



Robert G. Gibson
Senior Project Manager
Corporate Holdings, GE Aerospace
c/o Angelica Todd
1 River Road B 33-2
Schenectady NY 12345

T +1 518 527 3418
bob.gibson@ge.com

October 31, 2024

Mr. Joshua Fontaine
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 6**

Dear Mr. Fontaine:

In accordance with Section II.H.4 of the Revised Final Permit issued by EPA for the Rest of River and Section 4.2.3.2 of the *Final Revised Rest of River Statement of Work*, GE is submitting herewith for EPA's review and approval a *Pre-Design Investigation Summary Report for Reach 6*, prepared for GE by Anchor QEA.

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

Sincerely yours,

Robert G. Gibson
Senior Project Manager

Cc: (via electronic mail)

Dean Tagliaferro, EPA
John Kilborn, EPA
Christopher Ferry, ASRC Federal
Thomas Czelusniak, HDR Inc.
Scott Campbell, Taconic Ridge Environmental
Izabella Zapisek, Taconic Ridge Environmental
Michael Gorski, MassDEP
Ben Guidi, MassDEP
Michelle Craddock, MassDEP
Jeffrey Mickelson, MassDEP
Mark Tisa, MassDFW
Eve Schluter, 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
Whitney Behr, USFWS
Mark Barash, US DOI
Katie Zarada, NOAA
James McGrath, City of Pittsfield
Andrew Cambi, City of Pittsfield
Michael Coakley, PEDAC
Melissa Provencher, BRPC
Smitty Pignatelli, Town of Lenox
Town Manager, Lee
Town Manager, Great Barrington
Town Administrator, Stockbridge
Town Administrator, Sheffield
Jim Wilusz, Tri Town Health Dept.
Andrew Thomas, GE
Lance Hauer, GE
Kevin Mooney, GE
Matthew Calacone, GE
Michael Werth, Anchor QEA
Mark Gravelding, Arcadis
Dennis Lowry and Daniel Cassedy, AECOM
James Bieke, Counsel for GE
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October 2024
Housatonic River – Rest of River



Pre-Design Investigation Summary Report for Reach 6

Prepared for General Electric Company
Pittsfield, Massachusetts

October 2024
Housatonic River – Rest of River

Pre-Design Investigation Summary Report for Reach 6

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

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

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ABBREVIATIONS

ASTM	ASTM International
bgs	below ground surface
BRA Work Plan for Reaches 5B-8	<i>Revised Baseline Restoration Assessment Work Plan for Rest of River Reaches 5B Through 8</i>
CD	Consent Decree
Conceptual RD/RA Work Plan	<i>Conceptual Remedial Design/Remedial Action Work Plan for Reach 6</i>
EA	Exposure Area
EPA	U.S. Environmental Protection Agency
EPC	exposure point concentration
FSP/QAPP	<i>Field Sampling Plan/Quality Assurance Project Plan</i>
GE	General Electric Company
HHRA	<i>Human Health Risk Assessment</i>
mg/kg	milligram per kilogram
NAVD88	North American Vertical Datum of 1988
NGVD29	National Geodetic Vertical Datum of 1929
PCB	polychlorinated biphenyl
pcf	pound per cubic foot
PDI	pre-design investigation
PDI Summary Report	<i>Pre-Design Investigation Summary Report for Reach 6</i>
Phase IB CRS Work Plan	<i>Phase IB Cultural Resources Survey Work Plan</i>
psf	pound per square foot
RCRA	Resource Conservation and Recovery Act
RD/RA	Remedial Design/Remedial Action
Reach 6 BRA Report	<i>Baseline Restoration Assessment Report for Reach 6</i>
Revised Final Permit	Revised Final Resource Conservation and Recovery Act Permit Modification
Revised Reach 6 PDI Work Plan	<i>Revised Pre-Design Investigation Work Plan for Reach 6</i>
ROR	Rest of River
RTK	real-time kinematic
SGS Dayton	SGS North America Inc., located in Dayton, New Jersey
TOC	total organic carbon
UCL	Upper Confidence Limit
UDF	Upland Disposal Facility
USCS	Unified Soil Classification System

1 Introduction

1.1 Background

Pursuant to Section II.H.3 of 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 the *Pre-Design Investigation Work Plan for Reach 6* to EPA on November 3, 2022. That work plan described GE's proposed pre-design investigation (PDI) field surveys and sampling and analysis program for sediment and floodplain soils in Reach 6. In a letter dated March 2, 2023, EPA conditionally approved the work plan and required GE to submit a revision to that plan. On May 1, 2023, GE submitted the *Revised Pre-Design Investigation Work Plan for Reach 6* (Revised Reach 6 PDI Work Plan; Anchor QEA 2023a), which addressed EPA's conditions. That revised plan was conditionally approved by EPA on June 20, 2023.

Section 3.3.2 of the Revised Reach 6 PDI Work Plan noted that the floodplain soil sampling locations proposed in that plan for polychlorinated biphenyls (PCBs) should be considered preliminary and subject to change based on potential updates to the mapping of "super habitats" (i.e., grouped habitats that have similar characteristics) in Reach 6.¹ The super habitat mapping in Reach 6 was subsequently updated based on field surveys of habitat cover types conducted by AECOM between April 20 and June 29, 2023. Based on the updated super habitat boundaries, a number of adjustments were made to the proposed floodplain soil PCB sampling locations in the approved work plan, and 10 floodplain soil sampling locations were added to the program. The updated super habitat mapping and revised floodplain soil sampling locations were submitted to EPA for review and approval on July 31, 2023 (Anchor QEA 2023b). EPA approved those revisions on August 28, 2023.

GE initiated PDI field activities in August 2023 and substantially completed those activities by November 2023. This *Pre-Design Investigation Summary Report for Reach 6* (PDI Summary Report) summarizes the results of the work conducted in accordance with the Revised Reach 6 PDI Work Plan and the approved modification to the floodplain soil sampling locations described above.

1.2 Description of Reach 6

Under the Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site (EPA and GE 2000), the ROR is defined as the 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

¹ The approach to identification of proposed floodplain soil sampling locations described in the Revised Reach 6 PDI Work Plan considered the then-existing super habitat boundaries. Super habitats were originally developed from a historical habitat survey conducted throughout all of Reaches 5 and 6 by Woodlot Alternatives (Woodlot 2002). Those super habitats were to be updated in accordance with GE's *Revised Baseline Restoration Assessment Work Plan for Rest of River Reaches 5B Through 8* (BRA Work Plan for Reaches 5B-8; AECOM 2023).

West Branches of the Housatonic River (the Confluence). Reaches 5A through 5C of the ROR begin at the Confluence, and Reach 6 begins approximately 10 miles downstream of the Confluence and extends through Woods Pond to Woods Pond Dam, as shown on Figure 1-1.² Woods Pond is an impounded waterbody formed by the construction of Woods Pond Dam in the late 1800s. Woods Pond proper is approximately 0.2 mile in length and has a surface area of approximately 53.6 acres. In addition to Woods Pond proper, Reach 6 includes an approximately 12.6-acre portion of the headwaters leading into Woods Pond (referred to in this PDI Summary Report as the headwaters or transition zone), a 3.7-acre outlet channel leading to the dam, and the associated floodplain extending to the 1 milligram per kilogram (mg/kg) PCB isopleth (Figure 1-1). The existing dam at Woods Pond is a concrete overflow weir dam (constructed in 1989) that consists of a 140-foot-long concrete overflow spillway, a concrete non-overflow gravity section with sloped downstream face at the west abutment, and a concrete and steel sheetpile raceway closure structure at the east abutment (GZA 2019). The spillway has a crest elevation of 948.3 feet National Geodetic Vertical Datum of 1929 (NGVD29), and the top elevation of the west abutment is 954.0 feet NGVD29 (GZA 2019).³

Water can bypass the dam via the raceway and discharges back in the Housatonic River approximately 360 feet downstream of the dam over stoplogs that control the water level in the raceway. Stoplogs can be added or removed to raise or lower the water level in the raceway. Just before the stoplogs, the raceway is connected to a pond (known as Valley Mill Pond) via a culvert. With no other outlet, the water level in the pond matches the water level in the raceway controlled by the hydraulic connection to the raceway via the culvert.

Water depths (as measured from the crest of the dam) over much of the pond generally range from one to three feet; however, a deeper portion on the southeastern side of the pond has a maximum depth greater than 14 feet. There is also a relatively pronounced channel through Woods Pond, which provides a primary flow pathway. The water depth in the channel is deeper than the surrounding areas, and water velocity in the channel area is typically greater under average flow conditions than in other areas of Woods Pond. The water in most of Woods Pond is relatively slow-moving and contains aquatic habitat characteristics of a standing, shallow-water environment. The pond has dominant macrophyte and periphyton communities during the growing season that

² River stations for this stretch of the river were established during the PDI for Reach 5A sediments and riverbanks to provide a locational reference to support the PDI, remedial design, and construction. The stationing begins with Station 0+00 at the Confluence and was extended downstream to the Woods Pond Dam at Station 583+00 (shown on Figure 1-1). River stations were established every approximately 100 feet along the approximate centerline of the river.

³ The vertical datum used for data collection during the PDI is the North American Vertical Datum of 1988 (NAVD88). Using that datum, the Woods Pond Dam spillway crest elevation is 947.7 feet NAVD88.

have strong influence on the pond system. The banks of the pond provide extensive cover, such as overhanging vegetation, woody debris, rock piles, and submerged macrophytes.

Encompassed within Reach 6 are a variety of aquatic habitats, which are influenced in various ways by the impounded conditions created by Woods Pond Dam. Woods Pond itself has been characterized principally as an impoundment, while the transition zone in the headwaters of Woods Pond and the outlet channel just upstream of the dam have a transitional habitat between the impoundment habitat and riverine habitats upstream and downstream of those areas. The transition zone and outlet channel are part of Reach 6 but are discussed herein separately from the main impoundment that comprises Woods Pond because flow and habitat conditions are different from those of the pond proper.

Within Reaches 5 and 6 (i.e., between the Confluence and Woods Pond Dam), the CD defines the ROR site boundary as the floodplain area extending laterally to the 1 mg/kg PCB isopleth, which corresponds approximately to the 10-year floodplain. The floodplain in Reach 6 is relatively narrow, generally extending no more than 50 to 150 feet from the pond shoreline (see Figure 1-1). Much of the vegetation in the Reach 6 floodplain consists of hardwood and transitional floodplain forests, with some more limited areas of shrub swamp and emergent marsh habitat.

A more detailed description of the existing habitats in Reach 6 is provided in GE's *Baseline Restoration Assessment Report for Reach 6* (Reach 6 BRA Report; AECOM 2024), which is discussed further in Section 1.4 and is being submitted concurrently with this PDI Summary Report.

EPA's *Human Health Risk Assessment* (HHRA; EPA 2005) divided the ROR floodplain into 90 Exposure Areas (EAs) for the assessment of direct human contact with floodplain soils.⁴ Of the 90 EAs identified in the HHRA, five are located wholly or partially within Reach 6 (EAs 56 through 60), as shown on Figure 1-2. EAs 56 and 57 are located partially within Reach 5C but were fully characterized as part of the Reach 6 PDI. Three of the five EAs in Reach 6 contain subareas based on distinct exposure scenarios; they are EAs 56a, 59a, and 60a. In addition, three of the EAs in this reach (EAs 58, 59, and 60) contain Frequently Used Subareas identified in the *Housatonic River – Rest of River, Revised Corrective Measures Study Report* (Arcadis et al. 2010). Furthermore, there are two confirmed vernal pools in EA 57.

⁴ Although those EAs were initially defined by EPA starting with property boundaries, the EAs covered by the Revised Reach 6 PDI Work Plan are limited to the portions of the floodplain between the edge of the Housatonic River and the ROR floodplain boundary. Specific non-residential exposure scenarios and receptors were then assigned to each such EA. Several of those EAs contain overlying direct-contact subareas, which are typically characterized by a different and/or more frequent exposure scenario. In addition, in the *Housatonic River – Rest of River, Revised Corrective Measures Study Report* (Arcadis et al. 2010), GE identified "heavily used subareas" within EAs. These heavily used subareas were referred to as "Frequently Used Subareas" in the Revised Final Permit and the Revised Reach 6 PDI Work Plan and continue to be referred to as such herein.

1.3 Summary of Applicable Remediation Requirements

Section II.B.2.e of the Revised Final Permit sets forth the Performance Standards for remediation of sediment in the Woods Pond portion of Reach 6. Specifically, Section II.B.2.e.(1)(a) requires that sediment be removed throughout the pond and an engineered cap be placed over any residual PCBs such that there is a post-capping minimum water depth of six feet measured from the crest of Woods Pond Dam,⁵ with the exception that, in nearshore areas, the slope from the shore to the six-foot water depth needs to be as steep as possible, but also stable and not subject to erosion or sloughing. In areas with water depth greater than six feet prior to remediation, sufficient sediment needs to be removed to allow for the placement of an engineered cap so the final grade is equal to or deeper than the original grade. Section II.B.2.e.(1)(b) requires bathymetric surveys to be conducted before sediment removal and before and after capping. Section II.B.2.e.(2) provides that, if feasible, sediment removed from Woods Pond will be conveyed hydraulically to the Upland Disposal Facility (UDF) for processing, provided that such sediment meets the applicable criteria in the Revised Final Permit for disposal in the UDF.

The Revised Final Permit does not contain any Performance Standards specific to the transition zone between Woods Pond proper and Reach 5C. It does provide, in Attachment C, that GE and EPA will work together “to design an appropriate transition and hybrid disposal averaging areas in the Woods Pond Headwaters between Reach 5C and Woods Pond.”

There are no prescribed sediment sampling requirements in the Revised Final Permit or the subsequent EPA-approved *Final Revised Rest of River Statement of Work* (Anchor QEA et al. 2021) to meet the Performance Standards for Reach 6; however, requirements related to characterization of sediment excavated from the ROR for the purposes of disposal in the UDF or an off-site facility are provided in Attachment E of the Revised Final Permit. That attachment states that, for sediments (other than in Reach 5B), both relevant historical data included in the 2003 *Housatonic River – Rest of River, RCRA Field Investigation Report* (BBL and QEA 2003) and data collected pursuant to the Revised Final Permit will be used for disposal characterization. As stated in the Revised Reach 6 PDI Work Plan, the collection of additional vertical core sediment samples was needed to supplement the existing data by filling in any horizontal data gaps and characterizing the full vertical extent of sediments to be removed; however, there were no prescribed requirements for data gap sediment sampling in Reach 6.

Section II.B.3 of the Revised Final Permit sets forth the Performance Standards for ROR floodplain soil and vernal pools, which apply to the floodplain in Reach 6. Section II.B.3.a.(2)(a) requires GE to conduct additional sampling of floodplain soil (as needed) to determine the total PCB exposure point

⁵ The post-capping minimum water depth is applicable to Woods Pond proper and does not apply to the transition zone between the downstream end of Reach 5C and Woods Pond (discussed in the next paragraph).

concentration (EPC) for each floodplain EA using a Thiessen polygon approach. Footnote 12 of the Revised Final Permit further states that, for the non-residential EAs, “EPCs shall be calculated using the methods described in Appendix D to the GE’s Corrective Measures Proposal and subsequent revisions described in Section 4.4 in GE’s October 2010 Revised Corrective Measures Study, including the use of an approved 95% Upper Confidence Limit method to estimate the mean concentration of total PCBs, the use of spatially interpolated representation of Floodplain soil PCB data, and factoring in habitat community mapping where applicable.” These methods are described in detail in Appendix A to the Revised Reach 6 PDI Work Plan. In addition, the Revised Final Permit specifies, in Tables 1 and 2, numerical Performance Standards—i.e., soil PCB concentrations to be achieved—for the floodplain EAs based on their assigned exposure scenarios. As noted above, the listed floodplain EAs located in Reach 6 are designated EAs 56 through 60, as shown on Figure 3 of the Revised Final Permit.

For vernal pools, Section II.B.3.b sets forth the applicable Performance Standards. Those Performance Standards require remediation of any vernal pool with a spatial average PCB concentration greater than 3.3 mg/kg, either by application of an amendment such as activated carbon or by excavation and replacement of the soil/sediment in the pool.

1.4 Scope of Summary Report

The Revised Reach 6 PDI Work Plan stated that, following completion of all required PDI activities in Reach 6, a PDI summary report would be prepared and submitted to EPA. Accordingly, this PDI Summary Report presents the results of the PDI activities conducted through November 2023. This report does not include an assessment of the existing habitat conditions in Reach 6. That assessment was conducted separately in accordance with GE’s *Revised Baseline Restoration Assessment Work Plan for Rest of River Reaches 5B Through 8* (BRA Work Plan for Reaches 5B-8; AECOM 2023); and the results of that assessment for Reach 6 are presented in the Reach 6 BRA Report, being submitted concurrently with this PDI Summary Report. That report includes a description of the pre-remediation conditions and functions of the pond bottom habitat, the transitional habitat in the headwaters transition zone and the outlet channel, and the floodplain and vernal pool habitats in Reach 6, as well as the identified occurrence of federal or state-listed threatened or endangered species or other state-listed species and any invasive species in the areas affected by the Reach 6 remediation.

In addition, a *Conceptual Remedial Design/Remedial Action Work Plan for Reach 6* (Conceptual RD/RA Work Plan) has been prepared and is being submitted concurrently with this report.⁶ That work plan includes a *Supplemental Data Collection Work Plan for Reach 6* (as Appendix F) for the

⁶ As discussed in that work plan, the conceptual design described in that plan focuses on Woods Pond (including the outlet channel) and the Reach 6 floodplain, leaving the conceptual design for the headwaters transition zone for a later submittal, likely a future addendum to the Final RD/RA Work Plan for Reach 6.

collection of additional data necessary for the final design for the areas covered in the Conceptual RD/RA Work Plan, as discussed in Section 3. Following EPA approval of the *Supplemental Data Collection Work Plan for Reach 6*, GE will conduct that supplemental data collection. As discussed in Section 3, the results of 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 6.

Further, GE is developing a *Phase IB Cultural Resources Survey Work Plan* (Phase IB CRS Work Plan) for Reach 6, which will describe GE's plans for investigations to determine whether the remediation and support activities for the areas covered by the Reach 6 Conceptual RD/RA Work Plan will impact any potentially significant cultural resources. That work plan will be submitted by November 15, 2024 under a revised schedule approved by EPA.

1.5 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 received to date in accordance with the Revised Reach 6 PDI Work Plan and subsequent coordination with EPA, including site survey activities and PCB soil and sediment sampling.
- Section 3 summarizes upcoming activities, including supplemental data collection activities proposed in the *Supplemental Data Collection Work Plan for Reach 6*, which will be taken into account in the Final RD/RA Work Plan for Reach 6.
- Section 4 lists the references cited in this report.

2 Summary of Pre-Design Investigations

2.1 Field Surveys

PDI activities conducted in 2023 included three field surveys, including supplemental bathymetric surveying in Reach 6 (including Woods Pond, the headwaters transition zone, and the outlet channel), sediment probing in Reach 6, and a survey of shoreline structures and utilities.⁷ Sediment probing was conducted concurrently with the sediment PCB characterization sampling and is described in Section 2.2.

2.1.1 Bathymetric Survey

As described in Section 2.4 of the Revised Reach 6 PDI Work Plan, between December 2021 and May 2022, GE conducted detailed topographic and bathymetric surveys of the riverbed and floodplain over all of Reaches 5 and 6 (i.e., from the Confluence to Woods Pond Dam), extending laterally to include the approximate 100-year floodplain and including nearby infrastructure (e.g., roads). These surveys included a bathymetric survey of Woods Pond, the transition zone, and the outlet channel. Specifically, in late April and early May 2022, a single-beam sonar bathymetric survey was conducted in Reach 6 areas where water depth was sufficient to conduct such a survey. In areas where single-beam sonar could not be deployed due to limited water depth, such as some shallow portions of the Reach 6 survey area, bathymetry was surveyed using conventional survey methods from a shallow draft vessel or on foot by survey personnel wearing waders.

To provide additional resolution in those areas where single-beam survey could not be performed during the 2022 survey, Spicer Group (on behalf of GE) performed additional single-beam survey during a period of higher river flows on October 31 and November 1, 2023.⁸ Figure 2-1 shows the discrete locations where single-beam sonar soundings and conventional survey data were collected during the 2022 survey and locations of the additional single-beam sonar soundings collected in 2023. The contiguous digital elevation model of topography and bathymetry in Reaches 5 and 6 developed previously by Spicer Group was updated in Woods Pond to include the 2023 single-beam sonar data (also shown on Figure 2-1).

2.1.2 Shoreline Structure and Utility Survey

Field reconnaissance observations were conducted to document the presence and locations of shoreline structures and utilities along Reach 6. Table 2-1 summarizes the field reconnaissance

⁷ As described in Section 1.1, field surveys to provide updated characterization of the super habitat boundaries in Reach 6 (in advance of the PDI) were performed in accordance with the BRA Work Plan for Reaches 5B-8 (AECOM 2023).

⁸ River flows at the U.S. Geological Survey Coltsville gage were approximately 320 cubic feet per second during this 2023 survey. By comparison, flows during the prior 2022 survey were less than 100 cubic feet per second.

observations, and Figure 2-2 shows the general locations of the structures and utilities observed. During remedial design, it may be necessary to conduct additional outreach to owners of these structures and utilities to evaluate whether and how the structures and utilities could impact the remedy implementation.

Table 2-1
Known Structures and Utilities Along Reach 6 of the Housatonic River

Location	Structure Type	Latitude	Longitude	Notes
Transition Zone	Birdhouse	42.353705 N	73.237546 W	Birdhouse (possibly for wood ducks) on island
	Old duck blind	42.352981 N	73.237744 W	Dilapidated wooden frame of old duck blind seated within wetland on eastern side
	Wood duck house	42.352487 N	73.241342 W	Wood duck house attached to dead tree within wetland along western shoreline
Woods Pond	Concrete abutment	42.350554 N	73.243527 W	Concrete wall (possibly old foundation) at pond's edge along western shoreline
	Rock wall and building	42.350324 N	73.243442 W	Stone wall at pond's edge and building adjacent to western shoreline
	Gravel boat ramp	42.349063 N	73.241023 W	Gravel boat ramp extending from Valley Road along southern shoreline
	Overhead power lines and support towers	42.349192 N	73.242012 W	Power lines traversing above the western portion of the pond in a northwest-southeast direction
	Footbridge Stone Abutment	42.349603 N	73.243452 W	Bridge abutment built from large stone block along eastern shoreline
	Footbridge Stone Abutment	42.349716 N	73.243709 W	Bridge abutment built from large stone block along western shoreline
Outlet Channel	Dock	42.349632 N	73.243777 W	Public access dock and canoe launch area along western shoreline
	Warning Sign	42.349506 N	73.243939 W	Warning sign on two 6-inch by 6-inch posts along western shoreline
	Lenox Wastewater Treatment Plant Outfall	42.347857 N	73.245042 W	Outfall with stone and concrete block wall along western shoreline of the outlet channel
	Warning Sign	42.347721 N	73.244514 W	Warning sign on wood 6-inch by 6-inch posts along eastern shoreline
	Concrete Wall	42.347501 N	73.244623 W	Concrete wall extending from wing wall of dam

2.2 Sediment PCB Characterization

2.2.1 Sample Collection

Sediment sampling was conducted in Reach 6 from August 17 through September 15, 2023, in accordance with the Revised Reach 6 PDI Work Plan. As described in the work plan, sediment sampling within Reach 6 was conducted on a 200-foot grid with sampling locations sited in the middle of the 200-foot grid cells or off-center to avoid existing landforms, to target shallower water (deeper sediment sample thicknesses). In addition to the 200-foot grid sampling, sediment sampling was conducted between the 200-foot grid nodes where there were larger data gaps between the historical and PDI grid sampling locations. Also, three sediment core sample locations (left, center, and right of the channel) were established at each of four transects spaced at approximately 250 feet within the outlet channel, consistent with the transect spacing for channel sampling prescribed in Attachment E of the Revised Final Permit for upstream reaches of the river. In total, sampling targeted the collection of sediment cores at 108 locations, including 78 locations within Woods Pond itself, 18 locations in the transition zone between the downstream end of Reach 5C and Woods Pond, and 12 locations in the outlet channel.

A real-time kinematic (RTK) GPS with submeter accuracy was used to locate each target sample location. Water depth was measured and recorded at each location. Sediment composition was determined by inserting a 0.5-inch steel probe in three locations located around the target core sampling location, and advancement depths were recorded. Sediment cores were collected on GE's behalf by Northland Airboats by advancing four-inch-diameter plastic core tubes to the target depth at each location using a vibracore. After being withdrawn, core tubes were capped for transport to a sediment sample processing area at GE Building 59. If full recovery was not achieved, additional attempts (up to three) were made to achieve full recovery. Sample collection log information (e.g., collection date, probing depth, recovery length, and sample description), including any notes documenting conditions that warranted movement or abandonment of a sample location, are provided in Appendix A.

A total of 102 cores were collected and processed in 12-inch intervals for analysis. Six locations were abandoned due to refusal. The locations sampled are shown on Figure 2-3 (along with the PCB results, discussed below). A total of 627 sediment samples were generated. Of these, 535 samples (511 environmental samples and 24 field duplicates) were submitted initially or subsequently to SGS North America Inc., located in Dayton, New Jersey (SGS Dayton), for analysis of PCBs as Aroclors using EPA Method 8082, and 96 samples have been archived for potential

future analysis.⁹ In addition, 122 of the collected samples (consisting of 119 environmental samples and three field duplicates) were selected in the field and submitted to SGS Dayton for analysis of geotechnical index parameters (see Section 2.4). Table 2-2 summarizes the number of samples submitted for PCB and geotechnical analyses, as well as the number of archived samples, by depth interval.

Table 2-2
Summary of Sediment Sample Counts

Sample Depth Interval (feet below mudline)	Sample Counts		
	Submitted for PCBs	Submitted for Geotechnical Index Parameters	Archive Only
0–1 foot	108	12	0
1–2 feet	107	23	0
2–3 feet	90	26	12
3–4 feet	77	16	10
4–5 feet	63	16	2
5–6 feet	53	9	11
6–7 feet	30	10	16
7–8 feet	7	7	26
8–9 feet	0	3	14
9–10 feet	0	0	5
Total	535	122	96

2.2.2 Data Validation

Following receipt of the sediment analytical results, the PCB data collected by GE underwent data review and validation in accordance with the pertinent procedures specified in GE's 2023 *Second Revised Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP; Arcadis 2023). This included validation of all such data to a Tier I level and validation of a minimum of 25% of the data

⁹ A total of 489 sediment samples were initially submitted for PCB analysis, and the bottom two feet of each core were archived for potential future PCB analysis (if full recovery was achieved at a particular location). After review of analytical results for the upper sampling intervals (pursuant to the Revised Reach 6 PDI Work Plan), an additional 42 previously archived samples were submitted for PCB analysis, resulting in a total of 535 samples. The remaining 96 samples remain archived. An additional 36 subsurface samples were initially submitted to the laboratory to be held in archive pending a review of the results for the upper sampling intervals; however, those samples were inadvertently discarded by the laboratory. Most of those samples consisted of the bottom two feet of cores collected from the transition zone and the northern portion of Woods Pond. It has been determined that re-collection of those samples is not necessary.

to a Tier II level. The data validation results are presented in reports provided in Appendix B. As summarized in that appendix, more than 99% of the sediment PDI data are considered usable.

2.2.3 Results

The validated sediment PCB data collected by GE are summarized in Table 1 in Appendix C. These data are shown by location and depth interval on Figure 2-3. EPA also collected 28 split sediment samples for separate analysis. The split sediment samples collected by EPA were analyzed for PCB Aroclors by Chemtech Consulting in Mountainside, New Jersey. PCB analytical results from split samples collected by EPA (and the corresponding GE sample results) are summarized in Table 2 in Appendix C. The sediment PCB data are discussed and evaluated in the Conceptual RD/RA Work Plan.

2.3 Floodplain Soil PCB Characterization

2.3.1 Sample Collection

Floodplain soil sampling for PCBs was conducted in the Reach 6 non-residential floodplain EAs between September 21 and October 26, 2023. GE obtained access permission at all properties proposed for sampling.

A total of 627 soil samples (including 593 environmental samples and 34 field duplicates) were collected at 301 targeted locations. Minor adjustments (less than 20 feet) were made in the field at 11 locations because the target locations were inaccessible due to field conditions (e.g., thick vegetation, water covering the target location) or due to rock (i.e., no recoverable material). One additional location (EA60A-C-6) was sampled approximately 20 feet from the target location to be collected from a path (a Frequently Used Subarea) because the target coordinates were in a heavily wooded area.

The sample collection method used at most locations consisted of either a Macrocore sampler driven by hand, slide hammer, or gas-powered pneumatic hammer or hand auger, depending on location-specific conditions. Cores were collected to a depth of one foot below ground surface (bgs) at all 301 locations and processed into 0.5-foot intervals. Additionally, cores were targeted for collection from one to three feet bgs at a subset of 22 locations in Frequently Use Subareas and processed into one-foot intervals; however, recovery from one foot to two feet was achievable at only 19 locations and recovery from two feet to three feet was achievable at only 13 locations. The resulting numbers of samples collected are summarized in Table 2-3 for each target sample depth. Sample collection log information (e.g., collection date, recovery length, and geotechnical description) for each location is provided in Table 2 of Appendix A. At the time of sample processing, EPA collected 32 split samples for separate analysis.

Table 2-3
Summary of Reach 6 Non-Residential Floodplain Soil PCB Sampling

Target Sample Depth (bgs)	Number of Locations	Target Sample Intervals (feet)	Number of Samples Collected	Number of Samples Analyzed	Number of Samples Held
1 foot	279	0 to 0.5, 0.5 to 1	585 [31]	548 [31]	37
3 feet	22	0 to 0.5, 0.5 to 1, 1 to 2, 2 to 3	79 [1]	79 [1]	0
Total	301	—	664 [32]	627 [32]	37

Note:

Brackets indicate the number of split samples collected by EPA for separate analysis.

As indicated in the Revised Reach 6 PDI Work Plan, most of the samples collected by GE were subject to initial analysis for PCBs as Aroclors using EPA Method 8082, while the remaining samples were placed on hold (i.e., archived) at the laboratory for potential future analysis for PCBs. Sample analysis and archiving was performed by SGS Dayton. Based on review of the analytical results from the samples initially analyzed, none of the archived samples was released for analysis. The split samples collected by EPA were analyzed for PCB Aroclors by Chemtech Consulting in Mountainside, New Jersey.

2.3.2 Data Validation

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 2023 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 B. As summarized in that appendix, more than 99% of the 2023 PDI data are considered usable.

2.3.3 Results

The validated 2023 PDI PCB data collected by GE are summarized by EA in Table 3 in Appendix C. PCB analytical results from split samples collected by EPA, along with the corresponding GE sample results, are summarized in Table 4 in Appendix C. As discussed further in Section 2.4, the EPA split sample results were incorporated into the calculations of total PCB EPCs described in that section.

2.3.4 Evaluation of Exposure Point Concentrations for Non-Residential Exposure Areas

This section presents an evaluation of the presence and distribution of PCBs within the Reach 6 floodplain EAs. Historical and pre-design data were used to compute PCB EPCs in the 0- to 1-foot interval within all the non-residential EAs, Frequently Used Subareas, and vernal pools, as well as in the 0- to 3-foot interval within the Frequently Used Subareas. A preliminary determination was made as to which EAs may require soil remediation to address PCBs.

2.3.4.1 Evaluation Methodology

Section 3.3.2 of the Revised Reach 6 PDI Work Plan provided a description of the methods for calculation of total PCB EPCs within the non-residential EAs. Additional details regarding those calculations were provided in Appendix A to that work plan. In summary, calculation of the EPCs requires incorporation of several spatially varying features within the floodplain. To facilitate these calculations, a GIS-based application was developed that employs a raster data model, whereby floodplain features, including locations of EAs and soil PCB concentration data (among other features described below), are translated to 3×3-meter grid cells over the floodplain.

A spatial interpolation method using Thiessen polygons was utilized to generate a continuous PCB data coverage over the portions of the floodplain that include the non-residential EAs (referred to hereafter as “the subject floodplain”). Consistent with the method used by EPA in the HHRA, generation of Thiessen polygons in the subject floodplain for Reaches 5 and 6 considers topographic and hydrologic information in the interpolation process. Because PCBs are typically transported onto the floodplain during overbank flow conditions, the PCB distribution in floodplain soils is linked to the topographic and hydrologic features that also influence the distribution of wetland habitats. In Reaches 5 and 6, six super habitats (grouped habitats having similar characteristics, developed from the 2002 Woodlot habitat survey) were introduced by EPA in the HHRA to guide the spatial interpolation of PCBs in the subject floodplain. Those six super habitats are: (1) hardwood forest/agricultural field; (2) transitional floodplain forest; (3) shrub swamp; (4) emergent marsh/wet meadow; (5) lake/pond; and (6) stream. As noted in Section 1.1, the super habitat mapping in Reach 6 was updated based on field surveys of habitat cover types conducted by AECOM between April 20 and June 29, 2023.¹⁰ The updated super habitat mapping is shown for each EA in the subject floodplain on Figures 2-4a through 2-4e in panel A.

To generate a spatially interpolated PCB data coverage over the entire subject floodplain, Thiessen polygons were generated separately for the 0- to 0.5-foot and 0.5- to 1-foot depth intervals for each individual super habitat with the exception of the lake/pond and stream super habitats, which are excluded from the calculation of floodplain EPCs. These polygons were generated using only the data from within that super habitat boundary, including the 2023 PDI data and the historical floodplain soil data. For the PDI data, the EPA split sample results were averaged with the GE sample results from the same locations. The specific data sets included in the generation of Thiessen polygons were the same as described in Section 3 of Appendix A to the Revised Reach 6 PDI Work Plan and included the EPA split sample results. The Thiessen polygons generated for each super habitat were then merged to form a single PCB polygon coverage for the subject floodplain in

¹⁰ Further adjustments were made in 2024 as part of the conceptual design for Reach 6 in some isolated areas where habitat information was missing, mostly areas near the edges of the 1 mg/kg PCB isopleth boundary. For these adjustments, habitat information was reviewed, and the appropriate super habitat polygons were specified in those isolated areas.

