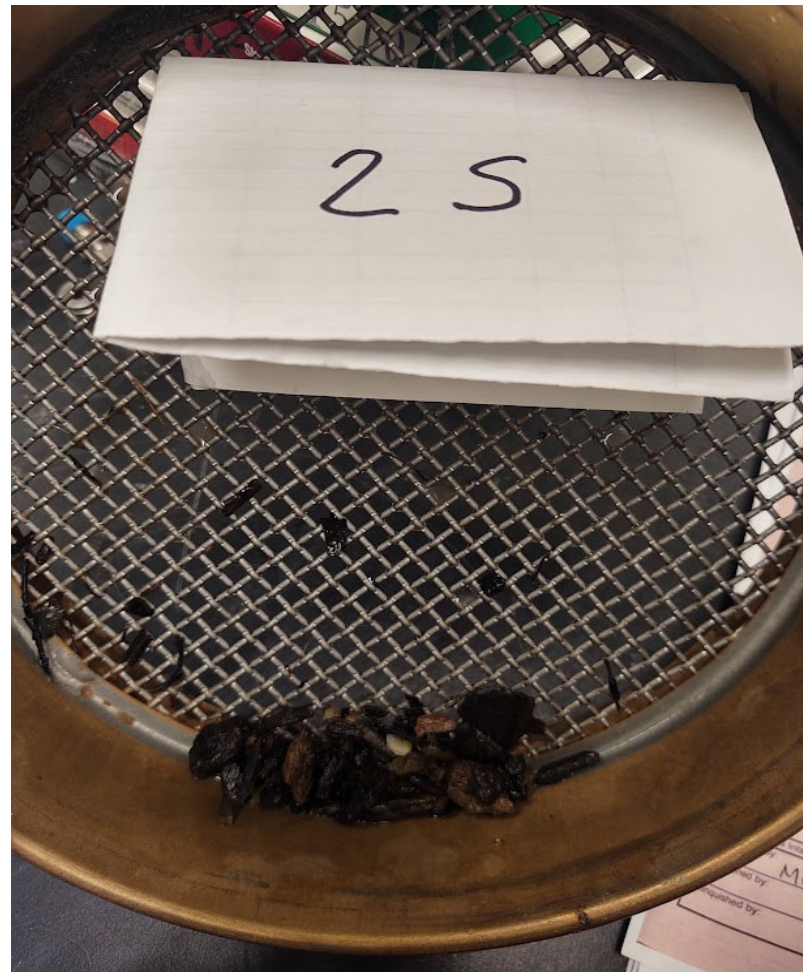
SIC Testing Notes:

- 1) Samples are not known to contain hazardous waste materials.
- 2) Samples to be disposed by ZG-Geo after testing.
- 3) To prepare homogeneous samples for testing, samples will be reconstituted (water will be added to moist samples and/or samples for which initial consistency does not support creation of homogeneous saturated sample).
- 4) Samples will be screened (using sieve No. 4) to remove larger particles.

Attachment 2
Photo Log



a) BW5A-1S sample



b) BW5A-2S sample

ZG-GEO

CLIENT/PROJECT

**Anchor QEA
GE Housatonic River Reach 5A**

TITLE

**Removal of Oversized Particles
BW5A - 1S and 2S Samples**

PROJECT NO.

023-1002

DRAWN

GG

APPROVED

DZ

DATE

2/2/2023

REV.