Reaches 5 and 6. Figures 2-4a through 2-4e show the 0- to 0.5-foot PCB polygons (in panel B) and 0.5- to 1-foot PCB polygons (in panel C) that were interpolated for each EA in the subject floodplain using this method. On these figures, the polygons are categorized by color based on defined ranges of PCB concentrations.¹¹

As noted in the Revised Reach 6 PDI Work Plan, the 0- to 0.5-foot and 0.5- to 1-foot PCB polygons were then converted to a 3×3-meter grid, and each grid cell was vertically averaged to calculate a 0- to 1-foot average PCB concentration. Figures 2-4a through 2-4e show the calculated 0- to 1-foot average PCB concentration in panel D for each EA in the subject floodplain. A similar method was used to interpolate the data to a depth of three feet in the Frequently Used Subareas. Figures 2-5a through 2-5c show interpolated PCB concentrations, categorized by the defined ranges, in the 0- to 1-foot, 1- to 2-foot, and 2- to 3-foot depth intervals in those areas.

Using the interpolated PCB data set, average soil PCB concentrations were computed for each EA as the 95% Upper Confidence Limit (UCL) on the spatially weighted mean of the data for that EA or subarea. Consistent with the method developed by EPA in the HHRA and used by GE in the *Housatonic River – Rest of River, Revised Corrective Measures Study Report* (Arcadis et al. 2010), the 95% UCL was calculated using the Modified Halls Bootstrap Method (described in HHRA, Volume I, Attachment 4). Once the 95% UCL was calculated for a given EA, it was compared to the maximum data value within that area, and the lower of those two values was used as the EPC (since the EPC is not allowed to exceed the maximum interpolated value within a given area).

The method developed by EPA for the 95% UCL calculations also includes application of accessibility weighting factors (hereafter referred to as “use factors”) in Reaches 5 and 6. Specifically, the subject floodplain was mapped into four accessibility categories (walkable, wadable, difficult, and boatable) in the HHRA, corresponding to weighting factors of 1.0, 0.2, 0.2, and 0.0 for each of these areas, respectively. The areas corresponding to these accessibility categories were also updated consistent with the updated super habitat mapping in Reach 6 and are shown in Figures 2-4a through 2-4e in panel A. Consistent with the methodology applied by EPA in the HHRA (described in Section 4.4.1.1.1 of the HHRA), these use factors were applied as multipliers on the interpolated PCB concentrations “to account for the variation in accessibility and overall attractiveness of these habitats to children and adults engaged in recreational or residential and other activities.” For example, areas considered walkable (with a use factor of 1.0) would be accessed more frequently than areas considered difficult to access or wadable (with a use factor of 0.2). Areas that are considered boatable, including backwaters, have a use factor of 0.0 and are, therefore, excluded from the EPC calculations. The one exception to the application of these use factors is for the waterfowl hunting exposure scenario for subarea EA 56a. For that subarea, due to waterfowl hunters’ increased contact with wadable and difficult-to-access area

¹¹ Those ranges are as follows: equal to or less than 1 mg/kg; 1.1 to 2 mg/kg; 2.1 to 10 mg/kg; 10.1 to 25 mg/kg; 25.1 to 50 mg/kg; and greater than 50 mg/kg.

(described in Section 4.4.1.1.1. of the HHRA), the weighting factors were set to 1.0 for all accessibility categories.

2.3.4.2 EPC Calculations

For the non-residential floodplain EAs in Reach 6, the EPCs were calculated following the approach described in Appendix A of the Revised Reach 6 PDI Work Plan. Several refinements were made to the EPC calculation, similar to the calculations performed in Reach 5A. They were as follows:

- Portions of EA boundaries adjacent to the river were adjusted to match the shoreline delineated based on the most recent topographic survey conducted by GE in 2022 and the shoreline delineated by AECOM as part of the 2023 update to Reach 6 super habitats.
- The boundary for Frequently Used Subarea 60a was modified to exclude the dock area and to exclude an adjacent densely vegetated area that is difficult to access based on additional field reconnaissance performed in July 2024.
- As noted in EPA's conditional approval letters for GE's November 3, 2022 *Pre-Design Investigation Work Plan for Reach 6* and the Revised Reach 6 PDI Work Plan, EPA inadvertently excluded six islands located east of EAs 56 and 56a from an HHRA EA. These islands have been included as part of EAs 56 and 56a in the floodplain evaluations.
- EPCs in Frequently Used Subareas were calculated for the 0- to 1-foot depth interval, in addition to the 0- to 3-foot depth interval, as discussed with EPA for the Reach 5A floodplain evaluation.

2.3.4.3 Results

Table 2-4 provides a summary of the updated floodplain soil EPCs (0- to 1-foot) calculated for each of the eight non-residential EAs and subareas in Reach 6. Table 2-5 provides 0- to 1-foot and 0- to 3-foot EPCs for each of the three Frequently Used Subareas in Reach 6. These tables also show: (1) whether or not each EA intersects with Core Area 1 habitat;¹² (2) the exposure scenario and receptors assigned to each EA/subarea in EPA's HHRA; and (3) the corresponding Primary and, where relevant, Secondary Performance Standards that apply to each exposure scenario under Tables 1 and 2 of the Revised Final Permit.¹³ In accordance with the Revised Final Permit, the Secondary Performance Standards are relevant only in EAs that contain Core Area 1 habitat. EPCs that exceed the applicable Primary Performance Standard are highlighted in gray in Tables 2-4 and 2-5. As

¹² As defined in the Revised Final Permit, Core Area 1 habitat consists of areas identified by the 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).

¹³ For Frequently Used Subareas, only one set of Performance Standards is provided in the Revised Final Permit.

provided in the Revised Final Permit, EAs where the EPC exceeds the Primary Performance Standard will require some amount of remediation to achieve the Performance Standards.

Table 2-4
Calculated 0- to 1-Foot EPCs for Reach 6 Non-Residential Exposure Areas and Subareas

EA ID	EA Size (acres) ¹	Includes Core Area 1 Habitat	Exposure Scenario/Receptor	Performance Standards		0 to 1-foot EPC (mg/kg) ²
				Primary (RME 10 ⁻⁵ /HI = 1)	Secondary (RME 10 ⁻⁴ /HI = 1)	
56	36	Yes	Medium-use general recreation, adult/older child	21	40	2.0
56a	14	Yes	Waterfowl hunting	90	140	18
57	13	No	High-use general recreation, adult/older child	14	N/R	1.2
58	1.3	No	High-use general recreation, adult	14	N/R	15
59	1.9	No	High-use general recreation, adult/older child	14	N/R	11
59a	0.81	No	Bank fishing	26	N/R	22
60	1.1	No	High-use general recreation, adult/older child	14	N/R	1.4
60a	0.17	No	Recreational canoeist	12	N/R	1.8

Notes:

1. Represents the area within the 1 mg/kg PCB isopleth.

2. EPCs that exceed the applicable Primary Performance Standard are highlighted in gray.

N/R: not relevant; the Secondary Performance Standards are relevant only in EAs that contain Core Area 1 habitat.

Table 2-5
Calculated 0- to 1- Foot and 0- to 3-Foot EPCs for Reach 6 Frequently Used Subareas

EA ID	Frequently Used Subarea Size (acres) ¹	Includes Core Area 1 Habitat	Exposure Scenario/Receptor	Performance Standards (mg/kg)	0 to 1-Foot EPC (mg/kg) ²	0 to 3-Foot EPC (mg/kg) ²
58	0.23	No	High-use general recreation, adult/older child	14	0.58	0.17
59	0.19	No	High-use general recreation, adult/older child	14	45	15
60a	0.0076	No	Recreational canoeist	12	0.21	0.11

Notes:

1. Represents the area of the Frequently Used Subarea within the EA boundary and 1 mg/kg isopleth.

2. EPCs that exceed the applicable Primary Performance Standard are highlighted in gray.

None of the EPCs in the above-listed EAs exceeds the Primary Performance Standard except for EA 58 and the Frequently Used Subarea EA 59. The extent of soil remediation required in these two areas is described in detail in the Conceptual RD/RA Work Plan.

2.3.5 Evaluation of Vernal Pools

As noted in Section 1.2, there are two vernal pools within Reach 6 (both located within EA 57).

Spatially weighted average PCB concentrations were calculated for the 0- to 1-foot depth interval in

each of those two vernal pools according to the methodology described in Appendix A to the Revised Reach 6 PDI Work Plan.

Since no historical data were collected within the vernal pools, only the PDI data from the pools were used in calculating the spatially weighted average PCB concentrations for those pools. As in the data interpolation approach described above for the non-residential EAs, Thiessen polygons were first generated separately for the 0- to 0.5-foot and 0.5- to 1-foot depth intervals; however, unlike the case for the non-residential EAs, the polygon generation for the vernal pools did not consider super habitats. Each depth interval was then converted to a 3×3-foot grid¹⁴ and averaged vertically to compute a 0- to 1-foot spatially weighted average PCB concentration within each pool. Thiessen polygons for each 0.5-foot interval and the computed 0- to 1-foot average for each pool are shown in Figures 2-6a and 2-6b. The calculated spatially weighted average 0- to 1-foot PCB concentrations in the vernal pools evaluated are shown in Table 2-6. Neither of these vernal pools has an average PCB concentration exceeding the Performance Standard of 3.3 mg/kg. Thus, no vernal pool remediation is necessary in Reach 6.

Table 2-6
Summary of 0- to 1-Foot Spatially Weighted Average PCB Concentrations in Vernal Pools

Exposure Area	Vernal Pool ID	Area (acres)	PCB SWAC (0-1 foot; mg/kg)
57	5C-VP-17	0.081	0.01
	6-VP-1	0.088	0.12

2.4 Geotechnical Characterization

This section summarizes field activities and results of the geotechnical investigation program conducted pursuant to Section 3.3.3 of the Revised Reach 6 PDI Work Plan. Specifically, this section provides summaries of geotechnical materials/conditions encountered, results of laboratory geotechnical testing, and results of in-situ vane shear testing.

2.4.1 Laboratory Testing of Index Properties

As described in Section 2.2.1, a subset of sediment and soil samples collected in the transition zone, Woods Pond, and the outlet channel was selected for analysis of geotechnical index parameters. This subset included 14 samples from the transition zone, 104 samples from Woods Pond, and four samples from the outlet channel, for a total of 122 samples collected from 89 locations. Those samples were submitted to SGS Dayton for analysis of geotechnical index parameters, including

¹⁴ A finer 3×3-foot resolution was used for the vernal pool evaluation (as compared to the coarser 3×3-meter resolution used for the non-residential floodplain EA evaluations) to better represent the small size of vernal pools.

moisture content (by ASTM International [ASTM] D2216), organic content (by ASTM D2974), specific gravity (by ASTM D854), Atterberg limits (by ASTM D4318), particle size (by ASTM D6913), and dry bulk density (by ASTM D7263).

The geotechnical laboratory testing results were used to develop preliminary interpretations of sediment and soil units encountered during the investigation program. Three distinct layers were identified in the sampling and testing program, as summarized below.

Organic Soils. This layer consists of dark brown to reddish brown silt with noticeable plant material and varying amounts of sand. This layer is characterized by an organic odor and very high moisture and organic content. The typical Unified Soil Classification System (USCS) classifications for this layer were OL (organic silts and clays of low plasticity), OH (organic silts and clays of high plasticity), and ML (inorganic silts).

Fine-Grained Alluvium. This layer is characterized by a mix of gray and light brown to brown silt and sand, with trace amounts of clay and organics. The typical USCS classifications for samples in this layer were SM (silty sands), ML, and ML-CL (inorganic silts and clayey silts of low plasticity).

Lower Alluvium. This layer consists of predominantly coarse-grained gray sand with occasional gravel. The samples from this layer generally fall under the USCS classification of SM.¹⁵

The thickness of the above-noted units varied across the Reach 6 study area. In general, the organic soils were thicker within the southern portion of Woods Pond, estimated to range from a few feet up to about seven or eight feet. Elsewhere within the study area, the organic soils appeared to be generally limited to no more than a few feet in thickness and locally absent in some channels. The fine-grained alluvium also appeared to vary in thickness across the site, ranging up to about five feet in thickness and being locally absent in some locations, such as the southeastern portion of Woods Pond.

The index parameter test results for each soil unit are summarized in Table 1 in Appendix C, and the minimum, maximum, and average for each parameter are presented in Table 2-7. A narrative discussion of the tests and results is provided in the following subsections.

¹⁵ Local geologic mapping indicates that Woods Pond is bounded and underlain by glacial till (mapped to the east and west) and stagnant-ice deposits (mapped to the south) (Stone et al. 2018). Glacial till was not encountered in any of the investigations completed as part of the PDI. The lower alluvium appears to be similar to available descriptions of the stagnant-ice contact deposits; however, it may also locally consist of reworked stagnant-ice contact deposits within and adjacent to older alluvial channels or simply alluvial deposits derived from upstream sources. Accordingly, the characterization of the lower alluvium may be revised based on additional data collection at the site.

Table 2-7
Summary of Geotechnical Index Parameter Testing Results by Layer

Geotechnical Analyses		Dry Bulk Density (pcf)	Moisture Content (%)	Organic Content (%)	Specific Gravity	Grain Size (% by weight)		
						Gravel	Sand	Total Fines
Organic Soils	Number of Samples	11	68	11	11	68		
	Minimum	6	46	10	1.0	0	24	18
	Average	18	358	41	1.2	0	53	47
	Maximum	42	1,090	92	1.4	0	83	76
Fine-Grained Alluvium	Number of Samples	14	50	14	14	50		
	Minimum	14	21	1.7	1.3	0	25	16
	Average	44	61	9	1.7	0.1	54	46
	Maximum	75	197	29	2.0	3.8	84	75
Lower Alluvium	Number of Samples	1	4	1	1	4		
	Minimum	57	14	2.1	2.0	0	58	21
	Average	57	27	2.1	2.0	5.8	69	26
	Maximum	57	39	2.1	2.0	20.8	79	31

2.4.1.1 Moisture Content

Moisture content (measured by 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. Moisture content analysis was conducted on all 122 samples collected. The average moisture contents were 358% (ranging from 46% to 1090%) for the organic soil layer, 61% (ranging from 21% to 197%) for the fine-grained alluvium layer, and 27% (ranging from 14% to 39%) for the lower alluvium layer.

2.4.1.2 Organic Content

The organic content of soil or sediment samples (measured by ASTM D2974) indicates the proportion of organic matter present within the material. Organic content was analyzed for 26 samples. Samples from the organic soil layer exhibited an average organic content of 41%, ranging from 10% to 92%.¹⁶ Samples from the fine-grained alluvium layer had an average organic content of 9%, with values ranging from 1.7% to 29%. One sample from the lower alluvium layer was tested and had an organic content of 2.1%.

¹⁶ Note that organic content differs from total organic carbon (TOC). TOC measured historically in Woods Pond averages approximately 10%.

2.4.1.3 Particle Size

Sieve analysis (by 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 all 122 samples. The organic soil layer samples had an average particle size distribution (reported as percent by weight) of 47% fines and 53% sand, with no samples containing gravel. Samples from the fine-grained alluvium layer had an average particle size distribution of 46% fines, 54% sand, and 0.1% gravel, with only two of 50 samples from this layer containing gravel, both at less than 5%. Lower alluvium samples had an average particle size distribution of 26% fines, 69% sand, and 6% gravel.

2.4.1.4 Atterberg Limits

Atterberg limit testing (by ASTM 4318) is used to evaluate the relationship between moisture content and behavior type (state) for a given soil or sediment. 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. Atterberg Limit testing was conducted on all 122 samples, and all samples were found to be non-plastic, except for seven samples from the organic soil layer, which exhibited plasticity.

2.4.1.5 Specific Gravity

The specific gravity of a material (measured by ASTM D854) is the ratio of its unit weight to that of water and is dependent on the minerals that make up the soil matrix. Specific gravity testing was conducted on 26 sediment samples. For the organic soil layer, the average result was 1.2, with a range from 1 to 1.4. The fine-grained alluvium layer had an average result of 1.7, ranging from 1.3 to 2.0. Only one result was obtained for the lower alluvium layer, which was 2.0.

2.4.1.6 Dry Bulk Density

The dry bulk density of a soil or sediment sample (measured by ASTM D7263/D2974) is defined as the weight of solids, such as soil particles or organics, in a unit volume of material. Dry bulk density testing was conducted on 26 sediment samples. Organic soil layer samples had an average dry bulk density of 18 pounds per cubic foot (pcf) and ranged from six to 42 pcf. Fine-grained alluvium layer samples had an average dry bulk density of 44 pcf and ranged from 14 to 75 pcf. The lower alluvium layer sample had a dry bulk density of 57 pcf.

2.4.2 *In-Situ Vane Shear Testing*

Vane shear tests were conducted at 85 of the sediment sampling locations (Figure 2-7). Tests were conducted using three different vane sizes: diameters of 25.4 millimeters, 32 millimeters, and 64 millimeters. Testing equipment was calibrated once each day prior to use. Testing began one foot below the mudline and continued at one-foot intervals until refusal was met.

Results of the vane shear tests provided a means to evaluate the in-situ undrained shear strength of the soil units encountered during the investigation. The organic soil layer displayed peak shear strengths ranging from 0 to 71 pounds per square foot (psf), with an average peak shear strength of 12 psf. The fine-grained alluvium layer exhibited peak shear strengths ranging from 20 to 352 psf, with an average peak shear strength of 135 psf. No vane shear test results were available for the lower alluvium layer.

2.4.3 *Laboratory Strength Testing*

The geotechnical investigation program included laboratory testing of sediment and soil shear strength for both the materials to be dredged and the materials that will remain in place (exposed slopes) after dredging. The samples collected for this testing focused on nearshore areas. These data will be used to evaluate dredge prism slope stability in the nearshore areas, where the slopes will be designed to be stable yet as steep as possible in accordance with the Revised Final Permit. The eight samples for laboratory strength testing were collected using Shelby tubes at five locations, as shown on Figure 2-7. At each location, samples were collected from depths between four and 10 feet below mudline. Five samples consisting of primarily fine material were submitted for consolidated undrained triaxial shear strength (by ASTM D4767), and three samples consisting of primarily coarser material were submitted for direct shear testing (by ASTM D3080), as presented in the following subsections.

Direct shear tests were included since initial sediment core sampling indicated that coarser materials were likely to be encountered at locations planned for collection of samples for strength testing. The coarser materials were considered likely to suffer significant sample disturbance on attempted extraction and setup for triaxial testing, and consequently direct shear testing was included as a strength testing technique for such materials. Direct shear testing allows for easier sample preparation and requires less materials for testing than triaxial testing. Therefore, direct shear testing was conducted in areas where the materials encountered were considered unlikely to be successfully tested using triaxial methods.

2.4.3.1 Consolidated Undrained Triaxial Shear Testing

Sediment samples were collected at five locations for the analysis of consolidated undrained triaxial shear strength (by ASTM D4767). In an effort to collect an undisturbed sample (via ASTM D1587), sampling was initially attempted using a thin-walled tube and manual push core methods. At four

locations, manual methods were conducted to the extent feasible, but were not able to achieve the desired recovery depths; in those locations, vibracoring was then used to complete core penetration to refusal. The target depth for each location was 10 feet. Where full recovery was achieved (SE-J-10-TT), the core was then split into two sections of four to eight feet and eight to 10 feet for consolidated undrained triaxial shear strength testing (by ASTM D4767). The test type and intervals were adjusted in the field based on material recovery, sample collection method, and material type. The tested intervals and collection methods are listed in Table 2-8.

Table 2-8
Summary of Triaxial Core Samples

Location ID	Recovery (feet)	Consolidated Undrained Triaxial Shear Strength Intervals (ASTM D4767)	Direct Shear Intervals (ASTM D3080)	Collection Method
SE-J-10-TT	10	4 to 8 feet	None	Manual push core
		8 to 10 feet		
SE-K-4-5-TT	6.5	2.5 to 4.5 feet	4.5 to 6.5 feet	Manual push core to 2.5 feet; vibracore from 2.5 to 6.5 feet
SE-F-1-TT	8	None	4 to 6 feet	Vibracore
			6 to 8 feet	
SE-F-9-TT	5	3 to 5 feet	None	Manual push core to 3 feet; vibracore from 3 to 5 feet
SE-E-5-TT	6	None	4 to 6 feet	Vibracore

The triaxial test results are described below and summarized in Table 2-9.

- SE-K-4-5-TT: The sample from 2.5 feet to 4.5 feet bgs was tested at confining pressures of approximately 200, 350, and 500 psf. The failure effective friction angle for the sample was 2.5 degrees, and the cohesion strength was 366 psf. The sample from 4.5 feet to 6.5 feet bgs was tested at confining pressures of approximately 300, 500, and 1,057 psf. The failure effective friction angle for the sample was 30.7 degrees and the cohesion strength was 87.8 psf.
- SE-F-9-TT: The sample from three feet to five feet bgs was tested at confining pressures of approximately 200, 350, and 500 psf. The failure effective friction angle for the sample was 20.2 degrees, and the cohesion strength was 60.7 psf.
- SE-J-10-TT: The sample from four feet to eight feet bgs was tested at confining pressures of approximately 350, 500, and 750 psf. The failure effective friction angle for the sample was 14.8 degrees, and the cohesion strength 225 psf. The sample from eight feet to 10 feet bgs was tested at confining pressures of approximately 500, 750, and 1,000 psf. The failure effective friction angle for the sample was 28.9 degrees, and the cohesion strength was 71.6 psf.

- All tested samples were obtained from the organic soils unit. The average drained strength parameters of the tested samples included an effective friction angle of 23.7 degrees and an average effective cohesion of 111.3 psf.

Table 2-9
Summary of Consolidated Undrained Triaxial Test Results

Investigation ID	In Situ Depth (feet)	Average Initial Moisture Content (%) ¹	Average Initial Unit Weight (pcf) ²	Consolidated Undrained Triaxial Test Results ³		Soil Description ⁴
				Effective Friction Angle (degrees)	Effective Cohesion (lb/ft ²)	
SE-K-4/5-TT	2.5–4.5	106.0	77.6	2.5	366.0	Clay with organics, very dark brown, moist (Organic Soils)
	4.5–6.5	137.6	75.7	30.7	87.8	Clay with organics, very dark brown, moist (Organic Soils)
SE-F-9-TT	3.0–5.0	519.2	63.8	20.2	60.7	Clay with organics, very dark brown, moist (Organic Soils)
SE-J-10-TT	4.0–8.0	273.9	69.8	14.8	225.0	Silt with organics, very dark brown, moist (Organic Soils)
	8.0–10.0	188.9	75.7	28.9	71.6	Silt with organics, very dark brown, moist (Organic Soils)

Notes:

1. Moisture content determined according to ASTM D2216.
2. Unit weight (density) determined according to ASTM D2937.
3. Consolidated-Undrained Triaxial testing conducted according to ASTM D4767.
4. Soil descriptions as reported by laboratory.

2.4.3.2 Direct Shear Testing

As indicated in Section 2.4.3, coarser samples were selected for direct shear testing in lieu of triaxial consolidated undrained shear testing. Three samples were obtained from two locations in the northwestern portion of Woods Pond, SE-F-1-TT and SE-E-5-TT (Figure 2-7). The direct shear test results are described below and summarized in Table 2-10.

- SE-F-1-TT: A sample from four feet to six feet bgs within the fine-grained alluvium layer was tested for shear stresses of 477, 548, and 672 psf. The peak of failure friction angle for the sample was 26.1 degrees, and the cohesion strength was 305 psf. A sample from the lower alluvium soil unit between six feet to eight feet bgs was tested for shear stresses of 643, 980, and 1,430 psf. The peak of failure friction angle for the sample was 38.2 degrees, and the calculated cohesion was 230 psf.

- SE-E-5-TT: A sample from four feet to six feet bgs within the fine-grained alluvium layer was tested for shear forces of 589, 774, and 891 psf. The peak of failure friction angle for the sample was 35.9 degrees, and the cohesion was 365 psf.
- The fine-grained alluvium layer samples had an average peak friction angle of 31 degrees and an average cohesion of 335 psf.

Table 2-10
Summary of Direct Shear Test Results

Investigation ID	In Situ Depth (feet)	Average Initial Moisture Content (%) ¹	Average Initial Unit Weight (pcf) ²	Direct Shear Test Results ³		Soil Description ⁴
				Peak Friction Angle (degrees)	Cohesion (lb/ft ²)	
SE-F-1-TT	4.0–6.0	16.9	128.2	26.1	305	Silty Sand, light olive gray, moist (Fine-Grained Alluvium)
	6.0–8.0	16.9	120.0	38.2	230	Sand, yellowish brown, moist (Lower Alluvium)
SE-E-5-TT	4.0–6.0	157.8	78.9	35.9	365	Silty Sand with organics, dark brown, moist (Fine-Grained Alluvium)

Notes:

1. Moisture content determined according to ASTM D2216.
2. Unit weight (density) determined according to ASTM D2937.
3. Direct shear testing conducted according to ASTM D3080.
4. Soil descriptions as reported by laboratory.

3 Concurrent Submittals and Upcoming Activities

As described in Sections 1.1 and 1.4, GE substantially completed the Reach 6 PDI activities in November 2023 and is providing the results in this PDI Summary Report. As also previously noted, the Conceptual RD/RA Work Plan is being submitted concurrently with this report. The *Supplemental Data Collection Work Plan for Reach 6*, included as Appendix F to the Conceptual RD/RA Work Plan, describes additional data collection activities to support preparation of the Final RD/RA Work Plan for Reach 6.

Following EPA approval of the *Supplemental Data Collection Work Plan for Reach 6*, GE will conduct the supplemental data collection activities. 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 6.

In addition, following EPA approval of the upcoming Phase IB CRS Work Plan for Reach 6, GE will conduct the surveys and other field activities described in that work plan and will provide the results in a Phase IB CRS Report for Reach 6, which will likewise be taken into account in the Final RD/RA Work Plan for Reach 6.

Finally, as noted above, since the foregoing submittals will not include the headwaters transition zone, the design for that area will be presented in later documents, likely a future addendum to the Final RD/RA Work Plan for Reach 6.

4 References

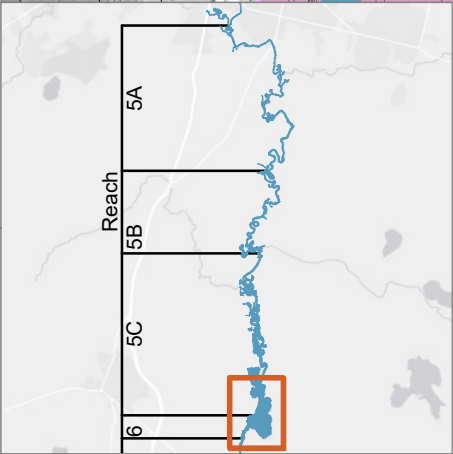
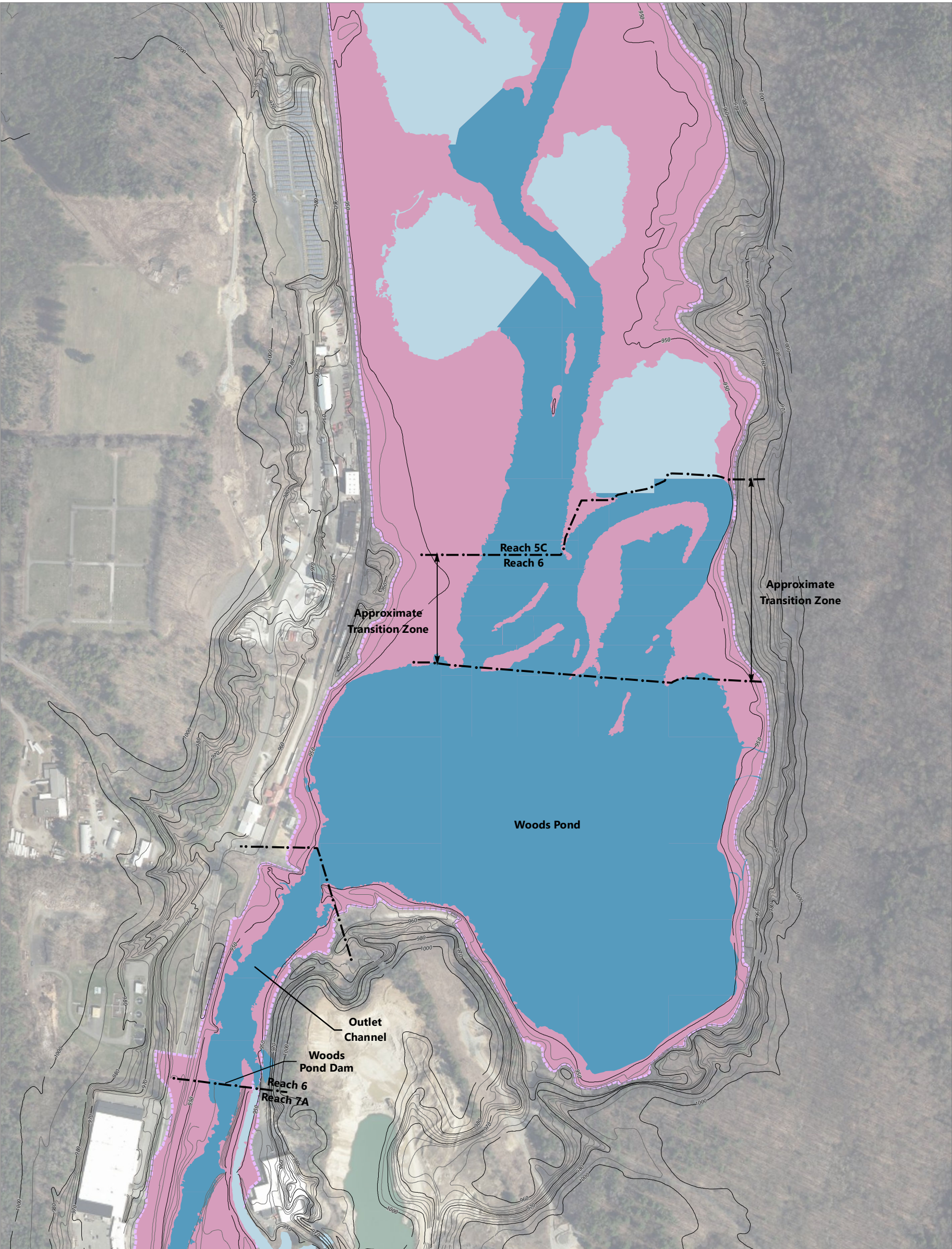
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Figures

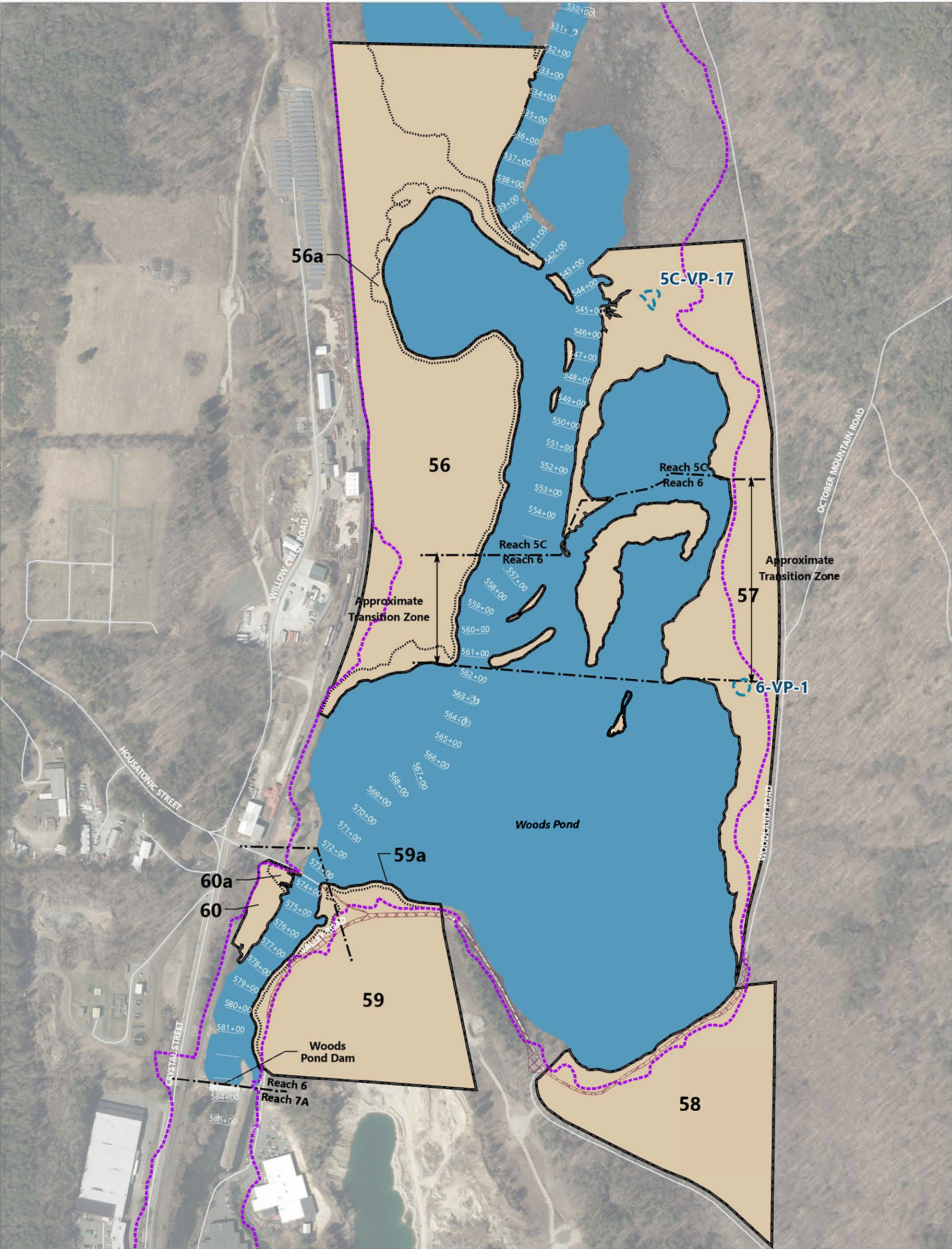


LEGEND:

- Reach Boundaries
- Topographic Contours (2-foot)
- Backwater
- Channel
- 1 mg/kg PCB Isopleth

NOTE:
1. Aerial imagery from MassGIS 2021.

0 400
Feet



5A
5B
5C
Reach 6

LEGEND:

- Housatonic River
- 0+00 River Stationing
- Reach Boundaries
- Exposure Area Boundary
- Exposure Subarea Boundary
- 1 mg/kg PCB Isopleth
- Frequently Used Sub-Area (FUSA)
- Vernal Pools (AECOM 2023)

NOTE:

1. Aerial imagery from MassGIS 2023.

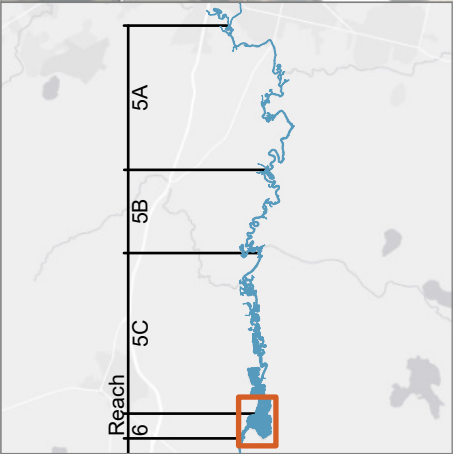
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Figure 2-1
Woods Pond Topographic and Bathymetric Surveys
Pre-Design Investigation Summary Report for Reach 6
Housatonic River - Rest of River



- LEGEND:**
- Housatonic River
 - River Stationing
 - Roads
 - Observed Structure or Utility
 - Approximate Power Lines
 - Dam Safety Cable

- NOTES:**
- Aerial imagery from MassGIS 2023.
 - Structures and utilities shown were identified along Reach 6 of the Housatonic River based on observations during 2023 pre-design investigation activities. This information should not be construed as wholly complete or a line of evidence.
 - Structure and utility locations are approximate and shall be field verified.
 - 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.

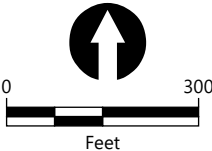
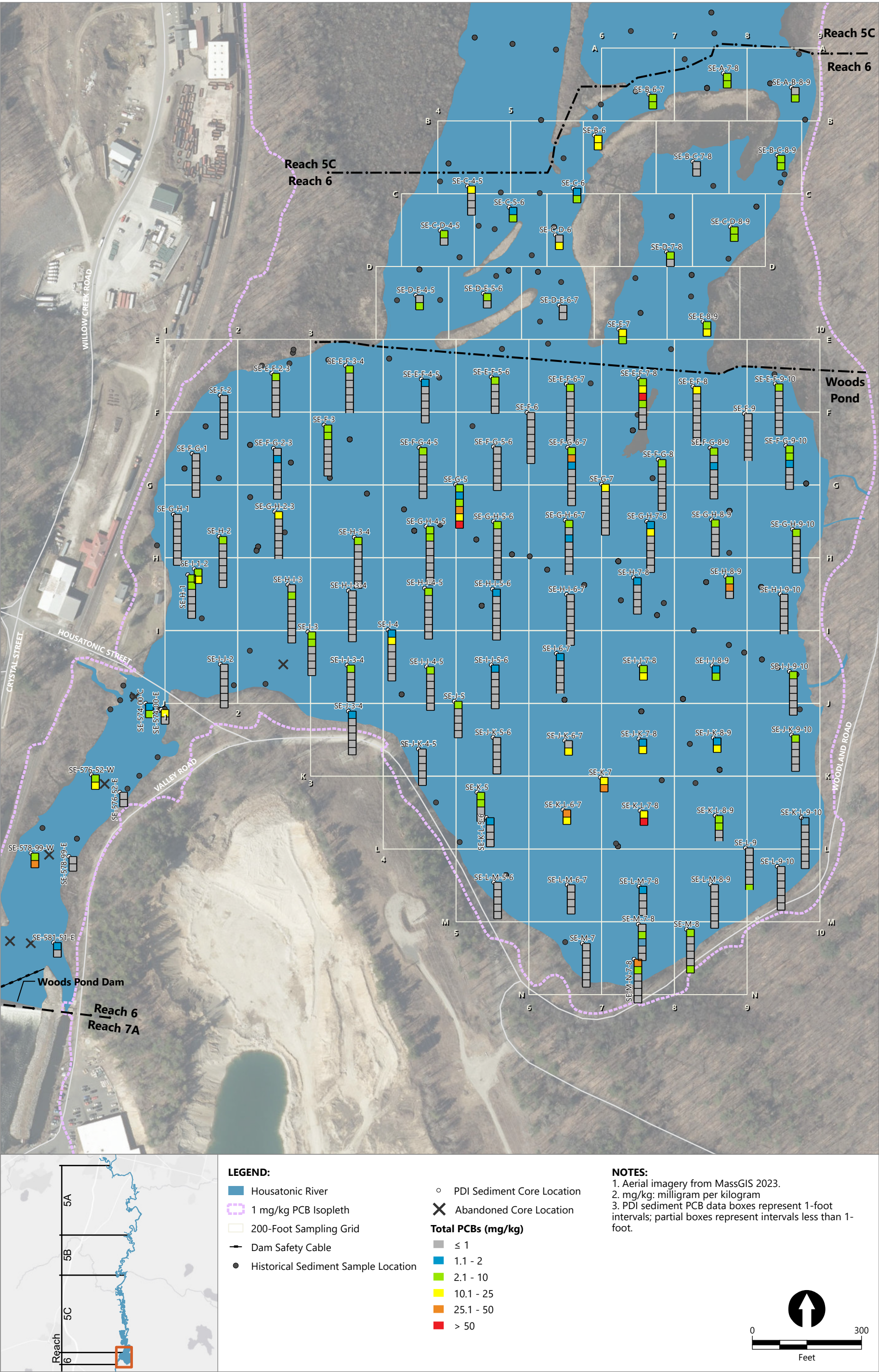


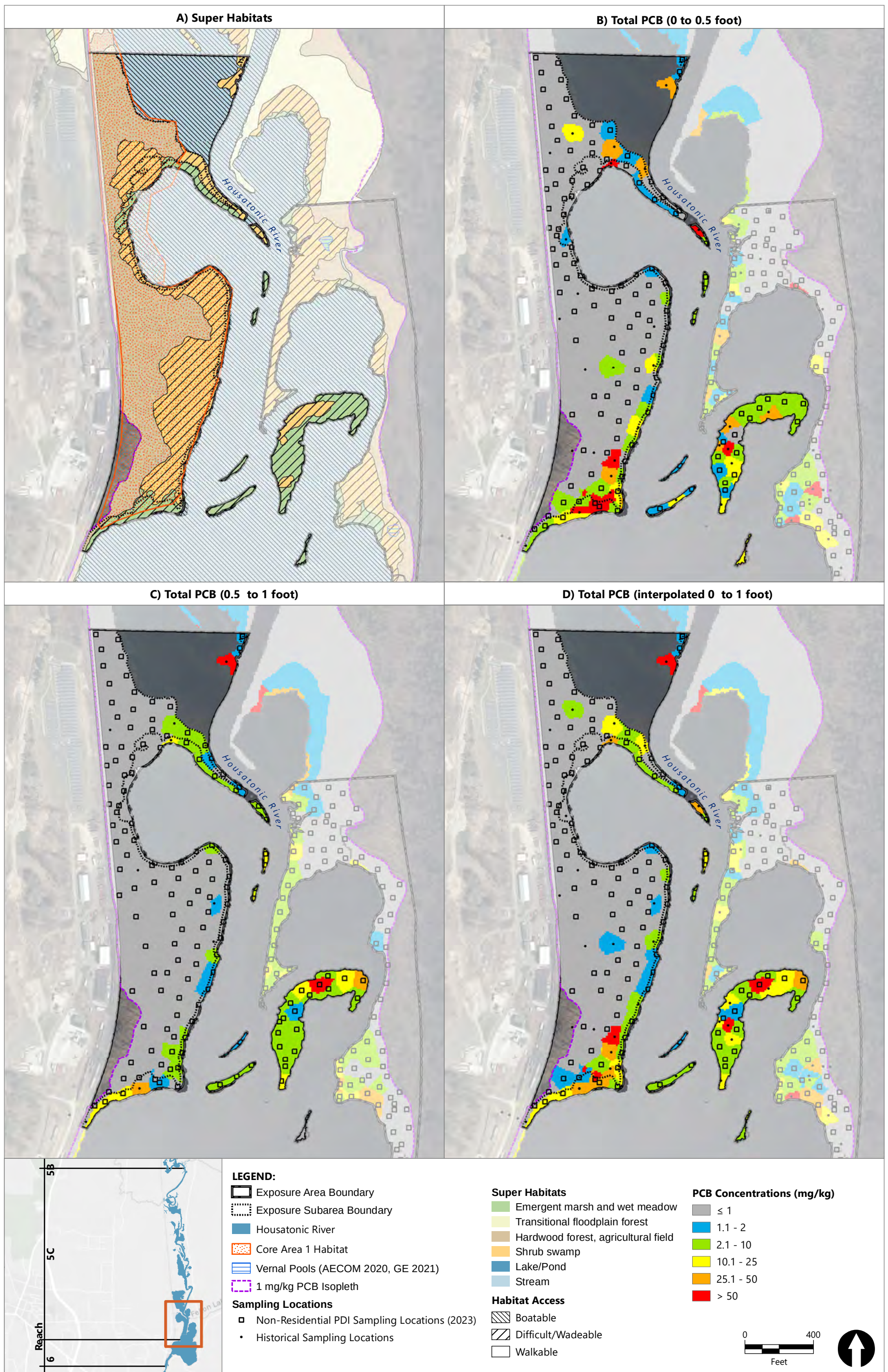
Figure 2-2
Observed Shoreline Structures and Utilities along Woods Pond
Pre-Design Investigation Summary Report for Reach 6
Housatonic River – Rest of River

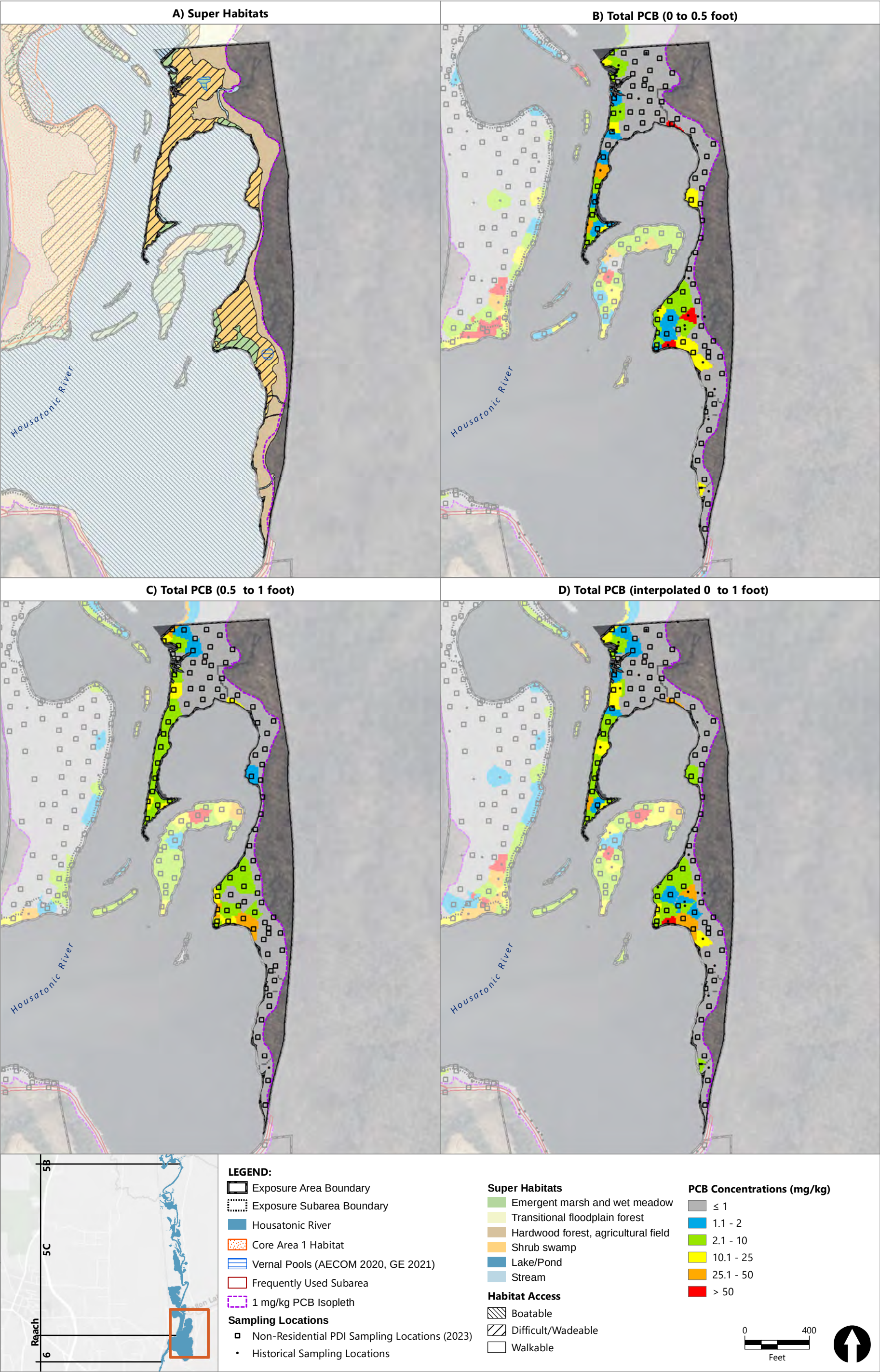


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Filepath: \\gstfile01\GIS\Jobs\GE_0469\HousatonicRiver\Maps\Reports\R6DSR\R6_DSR.aprx | Figure 2-3 Sediment PCB Cores

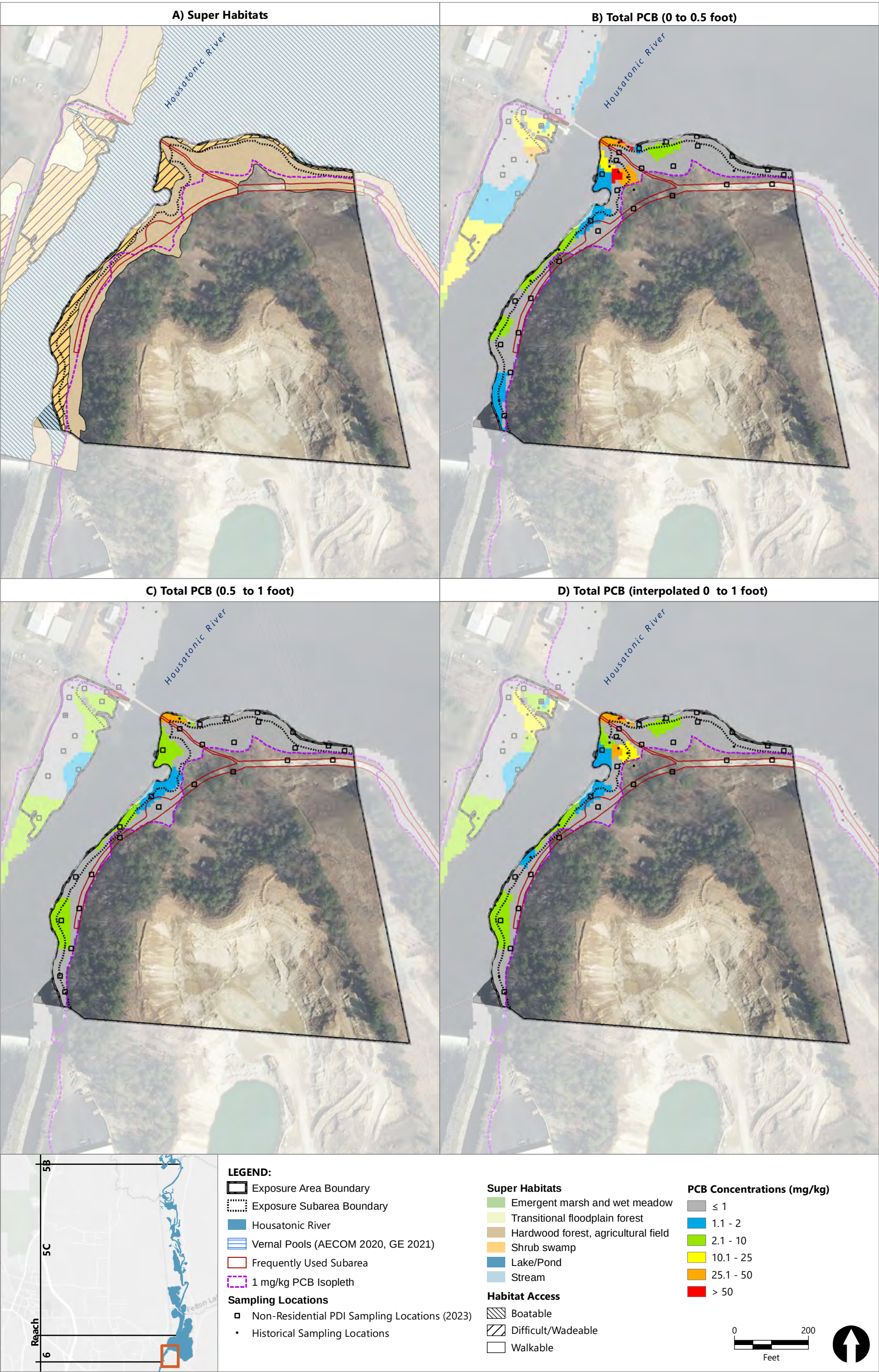


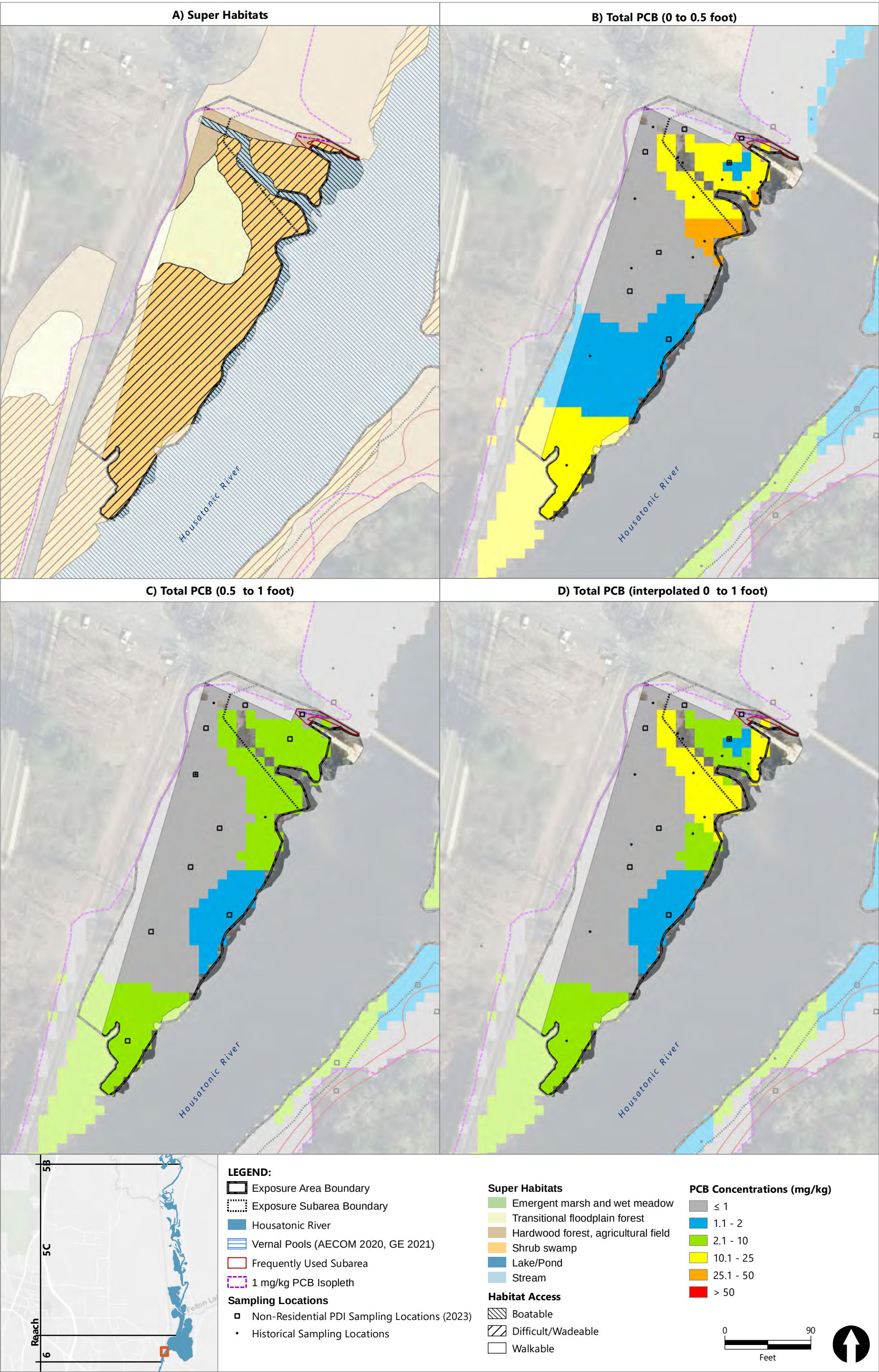
Figure 2-3
Reach 6 PDI Sediment Sampling Total PCB Results
Pre-Design Investigation Summary Report for Reach 6
Housatonic River – Rest of River













Total PCB (0 to 1 foot)¹

Total PCB (1 to 2 feet)

Total PCB (2 to 3 feet)

LEGEND:

□ Exposure Area Boundary

□ Exposure Subarea Boundary

□ 1 mg/kg PCB Isopleth

□ Frequently Used Subarea

□ Vernal Pools (AECOM 2020, GE 2021)

□ Botable Access

PCB Concentrations (mg/kg)

□ ≤ 1

□ 1.1 - 2

□ 2.1 - 10

□ 10.1 - 25

□ 25.1 - 50

□ > 50

Sampling Locations

□ Non-Residential PDI Sampling Locations (2023)

• Historical Sampling Locations

NOTES:

1. PCB concentrations represent the average concentration in the top 0 to 1 foot of soil based on 0- to 0.5-foot and 0.5- to 1-foot layers.

2. Aerial imagery from MassGIS 2021.

0 190

Feet

↑

Reach 5C

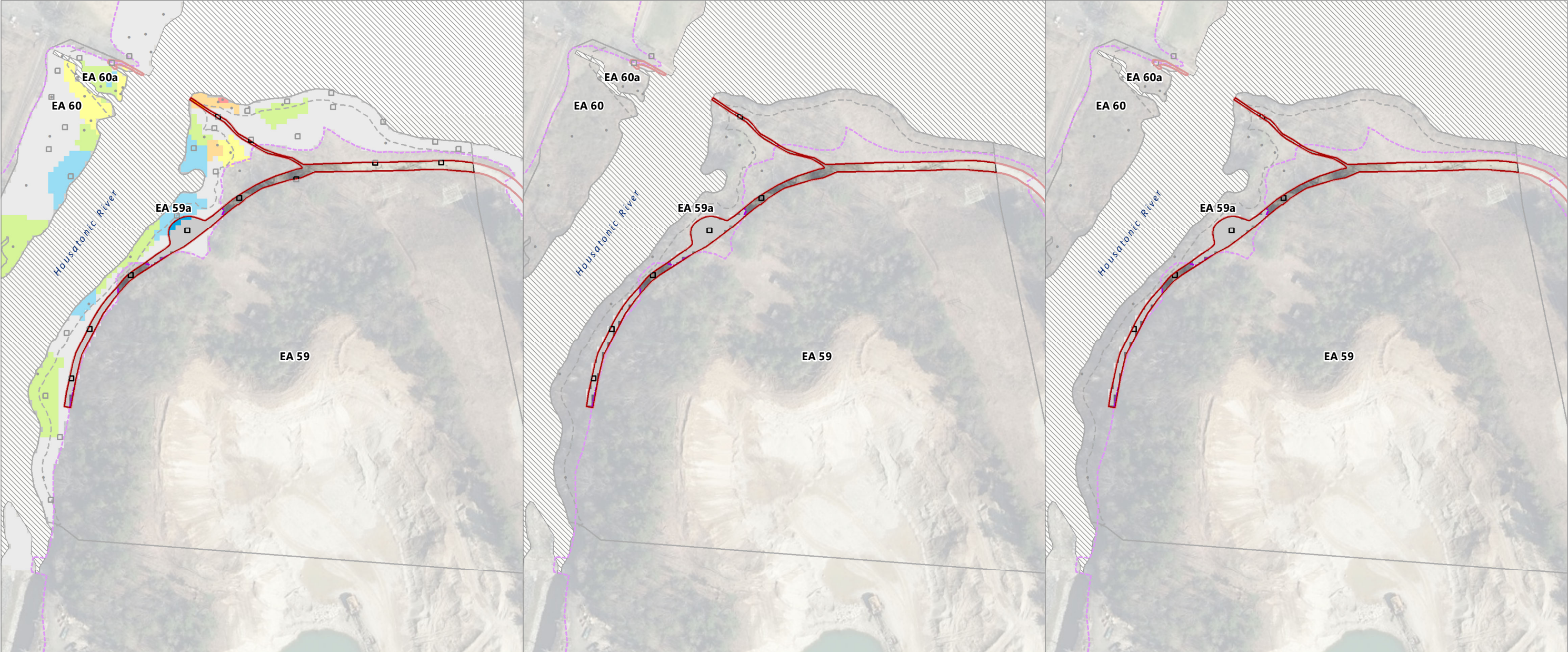
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Housatonic River

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Figure 2-5a
Frequently Used Subarea (Exposure Area 58)
Pre-Design Investigation Summary Report for Reach 6
Housatonic River – Rest of River



Total PCB (0 to 1 foot)¹

Total PCB (1 to 2 feet)

Total PCB (2 to 3 feet)

LEGEND:

□ Exposure Area Boundary

□ Exposure Subarea Boundary

□ 1 mg/kg PCB Isopleth

□ Frequently Used Subarea

□ Vernal Pools (AECOM 2020, GE 2021)

□ Botable Access

Sampling Locations

□ Non-Residential PDI Sampling Locations (2023)

• Historical Sampling Locations

PCB Concentrations (mg/kg)

□ ≤ 1

□ 1.1 - 2

□ 2.1 - 10

□ 10.1 - 25

□ 25.1 - 50

□ > 50

NOTES:

1. PCB concentrations represent the average concentration in the top 0 to 1 foot of soil based on 0- to 0.5-foot and 0.5- to 1-foot layers.

2. Aerial imagery from MassGIS 2021.

0 190 Feet

↑

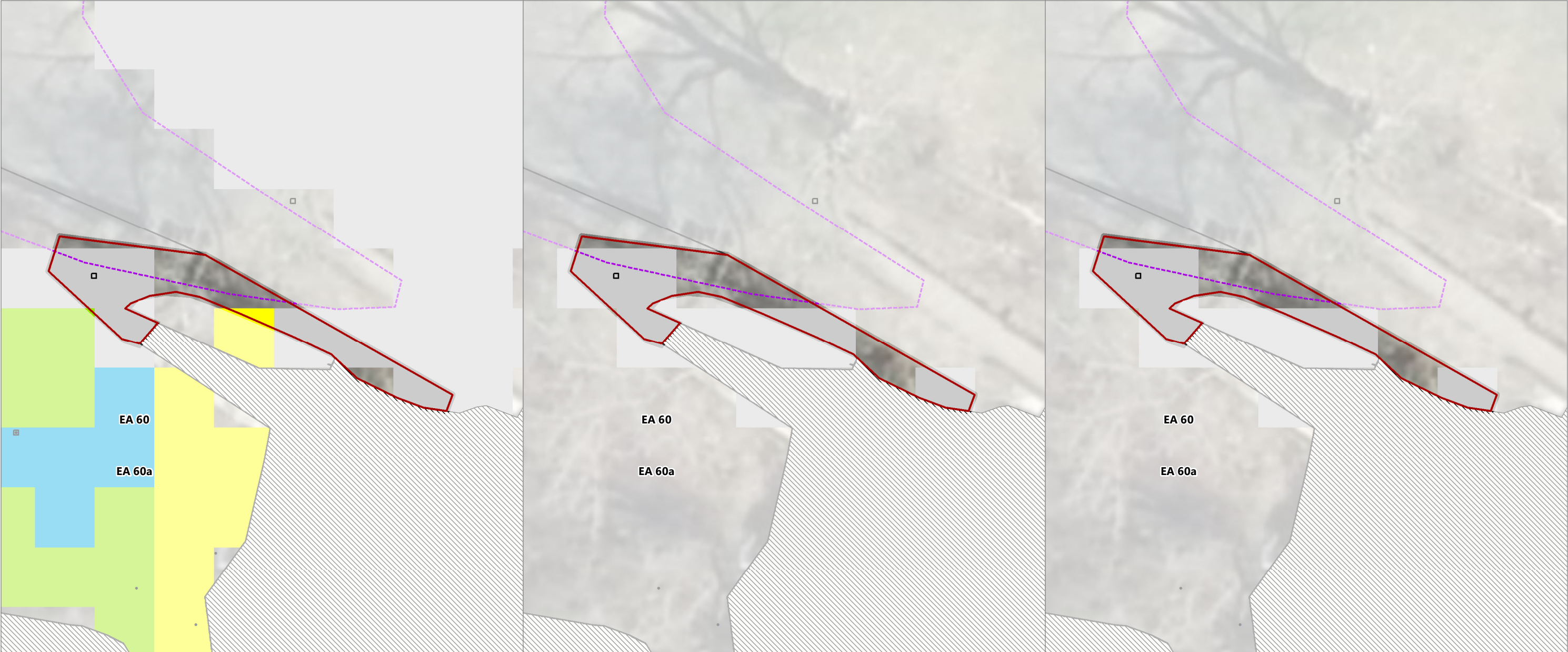
Reach 6

5C

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Figure 2-5b
Frequently Used Subarea (Exposure Area 59)
Pre-Design Investigation Summary Report for Reach 6
Housatonic River – Rest of River



Total PCB (0 to 1 foot)¹

Total PCB (1 to 2 feet)

Total PCB (2 to 3 feet)

LEGEND:

- Exposure Area Boundary
- Exposure Subarea Boundary
- 1 mg/kg PCB Isopleth
- Frequently Used Subarea
- Vernal Pools (AECOM 2020, GE 2021)
- Botable Access

Sampling Locations

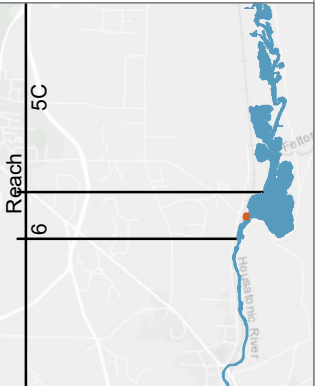
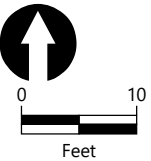
- Non-Residential PDI Sampling Locations (2023)
- Historical Sampling Locations

PCB Concentrations (mg/kg)

- ≤ 1
- 1.1 - 2
- 2.1 - 10
- 10.1 - 25
- 25.1 - 50
- > 50

NOTES:

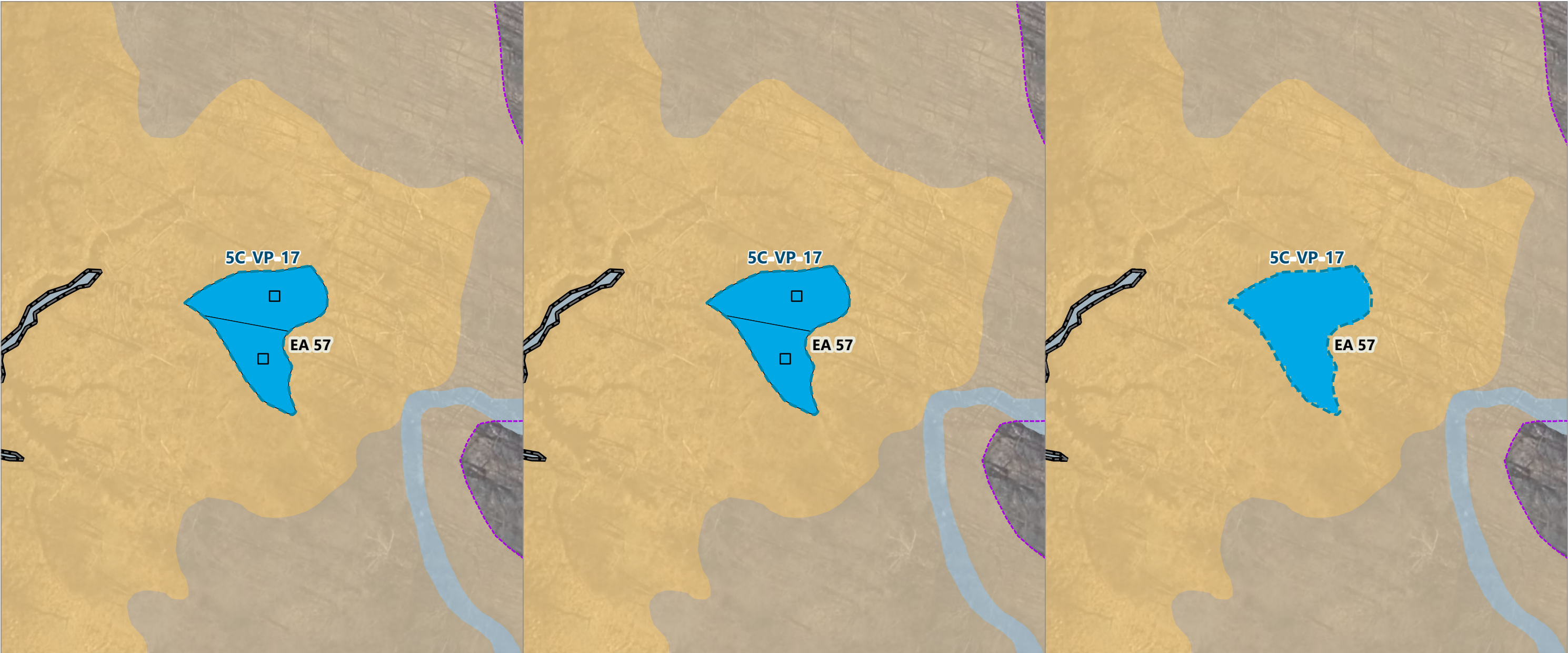
1. PCB concentrations represent the average concentration in the top 0 to 1 foot of soil based on 0- to 0.5-foot and 0.5- to 1-foot layers.
2. Aerial imagery from MassGIS 2021.