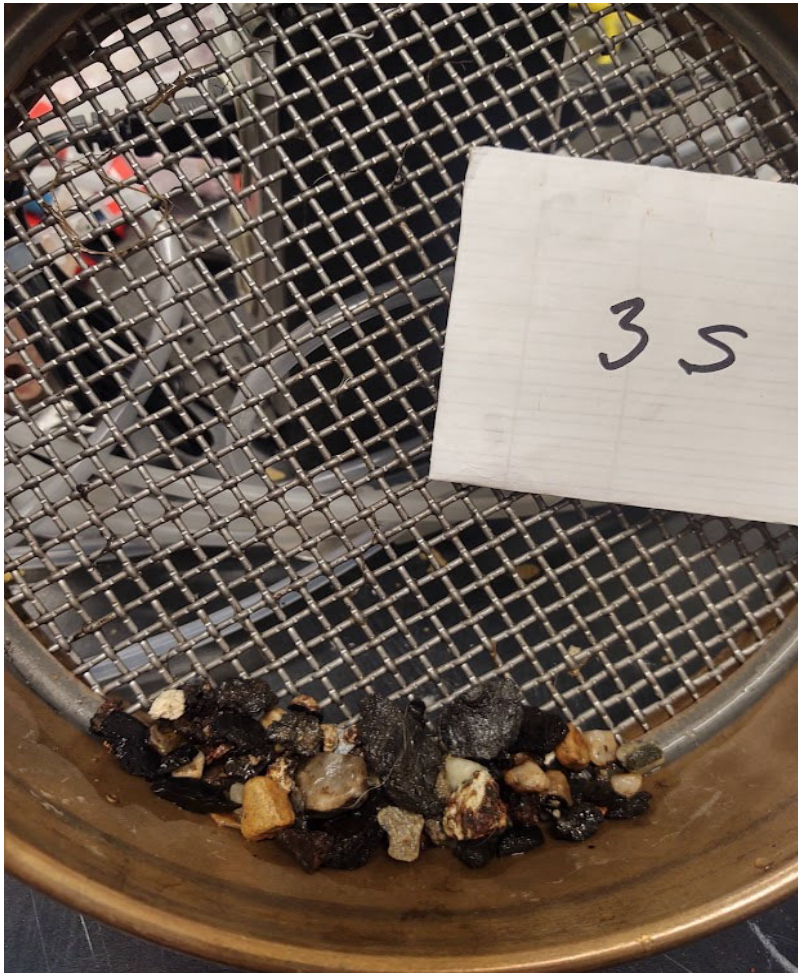
--

SCALE

AS SHOWN

PHOTO NO.

1



a) BW5A-3S sample



b) BW5A-4S sample

ZG-GEO

CLIENT/PROJECT

**Anchor QEA
GE Housatonic River Reach 5A**

TITLE

**Removal of Oversized Particles
BW5A - 3S and 4S Samples**

PROJECT NO.

023-1002

DRAWN

GG

APPROVED

DZ

DATE

2/2/2023

REV.

--

SCALE

AS SHOWN

PHOTO NO.

2

Attachment 3
Specific Gravity Results

ASTM D854 - Specific Gravity of Soil Solids by Water Pycnometer

Client: Anchor QEA, LLC
Project Number: 220469-10.01 Task 03
Project Name: GE Housatonic River Reach 5A
ZG-Geo Project No.: 023-1002
ZG-Geo Project Name: Anchor QEA/SICT
Boring Number: n/a
Sample ID: BW5A-1S
Depth (ft): n/a

Soil classification: SM - Silty Sand (per ASTM 2488 visual-manual procedure, see Note 3)

Sample preparation method: B - oven-dried specimen ▼

T_t = test temperature (°C)
 M_s = mass of oven dry solids (g)
 M_{pws} = mass of pycnometer, water and soil solids at the test temperature (g)
 M_p = average mass of dry pycnometer (g)
 V_p = pycnometer volume (ml)
 $\rho_{w, t}$ = density of water at the test temperature (g/ml)
 M_{pw} = mass of pycnometer and water at the test temperature (g)
 K = temperature coefficient (-)
 G_s = specific gravity (-)

Pyc. ID	T_t (°C)	M_s (g)	M_{pws} (g)	M_p (g)	V_p (ml)	$\rho_{w, t}$ (g/ml)	M_{pw} (g)	K (-)
P-1	19.5	80.10	698.80	151.20	499.20	0.99831	649.56	1.00010

Specific gravity at 20°C:

G_s = 2.596

Notes:

- 1) Percent of soil particles passing #4 (4.75 mm) sieve: n/a
- 2) Description of material excluded from the test specimen: oversized particles and some organic mat.
- 3) Sieve and Atterberg limit data required for a more precise USCS classification per ASTM D2487
- 4) Sample contains traces of organic material (est. less than 5% by mass).