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Figure 2-5c
Frequently Used Subarea (Exposure Area 60a)
Pre-Design Investigation Summary Report for Reach 6
Housatonic River – Rest of River



Total PCB (0 to 0.5 foot)

Total PCB (0.5 to 1 foot)

Total PCB (Interpolated 0 to 1 foot)¹

LEGEND:

- Exposure Area Boundary
- Exposure Subarea Boundary
- 1 mg/kg PCB Isopleth
- Vernal Pools (AECOM 2020)

Super Habitats (AECOM and Anchor QEA 2020)

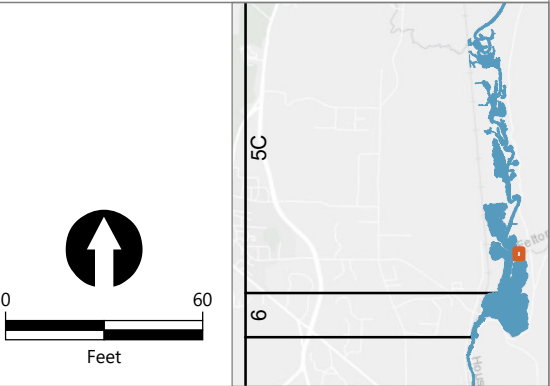
- Emergent marsh and wet meadow
- Transitional floodplain forest
- Hardwood forest, agricultural field
- Shrub swamp
- Lake/Pond
- Stream

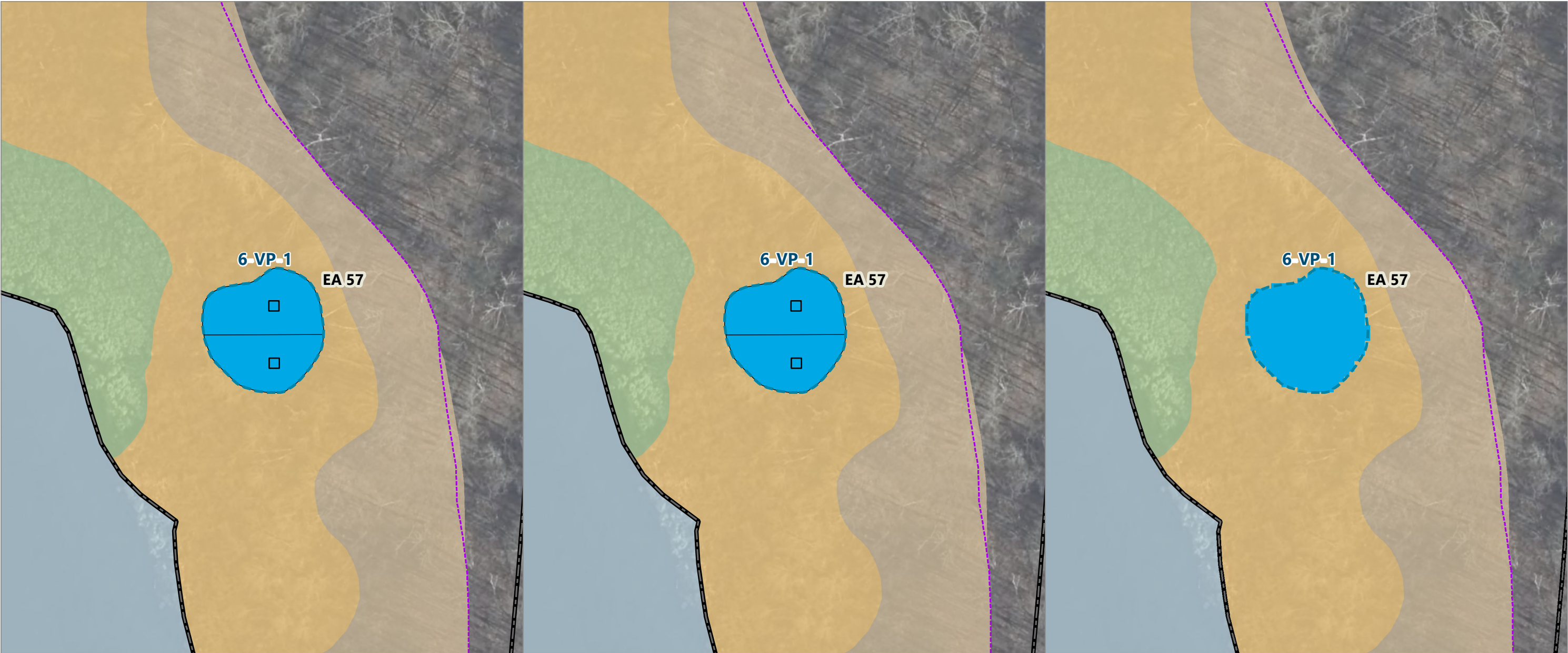
Non-Residential PDI Sampling Locations (2022)

PCB Concentrations (mg/kg)

- ≤2
- 2.1 - 10
- 10.1 - 25
- 25.1 - 50
- > 50

NOTES:
1. PCB concentrations represent the spatially weighted average concentration in the top 0 to 12 inches of soil.
2. Aerial imagery from MassGIS 2021.





Total PCB (0 to 0.5 foot)

Total PCB (0.5 to 1 foot)

Total PCB (Interpolated 0 to 1 foot)¹

LEGEND:

- Exposure Area Boundary
- Exposure Subarea Boundary
- 1 mg/kg PCB Isopleth
- Vernal Pools (AECOM 2020)

Super Habitats (AECOM and Anchor QEA 2020)

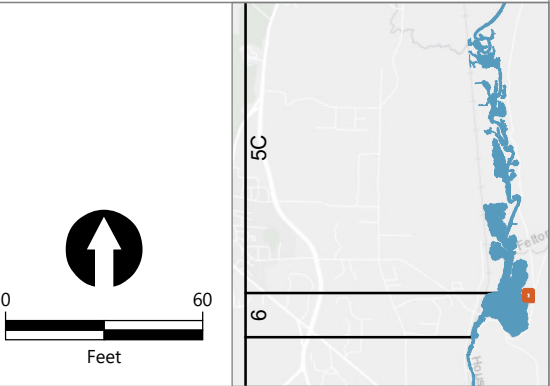
- Emergent marsh and wet meadow
- Transitional floodplain forest
- Hardwood forest, agricultural field
- Shrub swamp
- Lake/Pond
- Stream

Non-Residential PDI Sampling Locations (2022)

PCB Concentrations (mg/kg)

- ≤2
- 2.1 - 10
- 10.1 - 25
- 25.1 - 50
- > 50

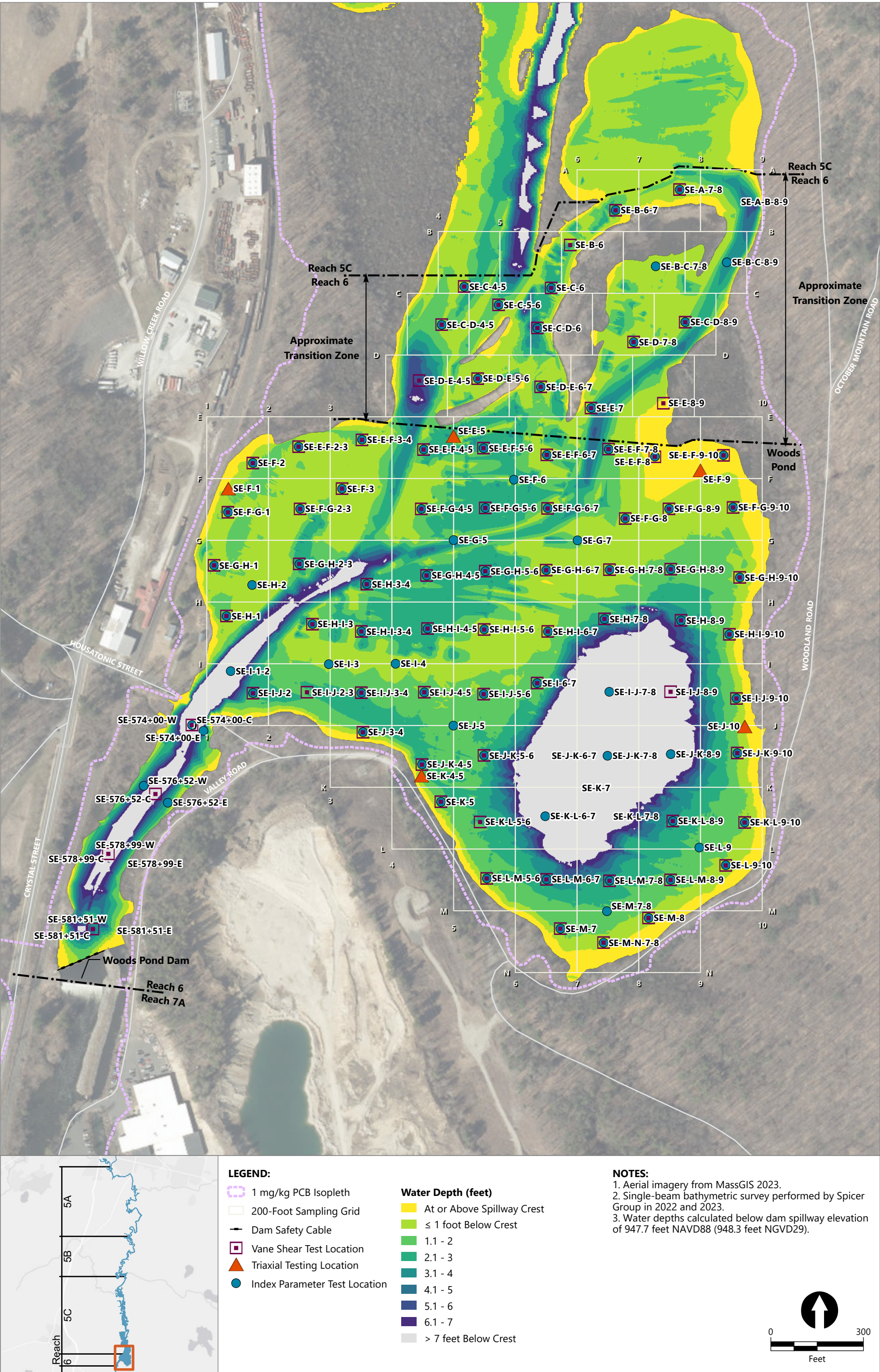
NOTES:
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2. Aerial imagery from MassGIS 2021.



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Figure 2-6b
Vernal Pool 6-VP-1 in EA 57
Pre-Design Investigation Summary Report for Reach 6
Housatonic River – Rest of River



Appendix A

Sample Collection Log Information (Sediment/Floodplain)

Table 1
Sediment Sampling Field Data

Zone	Location ID	Sample Date	Easting (feet)	Northing (feet)	Water Depth (feet)	Penetration (feet)	Recovery (feet)	Probe Depth (feet)	Notes
Transition Zone	SE-A-7-8	2023-08-19	186432.58	2958925.88	2.0	5.0	4.1		
	SE-A-B-8-9	2023-08-19	186619.47	2958887.32	6.5	6.0	3.4	6.4	
	SE-B-6	2023-08-18	186077.73	2958755.70	1.7	5.0	3.5		
	SE-B-6-7	2023-08-19	186228.06	2958868.16	3.8	6.0	5.5		
	SE-B-C-7-8	2023-08-19	186348.65	2958683.55	2.3	6.0	4.2	4.0	
	SE-B-C-8-9	2023-08-19	186580.40	2958700.68	5.4	6.0	3.0	8.5	
	SE-C-4-5	2023-08-18	185729.50	2958616.34	3.3	6.0	5.6		
	SE-C-5-6	2023-08-19	185843.90	2958557.80	2.2	6.0	3.6		
	SE-C-6	2023-08-19	186019.90	2958610.36	3.5	6.0	4.5		
	SE-C-D-4-5	2023-08-18	185654.43	2958494.00	3.8	5.5	5.0		
	SE-C-D-6	2023-08-18	185971.11	2958482.04	5.8	6.0	4.3		
	SE-C-D-8-9	2023-08-20	186451.76	2958504.39	3.1	6.0	4.5	9.4	
	SE-D-7-8	2023-08-20	186276.59	2958435.39	2.3	6.0	5.0	3.6	
	SE-D-E-4-5	2023-08-17	185587.19	2958316.38	4.2	4.0	3.0		
	SE-D-E-5-6	2023-08-20	185773.06	2958321.29	2.2	6.0	5.0	5.9	
	SE-D-E-6-7	2023-08-20	185981.37	2958289.12	2.7	6.0	5.0	4.0	
	SE-E-7	2023-08-21	186145.27	2958223.13	1.7	6.0	3.6	5.4	
	SE-E-8-9	2023-08-21	186377.04	2958243.87	5.6	6.0	3.2	4.4	
Woods Pond	SE-E-F-2-3	2023-08-23	185191.86	2958101.94	2.2	10.0	8.4	1.5	
	SE-E-F-3-4	2023-08-24	185394.54	2958122.69	2.0	8.0	6.5	3.5	
	SE-E-F-4-5	2023-08-20	185602.43	2958085.71	1.4	10.0	8.0	5.5	
	SE-E-F-5-6	2023-08-21	185794.72	2958091.83	1.7	9.7	7.7	5.4	
	SE-E-F-6-7	2023-08-21	186001.32	2958071.94	1.3	10.8	9.7	3.8	
	SE-E-F-7-8	2023-08-21	186200.25	2958087.56	2.6	11.0	8.7	8.0	
	SE-E-F-8	2023-08-22	186349.17	2958065.64	2.1	10.5	9.9	4.9	
	SE-E-F-9-10	2023-08-22	186575.23	2958072.89	1.8	10.5	9.5	5.5	
	SE-F-2	2023-08-24	185049.48	2958041.32	3.3	11.0	11.0	0.9	
	SE-F-3	2023-08-22	185334.99	2957960.01	1.8	11.0	8.5	5.3	
	SE-F-6	2023-08-24	185892.95	2957994.23	1.0	10.0	8.0	3.9	
	SE-F-9	2023-08-24	186490.43	2957991.18	1.5	10.0	7.1	5.9	
	SE-F-G-1	2023-08-24	184972.51	2957881.30	2.0	10.0	7.3	6.9	
	SE-F-G-2-3	2023-08-24	185196.34	2957896.20	1.1	11.0	8.4	7.1	
	SE-F-G-4-5	2023-08-22	185596.44	2957897.90	1.7	11.6	9.3	4.0	
	SE-F-G-5-6	2023-08-22	185800.76	2957900.12	1.4	11.0	8.2	3.4	
	SE-F-G-6-7	2023-08-22	186004.90	2957898.36	1.3	11.0	9.5	4.1	
	SE-F-G-8	2023-08-23	186253.63	2957865.01	1.7	11.0	8.7	4.0	
	SE-F-G-8-9	2023-08-23	186396.11	2957897.00	2.1	10.0	9.0	4.2	
	SE-F-G-9-10	2023-08-22	186604.21	2957903.14	2.8	11.0	10.3	7.2	
	SE-G-5	2023-08-23	185696.93	2957796.26	3.0	10.5	6.3	7.3	
	SE-G-7	2023-08-23	186097.97	2957797.42	2.2	10.4	10.4	6.0	
	SE-G-H-1	2023-08-24	184921.09	2957714.55	2.1	10.0	8.0	2.9	
	SE-G-H-2-3	2023-08-24	185199.64	2957722.05	1.0	10.0	7.5	3.6	
	SE-G-H-4-5	2023-08-26	185615.50	2957681.13	0.8	11.5	10.5	5.0	
	SE-G-H-5-6	2023-08-26	185800.90	2957694.97	1.0	11.0	9.0	4.9	
	SE-G-H-6-7	2023-08-26	185997.86	2957698.32	1.0	10.0	7.3	6.3	
	SE-G-H-7-8	2023-08-26	186222.25	2957694.96	2.1	10.0	7.8	5.0	
	SE-G-H-8-9	2023-08-27	186400.12	2957699.52	3.7	12.0	7.0	7.5	
	SE-G-H-9-10	2023-08-23	186622.87	2957673.74	1.8	10.0	6.8	5.2	
	SE-H-1	2023-08-27	184960.70	2957548.66	3.4	11.0	7.5	4.0	
	SE-H-2	2023-08-28	185046.46	2957653.62	2.1	11.0	10.1	4.4	
	SE-H-3-4	2023-08-28	185418.30	2957651.42	1.3	11.0	9.3	4.2	
	SE-H-7-8	2023-08-28	186185.83	2957540.53	4.4	12.0	10.1	8.1	
	SE-H-8-9	2023-09-02	186439.30	2957543.43	8.7	6.0	3.3	0.0	Water depth is too deep to probe.
	SE-H-I-3	2023-08-26	185235.66	2957521.24	1.8	12.0	10.9	3.3	
	SE-H-I-3-4	2023-08-26	185402.30	2957504.68	1.9	12.0	10.5	4.1	
	SE-H-I-4-5	2023-08-27	185611.70	2957511.84	1.5	12.0	10.5	6.6	
	SE-H-I-5-6	2023-08-27	185798.38	2957509.23	1.7	11.0	7.0	6.1	
	SE-H-I-6-7	2023-08-27	186001.75	2957494.65	2.6	12.0	7.9	6.8	
	SE-H-I-9-10	2023-08-27	186589.03	2957495.06	3.8	11.0	6.0	5.1	
	SE-I-1-2	2023-09-13	184978.35	2957564.80	14.0	5.0	4.0		Water depth is too deep to probe.
	SE-I-3	2023-08-29	185290.79	2957391.64	2.6	11.0	9.1	3.5	
	SE-I-4	2023-08-29	185510.95	2957397.04	2.0	10.0	6.8	3.9	
	SE-I-6-7	2023-08-30	185973.68	2957332.23	3.5	10.0	5.5	8.4	
	SE-I-J-2	2023-08-28	185050.02	2957302.87	3.6	11.0	10.1	0.9	
	SE-I-J-2-3	2023-08-28	185222.97	2957302.50					Location abandoned
	SE-I-J-3-4	2023-08-28	185398.32	2957300.35	3.7	11.0	9.0	3.0	
	SE-I-J-4-5	2023-08-29	185616.88	2957295.97	2.8	10.0	9.5	4.0	
	SE-I-J-5-6	2023-08-29	185794.91	2957300.75	2.6	11.0	9.5	5.6	
	SE-I-J-7-8	2023-09-13	186202.27	2957299.26	15.6	6.0	3.0		Water depth is too deep to probe.
	SE-I-J-8-9	2023-09-13	186401.62	2957298.66	14.6	6.0	3.0		Water depth is too deep to probe.
	SE-I-J-9-10	2023-09-02	186614.22	2957282.87	2.9	10.5	7.8	7.3	
	SE-J-3-4	2023-09-01	185402.14	2957173.97	3.0	10.0	8.8	0.7	
	SE-J-5	2023-08-30	185693.17	2957200.87	3.5	10.0	6.5	5.0	
	SE-J-K-4-5	2023-08-30	185594.75	2957069.99	3.8	10.0	8.5	12.0	
	SE-J-K-5-6	2023-08-30	185799.55	2957101.58	4.3	10.0	5.0	12.0	
	SE-J-K-6-7	2023-09-12	185996.54	2957092.90	14.7	8.0	4.0		Water depth is too deep to probe.
	SE-J-K-7-8	2023-09-12	186200.43	2957097.48	16.4	7.5	4.0		Water depth is too deep to probe.
	SE-J-K-8-9	2023-09-12	186404.99	2957100.69	14.6	7.5	4.0		Water depth is too deep to probe.
	SE-J-K-9-10	2023-09-02	186620.19	2957108.62	3.7	10.0	5.8	6.0	

Table 1
Sediment Sampling Field Data

Zone	Location ID	Sample Date	Easting (feet)	Northing (feet)	Water Depth (feet)	Penetration (feet)	Recovery (feet)	Probe Depth (feet)	Notes
Woods Pond (cont.)	SE-K-5	2023-09-02	185755.39	2956950.79	4.6	9.0	8.3	8.3	
	SE-K-7	2023-09-13	186094.39	2956992.17	15.6	6.0	3.0		Water depth is too deep to probe.
	SE-K-L-5-6	2023-09-01	185781.18	2956881.51	4.9	10.0	8.9	4.4	
	SE-K-L-6-7	2023-09-12	185991.92	2956902.95	14.4	4.0	3.8		Water depth is too deep to probe.
	SE-K-L-7-8	2023-09-12	186203.74	2956900.27	14.6	6.0	3.0		Water depth is too deep to probe.
	SE-K-L-8-9	2023-09-02	186410.18	2956886.92	5.6	6.0	3.5	15.0	
	SE-K-L-9-10	2023-09-01	186646.78	2956881.41	1.9	11.0	9.3	1.1	
	SE-L-9	2023-08-31	186493.66	2956798.11	3.9	8.0	5.8	4.2	
	SE-L-9-10	2023-08-31	186580.77	2956747.49	2.7	10.0	8.8	7.5	
	SE-L-M-5-6	2023-09-01	185801.68	2956703.77	3.7	9.0	5.9	2.5	
	SE-L-M-6-7	2023-09-01	186003.53	2956696.76	5.3	8.0	4.3	6.7	
	SE-L-M-7-8	2023-08-31	186200.95	2956692.78	5.3	11.0	10.1	5.9	
	SE-L-M-8-9	2023-08-31	186397.91	2956697.60	3.5	11.0	6.5	5.1	
	SE-M-7	2023-08-31	186045.26	2956535.85	3.4	11.0	9.7	5.4	
	SE-M-7-8	2023-08-31	186198.90	2956588.78	3.6	11.0	6.9	6.3	
	SE-M-8	2023-08-31	186331.47	2956574.71	2.4	9.0	6.0	5.1	
	SE-M-N-7-8	2023-08-31	186187.23	2956492.47	2.6	11.0	8.7	5.5	
Outlet Channel	SE-574-00-C	2023-09-14	184844.77	2957195.85	13.0	6.0	4.0		Water depth is too deep to probe. Location abandoned.
	SE-574-00-E	2023-09-18	184887.29	2957178.27	4.9	7.0	6.0	7.0	
	SE-574-00-W	2023-09-14	184816.21	2957213.32					Location abandoned
	SE-576-52-C	2023-09-15	184732.11	2956974.21					Location abandoned
	SE-576-52-E	2023-09-15	184773.87	2956951.36	4.6	6.0	3.5	7.8	
	SE-576-52-W	2023-09-15	184695.94	2956999.05	3.3	6.0	3.7	5.8	
	SE-578-99-C	2023-09-15	184579.48	2956779.65					Location abandoned
	SE-578-99-E	2023-09-15	184634.21	2956774.54	5.5	5.5	3.5	8.0	
	SE-578-99-W	2023-09-15	184529.64	2956783.80	6.9	6.0	3.3		
	SE-581-51-C	2023-09-15	184529.14	2956536.55					Location abandoned
	SE-581-51-E	2023-09-15	184591.72	2956538.16	3.4	6.0	3.5		
	SE-581-51-W	2023-09-15	184471.99	2956542.39					Location abandoned

Notes:

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

NAD83: North American Datum of 1983

Table 2
Floodplain Sampling Field Data

Exposure Area	Location ID	Collection Date	Easting	Northing	Penetration Depth (in)	Recovery Depth (in)	Sample Interval	Soil Description
56	EA56-AA-5-6	10/09/23	185113.272	2959627.993	12	12	0–6 in	moist, root matter
56	EA56-AA-5-6	10/09/23	185113.272	2959627.993	12	12	6–12 in	moist, root matter
56	EA56A-AA-17	10/12/23	185672.150	2959606.925	12	12	0–6 in	dark brown, roots
56	EA56A-AA-17	10/12/23	185672.150	2959606.925	12	12	6–12 in	dark brown, roots
56	EA56A-AB-15	10/12/23	185578.353	2959572.192	12	12	0–6 in	dark brown, woody debris and roots
56	EA56A-AB-15	10/12/23	185578.353	2959572.192	12	12	6–12 in	brown, roots
56	EA56A-AB-8-9	10/11/23	185256.785	2959565.610	12	6	0–6 in	dark brown/gray, slight odor
56	EA56A-AC-10	10/12/23	185338.825	2959504.733	12	12	0–6 in	sheen and strong odor, dark brown, woody debris
56	EA56A-AC-10	10/12/23	185338.825	2959504.733	12	12	6–12 in	sheen and strong odor, dark brown, woody debris
56	EA56A-AC-13	10/12/23	185493.316	2959509.267	12	12	0–6 in	moist, woody debris, roots
56	EA56A-AC-13	10/12/23	185493.316	2959509.267	12	12	6–12 in	gleyed, roots
56	EA56A-AE-19	10/12/23	185774.541	2959425.041	12	12	6–12 in	sheen, dark brown, roots
56	EA56A-AF-18-19	10/12/23	185760.922	2959362.196	12	12	0–6 in	very moist, dark brown
56	EA56A-AF-18-19	10/12/23	185760.922	2959362.196	12	12	6–12 in	light brown
56	EA56A-AH-18-19	10/12/23	185765.731	2959265.378	12	12	0–6 in	very watery, woody debris
56	EA56A-AH-18-19	10/12/23	185765.731	2959265.378	12	12	6–12 in	slightly gleyed, very moist
56	EA56A-AJ-18-19	10/12/23	185741.252	2959161.044	12	12	0–6 in	moist, lots of roots, dark brown
56	EA56A-AJ-18-19	10/12/23	185741.252	2959161.044	12	12	6–12 in	dark brown
56	EA56A-AL-AM-18	10/12/23	185724.316	2959066.171	12	12	6–12 in	gleyed
56	EA56A-AN-17-18	10/12/23	185701.299	2958969.449	12	12	0–6 in	very wet, roots, woody debris
56	EA56A-AN-17-18	10/12/23	185701.299	2958969.449	12	12	6–12 in	very wet, roots, woody debris
56	EA56A-AP-17	10/12/23	185682.418	2958866.635	12	12	0–6 in	dark brown, roots
56	EA56A-AP-17	10/12/23	185682.418	2958866.635	12	12	6–12 in	dark brown
56	EA56A-AR-16-17	10/12/23	185652.060	2958767.559	12	12	0–6 in	watery, roots, dark brown
56	EA56A-AR-16-17	10/12/23	185652.060	2958767.559	12	12	6–12 in	watery, slightly gleyed
56	EA56A-AS-AT-15-16	10/12/23	185595.897	2958677.455	12	12	6–12 in	watery, gleyed, woody debris
56	EA56A-AV-15-16	10/12/23	185557.899	2958579.644	12	12	0–6 in	dark brown, roots, woody debris
56	EA56A-AV-15-16	10/12/23	185557.899	2958579.644	12	12	6–12 in	gleyed, roots
56	EA56A-AW-AX-14	10/13/23	185517.939	2958485.208	12	12	0–6 in	brown, roots
56	EA56A-AW-AX-14	10/13/23	185517.939	2958485.208	12	12	6–12 in	brown, roots
56	EA56A-AY-AZ-13-14	10/13/23	185500.616	2958394.834	12	12	0–6 in	dark brown, dry, roots
56	EA56A-AY-AZ-13-14	10/13/23	185500.616	2958394.834	12	12	6–12 in	dark brown, dry, roots
56	EA56-AB-23	09/26/23	185985.342	2959557.357	12	12	0–6 in	moist, medium brown
56	EA56-AB-23	09/26/23	185985.342	2959557.357	12	12	6–12 in	moist, medium brown
56	EA56-AB-AC-7	10/09/23	185177.216	2959550.470	12	12	0–6 in	moist, plant debris
56	EA56-AB-AC-7	10/09/23	185177.216	2959550.470	12	12	6–12 in	moist, plant debris
56	EA56A-BB-BC-10	10/13/23	185340.469	2958237.725	12	12	0–6 in	very moist, brown, roots
56	EA56A-BB-BC-10	10/13/23	185340.469	2958237.725	12	12	6–12 in	dark brown
56	EA56A-BB-BC-8-9	10/17/23	185248.185	2958247.254	12	12	0–6 in	rusty brown, moist
56	EA56A-BB-BC-8-9	10/17/23	185248.185	2958247.254	12	12	6–12 in	rusty brown, moist
56	EA56A-BC-10-11	10/13/23	185367.065	2958218.725	12	12	0–6 in	dark brown, roots
56	EA56A-BC-10-11	10/13/23	185367.065	2958218.725	12	12	6–12 in	chemical odor, sheen, roots
56	EA56A-BC-BD-13	10/13/23	185472.868	2958194.639	12	12	0–6 in	light brown, roots
56	EA56A-BC-BD-13	10/13/23	185472.868	2958194.639	12	12	6–12 in	gleyed, roots
56	EA56A-BD-6-7	10/13/23	185153.435	2958155.501	12	12	0–6 in	sheen, strong odor, gray
56	EA56A-BD-6-7	10/13/23	185153.435	2958155.501	12	12	6–12 in	sheen, strong odor, gleyed
56	EA56-AC-16-17	10/16/23	185655.236	2959508.837	12	12	0–6 in	dark brown, slight odor and sheen
56	EA56-AC-16-17	10/16/23	185655.236	2959508.837	12	12	6–12 in	gleyed, slight odor and sheen
56	EA56-AC-18-19	10/12/23	185752.885	2959523.582	12	12	0–6 in	moist, woody debris
56	EA56-AC-18-19	10/12/23	185752.885	2959523.582	12	12	6–12 in	dark brown, roots
56	EA56-AC-AD-10	10/12/23	185322.802	2959490.035	12	12	0–6 in	dark brown, roots, woody debris
56	EA56-AC-AD-10	10/12/23	185322.802	2959490.035	12	12	6–12 in	gleyed, slight sheen, roots
56	EA56-AC-AD-23	09/26/23	185980.856	2959492.355	12	12	0–6 in	moist, soft, dark brown
56	EA56-AC-AD-23	09/26/23	185980.856	2959492.355	12	12	6–12 in	moist, soft, dark brown
56	EA56-AD-12	10/12/23	185439.094	2959475.111	12	12	0–6 in	very watery, dark brown, woody debris
56	EA56-AD-12	10/12/23	185439.094	2959475.111	12	12	6–12 in	dark brown
56	EA56-AD-15	10/16/23	185577.332	2959457.497	12	12	0–6 in	watery, dark brown
56	EA56-AD-15	10/16/23	185577.332	2959457.497	12	12	6–12 in	brown/gray
56	EA56A-D-20	10/06/23	185834.990	2960757.232	12	12	0–6 in	very rooty, moist

Table 2
Floodplain Sampling Field Data

Exposure Area	Location ID	Collection Date	Easting	Northing	Penetration Depth (in)	Recovery Depth (in)	Sample Interval	Soil Description
56	EA56A-D-20	10/06/23	185834.990	2960757.232	12	12	6–12 in	very rooty, moist
56	EA56-AD-6	10/09/23	185135.499	2959467.425	12	12	0–6 in	roots, moist
56	EA56-AD-6	10/09/23	185135.499	2959467.425	12	12	6–12 in	moist
56	EA56-AE-13	10/16/23	185475.854	2959415.211	12	12	0–6 in	moist, gray
56	EA56-AE-13	10/16/23	185475.854	2959415.211	12	12	6–12 in	watery, gleyed
56	EA56-AE-17	10/16/23	185674.315	2959409.066	12	12	0–6 in	dark brown, moist
56	EA56-AE-17	10/16/23	185674.315	2959409.066	12	12	6–12 in	dark brown
56	EA56-AE-AF-10-11	10/16/23	185335.515	2959391.246	12	12	0–6 in	dark brown, roots, moist
56	EA56-AE-AF-10-11	10/16/23	185335.515	2959391.246	12	12	6–12 in	dark brown, moist, roots
56	EA56-AF-22	09/26/23	185930.415	2959356.721	12	12	0–6 in	very moist, brown
56	EA56-AF-22	09/26/23	185930.415	2959356.721	12	12	6–12 in	very moist, brown, rooty
56	EA56-AF-8	10/06/23	185220.350	2959357.333	12	12	0–6 in	moist, sheen
56	EA56-AF-8	10/06/23	185220.350	2959357.333	12	12	6–12 in	moist, sheen
56	EA56-AF-AG-16	10/17/23	185592.267	2959339.718	12	12	0–6 in	gleyed, some roots
56	EA56-AF-AG-16	10/17/23	185592.267	2959339.718	12	12	6–12 in	gleyed, some roots
56	EA56-AG-12	10/17/23	185436.793	2959320.123	12	12	0–6 in	gleyed, sand
56	EA56-AG-12	10/17/23	185436.793	2959320.123	12	12	6–12 in	gleyed, sand
56	EA56-AG-17	10/16/23	185659.470	2959305.241	12	12	0–6 in	dark brown, moist
56	EA56-AG-17	10/16/23	185659.470	2959305.241	12	12	6–12 in	dark brown, moist
56	EA56-AG-6	10/06/23	185131.984	2959315.984	12	12	6–12 in	light/rust brown
56	EA56-AG-AH-22	09/26/23	185913.359	2959297.379	12	12	0–6 in	dark brown, some roots
56	EA56-AG-AH-22	09/26/23	185913.359	2959297.379	12	12	6–12 in	dark brown, some roots
56	EA56-AH-14-15	10/17/23	185542.288	2959267.557	12	12	0–6 in	inundated, woody debris
56	EA56-AH-14-15	10/17/23	185542.288	2959267.557	12	12	6–12 in	inundated, woody debris
56	EA56-AI-16	10/16/23	185650.610	2959217.791	12	12	0–6 in	dark brown, moist
56	EA56-AI-16	10/16/23	185650.610	2959217.791	12	12	6–12 in	gleyed, dry
56	EA56-AI-AJ-12-13	10/17/23	185444.178	2959203.619	12	12	0–6 in	woody debris, brown
56	EA56-AI-AJ-12-13	10/17/23	185444.178	2959203.619	12	12	6–12 in	woody debris, brown
56	EA56-AI-AJ-8	10/06/23	185228.571	2959190.090	12	12	0–6 in	very rooty
56	EA56-AI-AJ-8	10/06/23	185228.571	2959190.090	12	12	6–12 in	very rooty, moist
56	EA56-AK-13-14	10/17/23	185497.203	2959117.117	12	12	0–6 in	brown, roots
56	EA56-AK-13-14	10/17/23	185497.203	2959117.117	12	12	6–12 in	brown, roots
56	EA56-AK-16	10/16/23	185619.808	2959127.945	12	12	0–6 in	moist, dark brown
56	EA56-AK-16	10/16/23	185619.808	2959127.945	12	12	6–12 in	gleyed
56	EA56-AL-AM-12-13	10/17/23	185454.902	2959031.415	12	12	6–12 in	gleyed, roots
56	EA56-AM-15-16	10/16/23	185586.602	2959017.903	12	12	0–6 in	moist, dark brown
56	EA56-AM-15-16	10/16/23	185586.602	2959017.903	12	12	6–12 in	moist, gleyed
56	EA56-AM-9	10/06/23	185285.668	2959018.624	12	12	6–12 in	moist, roots
56	EA56-AO-13	10/17/23	185474.375	2958936.338	12	12	0–6 in	some roots, brown
56	EA56-AO-13	10/17/23	185474.375	2958936.338	12	12	6–12 in	some roots, brown
56	EA56A-O-14	10/11/23	185522.882	2960206.203	12	12	0–6 in	slight sheen and odor, dark brown, roots
56	EA56A-O-14	10/11/23	185522.882	2960206.203	12	12	6–12 in	strong sheen and very strong odor, roots
56	EA56-AO-15	10/16/23	185581.753	2958912.599	12	12	0–6 in	moist, dark brown
56	EA56-AO-15	10/16/23	185581.753	2958912.599	12	12	6–12 in	gleyed, moist
56	EA56A-O-P-9	10/11/23	185270.963	2960197.852	12	12	0–6 in	woody debris, roots
56	EA56A-O-P-9	10/11/23	185270.963	2960197.852	12	12	6–12 in	woody debris, roots
56	EA56-AP-10	10/17/23	185335.805	2958861.201	12	12	0–6 in	moist, dark brown
56	EA56-AP-10	10/17/23	185335.805	2958861.201	12	12	6–12 in	moist, dark brown
56	EA56A-P-11	10/11/23	185370.852	2960178.000	12	12	0–6 in	woody debris, roots, dark brown
56	EA56A-P-11	10/11/23	185370.852	2960178.000	12	12	6–12 in	gleyed, roots
56	EA56-AP-11-12	10/17/23	185412.208	2958862.064	12	12	0–6 in	brown
56	EA56-AP-11-12	10/17/23	185412.208	2958862.064	12	12	6–12 in	gleyed
56	EA56-AP-AQ-30-31	09/27/23	186348.786	2958844.985	12	12	0–6 in	dark brown, moist
56	EA56-AP-AQ-30-31	09/27/23	186348.786	2958844.985	12	12	6–12 in	dark brown, moist
56	EA56-AQ-14	10/16/23	185532.671	2958825.778	12	12	0–6 in	dark brown,
56	EA56-AQ-14	10/16/23	185532.671	2958825.778	12	12	6–12 in	gleyed
56	EA56A-Q-15-16	10/11/23	185599.177	2960107.974	12	12	0–6 in	strong odor and sheen, dark gray
56	EA56A-Q-15-16	10/11/23	185599.177	2960107.974	12	12	6–12 in	strong odor and sheen, dark gray
56	EA56A-Q-17	10/10/23	185671.728	2960114.658	12	12	0–6 in	dry, dark brown

Table 2
Floodplain Sampling Field Data

Exposure Area	Location ID	Collection Date	Easting	Northing	Penetration Depth (in)	Recovery Depth (in)	Sample Interval	Soil Description
56	EA56A-Q-17	10/10/23	185671.728	2960114.658	12	12	6–12 in	dry, dark brown
56	EA56-AQ-32-33	09/27/23	186446.364	2958830.024	12	12	0–6 in	dark brown, roots, moist
56	EA56-AQ-32-33	09/27/23	186446.364	2958830.024	12	12	6–12 in	dark brown, roots, moist
56	EA56-AQ-34-35	09/27/23	186555.386	2958818.249	12	12	0–6 in	dark brown, moist
56	EA56-AQ-34-35	09/27/23	186555.386	2958818.249	12	12	6–12 in	dark brown, moist
56	EA56A-Q-7-8	10/11/23	185208.356	2960120.598	12	12	0–6 in	watery, dark brown
56	EA56A-Q-7-8	10/11/23	185208.356	2960120.598	12	12	6–12 in	gleyed, light brown/gray
56	EA56-AQ-AR-29-30	09/27/23	186299.627	2958793.968	12	12	0–6 in	rooty, medium brown, dry
56	EA56-AQ-AR-29-30	09/27/23	186299.627	2958793.968	12	12	6–12 in	rooty, medium brown, dry
56	EA56-AR-11	10/17/23	185375.836	2958760.000	12	12	0–6 in	wet, some roots
56	EA56-AR-11	10/17/23	185375.836	2958760.000	12	12	6–12 in	wet, some roots
56	EA56-AR-27-28	10/02/23	186196.094	2958760.139	12	12	0–6 in	very rooty, moist
56	EA56-AR-27-28	10/02/23	186196.094	2958760.139	12	12	6–12 in	very rooty, dark brown
56	EA56-AR-30-31	10/02/23	186352.613	2958769.131	12	12	6–12 in	dark brown, moist, rooty
56	EA56-AR-AS-7-8	10/06/23	185206.983	2958756.174	12	12	0–6 in	rust brown, dry
56	EA56-AR-AS-7-8	10/06/23	185206.983	2958756.174	12	12	6–12 in	rust brown, dry
56	EA56-AS-13	10/16/23	185480.871	2958717.212	12	12	0–6 in	sheen, odor, dark brown, roots
56	EA56-AS-13	10/16/23	185480.871	2958717.212	12	12	6–12 in	gleyed, odor
56	EA56A-S-17	10/11/23	185689.714	2960010.733	12	12	0–6 in	strong sheen and odor, roots, dark gray
56	EA56A-S-17	10/11/23	185689.714	2960010.733	12	12	6–12 in	strong sheen and odor, dark gray, roots
56	EA56A-S-18	10/10/23	185737.812	2960023.104	12	12	0–6 in	dark brown, dry , roots
56	EA56A-S-18	10/10/23	185737.812	2960023.104	12	12	6–12 in	dark brown, dry, rots
56	EA56-AS-28	10/02/23	186243.498	2958733.152	12	12	0–6 in	dark brown
56	EA56-AS-28	10/02/23	186243.498	2958733.152	12	12	6–12 in	dark brown, wet
56	EA56-AS-34	09/27/23	186522.725	2958714.630	12	12	0–6 in	dark brown, very soft, moist
56	EA56-AS-34	09/27/23	186522.725	2958714.630	12	12	6–12 in	dark brown, very soft, moist
56	EA56A-S-7-8	10/11/23	185204.444	2960029.371	12	12	0–6 in	very watery, dark brown
56	EA56A-S-7-8	10/11/23	185204.444	2960029.371	12	12	6–12 in	slight sheen and odor, light gray
56	EA56-AS-AT-26	10/02/23	186131.798	2958685.719	12	12	6–12 in	dark brown, slightly moist
56	EA56-AT-AU-26-27	10/02/23	186156.704	2958638.534	12	12	0–6 in	dark brown
56	EA56-AT-AU-26-27	10/02/23	186156.704	2958638.534	12	12	6–12 in	dark brown
56	EA56-AU-13	10/16/23	185468.548	2958616.289	12	12	0–6 in	dark brown, slight odor and sheen
56	EA56-AU-13	10/16/23	185468.548	2958616.289	12	12	6–12 in	gleyed
56	EA56A-U-19-20	10/11/23	185813.495	2959928.814	12	12	0–6 in	dark brown, roots, slight sheen
56	EA56A-U-19-20	10/11/23	185813.495	2959928.814	12	12	6–12 in	strong odor and sheen, light brown/gray
56	EA56-AU-AV-25	10/02/23	186089.718	2958597.177	12	12	0–6 in	dark brown, moist
56	EA56-AU-AV-25	10/02/23	186089.718	2958597.177	12	12	6–12 in	dark brown, moist, rooty
56	EA56-AV-25	10/02/23	186065.842	2958578.074	12	12	6–12 in	dark brown, rooty
56	EA56-AV-26-27	09/26/23	186154.054	2958405.472	12	12	0–6 in	dark gray/brown, very rooty
56	EA56-AV-26-27	09/26/23	186154.054	2958405.472	12	12	6–12 in	very watery, dark brown,
56	EA56-AV-AW-11-12	10/16/23	185410.937	2958534.131	12	12	0–6 in	dark brown, dry
56	EA56-AV-AW-11-12	10/16/23	185410.937	2958534.131	12	12	6–12 in	brown, dry
56	EA56-AV-AW-9	10/05/23	185274.941	2958548.122	12	12	0–6 in	rust brown
56	EA56-AV-AW-9	10/05/23	185274.941	2958548.122	12	12	6–12 in	rust brown
56	EA56-AW-25	10/02/23	186058.595	2958512.332	12	12	0–6 in	medium brown, watery
56	EA56-AW-25	10/02/23	186058.595	2958512.332	12	12	6–12 in	medium brown, watery
56	EA56-AW-26-27	09/26/23	186166.716	2958533.000	12	12	0–6 in	used core tube grab for this sample, dark brown, very watery
56	EA56-AW-26-27	09/26/23	186166.716	2958533.000	12	12	6–12 in	used core tube grab for this sample, dark brown, very watery
56	EA56-AW-AX-12-13	10/16/23	185451.530	2958488.598	12	12	6–12 in	dark brown, sheen, odor
56	EA56-AX-20	09/26/23	185836.430	2958458.308	12	12	0–6 in	dark brown
56	EA56-AX-20	09/26/23	185836.430	2958458.308	12	12	6–12 in	dark brown, some roots
56	EA56A-X-23	09/26/23	185990.668	2959756.494	12	12	0–6 in	dark brown
56	EA56A-X-23	09/26/23	185990.668	2959756.494	12	12	6–12 in	
56	EA56A-X-Y-7-8	10/11/23	185205.476	2959735.181	12	12	0–6 in	dark brown, slight sheen
56	EA56A-X-Y-7-8	10/11/23	185205.476	2959735.181	12	12	6–12 in	gleyed, slight sheen
56	EA56-AY-10	10/17/23	185319.790	2958408.850	12	12	0–6 in	dark brown
56	EA56-AY-10	10/17/23	185319.790	2958408.850	12	12	6–12 in	dark brown/gray
56	EA56-AY-AZ-12	10/16/23	185439.809	2958402.024	12	12	6–12 in	dry, dark brown
56	EA56-AY-AZ-18-19	09/26/23	185756.350	2958386.835	12	12	0–6 in	rooty, brown

Table 2
Floodplain Sampling Field Data

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56	EA56-AY-AZ-18-19	09/26/23	185756.350	2958386.835	12	12	6–12 in	rooty, brown
56	EA56-AY-AZ-25	10/02/23	186067.607	2958432.176	12	12	0–6 in	rooty, moist
56	EA56-AY-AZ-25	10/02/23	186067.607	2958432.176	12	12	6–12 in	rooty moist
56	EA56-AZ-25-26	09/26/23	186100.270	2958356.391	12	12	0–6 in	dark brown, wet, roots
56	EA56-AZ-25-26	09/26/23	186100.270	2958356.391	12	12	6–12 in	dark brown, wet, roots
56	EA56A-Z-AA-8	10/11/23	185218.783	2959636.784	12	12	0–6 in	gleyed
56	EA56A-Z-AA-8	10/11/23	185218.783	2959636.784	12	12	6–12 in	watery, gleyed
56	EA56-AZ-BA-7-8	10/09/23	185199.970	2958336.927	12	12	0–6 in	dry, rust brown
56	EA56-AZ-BA-7-8	10/09/23	185199.970	2958336.927	12	12	6–12 in	dry, rust brown
56	EA56-BA-11	10/16/23	185376.418	2958324.201	12	12	0–6 in	dark brown, watery, woody debris
56	EA56-BA-11	10/16/23	185376.418	2958324.201	12	12	6–12 in	dark brown, moist, woody debris
56	EA56-BA-13	10/13/23	185475.205	2958306.055	12	12	0–6 in	brown, roots
56	EA56-BA-13	10/13/23	185475.205	2958306.055	12	12	6–12 in	slightly gleyed
56	EA56-BA-21-22	09/26/23	185904.563	2958319.559	12	12	0–6 in	rooty, moist
56	EA56-BA-21-22	09/26/23	185904.563	2958319.559	12	12	6–12 in	roots, moist, brown
56	EA56-BA-25-26	09/26/23	186099.395	2958314.321	12	12	0–6 in	dry, brown, rooty
56	EA56-BA-25-26	09/26/23	186099.395	2958314.321	12	12	6–12 in	dry, brown, rooty
56	EA56-BA-BB-12	10/13/23	185429.978	2958297.257	12	12	6–12 in	dark brown, roots
56	EA56-BB-20	09/26/23	185816.758	2958255.881	12	12	6–12 in	muddy, rooty
56	EA56-BB-BC-6-7	10/13/23	185157.800	2958241.571	12	12	0–6 in	moist, dark brown
56	EA56-BB-BC-6-7	10/13/23	185157.800	2958241.571	12	12	6–12 in	moist, dark brown
56	EA56-B-C-20-21	10/06/23	185851.919	2960827.383	12	12	0–6 in	moist, dark brown
56	EA56-B-C-20-21	10/06/23	185851.919	2960827.383	12	12	6–12 in	moist, dark brown
56	EA56-BC-25	09/26/23	186075.945	2958228.558	12	12	6–12 in	dark brown roots
56	EA56-B-C-3-4	10/09/23	184994.804	2960837.792	12	12	0–6 in	light brown, dry
56	EA56-B-C-3-4	10/09/23	184994.804	2960837.792	12	12	6–12 in	light brown, dry
56	EA56-BD-18	09/26/23	185720.543	2958206.648	12	12	0–6 in	brown, very rooty
56	EA56-BD-18	09/26/23	185720.543	2958206.648	12	12	6–12 in	brown, rooty
56	EA56-BD-5	10/13/23	185069.779	2958164.579	12	12	0–6 in	dry, dark brown, roots
56	EA56-BD-5	10/13/23	185069.779	2958164.579	12	12	6–12 in	medium brown, dry
56	EA56-BE-4-5	10/13/23	185049.006	2958107.388	12	12	0–6 in	very watery, light brown
56	EA56-BE-4-5	10/13/23	185049.006	2958107.388	12	12	6–12 in	strong sheen and odor, slightly gleyed
56	EA56-BE-BF-3	10/13/23	184987.726	2958086.152	12	12	0–6 in	light brown
56	EA56-BE-BF-3	10/13/23	184987.726	2958086.152	12	12	6–12 in	light brown, dry
56	EA56-BG-28	10/04/23	186227.038	2958017.094	12	12	0–6 in	gleyed, plant debris
56	EA56-BG-28	10/04/23	186227.038	2958017.094	12	12	6–12 in	gleyed, plant debris
56	EA56-BI-27-28	10/04/23	186227.038	2957915.647	12	12	0–6 in	very watery, gleyed, plant debris
56	EA56-BI-27-28	10/04/23	186227.038	2957915.647	12	12	6–12 in	gleyed, plant debris
56	EA56-C-6	10/06/23	185124.296	2960807.660	12	12	0–6 in	moist, dark brown and gray
56	EA56-C-6	10/06/23	185124.296	2960807.660	12	12	6–12 in	moist, dark brown and gray
56	EA56-D-4	10/09/23	185028.029	2960750.536	12	12	0–6 in	wet, dark brown
56	EA56-D-4	10/09/23	185028.029	2960750.536	12	12	6–12 in	wet, dark brown
56	EA56-E-6	10/10/23	185142.692	2960709.438	12	12	0–6 in	roots, moist. dark brown
56	EA56-E-6	10/10/23	185142.692	2960709.438	12	12	6–12 in	
56	EA56-F-4-5	10/09/23	185037.425	2960654.332	12	12	0–6 in	medium-light brown, wet
56	EA56-F-4-5	10/09/23	185037.425	2960654.332	12	12	6–12 in	rust-medium brown
56	EA56-G-H-7	10/11/23	185174.138	2960597.431	12	12	0–6 in	moist, dark brown , roots
56	EA56-G-H-7	10/11/23	185174.138	2960597.431	12	12	6–12 in	moist, dark brown, roots
56	EA56-H-I-5	10/09/23	185073.323	2960550.105	12	12	0–6 in	wet, plant debris, dark brown
56	EA56-H-I-5	10/09/23	185073.323	2960550.105	12	12	6–12 in	wet, plant debris, dark brown
56	EA56-I-J-8	10/10/23	185221.055	2960501.165	12	12	0–6 in	moist, roots, dark brown
56	EA56-I-J-8	10/10/23	185221.055	2960501.165	12	12	6–12 in	moist, roots, dark gray
56	EA56-J-K-10	10/10/23	185324.374	2960446.009	12	12	0–6 in	moist, dark brown
56	EA56-J-K-10	10/10/23	185324.374	2960446.009	12	12	6–12 in	moist, dark brown
56	EA56-J-K-5-6	10/09/23	185088.420	2960439.876	12	12	0–6 in	plant debris, very wet
56	EA56-J-K-5-6	10/09/23	185088.420	2960439.876	12	12	6–12 in	plant debris, very wet
56	EA56-K-12	10/10/23	185430.166	2960417.092	12	12	0–6 in	moist, dark brown, roots
56	EA56-K-12	10/10/23	185430.166	2960417.092	12	12	6–12 in	moist, gleyed
56	EA56-K-L-7-8	10/10/23	185213.140	2960400.853	12	12	6–12 in	moist, roots

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Floodplain Sampling Field Data

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56	EA56-L-6	10/09/23	185120.844	2960356.613	12	12	0–6 in	wet, gravel, organic debris
56	EA56-L-6	10/09/23	185120.844	2960356.613	12	12	6–12 in	
56	EA56-L-M-10	10/11/23	185324.602	2960342.160	12	12	0–6 in	watery, dark brown, roots
56	EA56-L-M-10	10/11/23	185324.602	2960342.160	12	12	6–12 in	gleyed
56	EA56-M-N-10	10/11/23	185324.065	2960281.442	12	12	0–6 in	dark brown/black, roots
56	EA56-M-N-10	10/11/23	185324.065	2960281.442	12	12	6–12 in	dark brown/black, roots
56	EA56-M-N-7-8	10/10/23	185196.435	2960294.980	12	12	0–6 in	dark brown, very moist, mostly roots
56	EA56-M-N-7-8	10/10/23	185196.435	2960294.980	12	12	6–12 in	dark brown, very moist, mostly roots
56	EA56-N-14	10/10/23	185529.983	2960264.102	12	12	0–6 in	dry, dark brown, roots
56	EA56-N-14	10/10/23	185529.983	2960264.102	12	12	6–12 in	dry, dark brown, roots
56	EA56-N-O-11-12	10/11/23	185410.466	2960245.573	12	12	0–6 in	slight sheen, roots
56	EA56-N-O-11-12	10/11/23	185410.466	2960245.573	12	12	6–12 in	light brown, slight sheen
56	EA56-O-P-16	10/10/23	185632.440	2960190.539	12	12	6–12 in	dry, dark brown
56	EA56-O-P-4-5	10/09/23	185052.567	2960181.333	12	12	0–6 in	rocky and wet area
56	EA56-O-P-4-5	10/09/23	185052.567	2960181.333	12	12	6–12 in	rocky and wet area
56	EA56-P-6	10/11/23	185144.776	2960180.894	12	12	0–6 in	woody debris, plant debris
56	EA56-P-6	10/11/23	185144.776	2960180.894	12	12	6–12 in	woody debris, plants
56	EA56-Q-R-6-7	10/11/23	185109.570	2960101.199	12	12	0–6 in	very watery, roots, dark brown
56	EA56-Q-R-6-7	10/11/23	185109.570	2960101.199	12	12	6–12 in	dark brown, watery, roots
56	EA56-Q-R-9-10	10/11/23	185296.337	2960097.310	12	6	0–6 in	sheen and odor, gleyed, roots
56	EA56-R-4-5	10/09/23	185058.093	2960072.098	12	12	0–6 in	dark brown, very wet
56	EA56-R-4-5	10/09/23	185058.093	2960072.098	12	12	6–12 in	dark brown, very wet
56	EA56-S-6-7	10/11/23	185162.051	2960015.935	12	12	0–6 in	very water, dark brown
56	EA56-S-6-7	10/11/23	185162.051	2960015.935	12	12	6–12 in	watery, dark brown
56	EA56-T-5	10/09/23	185070.464	2959957.368	12	12	0–6 in	very wet and rocky
56	EA56-T-5	10/09/23	185070.464	2959957.368	12	12	6–12 in	very wet and rocky
56	EA56-T-U-20	10/10/23	185831.435	2959945.957	12	12	0–6 in	dry, medium brown
56	EA56-T-U-20	10/10/23	185831.435	2959945.957	12	12	6–12 in	dry, medium brown
56	EA56-U-6-7	10/11/23	185158.995	2959924.626	12	12	0–6 in	dark brown, woody debris, slight sheen
56	EA56-U-6-7	10/11/23	185158.995	2959924.626	12	12	6–12 in	slight sheen, light brown
56	EA56-V-W-22	09/26/23	185945.990	2959836.131	12	12	6–12 in	dark brown, some roots
56	EA56-V-W-5	10/09/23	185071.904	2959846.474	12	12	0–6 in	slight sheen, very wet area, plant debris
56	EA56-V-W-5	10/09/23	185071.904	2959846.474	12	12	6–12 in	slight sheen, very rocky area, plant debris
56	EA56-V-W-6	10/11/23	185129.321	2959838.347	12	12	0–6 in	
56	EA56-V-W-6	10/11/23	185129.321	2959838.347	12	12	6–12 in	dark brown, slight sheen and odor
56	EA56-W-X-6	10/11/23	185117.900	2959800.833	12	12	0–6 in	watery, dark brown
56	EA56-W-X-6	10/11/23	185117.900	2959800.833	12	12	6–12 in	watery, dark gray
56	EA56-Y-5-6	10/09/23	185094.608	2959724.568	12	12	0–6 in	slight sheen, roots
56	EA56-Y-5-6	10/09/23	185094.608	2959724.568	12	12	6–12 in	slight sheen, roots
56	EA56-Y-Z-7	10/11/23	185164.678	2959690.246	12	12	0–6 in	dark brown, slight sheen and odor
56	EA56-Y-Z-7	10/11/23	185164.678	2959690.246	12	12	6–12 in	light brown
57	EA57-AA-15-16	09/28/23	186656.117	2958706.751	12	12	0–6 in	light brown, dry
57	EA57-AA-15-16	09/28/23	186656.117	2958706.751	12	12	6–12 in	light brown, dry
57	EA57-AB-1-2	09/27/23	185963.576	2958677.049	12	12	0–6 in	very soft sediment-like, moist
57	EA57-AB-1-2	09/27/23	185963.576	2958677.049	12	12	6–12 in	very soft sediment-like, moist
57	EA57-AC-15	09/28/23	186618.635	2958605.115	12	12	0–6 in	light brown, dry,
57	EA57-AC-15	09/28/23	186618.635	2958605.115	12	12	6–12 in	light brown, dry
57	EA57-AE-15-16	09/28/23	186641.607	2958512.868	12	12	0–6 in	dark brown, dry, some root
57	EA57-AE-15-16	09/28/23	186641.607	2958512.868	12	12	6–12 in	dark brown, dry, some root
57	EA57-AF-14	10/02/23	186578.368	2958463.173	12	12	0–6 in	dark brown, some roots
57	EA57-AF-14	10/02/23	186578.368	2958463.173	12	12	6–12 in	gleyed, some roots
57	EA57-AG-12-13	10/02/23	186498.481	2958408.522	12	12	0–6 in	dark brown, moist
57	EA57-AG-12-13	10/02/23	186498.481	2958408.522	12	12	6–12 in	dark brown, moist
57	EA57-AG-15-16	09/28/23	186667.607	2958407.093	12	12	0–6 in	clay , dark brown
57	EA57-AG-15-16	09/28/23	186667.607	2958407.093	12	12	6–12 in	dark brown
57	EA57-AH-14	10/02/23	186583.514	2958354.184	12	12	0–6 in	dark brown, roots
57	EA57-AH-14	10/02/23	186583.514	2958354.184	12	12	6–12 in	dark brown, wet, roots
57	EA57-AH-AI-11	10/02/23	186427.501	2958348.487	12	12	6–12 in	dark brown, soft
57	EA57-AI-16	09/28/23	186669.253	2958312.787	12	12	6–12 in	light brown, some roots

Table 2
Floodplain Sampling Field Data

Exposure Area	Location ID	Collection Date	Easting	Northing	Penetration Depth (in)	Recovery Depth (in)	Sample Interval	Soil Description
57	EA57-AI-AJ-11	10/02/23	186421.736	2958293.143	12	12	0–6 in	dark brown, watery, roots
57	EA57-AI-AJ-11	10/02/23	186421.736	2958293.143	12	12	6–12 in	
57	EA57-AI-AJ-12-13	10/04/23	186502.472	2958301.552	12	12	0–6 in	dark brown, rooty
57	EA57-AI-AJ-12-13	10/04/23	186502.472	2958301.552	12	12	6–12 in	dark brown, rooty
57	EA57-AJ-14	10/04/23	186586.983	2958258.610	12	12	6–12 in	roots, dark brown
57	EA57-AJ-16	09/28/23	186693.799	2958254.446	12	12	0–6 in	dark brown, some roots, very rocky, 5 attempts
57	EA57-AJ-16	09/28/23	186693.799	2958254.446	12	12	6–12 in	dark brown, very rocky, 5 attempts, some roots
57	EA57-AJ-AK-13-14	10/04/23	186549.619	2958233.113	12	12	0–6 in	several attempts, very moist
57	EA57-AJ-AK-13-14	10/04/23	186549.619	2958233.113	12	12	6–12 in	dark brown, very moist
57	EA57-AK-11	10/02/23	186420.194	2958210.783	12	12	0–6 in	brown, moist, roots
57	EA57-AK-11	10/02/23	186420.194	2958210.783	12	12	6–12 in	brown, moist, roots
57	EA57-AK-12	10/04/23	186478.323	2958205.130	12	12	0–6 in	moist, plant debris
57	EA57-AK-12	10/04/23	186478.323	2958205.130	12	12	6–12 in	moist, plant debris
57	EA57-AK-AL-15-16	09/28/23	186650.859	2958192.856	12	12	0–6 in	dark brown, vernal pool, wet
57	EA57-AK-AL-15-16	09/28/23	186650.859	2958192.856	12	12	6–12 in	dark brown, vernal pool, wet
57	EA57-AL-14	10/02/23	186580.483	2958155.320	12	12	0–6 in	very moist, dark brown
57	EA57-AL-14	10/02/23	186580.483	2958155.320	12	12	6–12 in	very moist, dark brown
57	EA57-AL-17-18	09/28/23	186767.181	2958162.356	12	12	0–6 in	dark brown, some roots, dry
57	EA57-AL-17-18	09/28/23	186767.181	2958162.356	12	12	6–12 in	dark brown, some roots, dry
57	EA57-AL-AM-11	10/02/23	186417.484	2958137.301	12	12	0–6 in	dark brown, roots
57	EA57-AL-AM-11	10/02/23	186417.484	2958137.301	12	12	6–12 in	dark brown, roots
57	EA57-AL-AM-12	10/02/23	186486.832	2958138.471	12	12	6–12 in	very moist, dark brown
57	EA57-AL-AM-17	10/04/23	186715.042	2958130.687	12	12	0–6 in	very moist, plant matter
57	EA57-AL-AM-17	10/04/23	186715.042	2958130.687	12	12	6–12 in	very moist, plant matter
57	EA57-AM-10-11	10/02/23	186414.255	2958112.589	12	12	0–6 in	brown, moist,
57	EA57-AM-10-11	10/02/23	186414.255	2958112.589	12	12	6–12 in	brown, moist
57	EA57-AM-AN-15	10/02/23	186643.625	2958089.924	12	12	0–6 in	Dark brown/gray, moist, some roots
57	EA57-AM-AN-15	10/02/23	186643.625	2958089.924	12	12	6–12 in	dark gray, moist, some roots
57	EA57-AM-AN-17	10/04/23	186737.326	2958095.322	12	12	0–6 in	very moist, plant matter
57	EA57-AM-AN-17	10/04/23	186737.326	2958095.322	12	12	6–12 in	very moist, plant mater
57	EA57-AN-17	10/04/23	186737.420	2958062.380	12	12	0–6 in	very moist, rooty
57	EA57-AN-17	10/04/23	186737.420	2958062.380	12	12	6–12 in	very moist, roots
57	EA57-AN-18-19	09/25/23	186809.664	2958064.487	12	12	0–6 in	light brown, roots
57	EA57-AN-18-19	09/25/23	186809.664	2958064.487	12	12	6–12 in	light brown, roots
57	EA57-AO-16-17	09/25/23	186705.960	2958025.050	12	12	6–12 in	dark brown, wet,
57	EA57-AP-19	09/25/23	186821.922	2957956.811	12	12	0–6 in	dark brown, very wet areas
57	EA57-AP-19	09/25/23	186821.922	2957956.811	12	12	6–12 in	
57	EA57-AP-AQ-17	09/25/23	186731.384	2957932.669	12	12	0–6 in	dark brown, moderate plasticity
57	EA57-AP-AQ-17	09/25/23	186731.384	2957932.669	12	12	6–12 in	dark brown, moist
57	EA57-AR-18	09/25/23	186778.694	2957860.601	12	12	6–12 in	dark brown, high plasticity
57	EA57-AS-17-18	09/25/23	186751.406	2957828.543	12	12	0–6 in	dark brown almost black
57	EA57-AS-17-18	09/25/23	186751.406	2957828.543	12	12	6–12 in	dark brown
57	EA57-AT-18	09/25/23	186773.567	2957770.170	12	12	0–6 in	dark brown, roots
57	EA57-AT-18	09/25/23	186773.567	2957770.170	12	12	6–12 in	dark brown, high plasticity, roots
57	EA57-AU-17	09/25/23	186719.856	2957721.242	12	12	0–6 in	dark-medium brown, moderate plasticity
57	EA57-AU-17	09/25/23	186719.856	2957721.242	12	12	6–12 in	dark brown, moderately plastic
57	EA57-AV-17	09/22/23	186744.004	2957677.960	12	12	6–12 in	dark brown, root matter
57	EA57-AW-17	09/22/23	186740.581	2957610.807	12	12	0–6 in	dark brown, some roots
57	EA57-AW-17	09/22/23	186740.581	2957610.807	12	12	6–12 in	dark brown, some roots
57	EA57-AY-16	09/22/23	186692.541	2957526.869	12	12	0–6 in	dark brown, moist
57	EA57-AY-16	09/22/23	186692.541	2957526.869	12	12	6–12 in	dark brown, moist
57	EA57-BA-16	09/22/23	186670.661	2957420.431	12	12	0–6 in	dark brown
57	EA57-BA-16	09/22/23	186670.661	2957420.431	12	12	6–12 in	dark brown
57	EA57-B-C-5	10/04/23	186140.443	2959945.049	12	12	0–6 in	slight sheen and strong chemical smell, very moist
57	EA57-B-C-5	10/04/23	186140.443	2959945.049	12	12	6–12 in	slight sheen and strong chemical smell, very moist
57	EA57-B-C-6-7	10/04/23	186212.676	2959943.823	12	12	0–6 in	very moist, plant debris
57	EA57-B-C-6-7	10/04/23	186212.676	2959943.823	12	12	6–12 in	very moist, plant debris
57	EA57-B-C-9-10	10/05/23	186353.021	2959945.258	12	12	0–6 in	rust brown, gritty, dry
57	EA57-B-C-9-10	10/05/23	186353.021	2959945.258	12	12	6–12 in	rust brown, gritty, dry

Table 2
Floodplain Sampling Field Data

Exposure Area	Location ID	Collection Date	Easting	Northing	Penetration Depth (in)	Recovery Depth (in)	Sample Interval	Soil Description
57	EA57-BC-BD-16-17	09/22/23	186712.021	2957301.992	12	12	0–6 in	dark brown, plant debris
57	EA57-BC-BD-16-17	09/22/23	186712.021	2957301.992	12	12	6–12 in	dark brown, plant debris
57	EA57-BF-BG-17	09/22/23	186732.893	2957148.851	12	12	0–6 in	dark brown
57	EA57-BF-BG-17	09/22/23	186732.893	2957148.851	12	12	6–12 in	dark brown
57	EA57-BI-BJ-17	09/22/23	186717.108	2956996.124	12	12	0–6 in	dark brown, moist, roots
57	EA57-BI-BJ-17	09/22/23	186717.108	2956996.124	12	12	6–12 in	dark brown, roots, moist
57	EA57-C-11	10/03/23	186435.432	2959911.164	12	12	0–6 in	very dry, brown, rocky
57	EA57-C-11	10/03/23	186435.432	2959911.164	12	12	6–12 in	very dry, brown, rocky
57	EA57-C-D-8	10/05/23	186281.379	2959889.318	12	12	0–6 in	moist, dark brown, roots
57	EA57-C-D-8	10/05/23	186281.379	2959889.318	12	12	6–12 in	moist, dark brown
57	EA57-D-4	10/04/23	186088.056	2959874.417	12	12	6–12 in	very moist, plant debris
57	EA57-D-E-10	10/05/23	186375.397	2959837.102	12	12	0–6 in	dry, gritty
57	EA57-D-E-10	10/05/23	186375.397	2959837.102	12	12	6–12 in	dry., gritty
57	EA57-D-E-6	10/04/23	186178.618	2959844.646	12	12	6–12 in	very moist, brown, roots
57	EA57-E-12-13	10/03/23	186514.232	2959821.627	12	12	0–6 in	dark brown, high plasticity, roots
57	EA57-E-12-13	10/03/23	186514.232	2959821.627	12	12	6–12 in	dark brown, high plasticity, roots
57	EA57-E-8	10/05/23	186268.639	2959814.919	12	12	0–6 in	dark brown, dry
57	EA57-E-8	10/05/23	186268.639	2959814.919	12	12	6–12 in	dark brown, dry
57	EA57-E-F-5-6	10/04/23	186144.635	2959793.498	12	12	0–6 in	very moist, roots
57	EA57-E-F-5-6	10/04/23	186144.635	2959793.498	12	12	6–12 in	very moist, roots
57	EA57-F-6	10/04/23	186176.718	2959764.887	12	12	0–6 in	very moist, dark brown
57	EA57-F-6	10/04/23	186176.718	2959764.887	12	12	6–12 in	very moist, plant debris, dark brown
57	EA57-F-9-10	10/05/23	186345.176	2959780.753	12	12	0–6 in	dry, light brown
57	EA57-F-9-10	10/05/23	186345.176	2959780.753	12	12	6–12 in	dry, light brown
57	EA57-F-G-12	10/03/23	186470.891	2959739.272	12	12	0–6 in	several layers of clay, sand, medium to light brown
57	EA57-F-G-12	10/03/23	186470.891	2959739.272	12	12	6–12 in	several layers of clay, sand, medium to light brow
57	EA57-F-G-8	10/05/23	186269.141	2959740.744	12	12	0–6 in	rooty, moist
57	EA57-F-G-8	10/05/23	186269.141	2959740.744	12	12	6–12 in	rooty, moist
57	EA57-F-G-9	10/05/23	186338.535	2959744.553	12	12	0–6 in	dry, light brown
57	EA57-F-G-9	10/05/23	186338.535	2959744.553	12	12	6–12 in	dry, light brown
57	EA57-G-10	10/05/23	186381.597	2959723.522	12	12	0–6 in	light brown, plant debris
57	EA57-G-10	10/05/23	186381.597	2959723.522	12	12	6–12 in	light brown, plant debris
57	EA57-H-5-6	10/04/23	186154.236	2959665.146	12	12	0–6 in	very moist, plant debris
57	EA57-H-5-6	10/04/23	186154.236	2959665.146	12	12	6–12 in	very moist, plant debris
57	EA57-H-7-8	10/05/23	186248.453	2959677.798	12	12	0–6 in	dry, rooty
57	EA57-H-7-8	10/05/23	186248.453	2959677.798	12	12	6–12 in	dry, rooty
57	EA57-H-I-10	10/03/23	186374.389	2959648.491	12	12	0–6 in	dark brown, smelly, roots
57	EA57-H-I-10	10/03/23	186374.389	2959648.491	12	12	6–12 in	dark brown, smelly, roots
57	EA57-H-I-11-12	10/03/23	186448.365	2959642.784	12	12	0–6 in	dark brown, dirt
57	EA57-H-I-11-12	10/03/23	186448.365	2959642.784	12	12	6–12 in	brown, some roots
57	EA57-I-J-9	10/05/23	186324.808	2959580.307	12	12	0–6 in	dry, dark brown
57	EA57-I-J-9	10/05/23	186324.808	2959580.307	12	12	6–12 in	dry, dark brown
57	EA57-J-11	10/03/23	186421.128	2959574.930	12	12	0–6 in	moist, dark brown, roots/organic matter
57	EA57-J-11	10/03/23	186421.128	2959574.930	12	12	6–12 in	moist, dark brown, roots/organic matter
57	EA57-J-5-6	10/04/23	186149.256	2959572.133	12	12	0–6 in	slightly gleyed, plant debris
57	EA57-J-5-6	10/04/23	186149.256	2959572.133	12	12	6–12 in	slightly gleyed, plant debris
57	EA57-J-7-8	10/05/23	186253.821	2959579.787	12	12	0–6 in	moist, gritty, dark brown
57	EA57-J-7-8	10/05/23	186253.821	2959579.787	12	12	6–12 in	moist, gritty, dark brown
57	EA57-K-11-12	10/03/23	186452.389	2959530.879	12	12	0–6 in	very moist, organic matter, gritty
57	EA57-K-11-12	10/03/23	186452.389	2959530.879	12	12	6–12 in	very moist, organic matter, gritty
57	EA57-K-13	10/04/23	186512.116	2959506.900	12	12	0–6 in	gleyed, very moist
57	EA57-K-13	10/04/23	186512.116	2959506.900	12	12	6–12 in	gleyed, very moist
57	EA57-K-9	10/05/23	186330.516	2959512.865	12	12	0–6 in	sheen, strong chemical smell, rainbow sheen on water near location
57	EA57-K-9	10/05/23	186330.516	2959512.865	12	12	6–12 in	moist, chemical odor
57	EA57-K-L-13	10/03/23	186544.860	2959538.600	12	12	0–6 in	dark brown, several attempts, roots
57	EA57-K-L-13	10/03/23	186544.860	2959538.600	12	12	6–12 in	dark brown, several attempts, roots
57	EA57-L-15-16	10/03/23	186639.362	2959466.341	12	12	0–6 in	dark brown, rooty, rocks
57	EA57-L-15-16	10/03/23	186639.362	2959466.341	12	12	6–12 in	brown, roots, rock
57	EA57-L-5-6	10/05/23	186139.457	2959459.316	12	12	0–6 in	dark brown, roots