Test and Calc.: GG
Review: DZ
Date: 2/2/2023

ZG-GEO

ASTM D854 - Specific Gravity of Soil Solids by Water Pycnometer

Client: Anchor QEA, LLC
Project Number: 220469-10.01 Task 03
Project Name: GE Housatonic River Reach 5A
ZG-Geo Project No.: 023-1002
ZG-Geo Project Name: Anchor QEA/SICT
Boring Number: n/a
Sample ID: BW5A-2S
Depth (ft): n/a

Soil classification: SM - Silty Sand (per ASTM 2488 visual-manual procedure, see Note 3)

Sample preparation method: B - oven-dried specimen ▼

T_t = test temperature ($^{\circ}\text{C}$)
 M_s = mass of oven dry solids (g)
 M_{pws} = mass of pycnometer, water and soil solids at the test temperature (g)
 M_p = average mass of dry pycnometer (g)
 V_p = pycnometer volume (ml)
 $\rho_{w, t}$ = density of water at the test temperature (g/ml)
 M_{pw} = mass of pycnometer and water at the test temperature (g)
 K = temperature coefficient (-)
 G_s = specific gravity (-)

Pyc. ID	T_t ($^{\circ}\text{C}$)	M_s (g)	M_{pws} (g)	M_p (g)	V_p (ml)	$\rho_{w, t}$ (g/ml)	M_{pw} (g)	K (-)
P-4	19.5	82.21	694.72	145.42	499.55	0.99831	644.12	1.00010

Specific gravity at 20 $^{\circ}\text{C}$:

G_s = 2.601

Notes:

- 1) Percent of soil particles passing #4 (4.75 mm) sieve: n/a
- 2) Description of material excluded from the test specimen: oversized particles and some organic material
- 3) Sieve and Atterberg limit data required for a more precise USCS classification per ASTM D2487
- 4) Sample contains traces of organic material (est. less than 5% by mass).

Test and Calc.: GG
Review: DZ
Date: 2/2/2023

ZG-GEO

ASTM D854 - Specific Gravity of Soil Solids by Water Pycnometer

Client: Anchor QEA, LLC
Project Number: 220469-10.01 Task 03
Project Name: GE Housatonic River Reach 5A
ZG-Geo Project No.: 023-1002
ZG-Geo Project Name: Anchor QEA/SICT
Boring Number: n/a
Sample ID: BW5A-3S
Depth (ft): n/a

Soil classification: SW-SM - Well Graded Sand With Silt (per ASTM 2488, see Note 3)

Sample preparation method: B - oven-dried specimen ▼

T_t = test temperature ($^{\circ}\text{C}$)
 M_s = mass of oven dry solids (g)
 M_{pws} = mass of pycnometer, water and soil solids at the test temperature (g)
 M_p = average mass of dry pycnometer (g)
 V_p = pycnometer volume (ml)
 $\rho_{w, t}$ = density of water at the test temperature (g/ml)
 M_{pw} = mass of pycnometer and water at the test temperature (g)
 K = temperature coefficient (-)
 G_s = specific gravity (-)

Pyc. ID	T_t ($^{\circ}\text{C}$)	M_s (g)	M_{pws} (g)	M_p (g)	V_p (ml)	$\rho_{w, t}$ (g/ml)	M_{pw} (g)	K (-)
P-1	19.5	83.47	700.94	151.20	499.20	0.99831	649.56	1.00010

Specific gravity at 20 $^{\circ}\text{C}$:

G_s = 2.601

Notes:

- 1) Percent of soil particles passing #4 (4.75 mm) sieve: n/a
- 2) Description of material excluded from the test specimen: oversized particles and some organic material
- 3) Sieve and Atterberg limit data required for a more precise USCS classification per ASTM D2487
- 4) Sample contains traces of organic material (est. less than 5% by mass).

Test and Calc.: GG
Review: DZ
Date: 2/2/2023

ZG-GEO

ASTM D854 - Specific Gravity of Soil Solids by Water Pycnometer

Client: Anchor QEA, LLC
Project Number: 220469-10.01 Task 03
Project Name: GE Housatonic River Reach 5A
ZG-Geo Project No.: 023-1002
ZG-Geo Project Name: Anchor QEA/SICT
Boring Number: n/a
Sample ID: BW5A-4S
Depth (ft): n/a

Soil classification: SM - Silty Sand (per ASTM 2488 visual-manual procedure, see Note 3)

Sample preparation method: B - oven-dried specimen ▼

T_t = test temperature (°C)
 M_s = mass of oven dry solids (g)
 M_{pws} = mass of pycnometer, water and soil solids at the test temperature (g)
 M_p = average mass of dry pycnometer (g)
 V_p = pycnometer volume (ml)
 $\rho_{w, t}$ = density of water at the test temperature (g/ml)
 M_{pw} = mass of pycnometer and water at the test temperature (g)
 K = temperature coefficient (-)
 G_s = specific gravity (-)

Pyc. ID	T_t (°C)	M_s (g)	M_{pws} (g)	M_p (g)	V_p (ml)	$\rho_{w, t}$ (g/ml)	M_{pw} (g)	K (-)
P-1	18.4	79.92	699.28	151.20	499.20	0.99852	649.66	1.00032

Specific gravity at 20°C:

G_s = 2.638

Notes:

- 1) Percent of soil particles passing #4 (4.75 mm) sieve: n/a
- 2) Description of material excluded from the test specimen: oversized particles and some organic mat.
- 3) Sieve and Atterberg limit data required for a more precise USCS classification per ASTM D2487
- 4) Sample contains traces of organic material (est. less than 5% by mass).

Test and Calc.: GG
Review: DZ
Date: 2/2/2023

ZG-GEO

ASTM D854 - Specific Gravity of Soil Solids by Water Pycnometer

Client: Anchor QEA, LLC
Project Number: 220469-10.01 Task 03
Project Name: GE Housatonic River Reach 5A
ZG-Geo Project No.: 023-1002
ZG-Geo Project Name: Anchor QEA/SICT
Boring Number: n/a
Sample ID: BW5A-5S
Depth (ft): n/a

Soil classification: ML - Sandy Silt (per ASTM 2488 visual-manual procedure, see Note 3)

Sample preparation method: B - oven-dried specimen ▼

T_t = test temperature (°C)
 M_s = mass of oven dry solids (g)
 M_{pws} = mass of pycnometer, water and soil solids at the test temperature (g)
 M_p = average mass of dry pycnometer (g)
 V_p = pycnometer volume (ml)
 $\rho_{w, t}$ = density of water at the test temperature (g/ml)
 M_{pw} = mass of pycnometer and water at the test temperature (g)
 K = temperature coefficient (-)
 G_s = specific gravity (-)

Pyc. ID	T_t (°C)	M_s (g)	M_{pws} (g)	M_p (g)	V_p (ml)	$\rho_{w, t}$ (g/ml)	M_{pw} (g)	K (-)
P-1	19.5	80.89	699.45	151.20	499.20	0.99831	649.56	1.00010

Specific gravity at 20°C:

G_s = 2.610

Notes:

- 1) Percent of soil particles passing #4 (4.75 mm) sieve: n/a
- 2) Description of material excluded from the test specimen: partial removal of organic material
- 3) Sieve and Atterberg limit data required for a more precise USCS classification per ASTM D2487
- 4) Sample contains traces of organic material (est. less than 5% by mass).

Test and Calc.: GG
Review: DZ
Date: 2/2/2023

ZG-GEO

ASTM D854 - Specific Gravity of Soil Solids by Water Pycnometer

Client: Anchor QEA, LLC
Project Number: 220469-10.01 Task 03
Project Name: GE Housatonic River Reach 5A
ZG-Geo Project No.: 023-1002
ZG-Geo Project Name: Anchor QEA/SICT
Boring Number: n/a
Sample ID: BW5A-6S
Depth (ft): n/a

Soil classification: SM - Silty Sand (per ASTM 2488 visual-manual procedure, see Note 3)

Sample preparation method: B - oven-dried specimen ▼

T_t = test temperature (°C)
 M_s = mass of oven dry solids (g)
 M_{pws} = mass of pycnometer, water and soil solids at the test temperature (g)
 M_p = average mass of dry pycnometer (g)
 V_p = pycnometer volume (ml)
 $\rho_{w, t}$ = density of water at the test temperature (g/ml)
 M_{pw} = mass of pycnometer and water at the test temperature (g)
 K = temperature coefficient (-)
 G_s = specific gravity (-)