Table 2
Floodplain Sampling Field Data

Exposure Area	Location ID	Collection Date	Easting	Northing	Penetration Depth (in)	Recovery Depth (in)	Sample Interval	Soil Description
57	EA57-L-5-6	10/05/23	186139.457	2959459.316	12	12	6–12 in	dark brown, roots
57	EA57-L-7	10/05/23	186229.666	2959483.121	12	12	0–6 in	very moist, roots
57	EA57-L-7	10/05/23	186229.666	2959483.121	12	12	6–12 in	very moist, roots
57	EA57-N-16	10/03/23	186668.763	2959365.792	12	12	6–12 in	light brown, dry
57	EA57-N-18	10/03/23	186767.191	2959378.845	12	12	0–6 in	brown, roots, moist
57	EA57-N-18	10/03/23	186767.191	2959378.845	12	12	6–12 in	brown, roots, moist
57	EA57-N-5	10/05/23	186116.207	2959373.121	12	12	0–6 in	
57	EA57-N-5	10/05/23	186116.207	2959373.121	12	12	6–12 in	moist, woody debris
57	EA57-O-P-17	10/03/23	186728.361	2959301.566	12	12	0–6 in	light/rust brown, rooty, dry
57	EA57-O-P-17	10/03/23	186728.361	2959301.566	12	12	6–12 in	dry , light, rust brown
57	EA57-O-P-4	10/05/23	186085.748	2959298.743	12	12	0–6 in	roots, dry
57	EA57-O-P-4	10/05/23	186085.748	2959298.743	12	12	6–12 in	roots, dry
57	EA57-Q-17	10/03/23	186714.068	2959204.333	12	12	0–6 in	moist, dark brown, root matter
57	EA57-Q-17	10/03/23	186714.068	2959204.333	12	12	6–12 in	light brown/gray, moist, root matter
57	EA57-Q-4	10/05/23	186070.130	2959217.957	12	12	6–12 in	dark brown, roots
57	EA57-R-15-16	10/03/23	186655.545	2959167.911	12	12	0–6 in	dark brown, moist, roots
57	EA57-R-15-16	10/03/23	186655.545	2959167.911	12	12	6–12 in	dark brown, moist, roots
57	EA57-S-16-17	10/03/23	186696.682	2959107.425	12	12	0–6 in	rust brown, sandy
57	EA57-S-16-17	10/03/23	186696.682	2959107.425	12	12	6–12 in	rust brown, sandy
57	EA57-S-3-4	10/05/23	186050.272	2959117.677	12	12	0–6 in	moist, dark brown
57	EA57-S-3-4	10/05/23	186050.272	2959117.677	12	12	6–12 in	moist, dark brown, roots
57	EA57-T-U-15	10/03/23	186629.794	2959034.690	12	12	0–6 in	very watery, rooty area
57	EA57-T-U-15	10/03/23	186629.794	2959034.690	12	12	6–12 in	very watery, rooty
57	EA57-U-16	10/03/23	186687.756	2959012.047	12	12	0–6 in	rust brown, dry
57	EA57-U-16	10/03/23	186687.756	2959012.047	12	12	6–12 in	rust brown, dry
57	EA57-U-3	10/05/23	186034.865	2959023.620	12	12	0–6 in	dark brown, slightly moist
57	EA57-U-3	10/05/23	186034.865	2959023.620	12	12	6–12 in	dark brown, moist
57	EA57-V-W-3	09/27/23	186017.535	2958942.257	12	12	0–6 in	roots, very moist dark brown
57	EA57-V-W-3	09/27/23	186017.535	2958942.257	12	12	6–12 in	roots, very moist, dark brown
57	EA57-W-16-17	10/03/23	186699.372	2958907.542	12	12	0–6 in	rust brown, some roots
57	EA57-W-16-17	10/03/23	186699.372	2958907.542	12	12	6–12 in	rusty brown, some roots
57	EA57-W-X-2	09/27/23	185988.986	2958881.410	12	12	6–12 in	medium to light brown, rooty, gritty
57	EA57-W-X-5	09/27/23	186125.778	2958885.036	12	12	0–6 in	dark brown, moist, some roots
57	EA57-W-X-5	09/27/23	186125.778	2958885.036	12	12	6–12 in	
57	EA57-X-3-4	09/27/23	186050.334	2958857.322	12	12	0–6 in	dark brown, some roots
57	EA57-X-3-4	09/27/23	186050.334	2958857.322	12	12	6–12 in	dark brown, some roots
57	EA57-Y-16	09/28/23	186690.038	2958801.671	12	12	0–6 in	medium to light brown/orange brown
57	EA57-Y-16	09/28/23	186690.038	2958801.671	12	12	6–12 in	medium to light brown/orange brown
57	EA57-Z-2	09/27/23	185984.511	2958772.787	12	12	0–6 in	very soft, moist, dark brown
57	EA57-Z-2	09/27/23	185984.511	2958772.787	12	12	6–12 in	soft, moist, dark brown
58	EA58-B-C-18-19	10/18/23	186712.794	2956749.807	12	12	0–6 in	dry, rocky
58	EA58-B-C-18-19	10/18/23	186712.794	2956749.807	12	12	6–12 in	dry, very rocky
58	EA58-B-C-18-19	10/26/23	186712.794	2956749.807	30	30	12–24 in	gray, gravel
58	EA58-B-C-18-19	10/26/23	186712.794	2956749.807	30	30	24–30 in	gray, gravel
58	EA58-D-17-18	10/18/23	186653.865	2956677.694	24	24	0–6 in	dry, very rocky
58	EA58-D-17-18	10/18/23	186653.865	2956677.694	24	24	6–12 in	dry, very rocky
58	EA58-D-17-18	10/18/23	186653.865	2956677.694	24	24	12–24 in	dry, very rocky
58	EA58-D-17-18	10/26/23	186653.865	2956677.694	30	30	24–30 in	gravel, dry
58	EA58-D-E-15-16	10/24/23	186560.737	2956633.871	18	18	0–6 in	hard-packed gravel, rocks
58	EA58-D-E-15-16	10/24/23	186560.737	2956633.871	18	18	6–12 in	hard-packed gravel, rocks
58	EA58-D-E-15-16	10/24/23	186560.737	2956633.871	18	18	12–18 in	
58	EA58-F-13-14	10/24/23	186459.927	2956569.384	36	36	0–6 in	hard-packed gravel, rocks
58	EA58-F-13-14	10/24/23	186459.927	2956569.384	36	36	6–12 in	hard-packed gravel, rocks
58	EA58-F-13-14	10/24/23	186459.927	2956569.384	36	36	12–24 in	rock, gravel
58	EA58-F-13-14	10/24/23	186459.927	2956569.384	36	36	24–36 in	dark brown and rust color, clay
58	EA58-G-11-12	09/22/23	186363.248	2956514.031	12	12	0–6 in	dark brown, tree roots
58	EA58-G-11-12	09/22/23	186363.248	2956514.031	12	12	6–12 in	dark brown, roots
58	EA58-G-12	10/24/23	186385.922	2956514.801	30	30	0–6 in	
58	EA58-G-12	10/24/23	186385.922	2956514.801	30	30	6–12 in	hard-packed gravel, rocks

Table 2
Floodplain Sampling Field Data

Exposure Area	Location ID	Collection Date	Easting	Northing	Penetration Depth (in)	Recovery Depth (in)	Sample Interval	Soil Description
58	EA58-G-12	10/24/23	186385.922	2956514.801	30	30	12–24 in	gravel, rocks
58	EA58-G-12	10/24/23	186385.922	2956514.801	30	30	24–30 in	gravel, rocks
58	EA58-G-H-4	09/22/23	185974.236	2956499.913	12	12	0–6 in	dark brown, very plastic
58	EA58-G-H-4	09/22/23	185974.236	2956499.913	12	12	6–12 in	dark brown, high plasticity
58	EA58-H-3-4	09/22/23	185944.241	2956469.020	12	12	0–6 in	dark brown, root matter
58	EA58-H-3-4	09/22/23	185944.241	2956469.020	12	12	6–12 in	dark brown, root matter
58	EA58-H-I-10	09/22/23	186275.148	2956443.560	12	12	6–12 in	dark brown, moist
58	EA58-H-I-10-11	10/24/23	186297.046	2956443.115	36	36	0–6 in	hard-packed gravel, rocks
58	EA58-H-I-10-11	10/24/23	186297.046	2956443.115	36	36	6–12 in	hard-packed gravel, rocks
58	EA58-H-I-10-11	10/24/23	186297.046	2956443.115	36	36	12–24 in	gravel, rocks
58	EA58-H-I-10-11	10/24/23	186297.046	2956443.115	36	36	24–36 in	gravel, rocks
58	EA58-I-5-6	09/22/23	186053.630	2956411.515	12	12	0–6 in	dark brown, some plant debris, moist
58	EA58-I-5-6	09/22/23	186053.630	2956411.515	12	12	6–12 in	dark brown, moist
58	EA58-I-8	09/22/23	186165.646	2956403.897	12	12	0–6 in	very dark brown, moist
58	EA58-I-8	09/22/23	186165.646	2956403.897	12	12	6–12 in	very dark brown, very moist, muddy
58	EA58-I-J-3	10/24/23	185932.171	2956399.902	24	24	0–6 in	hard-packed gravel, rocks
58	EA58-I-J-3	10/24/23	185932.171	2956399.902	24	24	6–12 in	hard-packed gravel, rocks
58	EA58-I-J-3	10/24/23	185932.171	2956399.902	24	24	12–24 in	hard-packed gravel, rocks
58	EA58-I-J-5	09/22/23	186025.473	2956381.771	12	12	0–6 in	dark brown/dark gray
58	EA58-I-J-5	09/22/23	186025.473	2956381.771	12	12	6–12 in	dark brown/dark gray, roots
58	EA58-I-J-6-7	09/22/23	186102.755	2956394.755	12	12	6–12 in	dark brown, very moist ground
58	EA58-I-J-8-9	10/24/23	186201.006	2956383.267	36	36	0–6 in	hard-packed gravel, rocks
58	EA58-I-J-8-9	10/24/23	186201.006	2956383.267	36	36	6–12 in	hard-packed gravel, rocks
58	EA58-I-J-8-9	10/24/23	186201.006	2956383.267	36	36	12–24 in	gravel, rocks
58	EA58-I-J-8-9	10/24/23	186201.006	2956383.267	36	36	24–36 in	gravel, rocks
58	EA58-J-K-5	10/25/23	186012.756	2956351.252	24	24	0–6 in	hard-packed gravel, rocks
58	EA58-J-K-5	10/25/23	186012.756	2956351.252	24	24	6–12 in	hard-packed gravel, rocks
58	EA58-J-K-5	10/25/23	186012.756	2956351.252	24	24	12–24 in	hard-packed gravel, rocks
58	EA58-J-K-6-7	09/22/23	186107.164	2956350.073	12	11	0–6 in	dark brown, some roots
58	EA58-J-K-6-7	09/22/23	186107.164	2956350.073	12	11	6–12 in	dark brown, some roots
58	EA58-K-7	10/24/23	186101.308	2956338.605	24	24	0–6 in	hard-packed gravel, rocks
58	EA58-K-7	10/24/23	186101.308	2956338.605	24	24	6–12 in	hard-packed gravel, rocks
58	EA58-K-7	10/24/23	186101.308	2956338.605	24	24	12–24 in	hard-packed gravel, rocks
59	EA59A-A-B-14	09/26/23	185171.706	2957233.164	12	12	0–6 in	some roots, dark brown
59	EA59A-A-B-14	09/26/23	185171.706	2957233.164	12	12	6–12 in	some roots, dark brown
59	EA59A-B-12	09/26/23	185089.887	2957217.565	12	12	0–6 in	dry, dark brown, gritty
59	EA59A-B-12	09/26/23	185089.887	2957217.565	12	12	6–12 in	dark brown
59	EA59A-B-C-11	09/26/23	185016.043	2957200.429	12	12	0–6 in	very dry, dark brown
59	EA59A-B-C-11	09/26/23	185016.043	2957200.429	12	12	6–12 in	dry, dark brown
59	EA59A-C-15-16	09/27/23	185268.138	2957179.633	12	12	0–6 in	dark brown, roots
59	EA59A-C-15-16	09/27/23	185268.138	2957179.633	12	12	6–12 in	dark brown, roots
59	EA59A-C-D-18	09/28/23	185363.925	2957143.074	12	12	0–6 in	roots, rocks, clay and dark brown
59	EA59A-C-D-18	09/28/23	185363.925	2957143.074	12	12	6–12 in	roots, rocky, clay and sand
59	EA59A-C-D-18-19	09/28/23	185407.457	2957129.563	12	12	0–6 in	dark brown, roots
59	EA59A-C-D-18-19	09/28/23	185407.457	2957129.563	12	12	6–12 in	dark brown, rooty , rocky
59	EA59A-D-9	10/06/23	184916.394	2957131.260	12	12	0–6 in	most, dark brown
59	EA59A-D-9	10/06/23	184916.394	2957131.260	12	12	6–12 in	moist, dark brown
59	EA59A-D-E-9-10	10/06/23	184957.296	2957087.752	6	6	0–6 in	dark brown, dry
59	EA59A-F-8	09/28/23	184885.134	2957006.308	12	12	0–6 in	dark brown, root
59	EA59A-F-8	09/28/23	184885.134	2957006.308	12	12	6–12 in	dark brown, root
59	EA59A-G-H-6-7	09/28/23	184800.475	2956924.423	12	12	6–12 in	very rocky
59	EA59A-J-K-4	09/28/23	184680.926	2956788.571	12	10	0–6 in	very moist, rocky
59	EA59A-J-K-4	09/28/23	184680.926	2956788.571	12	10	6–10 in	very moist, rocky
59	EA59A-M-3	09/28/23	184641.921	2956671.488	12	12	0–6 in	very moist, roots
59	EA59A-M-3	09/28/23	184641.921	2956671.488	12	12	6–12 in	very moist, roots
59	EA59A-P-3	09/27/23	184638.849	2956521.199	12	12	6–12 in	dark brown, some roots, very moist
59	EA59-B-14	09/26/23	185174.510	2957207.319	12	12	0–6 in	very rocky area, dark brown-rust brown
59	EA59-B-14	09/26/23	185174.510	2957207.319	12	12	6–12 in	rust brown, rocky area
59	EA59-B-C-9-10	10/19/23	184961.658	2957189.017	36	36	0–6 in	dark brown, sand and gravel mix

Table 2
Floodplain Sampling Field Data

Exposure Area	Location ID	Collection Date	Easting	Northing	Penetration Depth (in)	Recovery Depth (in)	Sample Interval	Soil Description
59	EA59-B-C-9-10	10/19/23	184961.658	2957189.017	36	36	6–12 in	brown, sand and gravel mix
59	EA59-B-C-9-10	10/19/23	184961.658	2957189.017	36	36	12–24 in	dark brown, sand and gravel mix
59	EA59-B-C-9-10	10/19/23	184961.658	2957189.017	36	36	24–36 in	dark brown, sand
59	EA59-C-12-13	09/27/23	185109.117	2957152.825	9	9	0–6 in	brown, very rocky, dry
59	EA59-C-12-13	09/27/23	185109.117	2957152.825	9	9	6–9 in	brown, very rocky, dry
59	EA59-C-9-10	10/06/23	184954.592	2957167.673	6	6	0–6 in	dark brown, dry
59	EA59-C-D-11	10/19/23	185022.981	2957146.575	12	12	0–6 in	dark brown
59	EA59-C-D-11	10/19/23	185022.981	2957146.575	12	12	6–12 in	light brown
59	EA59-C-D-16	09/27/23	185273.503	2957137.012	12	12	6–12 in	brown, rocky, dry
59	EA59-D-E-12-13	10/25/23	185106.457	2957073.427	12	12	0–6 in	hard-packed gravel, rocks
59	EA59-D-E-12-13	10/25/23	185106.457	2957073.427	12	12	6–12 in	hard-packed gravel, rocks
59	EA59-D-E-15-16	10/25/23	185252.741	2957103.878	12	12	0–6 in	Hard-packed gravel, rocks
59	EA59-D-E-15-16	10/25/23	185252.741	2957103.878	12	12	6–12 in	hard-packed gravel, rocks
59	EA59-D-E-17-18	10/25/23	185375.298	2957104.682	12	12	0–6 in	hard-packed gravel, rocks
59	EA59-D-E-17-18	10/25/23	185375.298	2957104.682	12	12	6–12 in	hard-packed gravel, rocks
59	EA59-E-F-10-11	10/19/23	185001.201	2957038.817	12	12	0–6 in	brown and gravel
59	EA59-E-F-10-11	10/19/23	185001.201	2957038.817	12	12	6–12 in	dark brown, gravel
59	EA59-E-F-10-11	10/19/23	185001.201	2957038.817	12	12	12–24 in	brown/rust, sand
59	EA59-E-F-10-11	10/19/23	185001.201	2957038.817	12	12	24–36 in	brown/rust, sand
59	EA59-G-8-9	10/19/23	184904.952	2956978.589	24	24	0–6 in	dark brown
59	EA59-G-8-9	10/19/23	184904.952	2956978.589	24	24	6–12 in	dark brown
59	EA59-G-8-9	10/19/23	184904.952	2956978.589	24	24	12–24 in	brown, some roots
59	EA59-G-8-9	10/26/23	184904.952	2956978.589	30	30	24–30 in	dry, gravel
59	EA59-H-I-6-7	10/19/23	184799.941	2956895.111	24	24	0–6 in	dark brown, some roots
59	EA59-H-I-6-7	10/19/23	184799.941	2956895.111	24	24	6–12 in	dark brown
59	EA59-H-I-6-7	10/19/23	184799.941	2956895.111	24	24	12–24 in	dark brown
59	EA59-H-I-6-7	10/26/23	184799.941	2956895.111	36	36	24–36 in	gravel, some clay
59	EA59-J-K-5	10/25/23	184723.416	2956795.889	30	30	0–6 in	hard-packed gravel, rocks
59	EA59-J-K-5	10/25/23	184723.416	2956795.889	30	30	6–12 in	hard-packed gravel, rocks
59	EA59-J-K-5	10/25/23	184723.416	2956795.889	30	30	12–24 in	hard-packed gravel, rocks
59	EA59-J-K-5	10/25/23	184723.416	2956795.889	30	30	24–30 in	hard-packed gravel, rocks
59	EA59-L-M-4-5	10/25/23	184689.940	2956703.773	24	24	0–6 in	hard-packed gravel, rocks
59	EA59-L-M-4-5	10/25/23	184689.940	2956703.773	24	24	6–12 in	hard-packed gravel, rocks
59	EA59-L-M-4-5	10/25/23	184689.940	2956703.773	24	24	12–24 in	hard-packed gravel, rocks
59	EA59-N-O-4	09/27/23	184668.640	2956595.594	12	12	0–6 in	very rocky, dry, sandy
59	EA59-N-O-4	09/27/23	184668.640	2956595.594	12	12	6–12 in	very rocky, dry
59	EA59-Q-3-4	09/27/23	184651.722	2956479.119	12	12	0–6 in	rocky, dry, light brown, roots
59	EA59-Q-3-4	09/27/23	184651.722	2956479.119	12	12	6–12 in	rocky, dry, light brown, roots
60	EA60A-B-C-4-5	09/21/23	184704.820	2957298.670	12	12	0–6 in	dark brown, some roots
60	EA60A-B-C-4-5	09/21/23	184704.820	2957298.670	12	12	6–12 in	dark brown, some roots
60	EA60A-B-C-5-6	10/17/23	184764.537	2957288.919	36	36	0–6 in	dry, light brown
60	EA60A-B-C-5-6	10/17/23	184764.537	2957288.919	36	36	6–12 in	dry, medium brown, roots
60	EA60A-B-C-5-6	10/17/23	184764.537	2957288.919	36	36	12–24 in	dry, dark brown
60	EA60A-B-C-5-6	10/17/23	184764.537	2957288.919	36	36	24–36 in	slightly gleyed, moist
60	EA60A-C-5-6	09/21/23	184751.680	2957263.090	12	12	0–6 in	dark brown, some roots
60	EA60A-C-5-6	09/21/23	184751.680	2957263.090	12	12	6–12 in	dark brown, some roots
60	EA60A-C-6	10/17/23	184797.315	2957301.322	36	36	0–6 in	dry, dark brown, roots
60	EA60A-C-6	10/17/23	184797.315	2957301.322	36	36	6–12 in	rust brown, dry
60	EA60A-C-6	10/17/23	184797.315	2957301.322	36	36	12–24 in	dry, brown
60	EA60A-C-6	10/17/23	184797.315	2957301.322	36	36	24–36 in	dry, rust brown
60	EA60-C-3-4	09/21/23	184663.840	2957274.460	12	11	0–6 in	dark brown, roots
60	EA60-C-3-4	09/21/23	184663.840	2957274.460	12	11	6–11 in	dark brown, roots
60	EA60-D-3-4	09/21/23	184653.020	2957225.940	12	12	0–6 in	dark brown
60	EA60-D-3-4	09/21/23	184653.020	2957225.940	12	12	6–12 in	dark brown
60	EA60-E-4	09/21/23	184678.160	2957169.910	12	12	0–6 in	dark brown, some roots
60	EA60-E-4	09/21/23	184678.160	2957169.910	12	12	6–12 in	dark brown, some roots
60	EA60-F-3-4	09/21/23	184647.810	2957129.190	12	12	0–6 in	dark brown, some root
60	EA60-F-3-4	09/21/23	184647.810	2957129.190	12	12	6–12 in	dark brown, some roots
60	EA60-F-G-4	09/21/23	184688.390	2957079.310	12	12	0–6 in	dark brown, some roots

Table 2
Floodplain Sampling Field Data

Exposure Area	Location ID	Collection Date	Easting	Northing	Penetration Depth (in)	Recovery Depth (in)	Sample Interval	Soil Description
60	EA60-F-G-4	09/21/23	184688.390	2957079.310	12	12	6–12 in	dark brown
60	EA60-G-2-3	09/21/23	184606.450	2957061.830	12	12	6–12 in	dark brown-rusty orange
60	EA60-I-J-2	09/21/23	184582.000	2956947.810	12	12	6–12 in	dark brown, some roots

Notes:
1. Coordinates are listed in NAD83 State Plane Massachusetts Mainland (feet).
in: inch
NAD83: North American Datum of 1983

Appendix B

Data Validation Reports

Data Validation Report – EPA Stage 2A

January 31, 2024

Project: GE Housatonic River Floodplain
Project Number: 230469-05.01
DVR Number: AQ-2023-0218

This report summarizes the review of analytical results for 173 sediment samples, 8 field duplicate samples, and 8 equipment rinsate blanks collected in August 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
- Specific gravity (SG) by ASTM D1429
- Density by SM2937
- Organic content (OC) by ASTM D2974

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. One SDG was 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)
- *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

Eight 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

Eight field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them and assessed using $\pm$ twice the MRL. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD specified in the quality assurance project plan. 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-F-2-230824-03-04	SE-F-2-BD0001	RPD	Difference	Difference CL
Total solids	79.3 %	80.9 %	2%	--	--

Analyte	SE-F-G-1-230824-02-03	SE-F-G-1-BD0001	RPD	Difference	Difference CL
Total solids	32.3 %	35.1 %	8%	--	--

Analyte	SE-G-H-5-6-230826-02-03	SE-G-H-5-6-BD0001	RPD	Difference	Difference CL
Aroclor 1254	21.4 µg/kg	29 µg/kg	--	7.6 µg/kg	58.0 µg/kg
Aroclor 1260	132 µg/kg	209 µg/kg	--	77.0 µg/kg	58.0 µg/kg
Total solids	62.0 %	62.6 %	1%	--	--

Analyte	SE-G-H-6-7-230826-03-04	SE-G-H-6-7-BD0001	RPD	Difference	Difference CL
Aroclor 1260	32.9 µg/kg	123 µg/kg	--	90.1 µg/kg	84.0 µg/kg
Total solids	47.2 %	46.6 %	1%	--	--

Analyte	SE-G-H-7-8-230826-00-01	SE-G-H-7-8-BD0001	RPD	Difference	Difference CL
Aroclor 1254	180 µg/kg	201 µg/kg	--	21.0 µg/kg	168.0 µg/kg
Aroclor 1260	1120 µg/kg	1130 µg/kg	1%	--	--
Total solids	22.9 %	22.2 %	3%	--	--

Analyte	SE-G-H-8-9-230827-01-02	SE-G-H-8-9-BD0001	RPD	Difference	Difference CL
Aroclor 1260	653 µg/kg	997 µg/kg	42%	--	--
Total solids	16.8 %	16.2 %	4%	--	--

Analyte	SE-H-2-230828-02-03	SE-H-2-BD0001	RPD	Difference	Difference CL
Aroclor 1260	31 µg/kg	68.1 µg/kg	--	37.1 µg/kg	62.0 µg/kg
Total solids	63.4 %	44.4 %	35%	--	--

Analyte	SE-H-I-4-5-230827-06-07	SE-H-I-4-5-BD0001	RPD	Difference	Difference CL
Total solids	65.3 %	45.3 %	36%	--	--

Notes:
µg/kg: microgram per kilogram

Surrogate Spike Recoveries

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 (CLs) in

these instances. When surrogate recoveries were outside of the CLs in one column, and results were reported from the other column no data were qualified. When surrogates recovered above CLs and sample results were below detection, no data were qualified. Surrogates recovered outside of CLs in some laboratory QC samples; however, data are not qualified for surrogate outliers in QC samples alone. Surrogate recoveries were otherwise within CLs.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the exception of the Aroclor 1254 RPD value for SE-H-I-9-10-230827-05-5.5 which was above the control limit. The result has been qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs) 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 CLs.

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 CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs with the following exceptions:

- Aroclor 1016 and 1260 recovered below the control limit in the MS and/or MSD analyzed on samples SE-F-6-230824-06-07 and SE-F-G-2-3-230824-05-06. All sample results have been qualified "UJ" for potential low bias.
- Aroclor 1260 recovered below the control limit in the MS and MSD analyzed on sample SE-G-H-6-7-230826-07-7.5. Associated sample results have been qualified "UJ" for potential low bias.
- Aroclor 1016 recovered below the control limit in the MS and/or MSD analyzed on samples SE-H-7-8-230828-03-04 and SE-H-I-9-10-230827-01-02. Associated detected sample results have been qualified "J" for potential low bias. Associated non-detect result were rejected.
- Aroclor 1260 recovered below the control limit in the MSD and below 10% in the MS analyzed on samples SE-H-7-8-230828-03-04 and SE-H-I-9-10-230827-01-02. Associated sample results have been rejected due to the low MS recovery.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/TS, and GS analyses and RPD values were within project-required CLs.