Pyc. ID	T_t (°C)	M_s (g)	M_{pws} (g)	M_p (g)	V_p (ml)	$\rho_{w, t}$ (g/ml)	M_{pw} (g)	K (-)
P-1	19.5	61.76	686.48	151.20	499.20	0.99831	649.56	1.00010

Specific gravity at 20°C:

G_s = 2.487

Notes:

- 1) Percent of soil particles passing #4 (4.75 mm) sieve: n/a
- 2) Description of material excluded from the test specimen: partial removal of organic material
- 3) Sieve and Atterberg limit data required for a more precise USCS classification per ASTM D2487
- 4) Sample contains organic material (est. less than 20% by mass).

Test and Calc.: GG
Review: DZ
Date: 2/2/2023

ZG-GEO

Attachment 4
SICT Results

Attachment 4.1

**SICT Results for Sample
BW5A-1S (SI Units: kPa, m, day)**

SICTA**Input**

Unit weight of water	9.81
Specific gravity	2.596
Initial height	0.0219558
Void ratio @ 0	3.1970699
Top effective stress	0.1
Darcian velocity	3.30E-02
Final height	0.0205489
Bottom effective stress	0.5332588

Void ratio	1.2153724
Effective stress	103.48288
Hydraulic conductivity	2.15E-04

Results

A	2.779
B	-0.178
Z	0.455
C	7.96E-05
D	5.103

Final calculated

	Bottom effective stress
Height	0.0205452 0.5333643

Normalized errors	
0.0001831	0.0001979

Total error	0.0003809
-------------	-----------

Attachment 4.2

**SICT Results for Sample
BW5A-2S (SI Units: kPa, m, day)**

SICTA**Input**

Unit weight of water	9.81
Specific gravity	2.601
Initial height	0.0203498
Void ratio @ 0	1.9497875
Top effective stress	0.1
Darcian velocity	6.60E-02
Final height	0.0195626
Bottom effective stress	0.3674093

Void ratio	0.8551646
Effective stress	103.48382
Hydraulic conductivity	1.00E-02

Results

A	1.737
B	-0.153
Z	0.468
C	1.53E-02
D	2.712

Final calculated

	Bottom
	effective
Height	stress
0.0195617	0.3675536

Normalized errors
0.0000451 0.0003924

Total error	0.0004375
--------------------	-----------

Attachment 4.3

**SICT Results for Sample
BW5A-3S (SI Units: kPa, m, day)**

SICTA**Input**

Unit weight of water	9.81
Specific gravity	2.601
Initial height	0.0272961
Void ratio @ 0	1.2149538
Top effective stress	0.1
Darcian velocity	3.30E-02
Final height	0.0255997
Bottom effective stress	0.3978609

Void ratio	0.5412817
Effective stress	103.48288
Hydraulic conductivity	1.28E-02

Results

A	0.956
B	-0.123
Z	0.142
C	6.53E-02
D	2.657

Final calculated

	Bottom effective stress
Height	0.0256022 0.3979545
Normalized errors	
	0.0000946 0.0002350

Attachment 4.4

**SICT Results for Sample
BW5A-4S (SI Units: kPa, m, day)**

SICTA**Input**

Unit weight of water	9.81
Specific gravity	2.638
Initial height	0.0262836
Void ratio @ 0	1.3216413
Top effective stress	0.1
Darcian velocity	3.30E-02
Final height	0.0251092
Bottom effective stress	0.4602525

Void ratio	0.6162452
Effective stress	103.48288
Hydraulic conductivity	4.19E-03

Results

A	1.132
B	-0.131
Z	0.307
C	2.29E-02
D	3.508

Final calculated

	Bottom effective stress
Height	0.0251091 0.4602508

Normalized errors	
	0.0000027 0.0000037

Total error	0.0000064
-------------	-----------

Attachment 4.5

**SICT Results for Sample
BW5A-5S (SI Units: kPa, m, day)**

SICTA**Input**

Unit weight of water	9.81
Specific gravity	2.61
Initial height	0.0315785
Void ratio @ 0	3.6955511
Top effective stress	0.1
Darcian velocity	6.60E-03
Final height	0.0262096
Bottom effective stress	0.3239876