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. Four results in two samples 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
SE-F-6-230824-06-07	PCBs	Aroclor 1016	33U µg/kg	33UJ µg/kg	MSD %R below CL
		Aroclor 1221	33U µg/kg	33UJ µg/kg	
		Aroclor 1232	33U µg/kg	33UJ µg/kg	
		Aroclor 1242	33U µg/kg	33UJ µg/kg	
		Aroclor 1248	33U µg/kg	33UJ µg/kg	MS %R below CL
		Aroclor 1254	33U µg/kg	33UJ µg/kg	
		Aroclor 1260	33U µg/kg	33UJ µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-F-G-2-3-230824-05-06	PCBs	Aroclor 1016	89U µg/kg	89UJ µg/kg	MS %R below CL
		Aroclor 1221	89U µg/kg	89UJ µg/kg	
		Aroclor 1232	89U µg/kg	89UJ µg/kg	
		Aroclor 1242	89U µg/kg	89UJ µg/kg	
		Aroclor 1248	89U µg/kg	89UJ µg/kg	MS/MSD %R below CL
		Aroclor 1254	89U µg/kg	89UJ µg/kg	
		Aroclor 1260	89U µg/kg	89UJ µg/kg	
SE-G-H-5-6-230826-02-03	PCBs	Aroclor 1260	132 µg/kg	132J µg/kg	FD RPD above CL
SE-G-H-5-6-BD0001	PCBs	Aroclor 1260	209 µg/kg	209J µg/kg	FD RPD above CL
SE-G-H-6-7-230826-03-04	PCBs	Aroclor 1260	32.9 µg/kg	32.9J µg/kg	FD RPD above CL
SE-G-H-6-7-230826-07-7.5	PCBs	Aroclor 1248	69U µg/kg	69UJ µg/kg	MS/MSD %R below CL
		Aroclor 1254	69U µg/kg	69UJ µg/kg	
		Aroclor 1260	69U µg/kg	69UJ µg/kg	
SE-G-H-6-7-BD0001	PCBs	Aroclor 1260	123 µg/kg	123J µg/kg	FD RPD above CL
SE-H-7-8-230828-03-04	PCBs	Aroclor 1016	140U µg/kg	140UJ µg/kg	MS/MSD %R below CL
		Aroclor 1221	140U µg/kg	140UJ µg/kg	
		Aroclor 1232	140U µg/kg	140UJ µg/kg	
		Aroclor 1242	140U µg/kg	140UJ µg/kg	
		Aroclor 1248	140U µg/kg	R	MS %R below 10%; MSD %R below CL
		Aroclor 1254	140U µg/kg	R	
		Aroclor 1260	135 µg/kg	135J µg/kg	MS/MSD RPD above CL; MS/MSD %R below CL
SE-H-I-9-10-230827-01-02	PCBs	Aroclor 1016	64U µg/kg	64UJ µg/kg	MS %R below CL
		Aroclor 1221	64U µg/kg	64UJ µg/kg	
		Aroclor 1232	64U µg/kg	64UJ µg/kg	
		Aroclor 1242	64U µg/kg	64UJ µg/kg	
		Aroclor 1248	64U µg/kg	R	MS %R below 10%; MSD %R below CL
		Aroclor 1254	64U µg/kg	R	
		Aroclor 1260	135 µg/kg	135J µg/kg	MS/MSD RPD above CL; MS/MSD %R below CL
SE-H-I-9-10-230827-05-5.5	PCBs	Aroclor 1254	7.8 µg/kg	7.8J µg/kg	RPD between columns

Notes:

%R: percent recovery

FD: field duplicate

References

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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

Table 1-1
Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2308240934	JD71901-8	JD71901	Water	PCBs
RB-2308241300	JD71901-31	JD71901	Water	PCBs
RB-2308260843	JD71901-68	JD71901	Water	PCBs
RB-2308261117	JD71901-78	JD71901	Water	PCBs
RB-2308261531	JD71901-88	JD71901	Water	PCBs
RB-2308270945	JD71901-148	JD71901	Water	PCBs
RB-2308271639	JD71901-97	JD71901	Water	PCBs
RB-2308281011	JD71901-110	JD71901	Water	PCBs
SE-E-F-3-4-230824-00-01	JD71901-1	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-01-02	JD71901-2	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-02-03	JD71901-3A	JD71901	Sediment	MC, TS, PCBs, GS
SE-E-F-3-4-230824-03-04	JD71901-4	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-04-05	JD71901-5	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-05-06	JD71901-6	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-06-6.5	JD71901-7	JD71901	Sediment	TS, PCBs
SE-F-2-230824-00-01	JD71901-9	JD71901	Sediment	TS, PCBs
SE-F-2-230824-01-02	JD71901-10	JD71901	Sediment	TS, PCBs
SE-F-2-230824-02-03	JD71901-11A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-2-230824-03-04	JD71901-12	JD71901	Sediment	TS, PCBs
SE-F-2-230824-04-05	JD71901-13	JD71901	Sediment	TS, PCBs
SE-F-2-230824-05-06	JD71901-14	JD71901	Sediment	TS, PCBs
SE-F-2-230824-06-07	JD71901-15	JD71901	Sediment	MC, GS
SE-F-2-BD0001	JD71901-16	JD71901	Sediment	TS, PCBs
SE-F-6-230824-00-01	JD71901-17	JD71901	Sediment	TS, PCBs
SE-F-6-230824-01-02	JD71901-18	JD71901	Sediment	TS, PCBs
SE-F-6-230824-02-03	JD71901-19	JD71901	Sediment	TS, PCBs
SE-F-6-230824-03-04	JD71901-20	JD71901	Sediment	TS, PCBs
SE-F-6-230824-04-05	JD71901-21A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-6-230824-05-06	JD71901-22	JD71901	Sediment	TS, PCBs
SE-F-6-230824-06-07	JD71901-23	JD71901	Sediment	TS, PCBs
SE-F-9-230824-00-01	JD71901-24	JD71901	Sediment	TS, PCBs
SE-F-9-230824-01-02	JD71901-25	JD71901	Sediment	TS, PCBs
SE-F-9-230824-02-03	JD71901-26	JD71901	Sediment	TS, PCBs
SE-F-9-230824-03-04	JD71901-27	JD71901	Sediment	TS, PCBs
SE-F-9-230824-04-05	JD71901-28	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-F-9-230824-05-06	JD71901-29	JD71901	Sediment	TS, PCBs
SE-F-9-230824-06-6.5	JD71901-30	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-00-01	JD71901-32	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-01-02	JD71901-33A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-G-1-230824-02-03	JD71901-34	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-03-04	JD71901-35	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-04-05	JD71901-36	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-05-06	JD71901-37A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-G-1-BD0001	JD71901-38	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-00-01	JD71901-39A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-G-2-3-230824-01-02	JD71901-40	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-02-03	JD71901-41	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-03-04	JD71901-42	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-04-05	JD71901-43A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-F-G-2-3-230824-05-06	JD71901-44	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-06-07	JD71901-45	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-00-01	JD71901-46	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-01-02	JD71901-47	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-02-03	JD71901-48	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-03-04	JD71901-49A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-1-230824-04-05	JD71901-50	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-05-06	JD71901-51	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-06-07	JD71901-52	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-00-01	JD71901-53	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-01-02	JD71901-54	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-02-03	JD71901-55	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-03-04	JD71901-56	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-04-05	JD71901-57A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-G-H-2-3-230824-05-06	JD71901-58	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-06-6.5	JD71901-59	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-00-01	JD71901-60	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-01-02	JD71901-61	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-02-03	JD71901-62	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-03-04	JD71901-63A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-4-5-230826-04-05	JD71901-64	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-05-06	JD71901-65	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-G-H-4-5-230826-06-07	JD71901-66	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-07-08	JD71901-67A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-5-6-230826-00-01	JD71901-69	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-01-02	JD71901-70A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-5-6-230826-02-03	JD71901-71	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-03-04	JD71901-72	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-04-05	JD71901-73	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-05-06	JD71901-74A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-5-6-230826-06-07	JD71901-75	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-07-08	JD71901-76	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-BD0001	JD71901-77	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-00-01	JD71901-79	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-01-02	JD71901-80	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-02-03	JD71901-81A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-6-7-230826-03-04	JD71901-82	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-04-05	JD71901-83	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-05-06	JD71901-84	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-06-07	JD71901-85A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-6-7-230826-07-7.5	JD71901-86	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-BD0001	JD71901-87	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-00-01	JD71901-89	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-01-02	JD71901-90	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-02-03	JD71901-91	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-03-04	JD71901-92	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-04-05	JD71901-93A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-7-8-230826-05-06	JD71901-94	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-06-07	JD71901-95	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-BD0001	JD71901-96	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-230827-00-01	JD71901-98	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-230827-01-02	JD71901-99	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-230827-02-03	JD71901-100A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-8-9-230827-03-04	JD71901-101	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-230827-04-05	JD71901-102	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-BD0001	JD71901-103	JD71901	Sediment	TS, PCBs
SE-H-1-230827-00-01	JD71901-104	JD71901	Sediment	TS, PCBs
SE-H-1-230827-01-02	JD71901-105	JD71901	Sediment	TS, PCBs
SE-H-1-230827-02-03	JD71901-106	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-H-1-230827-03-04	JD71901-107A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-H-1-230827-04-05	JD71901-108	JD71901	Sediment	TS, PCBs
SE-H-1-230827-05-06	JD71901-109	JD71901	Sediment	TS, PCBs
SE-H-2-230828-00-01	JD71901-111	JD71901	Sediment	TS, PCBs
SE-H-2-230828-01-02	JD71901-112A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-2-230828-02-03	JD71901-113	JD71901	Sediment	TS, PCBs
SE-H-2-230828-03-04	JD71901-114	JD71901	Sediment	TS, PCBs
SE-H-2-230828-04-05	JD71901-115	JD71901	Sediment	TS, PCBs
SE-H-2-230828-05-06	JD71901-116	JD71901	Sediment	TS, PCBs
SE-H-2-230828-06-07	JD71901-117A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-2-BD0001	JD71901-118	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-00-01	JD71901-119	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-01-02	JD71901-120A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-3-4-230828-02-03	JD71901-121	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-03-04	JD71901-122	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-04-05	JD71901-123A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-3-4-230828-05-06	JD71901-124	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-06-07	JD71901-125	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-00-01	JD71901-126	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-01-02	JD71901-127	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-02-03	JD71901-128A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-7-8-230828-03-04	JD71901-129	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-04-05	JD71901-130	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-05-06	JD71901-131	JD71901	Sediment	MC, GS
SE-H-I-3-230826-00-01	JD71901-132	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-01-02	JD71901-133A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-I-3-230826-02-03	JD71901-134	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-03-04	JD71901-135	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-04-05	JD71901-136	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-05-06	JD71901-137	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-06-07	JD71901-138	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-07-08	JD71901-139A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-H-I-3-4-230826-00-01	JD71901-140	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-01-02	JD71901-141	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-02-03	JD71901-142	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-03-04	JD71901-143	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-H-I-3-4-230826-04-05	JD71901-144	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-05-06	JD71901-145	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-06-07	JD71901-146	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-07-08	JD71901-147	JD71901	Sediment	MC, GS
SE-H-I-4-5-230827-00-01	JD71901-149	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-01-02	JD71901-150	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-02-03	JD71901-151	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-03-04	JD71901-152A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-I-4-5-230827-04-05	JD71901-153	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-05-06	JD71901-154	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-06-07	JD71901-155	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-07-08	JD71901-156	JD71901	Sediment	MC, GS
SE-H-I-4-5-BD0001	JD71901-157	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-00-01	JD71901-158	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-01-02	JD71901-159	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-02-03	JD71901-160	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-03-04	JD71901-161	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-04-05	JD71901-162A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-H-I-5-6-230827-05-06	JD71901-163	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-06-07	JD71901-164	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-00-01	JD71901-165	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-01-02	JD71901-166	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-02-03	JD71901-167A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-I-6-7-230827-03-04	JD71901-168	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-04-05	JD71901-169	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-05-06	JD71901-170	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-06-07	JD71901-171	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-00-01	JD71901-172	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-01-02	JD71901-173A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-I-9-10-230827-02-03	JD71901-174	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-03-04	JD71901-175	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-04-05	JD71901-176	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-05-5.5	JD71901-177	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-00-01	JD71901-178	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-01-02	JD71901-179	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-02-03	JD71901-180A	JD71901	Sediment	MC, TS, PCBs, GS
SE-I-J-2-230828-03-04	JD71901-181	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-I-J-2-230828-04-05	JD71901-182	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-05-06	JD71901-183	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-07-08	JD71901-184	JD71901	Sediment	MC, GS
SE-I-J-3-4-230828-00-01	JD71901-185	JD71901	Sediment	TS, PCBs
SE-I-J-3-4-230828-01-02	JD71901-186A	JD71901	Sediment	MC, TS, PCBs, GS
SE-I-J-3-4-230828-02-03	JD71901-187	JD71901	Sediment	TS, PCBs
SE-I-J-3-4-230828-03-04	JD71901-188	JD71901	Sediment	TS, PCBs
SE-I-J-3-4-230828-04-05	JD71901-189	JD71901	Sediment	TS, PCBs

Data Validation Report – EPA Stage 2A

January 26, 2024

Project: GE Housatonic River Floodplain
Project Number: 230469-05.01
DVR Number: AQ-2023-0220

This report summarizes the review of analytical results for 163 sediment samples, 9 field duplicate samples, and 9 equipment rinsate blanks collected in August 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
- Specific gravity (SG) by ASTM D1429
- Density by SM2937
- Organic content (OC) by ASTM D2974

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)
- *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

Nine 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

Nine field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them and assessed using $\pm$ twice the MRL. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD specified in the quality assurance project plan. 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-D-7-8-230820-00-01	SE-D-7-8-BD0001	RPD	Difference	Difference CL
Aroclor 1260	3840 µg/kg	2880 µg/kg	29%	--	--
Total solids	23.8 %	23.6 %	1%	--	--

Analyte	SE-E-8-9-230821-01-02	SE-E-8-9-BD0001	RPD	Difference	Difference CL
Aroclor 1260	15000 µg/kg	50600 µg/kg	109%	--	--
Total solids	32.1 %	33.2 %	3%	--	--

Analyte	SE-E-F-4-5-230820-04-05	SE-E-F-4-5-BD0001	RPD	Difference	Difference CL
Aroclor 1260	622 µg/kg	39U µg/kg	176%	--	--
Total solids	48.9 %	48.8 %	0%	--	--

Analyte	SE-C-5-6-230819-00-01	SE-C-5-6-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1970 µg/kg	1660 µg/kg	17%	--	--
Total solids	52.9 %	56.4 %	6%	--	--

Analyte	SE-E-F-9-10-230822-01-02	SE-E-F-9-10-BD0001	RPD	Difference	Difference CL
Aroclor 1260	413 µg/kg	250 µg/kg	49%	--	--
Total solids	44.9 %	40.6 %	10%	--	--

Analyte	SE-F-G-6-7-230822-02-03	SE-F-G-6-7-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1270 µg/kg	21.7 µg/kg	193%	--	--
Total solids	57.8 %	61.7 %	7%	--	--

Analyte	SE-F-G-8-9-230823-02-03	SE-F-G-8-9-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1020 µg/kg	588 µg/kg	54%	--	--
Total solids	55.6 %	54.1 %	3%	--	--

Analyte	SE-F-G-9-10-230822-05-06	SE-F-G-9-10-BD0001	RPD	Difference	Difference CL
Aroclor 1260	140 µg/kg	3550 µg/kg	--	3410.0 µg/kg	280.0 µg/kg
Total solids	14.1 %	15.8 %	11%	--	--

Analyte	SE-G-7-230823-03-04	SE-G-7-BD0001	RPD	Difference	Difference CL
Aroclor 1260	38.5 µg/kg	106 µg/kg	--	67.5 µg/kg	62.0 µg/kg
Total solids	60.4 %	59.1 %	2%	--	--

Notes:

µg/kg: microgram per kilogram

Surrogate Spike Recoveries

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 (CLs) in these instances. When surrogate recoveries were outside of the CLs in one column, and results were reported from the other column no data were qualified. When surrogates recovered above CLs and sample results were below detection, no data were qualified. Surrogates recovered outside of CLs 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 exception of all surrogates for sample SE-G-7-BD0001 recovering above the CL. All detected sample results were qualified "J" for potential high bias.

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 (LCSs) and laboratory control sample duplicates (LCSDs) 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 CLs with the exception of the LCS in batch OP48767 for Aroclor 1016 and 1260. The LCS recovered below the control limit and all sample results were qualified "UJ" for potential 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 CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs with one exception. Aroclor 1260 recovered above the control limit in the MS and MSD analyzed on sample SE-F-G-6-7-BD0001. The RPD between the MS and MSD was also above the control limit. The Aroclor 1260 result was qualified "J" for potential high bias.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/TS, and GS analyses and RPD values were within project-required CLs.

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. 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-2308221004	PCBs	Aroclor 1016	0.40U µg/L	0.40UJ µg/L	LCS %R below CL
		Aroclor 1221	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1232	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1242	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1248	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1254	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1260	0.40U µg/L	0.40UJ µg/L	
RB-2308221413	PCBs	Aroclor 1016	0.40U µg/L	0.40UJ µg/L	LCS %R below CL
		Aroclor 1221	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1232	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1242	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1248	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1254	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1260	0.40U µg/L	0.40UJ µg/L	
RB-2308221714	PCBs	Aroclor 1016	0.40U µg/L	0.40UJ µg/L	LCS %R below CL
		Aroclor 1221	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1232	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1242	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1248	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1254	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1260	0.40U µg/L	0.40UJ µg/L	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2308230924	PCBs	Aroclor 1016	0.40U µg/L	0.40UJ µg/L	LCS %R below CL
		Aroclor 1221	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1232	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1242	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1248	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1254	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1260	0.40U µg/L	0.40UJ µg/L	
RB-2308231304	PCBs	Aroclor 1016	0.40U µg/L	0.40UJ µg/L	LCS %R below CL
		Aroclor 1221	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1232	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1242	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1248	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1254	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1260	0.40U µg/L	0.40UJ µg/L	
SE-E-8-9-230821-01-02	PCBs	Aroclor 1260	15000 µg/kg	15000J µg/kg	FD RPD above CL
SE-E-8-9-BD0001	PCBs	Aroclor 1260	50600 µg/kg	50600J µg/kg	FD RPD above CL
SE-E-F-4-5-230820-04-05	PCBs	Aroclor 1260	622 µg/kg	622J µg/kg	FD RPD above CL
SE-E-F-4-5-BD0001	PCBs	Aroclor 1260	39U µg/kg	39UJ µg/kg	FD RPD above CL
SE-F-G-6-7-230822-02-03	PCBs	Aroclor 1260	1270 µg/kg	1270J µg/kg	FD RPD above CL
SE-F-G-6-7-BD0001	PCBs	Aroclor 1260	21.7 µg/kg	21.7J µg/kg	MS/MSD RPD above CL; FD RPD above CL; MS/MSD %R above CL
SE-F-G-8-9-230823-02-03	PCBs	Aroclor 1260	1020 µg/kg	1020J µg/kg	FD RPD above CL
SE-F-G-8-9-BD0001	PCBs	Aroclor 1260	588 µg/kg	588J µg/kg	FD RPD above CL
SE-F-G-9-10-230822-05-06	PCBs	Aroclor 1260	140U µg/kg	140UJ µg/kg	FD RPD above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-F-G-9-10-BD0001	PCBs	Aroclor 1260	3550 µg/kg	3550J µg/kg	FD RPD above CL
SE-G-7-230823-03-04	PCBs	Aroclor 1260	38.5 µg/kg	38.5J µg/kg	FD RPD above CL
SE-G-7-BD0001	PCBs	Aroclor 1260	106 µg/kg	106J µg/kg	Surrogate %R above CL; FD RPD above CL

Notes:

%R: percent recovery

FD: field duplicate

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

Table 1-1
Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2308200849	JD71457-10	JD71457	Water	PCBs
RB-2308201612	JD71457-25	JD71457	Water	PCBs
RB-2308211226	JD71457-21	JD71457	Water	PCBs
SE-A-B-8-9-230819-00-01	JD71457-1	JD71457	Sediment	PCBs, TS
SE-A-B-8-9-230819-01-02	JD71457-2	JD71457	Sediment	PCBs, TS
SE-B-C-7-8-230819-00-01	JD71457-3A	JD71457	Sediment	PCBs, GS, MC, TS
SE-B-C-7-8-230819-01-02	JD71457-4	JD71457	Sediment	PCBs, TS
SE-B-C-8-9-230819-00-01	JD71457-5	JD71457	Sediment	PCBs, TS
SE-B-C-8-9-230819-01-02	JD71457-6A	JD71457	Sediment	PCBs, GS, MC, TS
SE-C-D-8-9-230820-00-01	JD71457-7	JD71457	Sediment	PCBs, TS
SE-C-D-8-9-230820-01-02	JD71457-8	JD71457	Sediment	PCBs, TS
SE-C-D-8-9-230820-02-03	JD71457-9	JD71457	Sediment	GS, MC
SE-D-7-8-230820-00-01	JD71457-11	JD71457	Sediment	PCBs, TS
SE-D-7-8-230820-01-02	JD71457-12	JD71457	Sediment	PCBs, TS
SE-D-7-8-230820-02-03	JD71457-13	JD71457	Sediment	OC, GS, SG, MC, Density
SE-D-7-8-BD0001	JD71457-14	JD71457	Sediment	PCBs, TS
SE-D-E-5-6-230820-00-01	JD71457-15	JD71457	Sediment	PCBs, TS
SE-D-E-5-6-230820-01-02	JD71457-16A	JD71457	Sediment	PCBs, GS, MC, TS
SE-D-E-6-7-230820-00-01	JD71457-17	JD71457	Sediment	PCBs, TS
SE-D-E-6-7-230820-01-02	JD71457-18A	JD71457	Sediment	PCBs, GS, MC, TS
SE-E-7-230821-00-01	JD71457-19A	JD71457	Sediment	PCBs, GS, MC, TS
SE-E-7-230821-01-02	JD71457-20	JD71457	Sediment	PCBs, TS
SE-E-8-9-230821-00-01	JD71457-22	JD71457	Sediment	PCBs, TS
SE-E-8-9-230821-01-02	JD71457-23	JD71457	Sediment	PCBs, TS
SE-E-8-9-BD0001	JD71457-24	JD71457	Sediment	PCBs, TS
SE-E-F-4-5-230820-00-01	JD71457-26	JD71457	Sediment	PCBs, TS
SE-E-F-4-5-230820-01-02	JD71457-27	JD71457	Sediment	PCBs, TS
SE-E-F-4-5-230820-02-03	JD71457-28A	JD71457	Sediment	PCBs, GS, MC, TS
SE-E-F-4-5-230820-03-04	JD71457-29	JD71457	Sediment	PCBs, TS
SE-E-F-4-5-230820-04-05	JD71457-30	JD71457	Sediment	PCBs, TS
SE-E-F-4-5-230820-05-06	JD71457-31	JD71457	Sediment	PCBs, TS
SE-E-F-4-5-230820-06-07	JD71457-32	JD71457	Sediment	OC, GS, SG, MC, Density
SE-E-F-4-5-BD0001	JD71457-33	JD71457	Sediment	PCBs, TS
SE-E-F-5-6-230821-00-01	JD71457-34	JD71457	Sediment	PCBs, TS
SE-E-F-5-6-230821-01-02	JD71457-35	JD71457	Sediment	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-E-F-5-6-230821-02-03	JD71457-36	JD71457	Sediment	PCBs, TS
SE-E-F-5-6-230821-03-04	JD71457-37A	JD71457	Sediment	PCBs, GS, MC, TS
SE-E-F-5-6-230821-04-05	JD71457-38	JD71457	Sediment	PCBs, TS
SE-E-F-6-7-230821-00-01	JD71457-39	JD71457	Sediment	PCBs, TS
SE-E-F-6-7-230821-01-02	JD71457-40	JD71457	Sediment	PCBs, TS
SE-E-F-6-7-230821-02-03	JD71457-41A	JD71457	Sediment	PCBs, GS, MC, TS
SE-E-F-6-7-230821-03-04	JD71457-42	JD71457	Sediment	PCBs, TS
SE-E-F-6-7-230821-04-05	JD71457-43	JD71457	Sediment	PCBs, TS
SE-E-F-6-7-230821-05-06	JD71457-44	JD71457	Sediment	PCBs, TS
SE-E-F-6-7-230821-06-07	JD71457-45	JD71457	Sediment	PCBs, TS
SE-E-F-6-7-230821-07-08	JD71457-46	JD71457	Sediment	PCBs, TS
SE-E-F-6-7-230821-08-09	JD71457-47	JD71457	Sediment	GS, MC
SE-E-F-7-8-230821-00-01	JD71457-48	JD71457	Sediment	PCBs, TS
SE-E-F-7-8-230821-01-02	JD71457-49A	JD71457	Sediment	PCBs, Density, MC, TS, GS, OC, SG
SE-E-F-7-8-230821-02-03	JD71457-50	JD71457	Sediment	PCBs, TS
SE-E-F-7-8-230821-03-04	JD71457-51	JD71457	Sediment	PCBs, TS
SE-E-F-7-8-230821-04-05	JD71457-52	JD71457	Sediment	PCBs, TS
SE-E-F-7-8-230821-05-06	JD71457-53	JD71457	Sediment	PCBs, TS
SE-E-F-7-8-230821-06-07	JD71457-54	JD71457	Sediment	PCBs, TS
RB-2308190938	JD71459-6	JD71459	Water	PCBs
SE-A-7-8-230819-00-01	JD71459-1	JD71459	Sediment	PCBs, TS
SE-A-7-8-230819-01-02	JD71459-2	JD71459	Sediment	PCBs, TS
SE-A-7-8-230819-02-03	JD71459-3	JD71459	Sediment	GS, MC
SE-B-6-230818-00-01	JD71459-4	JD71459	Sediment	PCBs, TS
SE-B-6-230818-01-02	JD71459-5	JD71459	Sediment	PCBs, TS
SE-B-6-7-230819-00-01	JD71459-7	JD71459	Sediment	PCBs, TS
SE-B-6-7-230819-01-02	JD71459-8A	JD71459	Sediment	PCBs, GS, MC, TS
SE-C-4-5-230818-00-01	JD71459-9A	JD71459	Sediment	PCBs, Density, MC, TS, GS, OC, SG
SE-C-4-5-230818-01-02	JD71459-10	JD71459	Sediment	PCBs, TS
SE-C-4-5-230818-02-03	JD71459-11	JD71459	Sediment	PCBs, TS
SE-C-4-5-230818-03-04	JD71459-12	JD71459	Sediment	PCBs, TS
SE-C-5-6-230819-00-01	JD71459-13	JD71459	Sediment	PCBs, TS
SE-C-5-6-230819-01-02	JD71459-14	JD71459	Sediment	PCBs, TS
SE-C-5-6-230819-02-03	JD71459-15	JD71459	Sediment	GS, MC
SE-C-5-6-BD0001	JD71459-16	JD71459	Sediment	PCBs, TS
SE-C-6-230819-00-01	JD71459-17A	JD71459	Sediment	PCBs, Density, MC, TS, GS, OC, SG

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-C-6-230819-01-02	JD71459-18	JD71459	Sediment	PCBs, TS
SE-C-D-4-5-230818-00-01	JD71459-19	JD71459	Sediment	PCBs, TS
SE-C-D-4-5-230818-01-02	JD71459-20	JD71459	Sediment	PCBs, TS
SE-C-D-4-5-230818-03-04	JD71459-21	JD71459	Sediment	GS, MC
SE-C-D-6-230818-00-01	JD71459-22	JD71459	Sediment	PCBs, TS
SE-C-D-6-230818-01-02	JD71459-23	JD71459	Sediment	PCBs, TS
SE-C-D-6-230818-02-03	JD71459-24	JD71459	Sediment	GS, MC
SE-D-E-4-5-230817-00-01	JD71462-1	JD71462	Sediment	PCBs, TS
SE-D-E-4-5-230817-01-02	JD71462-2	JD71462	Sediment	PCBs, TS
RB-2308221004	JD71652-47	JD71652	Water	PCBs
RB-2308221413	JD71652-16	JD71652	Water	PCBs
RB-2308221714	JD71652-73	JD71652	Water	PCBs
RB-2308230924	JD71652-87	JD71652	Water	PCBs
RB-2308231304	JD71652-64	JD71652	Water	PCBs
SE-E-F-2-3-230823-00-01	JD71652-1	JD71652	Sediment	PCBs, TS
SE-E-F-2-3-230823-01-02	JD71652-2A	JD71652	Sediment	PCBs, Density, MC, TS, GS, OC, SG
SE-E-F-2-3-230823-02-03	JD71652-3	JD71652	Sediment	PCBs, TS
SE-E-F-2-3-230823-03-04	JD71652-4	JD71652	Sediment	PCBs, TS
SE-E-F-2-3-230823-04-05	JD71652-5	JD71652	Sediment	PCBs, TS
SE-E-F-2-3-230823-05-06	JD71652-6A	JD71652	Sediment	PCBs, GS, MC, TS
SE-E-F-8-230822-00-01	JD71652-7A	JD71652	Sediment	PCBs, GS, MC, TS
SE-E-F-8-230822-01-02	JD71652-8	JD71652	Sediment	PCBs, TS
SE-E-F-8-230822-02-03	JD71652-9	JD71652	Sediment	PCBs, TS
SE-E-F-8-230822-03-04	JD71652-10	JD71652	Sediment	PCBs, TS
SE-E-F-8-230822-04-05	JD71652-11	JD71652	Sediment	PCBs, TS
SE-E-F-8-230822-05-06	JD71652-12	JD71652	Sediment	PCBs, TS
SE-E-F-8-230822-06-07	JD71652-13	JD71652	Sediment	PCBs, TS
SE-E-F-8-230822-07-08	JD71652-14	JD71652	Sediment	PCBs, TS
SE-E-F-8-230822-08-09	JD71652-15	JD71652	Sediment	GS, MC
SE-E-F-9-10-230822-00-01	JD71652-17	JD71652	Sediment	PCBs, TS
SE-E-F-9-10-230822-01-02	JD71652-18	JD71652	Sediment	PCBs, TS
SE-E-F-9-10-230822-02-03	JD71652-19A	JD71652	Sediment	PCBs, GS, MC, TS
SE-E-F-9-10-230822-03-04	JD71652-20	JD71652	Sediment	PCBs, TS
SE-E-F-9-10-230822-04-05	JD71652-21	JD71652	Sediment	PCBs, TS
SE-E-F-9-10-230822-05-06	JD71652-22	JD71652	Sediment	PCBs, TS
SE-E-F-9-10-230822-06-07	JD71652-23A	JD71652	Sediment	PCBs, Density, MC, TS, GS, OC, SG

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-E-F-9-10-BD0001	JD71652-24	JD71652	Sediment	PCBs, TS
SE-F-3-230822-00-01	JD71652-25	JD71652	Sediment	PCBs, TS
SE-F-3-230822-01-02	JD71652-26A	JD71652	Sediment	PCBs, GS, MC, TS
SE-F-3-230822-02-03	JD71652-27	JD71652	Sediment	PCBs, TS
SE-F-3-230822-03-04	JD71652-28	JD71652	Sediment	PCBs, TS
SE-F-3-230822-04-05	JD71652-29A	JD71652	Sediment	PCBs, GS, MC, TS
SE-F-3-230822-05-06	JD71652-30	JD71652	Sediment	PCBs, TS
SE-F-3-230822-06-07	JD71652-31	JD71652	Sediment	PCBs, TS
SE-F-G-4-5-230822-00-01	JD71652-32	JD71652	Sediment	PCBs, TS
SE-F-G-4-5-230822-01-02	JD71652-33	JD71652	Sediment	PCBs, TS
SE-F-G-4-5-230822-02-03	JD71652-34	JD71652	Sediment	PCBs, TS
SE-F-G-4-5-230822-03-04	JD71652-35	JD71652	Sediment	PCBs, TS
SE-F-G-4-5-230822-04-05	JD71652-36A	JD71652	Sediment	PCBs, GS, MC, TS
SE-F-G-4-5-230822-05-06	JD71652-37	JD71652	Sediment	PCBs, TS
SE-F-G-4-5-230822-06-07	JD71652-38	JD71652	Sediment	PCBs, TS
SE-F-G-4-5-230822-08-09	JD71652-39	JD71652	Sediment	GS, MC
SE-F-G-5-6-230822-00-01	JD71652-40	JD71652	Sediment	PCBs, TS
SE-F-G-5-6-230822-01-02	JD71652-41	JD71652	Sediment	PCBs, TS
SE-F-G-5-6-230822-02-03	JD71652-42A	JD71652	Sediment	PCBs, GS, MC, TS
SE-F-G-5-6-230822-03-04	JD71652-43	JD71652	Sediment	PCBs, TS
SE-F-G-5-6-230822-04-05	JD71652-44	JD71652	Sediment	PCBs, TS
SE-F-G-5-6-230822-05-06	JD71652-45	JD71652	Sediment	PCBs, TS
SE-F-G-5-6-230822-06-07	JD71652-46	JD71652	Sediment	GS, MC
SE-F-G-6-7-230822-00-01	JD71652-48	JD71652	Sediment	PCBs, TS
SE-F-G-6-7-230822-01-02	JD71652-49	JD71652	Sediment	PCBs, TS
SE-F-G-6-7-230822-02-03	JD71652-50	JD71652	Sediment	PCBs, TS
SE-F-G-6-7-230822-03-04	JD71652-51A	JD71652	Sediment	PCBs, Density, MC, TS, GS, OC, SG
SE-F-G-6-7-230822-04-05	JD71652-52	JD71652	Sediment	PCBs, TS
SE-F-G-6-7-230822-05-06	JD71652-53	JD71652	Sediment	PCBs, TS
SE-F-G-6-7-230822-06-07	JD71652-54	JD71652	Sediment	PCBs, TS
SE-F-G-6-7-230822-07-08	JD71652-55A	JD71652	Sediment	PCBs, GS, MC, TS
SE-F-G-6-7-BD0001	JD71652-56	JD71652	Sediment	PCBs, TS
SE-F-G-8-230823-00-01	JD71652-57A	JD71652	Sediment	PCBs, GS, MC, TS
SE-F-G-8-230823-01-02	JD71652-58	JD71652	Sediment	PCBs, TS
SE-F-G-8-230823-02-03	JD71652-59	JD71652	Sediment	PCBs, TS
SE-F-G-8-230823-03-04	JD71652-60	JD71652	Sediment	PCBs, TS
SE-F-G-8-230823-04-05	JD71652-61	JD71652	Sediment	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-F-G-8-230823-05-06	JD71652-62	JD71652	Sediment	PCBs, TS
SE-F-G-8-230823-06-07	JD71652-63	JD71652	Sediment	PCBs, TS
SE-F-G-8-9-230823-00-01	JD71652-65	JD71652	Sediment	PCBs, TS
SE-F-G-8-9-230823-01-02	JD71652-66	JD71652	Sediment	PCBs, TS
SE-F-G-8-9-230823-02-03	JD71652-67	JD71652	Sediment	PCBs, TS
SE-F-G-8-9-230823-03-04	JD71652-68A	JD71652	Sediment	PCBs, GS, MC, TS
SE-F-G-8-9-230823-04-05	JD71652-69	JD71652	Sediment	PCBs, TS
SE-F-G-8-9-230823-05-06	JD71652-70	JD71652	Sediment	PCBs, TS
SE-F-G-8-9-230823-06-07	JD71652-71A	JD71652	Sediment	PCBs, GS, MC, TS
SE-F-G-8-9-BD0001	JD71652-72	JD71652	Sediment	PCBs, TS
SE-F-G-9-10-230822-00-01	JD71652-74	JD71652	Sediment	PCBs, TS
SE-F-G-9-10-230822-01-02	JD71652-75	JD71652	Sediment	PCBs, TS
SE-F-G-9-10-230822-02-03	JD71652-76	JD71652	Sediment	PCBs, TS
SE-F-G-9-10-230822-03-04	JD71652-77	JD71652	Sediment	PCBs, TS
SE-F-G-9-10-230822-04-05	JD71652-78A	JD71652	Sediment	PCBs, Density, MC, TS, GS, OC, SG
SE-F-G-9-10-230822-05-06	JD71652-79	JD71652	Sediment	PCBs, TS
SE-F-G-9-10-BD0001	JD71652-80	JD71652	Sediment	PCBs, TS
SE-G-5-230823-00-01	JD71652-81	JD71652	Sediment	PCBs, TS
SE-G-5-230823-01-02	JD71652-82	JD71652	Sediment	PCBs, TS
SE-G-5-230823-02-03	JD71652-83A	JD71652	Sediment	PCBs, GS, MC, TS
SE-G-5-230823-03-04	JD71652-84	JD71652	Sediment	PCBs, TS
SE-G-5-230823-04-05	JD71652-85	JD71652	Sediment	PCBs, TS
SE-G-5-230823-05-06	JD71652-86	JD71652	Sediment	PCBs, TS
SE-G-7-230823-00-01	JD71652-88	JD71652	Sediment	PCBs, TS
SE-G-7-230823-01-02	JD71652-89A	JD71652	Sediment	PCBs, GS, MC, TS
SE-G-7-230823-02-03	JD71652-90	JD71652	Sediment	PCBs, TS
SE-G-7-230823-03-04	JD71652-91	JD71652	Sediment	PCBs, TS
SE-G-7-230823-04-05	JD71652-92	JD71652	Sediment	PCBs, TS
SE-G-7-230823-05-06	JD71652-93	JD71652	Sediment	PCBs, TS
SE-G-7-230823-06-07	JD71652-94A	JD71652	Sediment	PCBs, Density, MC, TS, GS, OC, SG
SE-G-7-BD0001	JD71652-95	JD71652	Sediment	PCBs, TS
SE-G-H-9-10-230823-00-01	JD71652-96	JD71652	Sediment	PCBs, TS
SE-G-H-9-10-230823-01-02	JD71652-97	JD71652	Sediment	PCBs, TS
SE-G-H-9-10-230823-02-03	JD71652-98	JD71652	Sediment	PCBs, TS
SE-G-H-9-10-230823-03-04	JD71652-99	JD71652	Sediment	PCBs, TS
SE-G-H-9-10-230823-04-05	JD71652-100	JD71652	Sediment	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-G-H-9-10-230823-05-06	JD71652-101A	JD71652	Sediment	PCBs, GS, MC, TS

Data Validation Report – EPA Stage 2A

January 31, 2024

Project: GE Housatonic River Floodplain

Project Number: 230469-05.01

DVR Number: AQ-2023-0221

This report summarizes the review of analytical results for 178 sediment samples, 7 field duplicate samples, and 7 equipment rinsate blanks collected in August and September 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 method D2216
- Specific gravity (SG) by ASTM method D1429
- Bulk density by ASTM method 2937
- Organic content (OC) by ASTM method D2974

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)
- *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

Seven 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

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 specified in the quality assurance project plan. Field duplicate RPD were within control limits (CLs) with some exceptions. Parent sample and duplicate results associated with RPD or difference values above CLs have been qualified "J" to indicate they are estimated.