Void ratio	1.4237001
Effective stress	103.48288
Hydraulic conductivity	4.72E-04

Results

A	2.438
B	-0.116
Z	0.028
C	8.59E-05
D	4.825

Final calculated

	Bottom	
	effective	
Height	stress	
0.0262204	0.3238427	
Normalized errors		
0.0004128	0.0004475	

Attachment 4.6

**SICT Results for Sample
BW5A-6S (SI Units: kPa, m, day)**

SICTA**Input**

Unit weight of water
Specific gravity
Initial height
Void ratio @ 0
Top effective stress
Darcian velocity
Final height
Bottom effective stress

9.81
2.487
0.0299767
4.4525549
0.1
6.60E-03
0.0283172
0.2205563

Void ratio
Effective stress
Hydraulic conductivity

1.8888922
103.48382
5.75E-04

Results

A 3.650
B -0.142
Z 0.246

C 1.68E-05
D 5.554

Final calculated

**Bottom
effective**

Height stress
0.0283161 0.2205184

Normalized errors
0.0000392 0.0001721

Total error 0.0002113

Attachment 5

Seepage Induced Consolidation Test (SICT) Procedure

Seepage Induced Consolidation Test (SICT)

The seepage induced consolidation test is an experimental procedure used for determining the consolidation characteristics of soft soils and soil like materials (slurry mine waste, dredged spoils, sludge from waste water treatment plants etc.). The testing procedure consists of three steps.

In the first step the void ratio at the effective stress zero is determined by allowing a slurry column about 0.05 m high to consolidate under its own weight. The average void ratio of the settled slurry is considered the void ratio at the effective stress of zero, or the void ratio at which the soil is formed and the consolidation theory, as opposed to the sedimentation theory, applies.

In the second step, seepage at a constant flow rate is applied through the soil by means of a flow pump and the sample is allowed to consolidate completely, i.e. until the steady state is reached. The steady state is determined from the pressure difference across the sample that is continuously monitored during the test. At steady state, the pressure difference and the final height of the sample are recorded. It is recognized that during this phase of the test the void ratio within the sample is non-uniform and this is correctly accounted for in the test analysis.

In the third step the sample is consolidated under the maximum desired stress level and the hydraulic conductivity is measured with the flow pump using a low flow rate to maintain sample uniformity during the test. At the end of the test the sample is dried and the total volume of solids is determined.

The analysis of the test is performed using the software package SICTA (Seepage Induced Consolidation Test Analysis). The procedure is based on the inverse problem solution approach and the theory used is compatible with the finite strain nonlinear consolidation theory (i.e. no simplifying or restrictive assumptions are made in the analysis). The input data for the SICTA program are all obtained from the described test. The output gives five parameters A, B, Z, C and D that define the consolidation properties for the sample. The compressibility and hydraulic conductivity relations with the five parameters are defined as:

$$\text{Compressibility} \quad e = A (\sigma' + Z)^B$$

$$\text{Hydraulic Conductivity} \quad k = C e^D$$

The more detailed description of the testing equipment and testing and analysis procedures can be found in the following publications:

Abu-Hejleh, A.N., and Znidarcic, D., 1992, User Manual for Computer Program SICTA, Prepared for Florida Institute of Phosphate Research, University of Colorado, Boulder, 122 pp.

Znidarcic, D., Abu-Hejleh, A.N., Fairbanks, T. and Robertson A., 1992, Seepage-Induced Consolidation Test; Equipment Description and Users Manual, Prepared for Florida Institute of Phosphate Research, University of Colorado, Boulder, 52 pp.

Abu-Hejleh, A.N. and Znidarcic, D., 1994, Estimation of the Consolidation Constitutive Relations, Computer Methods and Advances in Geomechanics, Siriwardane & Zaman (eds) Balkema, Rotterdam, pp. 499-504.

Abu-Hejleh, A. N. and Znidarcic, D., 1996, Consolidation Characteristics of Phosphatic Clays, Journal of Geotechnical Engineering, ASCE, New-York, Vol. 122, No. 4. pp. 295-301.