Table 1
Field Duplicate Summary

Analyte	SE-I-4-230829-01-02	SE-I-4-BD0001	RPD
Aroclor 1254	4170 µg/kg	1070 µg/kg	118%
Aroclor 1260	11500 µg/kg	3750 µg/kg	102%
Total solids	28.0 %	24.5 %	13%

Analyte	SE-J-5-230830-00-01	SE-J-5-BD0001	RPD
Aroclor 1260	2750 µg/kg	1770 µg/kg	43%
Total solids	18.5 %	19.4 %	5%

Analyte	SE-J-5-230830-00-01	SE-J-5-BD0001	RPD
Analyte	SE-K-L-8-9-230902-00-01	SE-K-L-8-9-BD0001	RPD
Aroclor 1260	5680 µg/kg	4960 µg/kg	14%
TS	9.4 %	9.7 %	3%

Analyte	SE-L-M-7-8-230831-02-03	SE-L-M-7-8-BD0001	RPD
Total solids	13.5 %	11.2 %	19%

Analyte	SE-M-8-230831-00-01	SE-M-8-BD0001	RPD
Aroclor 1260	6780 µg/kg	23200 µg/kg	110%
Total solids	27.7 %	31.1 %	12%

Analyte	SE-J-K-7-8-230912-01-02	SE-J-K-7-8-BD0001	RPD
Aroclor 1260	10400 µg/kg	34600 µg/kg	108%
Total solids	18.0 %	19.8 %	10%

Analyte	SE-576-52-W-230915-00-01	SE-576-52-W-BD0001	RPD
Aroclor 1260	2320 µg/kg	3400 µg/kg	38%
Total solids	31.8 %	32.7 %	3%

Notes:

µg/kg: microgram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required CLs with some 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 CLs in these instances. When surrogate recoveries were outside of the CLs in one column, but results were reported from the other column no data were qualified. When surrogates recovered above the CL and sample results were not detected, no data were qualified. Surrogates recovered outside of CLs 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 CLs except for the decachlorobiphenyl (DCB) surrogate recovering below 10% for sample RB-2309121452. The sample results for this sample were rejected due to the low recovery.

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 (LCSs) and laboratory control sample duplicates (LCSDs) were analyzed at the required frequency. No data were qualified when the recoveries and/or the RPD values were above the CLs and sample concentration were not detected. Recoveries and/or RPD values within project-required CLs except for the second LCS in batch OP49079 for Aroclor 1260. The LCSD recovered below the CLs and all sample results were qualified "UJ" for potential 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 CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs with the following exceptions:

- SDG JD72069
 - Aroclor 1016 and 1260 recovered below the CL in the MS and/or MSD analyzed on sample SE-J-K-4-5-230830-02-03. All sample results have been qualified "UJ" for potential low bias.
- SDG JD72273
 - Aroclor 1016 recovered below the CL in the MSD analyzed on sample SE-L-M-7-8-230831-01-02. Associated sample results have been qualified "UJ" for potential low bias.
 - Aroclor 1016 and 1260 recovered below the CL in the MS and/or MSD analyzed on sample SE-M-7-8-230831-02-03. All sample results have been qualified "UJ" for potential low bias.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for moisture content/TS, and GS analyses and RPD values were within project-required CLs.

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. Seven results in one sample were rejected due to low 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-2308311015	PCBs	Aroclor 1248	0.40U µg/L	0.40UJ µg/L	LCS %R below CL
		Aroclor 1254	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1260	0.40U µg/L	0.40UJ µg/L	
RB-2308311514	PCBs	Aroclor 1248	0.40U µg/L	0.40UJ µg/L	LCS %R below CL
		Aroclor 1254	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1260	0.40U µg/L	0.40UJ µg/L	
RB-2309020847	PCBs	Aroclor 1248	0.40U µg/L	0.40UJ µg/L	LCS %R below CL
		Aroclor 1254	0.40U µg/L	0.40UJ µg/L	
		Aroclor 1260	0.40U µg/L	0.40UJ µg/L	
RB-2309121452	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	
SE-I-4-230829-01-02	PCBs	Aroclor 1254	4170 µg/kg	4170J µg/kg	FD RPD above CL
		Aroclor 1260	11500 µg/kg	11500J µg/kg	
SE-I-4-BD0001	PCBs	Aroclor 1254	1070 µg/kg	1070J µg/kg	FD RPD above CL
		Aroclor 1260	3750 µg/kg	3750J µg/kg	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
SE-J-K-4-5-230830-02-03	PCBs	Aroclor 1016	50U µg/kg	50UJ µg/kg	MSD %R below CL
		Aroclor 1221	50U µg/kg	50UJ µg/kg	
		Aroclor 1232	50U µg/kg	50UJ µg/kg	
		Aroclor 1242	50U µg/kg	50UJ µg/kg	
		Aroclor 1248	50U µg/kg	50UJ µg/kg	MS/MSD %R below CL
		Aroclor 1254	50U µg/kg	50UJ µg/kg	
		Aroclor 1260	50U µg/kg	50UJ µg/kg	
SE-J-K-7-8-230912-01-02	PCBs	Aroclor 1260	10400 µg/kg	10400J µg/kg	FD RPD above CL
SE-J-K-7-8-BD0001	PCBs	Aroclor 1260	34600 µg/kg	34600J µg/kg	FD RPD above CL
SE-L-M-7-8-230831-01-02	PCBs	Aroclor 1016	150U µg/kg	150UJ µg/kg	MSD %R below CL
		Aroclor 1221	150U µg/kg	150UJ µg/kg	
		Aroclor 1232	150U µg/kg	150UJ µg/kg	
		Aroclor 1242	150U µg/kg	150UJ µg/kg	
SE-M-7-8-230831-02-03	PCBs	Aroclor 1016	330U µg/kg	330UJ µg/kg	MS and/or MSD %R below CL
		Aroclor 1221	330U µg/kg	330UJ µg/kg	
		Aroclor 1232	330U µg/kg	330UJ µg/kg	
		Aroclor 1242	330U µg/kg	330UJ µg/kg	
		Aroclor 1248	330U µg/kg	330UJ µg/kg	
		Aroclor 1254	330U µg/kg	330UJ µg/kg	
		Aroclor 1260	330U µg/kg	330UJ µg/kg	
SE-M-8-230831-00-01	PCBs	Aroclor 1260	6780 µg/kg	6780J µg/kg	FD RPD above CL
SE-M-8-BD0001	PCBs	Aroclor 1260	23200 µg/kg	23200J µg/kg	FD RPD above CL

Notes:

%R: percent recovery

FD: field duplicate

References

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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.

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Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Table 1-1
Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
RB-2308240934	JD71901-8	JD71901	Water	PCBs
RB-2308241300	JD71901-31	JD71901	Water	PCBs
RB-2308260843	JD71901-68	JD71901	Water	PCBs
RB-2308261117	JD71901-78	JD71901	Water	PCBs
RB-2308261531	JD71901-88	JD71901	Water	PCBs
RB-2308270945	JD71901-148	JD71901	Water	PCBs
RB-2308271639	JD71901-97	JD71901	Water	PCBs
RB-2308281011	JD71901-110	JD71901	Water	PCBs
SE-E-F-3-4-230824-00-01	JD71901-1	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-01-02	JD71901-2	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-02-03	JD71901-3A	JD71901	Sediment	MC, TS, PCBs, GS
SE-E-F-3-4-230824-03-04	JD71901-4	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-04-05	JD71901-5	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-05-06	JD71901-6	JD71901	Sediment	TS, PCBs
SE-E-F-3-4-230824-06-6.5	JD71901-7	JD71901	Sediment	TS, PCBs
SE-F-2-230824-00-01	JD71901-9	JD71901	Sediment	TS, PCBs
SE-F-2-230824-01-02	JD71901-10	JD71901	Sediment	TS, PCBs
SE-F-2-230824-02-03	JD71901-11A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-2-230824-03-04	JD71901-12	JD71901	Sediment	TS, PCBs
SE-F-2-230824-04-05	JD71901-13	JD71901	Sediment	TS, PCBs
SE-F-2-230824-05-06	JD71901-14	JD71901	Sediment	TS, PCBs
SE-F-2-230824-06-07	JD71901-15	JD71901	Sediment	MC, GS
SE-F-2-BD0001	JD71901-16	JD71901	Sediment	TS, PCBs
SE-F-6-230824-00-01	JD71901-17	JD71901	Sediment	TS, PCBs
SE-F-6-230824-01-02	JD71901-18	JD71901	Sediment	TS, PCBs
SE-F-6-230824-02-03	JD71901-19	JD71901	Sediment	TS, PCBs
SE-F-6-230824-03-04	JD71901-20	JD71901	Sediment	TS, PCBs
SE-F-6-230824-04-05	JD71901-21A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-6-230824-05-06	JD71901-22	JD71901	Sediment	TS, PCBs
SE-F-6-230824-06-07	JD71901-23	JD71901	Sediment	TS, PCBs
SE-F-9-230824-00-01	JD71901-24	JD71901	Sediment	TS, PCBs
SE-F-9-230824-01-02	JD71901-25	JD71901	Sediment	TS, PCBs
SE-F-9-230824-02-03	JD71901-26	JD71901	Sediment	TS, PCBs
SE-F-9-230824-03-04	JD71901-27	JD71901	Sediment	TS, PCBs
SE-F-9-230824-04-05	JD71901-28	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-F-9-230824-05-06	JD71901-29	JD71901	Sediment	TS, PCBs
SE-F-9-230824-06-6.5	JD71901-30	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-00-01	JD71901-32	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-01-02	JD71901-33A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-G-1-230824-02-03	JD71901-34	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-03-04	JD71901-35	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-04-05	JD71901-36	JD71901	Sediment	TS, PCBs
SE-F-G-1-230824-05-06	JD71901-37A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-G-1-BD0001	JD71901-38	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-00-01	JD71901-39A	JD71901	Sediment	MC, TS, PCBs, GS
SE-F-G-2-3-230824-01-02	JD71901-40	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-02-03	JD71901-41	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-03-04	JD71901-42	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-04-05	JD71901-43A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-F-G-2-3-230824-05-06	JD71901-44	JD71901	Sediment	TS, PCBs
SE-F-G-2-3-230824-06-07	JD71901-45	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-00-01	JD71901-46	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-01-02	JD71901-47	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-02-03	JD71901-48	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-03-04	JD71901-49A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-1-230824-04-05	JD71901-50	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-05-06	JD71901-51	JD71901	Sediment	TS, PCBs
SE-G-H-1-230824-06-07	JD71901-52	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-00-01	JD71901-53	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-01-02	JD71901-54	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-02-03	JD71901-55	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-03-04	JD71901-56	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-04-05	JD71901-57A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-G-H-2-3-230824-05-06	JD71901-58	JD71901	Sediment	TS, PCBs
SE-G-H-2-3-230824-06-6.5	JD71901-59	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-00-01	JD71901-60	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-01-02	JD71901-61	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-02-03	JD71901-62	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-03-04	JD71901-63A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-4-5-230826-04-05	JD71901-64	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-05-06	JD71901-65	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-G-H-4-5-230826-06-07	JD71901-66	JD71901	Sediment	TS, PCBs
SE-G-H-4-5-230826-07-08	JD71901-67A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-5-6-230826-00-01	JD71901-69	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-01-02	JD71901-70A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-5-6-230826-02-03	JD71901-71	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-03-04	JD71901-72	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-04-05	JD71901-73	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-05-06	JD71901-74A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-5-6-230826-06-07	JD71901-75	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-230826-07-08	JD71901-76	JD71901	Sediment	TS, PCBs
SE-G-H-5-6-BD0001	JD71901-77	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-00-01	JD71901-79	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-01-02	JD71901-80	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-02-03	JD71901-81A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-6-7-230826-03-04	JD71901-82	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-04-05	JD71901-83	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-05-06	JD71901-84	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-230826-06-07	JD71901-85A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-6-7-230826-07-7.5	JD71901-86	JD71901	Sediment	TS, PCBs
SE-G-H-6-7-BD0001	JD71901-87	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-00-01	JD71901-89	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-01-02	JD71901-90	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-02-03	JD71901-91	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-03-04	JD71901-92	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-04-05	JD71901-93A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-7-8-230826-05-06	JD71901-94	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-230826-06-07	JD71901-95	JD71901	Sediment	TS, PCBs
SE-G-H-7-8-BD0001	JD71901-96	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-230827-00-01	JD71901-98	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-230827-01-02	JD71901-99	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-230827-02-03	JD71901-100A	JD71901	Sediment	MC, TS, PCBs, GS
SE-G-H-8-9-230827-03-04	JD71901-101	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-230827-04-05	JD71901-102	JD71901	Sediment	TS, PCBs
SE-G-H-8-9-BD0001	JD71901-103	JD71901	Sediment	TS, PCBs
SE-H-1-230827-00-01	JD71901-104	JD71901	Sediment	TS, PCBs
SE-H-1-230827-01-02	JD71901-105	JD71901	Sediment	TS, PCBs
SE-H-1-230827-02-03	JD71901-106	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-H-1-230827-03-04	JD71901-107A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-H-1-230827-04-05	JD71901-108	JD71901	Sediment	TS, PCBs
SE-H-1-230827-05-06	JD71901-109	JD71901	Sediment	TS, PCBs
SE-H-2-230828-00-01	JD71901-111	JD71901	Sediment	TS, PCBs
SE-H-2-230828-01-02	JD71901-112A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-2-230828-02-03	JD71901-113	JD71901	Sediment	TS, PCBs
SE-H-2-230828-03-04	JD71901-114	JD71901	Sediment	TS, PCBs
SE-H-2-230828-04-05	JD71901-115	JD71901	Sediment	TS, PCBs
SE-H-2-230828-05-06	JD71901-116	JD71901	Sediment	TS, PCBs
SE-H-2-230828-06-07	JD71901-117A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-2-BD0001	JD71901-118	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-00-01	JD71901-119	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-01-02	JD71901-120A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-3-4-230828-02-03	JD71901-121	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-03-04	JD71901-122	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-04-05	JD71901-123A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-3-4-230828-05-06	JD71901-124	JD71901	Sediment	TS, PCBs
SE-H-3-4-230828-06-07	JD71901-125	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-00-01	JD71901-126	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-01-02	JD71901-127	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-02-03	JD71901-128A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-7-8-230828-03-04	JD71901-129	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-04-05	JD71901-130	JD71901	Sediment	TS, PCBs
SE-H-7-8-230828-05-06	JD71901-131	JD71901	Sediment	MC, GS
SE-H-I-3-230826-00-01	JD71901-132	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-01-02	JD71901-133A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-I-3-230826-02-03	JD71901-134	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-03-04	JD71901-135	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-04-05	JD71901-136	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-05-06	JD71901-137	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-06-07	JD71901-138	JD71901	Sediment	TS, PCBs
SE-H-I-3-230826-07-08	JD71901-139A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-H-I-3-4-230826-00-01	JD71901-140	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-01-02	JD71901-141	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-02-03	JD71901-142	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-03-04	JD71901-143	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-H-I-3-4-230826-04-05	JD71901-144	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-05-06	JD71901-145	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-06-07	JD71901-146	JD71901	Sediment	TS, PCBs
SE-H-I-3-4-230826-07-08	JD71901-147	JD71901	Sediment	MC, GS
SE-H-I-4-5-230827-00-01	JD71901-149	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-01-02	JD71901-150	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-02-03	JD71901-151	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-03-04	JD71901-152A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-I-4-5-230827-04-05	JD71901-153	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-05-06	JD71901-154	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-06-07	JD71901-155	JD71901	Sediment	TS, PCBs
SE-H-I-4-5-230827-07-08	JD71901-156	JD71901	Sediment	MC, GS
SE-H-I-4-5-BD0001	JD71901-157	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-00-01	JD71901-158	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-01-02	JD71901-159	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-02-03	JD71901-160	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-03-04	JD71901-161	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-04-05	JD71901-162A	JD71901	Sediment	MC, TS, Density, PCBs, GS, OC, SG
SE-H-I-5-6-230827-05-06	JD71901-163	JD71901	Sediment	TS, PCBs
SE-H-I-5-6-230827-06-07	JD71901-164	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-00-01	JD71901-165	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-01-02	JD71901-166	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-02-03	JD71901-167A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-I-6-7-230827-03-04	JD71901-168	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-04-05	JD71901-169	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-05-06	JD71901-170	JD71901	Sediment	TS, PCBs
SE-H-I-6-7-230827-06-07	JD71901-171	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-00-01	JD71901-172	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-01-02	JD71901-173A	JD71901	Sediment	MC, TS, PCBs, GS
SE-H-I-9-10-230827-02-03	JD71901-174	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-03-04	JD71901-175	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-04-05	JD71901-176	JD71901	Sediment	TS, PCBs
SE-H-I-9-10-230827-05-5.5	JD71901-177	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-00-01	JD71901-178	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-01-02	JD71901-179	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-02-03	JD71901-180A	JD71901	Sediment	MC, TS, PCBs, GS
SE-I-J-2-230828-03-04	JD71901-181	JD71901	Sediment	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-I-J-2-230828-04-05	JD71901-182	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-05-06	JD71901-183	JD71901	Sediment	TS, PCBs
SE-I-J-2-230828-07-08	JD71901-184	JD71901	Sediment	MC, GS
SE-I-J-3-4-230828-00-01	JD71901-185	JD71901	Sediment	TS, PCBs
SE-I-J-3-4-230828-01-02	JD71901-186A	JD71901	Sediment	MC, TS, PCBs, GS
SE-I-J-3-4-230828-02-03	JD71901-187	JD71901	Sediment	TS, PCBs
SE-I-J-3-4-230828-03-04	JD71901-188	JD71901	Sediment	TS, PCBs
SE-I-J-3-4-230828-04-05	JD71901-189	JD71901	Sediment	TS, PCBs

Data Validation Report – EPA Stage 2A

January 31, 2024

Project: GE Housatonic River Floodplain
Project Number: 230469-05.01
DVR Number: AQ-2024-0014

This report summarizes the review of analytical results for 190 soil samples, 9 field duplicate samples, and 10 equipment rinsate blanks collected in September and October 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 solids (TS) by Standard Method 2540G

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)
- *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

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

Field Duplicates

Nine field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them and assessed using $\pm$ twice the MRL. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD specified in the quality assurance project plan. Field duplicate RPD and 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	EA57-AR-18-230925-06-12	EA57-AR-18-BD0001	RPD	Difference	Difference CL
Total solids	38.9 %	37.6 %	3%	--	--

Analyte	EA57-AV-17-230922-06-12	EA57-AV-17-BD0002	RPD	Difference	Difference CL
Aroclor 1260	25.0 µg/kg	26.5 µg/kg	--	1.5 µg/kg	62.0 µg/kg
Total solids	64.0 %	63.4 %	1%	--	--

Analyte	EA56-AC-AD-23-230926-06-12	EA56-AC-AD-23-BD0001	RPD	Difference	Difference CL
Aroclor 1260	18400 µg/kg	23700 µg/kg	25%	--	--

Analyte	EA56-AC-AD-23-230926-06-12	EA56-AC-AD-23-BD0001	RPD	Difference	Difference CL
Total solids	46.5 %	46.1 %	1%	--	--

Analyte	EA56-AQ-AR-29-30-230927-06-12	EA56-AQ-AR-29-30-BD0001	RPD	Difference	Difference CL
Aroclor 1260	297000 µg/kg	139000 µg/kg	72%	--	--
Total solids	42.3 %	43.0 %	2%	--	--

Analyte	EA56-AZ-25-26-230926-00-06	EA56-AZ-25-26-BD0001	RPD	Difference	Difference CL
Aroclor 1260	3220 µg/kg	2750 µg/kg	16%	--	--
Total solids	51.9 %	48.6 %	7%	--	--

Analyte	EA57-X-3-4-230927-06-12	EA57-X-3-4-BD0001	RPD	Difference	Difference CL
Aroclor 1260	2420 µg/kg	2740 µg/kg	12%	--	--
Total solids	37.8 %	38.1 %	1%	--	--

Analyte	EA56-AS-28-231002-00-06	EA56-AS-28-BD0001	RPD	Difference	Difference CL
Aroclor 1260	9830 µg/kg	2300 µg/kg	124%	--	--
Total solids	32.0 %	33.6 %	5%	--	--

Analyte	EA57-AG-15-16-230928-00-06	EA57-AG-15-16-BD0001	RPD	Difference	Difference CL
Aroclor 1260	23.1 µg/kg	22.5 µg/kg	--	0.6 µg/kg	52.0 µg/kg
Total solids	75.4 %	75.3 %	0%	--	--

Analyte	EA57-AH-14-231002-06-12	EA57-AH-14-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1770 µg/kg	4900 µg/kg	94%	--	--
Total solids	20.5 %	19.1 %	7%	--	--

Notes:

µg/kg: microgram per kilogram

Surrogate Spike Recoveries

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. When surrogate recoveries were outside of the control limits (CLs) in one column, and

results were reported from the other column no data were qualified. When surrogates recovered above CLs and sample results were below detection, no data were qualified. Surrogates recovered outside of CLs in some laboratory QC samples; however, data are not qualified for surrogate outliers in QC samples alone. Surrogate recoveries were otherwise within CLs with the following exceptions:

- Decachlorobiphenyl (DCB) surrogate recovered below 10% for samples RB-2309281717, RB-2310021734, and RB-2310021753. These sample results were rejected due to the low recovery.
- DCB recovered above the control limit for samples EA56-AS-28-231002-00-06, EA56-AS-AT-26-231003-06-12, EA56-AV-25-231003-06-12, and EA56-BD-18-230927-06-12. The detected sample results were qualified "J" for potential high bias.

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 (LCSs) and laboratory control sample duplicates (LCSDs) were analyzed at the required frequency. No data were qualified when the recoveries and/or the RPD values were above the CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs.

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 CLs and sample concentration were below detection. Recoveries and/or RPD values were within project-required CLs with one exception. Aroclor 1260 recovered above the control limit in the MS analyzed on sample EA57-AK-AL-15-16-230928-00-06. The associated parent sample result has been qualified "J" for potential high bias.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for TS analysis and RPD values were within project-required CLs.

Method Reporting Limits

MRLs were acceptable as reported. All values were reported using the laboratory MRLs. Values were reported as undiluted or when diluted, the MRLs reflect 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 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
EA56-AQ-AR-29-30-230927-06-12	PCBs	Aroclor 1260	297000 µg/kg	297000J µg/kg	FD RPD above CL
EA56-AQ-AR-29-30-BD0001	PCBs	Aroclor 1260	139000 µg/kg	139000J µg/kg	FD RPD above CL
EA56-AS-28-231002-00-06	PCBs	Aroclor 1260	9830 µg/kg	9830J µg/kg	Surrogate %R above CL; FD RPD above CL
EA56-AS-28-BD0001	PCBs	Aroclor 1260	2300 µg/kg	2300J µg/kg	FD RPD above CL
EA56-AS-AT-26-231003-06-12	PCBs	Aroclor 1260	3650 µg/kg	3650J µg/kg	Surrogate %R above CL
EA56-AV-25-231003-06-12	PCBs	Aroclor 1260	5890 µg/kg	5890J µg/kg	Surrogate %R above CL
EA56-BD-18-230927-06-12	PCBs	Aroclor 1260	3650 µg/kg	3650J µg/kg	Surrogate %R above CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
EA57-AH-14-231002-06-12	PCBs	Aroclor 1260	1770 µg/kg	1770J µg/kg	FD RPD above CL
EA57-AH-14-BD0001	PCBs	Aroclor 1260	4900 µg/kg	4900J µg/kg	FD RPD above CL
EA57-AK-AL-15-16-230928-00-06	PCBs	Aroclor 1260	507 µg/kg	507J µg/kg	MS %R above CL
RB-2309281717	PCBs	Aroclor 1016	0.40U µg/L	R	Surrogate %R below 10%
		Aroclor 1221	0.40U µg/L		
		Aroclor 1232	0.40U µg/L		
		Aroclor 1242	0.40U µg/L		
		Aroclor 1248	0.40U µg/L		
		Aroclor 1254	0.40U µg/L		
		Aroclor 1260	0.40U µg/L		
RB-2310021734	PCBs	Aroclor 1016	0.40U µg/L	R	Surrogate %R below 10%
		Aroclor 1221	0.40U µg/L		
		Aroclor 1232	0.40U µg/L		
		Aroclor 1242	0.40U µg/L		
		Aroclor 1248	0.40U µg/L		
		Aroclor 1254	0.40U µg/L		
		Aroclor 1260	0.40U µg/L		
RB-2310021753	PCBs	Aroclor 1016	0.40U µg/L	R	Surrogate %R below 10%
		Aroclor 1221	0.40U µg/L		
		Aroclor 1232	0.40U µg/L		
		Aroclor 1242	0.40U µg/L		
		Aroclor 1248	0.40U µg/L		
		Aroclor 1254	0.40U µg/L		
		Aroclor 1260	0.40U µg/L		

Notes:
%R: percent recovery
FD: field duplicate

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

Table 1-1
Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA57-AN-18-19-230925-00-06	JD73584-1	JD73584	Soil	PCBs, TS
EA57-AN-18-19-230925-06-12	JD73584-2	JD73584	Soil	PCBs, TS
EA57-AO-16-17-230925-06-12	JD73584-3	JD73584	Soil	PCBs, TS
EA57-AP-19-230925-00-06	JD73584-4	JD73584	Soil	PCBs, TS
EA57-AP-19-230925-06-12	JD73584-5	JD73584	Soil	PCBs, TS
EA57-AP-AQ-17-230925-00-06	JD73584-6	JD73584	Soil	PCBs, TS
EA57-AP-AQ-17-230925-06-12	JD73584-7	JD73584	Soil	PCBs, TS
EA57-AR-18-230925-06-12	JD73584-8	JD73584	Soil	PCBs, TS
EA57-AR-18-BD0001	JD73584-9	JD73584	Soil	PCBs, TS
EA57-AS-17-18-230925-00-06	JD73584-11	JD73584	Soil	PCBs, TS
EA57-AS-17-18-230925-06-12	JD73584-12	JD73584	Soil	PCBs, TS
EA57-AT-18-230925-00-06	JD73584-13	JD73584	Soil	PCBs, TS
EA57-AT-18-230925-06-12	JD73584-14	JD73584	Soil	PCBs, TS
EA57-AU-17-230925-00-06	JD73584-15	JD73584	Soil	PCBs, TS
EA57-AU-17-230925-06-12	JD73584-16	JD73584	Soil	PCBs, TS
EA57-AV-17-230922-06-12	JD73584-17	JD73584	Soil	PCBs, TS
EA57-AV-17-BD0002	JD73584-18	JD73584	Soil	PCBs, TS
EA57-AW-17-230922-00-06	JD73584-21	JD73584	Soil	PCBs, TS
EA57-AW-17-230922-06-12	JD73584-22	JD73584	Soil	PCBs, TS
EA57-AY-16-230922-00-06	JD73584-23	JD73584	Soil	PCBs, TS
EA57-AY-16-230922-06-12	JD73584-24	JD73584	Soil	PCBs, TS
EA57-BA-16-230922-00-06	JD73584-25	JD73584	Soil	PCBs, TS
EA57-BA-16-230922-06-12	JD73584-26	JD73584	Soil	PCBs, TS
EA57-BC-BD-16-17-230922-00-06	JD73584-27	JD73584	Soil	PCBs, TS
EA57-BC-BD-16-17-230922-06-12	JD73584-28	JD73584	Soil	PCBs, TS
EA57-BF-BG-17-230922-00-06	JD73584-29	JD73584	Soil	PCBs, TS
EA57-BF-BG-17-230922-06-12	JD73584-30	JD73584	Soil	PCBs, TS
EA57-BI-BJ-17-230922-00-06	JD73584-31	JD73584	Soil	PCBs, TS
EA57-BI-BJ-17-230922-06-12	JD73584-32	JD73584	Soil	PCBs, TS
EA58-G-11-12-230922-00-06	JD73584-33	JD73584	Soil	PCBs, TS
EA58-G-11-12-230922-06-12	JD73584-34	JD73584	Soil	PCBs, TS
EA58-G-H-4-230925-00-06	JD73584-35	JD73584	Soil	PCBs, TS
EA58-G-H-4-230925-06-12	JD73584-36	JD73584	Soil	PCBs, TS
EA58-H-3-4-230925-00-06	JD73584-37	JD73584	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA58-H-3-4-230925-06-12	JD73584-38	JD73584	Soil	PCBs, TS
EA58-H-I-10-230922-06-12	JD73584-39	JD73584	Soil	PCBs, TS
EA58-I-5-6-230922-00-06	JD73584-40	JD73584	Soil	PCBs, TS
EA58-I-5-6-230922-06-12	JD73584-41	JD73584	Soil	PCBs, TS
EA58-I-8-230925-00-06	JD73584-42	JD73584	Soil	PCBs, TS
EA58-I-8-230925-06-12	JD73584-43	JD73584	Soil	PCBs, TS
EA58-I-J-5-230925-00-06	JD73584-44	JD73584	Soil	PCBs, TS
EA58-I-J-5-230925-06-12	JD73584-45	JD73584	Soil	PCBs, TS
EA58-I-J-6-7-230922-06-12	JD73584-46	JD73584	Soil	PCBs, TS
EA58-J-K-6-7-230922-00-06	JD73584-47	JD73584	Soil	PCBs, TS
EA58-J-K-6-7-230922-06-12	JD73584-48	JD73584	Soil	PCBs, TS
EA60-E-4-230921-00-06	JD73584-49	JD73584	Soil	PCBs, TS
EA60-E-4-230921-06-12	JD73584-50	JD73584	Soil	PCBs, TS
EA60-F-3-4-230921-00-06	JD73584-51	JD73584	Soil	PCBs, TS
EA60-F-3-4-230921-06-12	JD73584-52	JD73584	Soil	PCBs, TS
EA60-F-G-4-230921-00-06	JD73584-53	JD73584	Soil	PCBs, TS
EA60-F-G-4-230921-06-12	JD73584-54	JD73584	Soil	PCBs, TS
EA60-G-2-3-230921-06-12	JD73584-55	JD73584	Soil	PCBs, TS
EA60-I-J-2-230921-06-12	JD73584-56	JD73584	Soil	PCBs, TS
EA60A-B-C-4-5-230921-00-06	JD73584-57	JD73584	Soil	PCBs, TS
EA60A-B-C-4-5-230921-06-12	JD73584-58	JD73584	Soil	PCBs, TS
EA60A-C-5-6-230921-00-06	JD73584-59	JD73584	Soil	PCBs, TS
EA60A-C-5-6-230921-06-12	JD73584-60	JD73584	Soil	PCBs, TS
RB-2309221513	JD73584-19	JD73584	Water	PCBs
RB-2309221514	JD73584-20	JD73584	Water	PCBs
RB-2309251446	JD73584-10	JD73584	Water	PCBs
EA60-C-3-4-230921-00-06	JD73587-1	JD73587	Soil	PCBs, TS
EA60-C-3-4-230921-06-11	JD73587-2	JD73587	Soil	PCBs, TS
EA60-D-3-4-230921-00-06	JD73587-3	JD73587	Soil	PCBs, TS
EA60-D-3-4-230921-06-12	JD73587-4	JD73587	Soil	PCBs, TS
EA56-AB-23-230926-00-06	JD73845-1	JD73845	Soil	PCBs, TS
EA56-AB-23-230926-06-12	JD73845-2	JD73845	Soil	PCBs, TS
EA56-AC-AD-23-230926-00-06	JD73845-3	JD73845	Soil	PCBs, TS
EA56-AC-AD-23-230926-06-12	JD73845-4	JD73845	Soil	PCBs, TS
EA56-AC-AD-23-BD0001	JD73845-5	JD73845	Soil	PCBs, TS
EA56-AF-22-230927-00-06	JD73845-7	JD73845	Soil	PCBs, TS
EA56-AF-22-230927-06-12	JD73845-8	JD73845	Soil	PCBs, TS
EA56-AG-AH-22-230926-00-06	JD73845-9	JD73845	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-AG-AH-22-230926-06-12	JD73845-10	JD73845	Soil	PCBs, TS
EA56-AP-AQ-30-31-230927-00-06	JD73845-11	JD73845	Soil	PCBs, TS
EA56-AP-AQ-30-31-230927-06-12	JD73845-12	JD73845	Soil	PCBs, TS
EA56-AQ-32-33-230927-00-06	JD73845-13	JD73845	Soil	PCBs, TS
EA56-AQ-32-33-230927-06-12	JD73845-14	JD73845	Soil	PCBs, TS
EA56-AQ-34-35-230927-00-06	JD73845-15	JD73845	Soil	PCBs, TS
EA56-AQ-34-35-230927-06-12	JD73845-16	JD73845	Soil	PCBs, TS
EA56-AQ-AR-29-30-230927-00-06	JD73845-17	JD73845	Soil	PCBs, TS
EA56-AQ-AR-29-30-230927-06-12	JD73845-18	JD73845	Soil	PCBs, TS
EA56-AQ-AR-29-30-BD0001	JD73845-19	JD73845	Soil	PCBs, TS
EA56-AS-34-230927-00-06	JD73845-21	JD73845	Soil	PCBs, TS
EA56-AS-34-230927-06-12	JD73845-22	JD73845	Soil	PCBs, TS
EA56-AV-26-27-230927-00-06	JD73845-23	JD73845	Soil	PCBs, TS
EA56-AV-26-27-230927-06-12	JD73845-24	JD73845	Soil	PCBs, TS
EA56-AW-26-27-230927-00-06	JD73845-25	JD73845	Soil	PCBs, TS
EA56-AW-26-27-230927-06-12	JD73845-26	JD73845	Soil	PCBs, TS
EA56-AX-20-230926-00-06	JD73845-27	JD73845	Soil	PCBs, TS
EA56-AX-20-230926-06-12	JD73845-28	JD73845	Soil	PCBs, TS
EA56-AY-AZ-18-19-230927-00-06	JD73845-29	JD73845	Soil	PCBs, TS
EA56-AY-AZ-18-19-230927-06-12	JD73845-30	JD73845	Soil	PCBs, TS
EA56-AZ-25-26-230926-00-06	JD73845-31	JD73845	Soil	PCBs, TS
EA56-AZ-25-26-230926-06-12	JD73845-32	JD73845	Soil	PCBs, TS
EA56-AZ-25-26-BD0001	JD73845-33	JD73845	Soil	PCBs, TS
EA56-BA-21-22-230927-00-06	JD73845-35	JD73845	Soil	PCBs, TS
EA56-BA-21-22-230927-06-12	JD73845-36	JD73845	Soil	PCBs, TS
EA56-BA-25-26-230927-00-06	JD73845-37	JD73845	Soil	PCBs, TS
EA56-BA-25-26-230927-06-12	JD73845-38	JD73845	Soil	PCBs, TS
EA56-BB-20-230927-06-12	JD73845-39	JD73845	Soil	PCBs, TS
EA56-BC-25-230927-06-12	JD73845-40	JD73845	Soil	PCBs, TS
EA56-BD-18-230927-00-06	JD73845-41	JD73845	Soil	PCBs, TS
EA56-BD-18-230927-06-12	JD73845-42	JD73845	Soil	PCBs, TS
EA56-V-W-22-230926-06-12	JD73845-43	JD73845	Soil	PCBs, TS
EA56A-X-23-230926-00-06	JD73845-44	JD73845	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56A-X-23-230926-06-12	JD73845-45	JD73845	Soil	PCBs, TS
EA57-AB-1-2-230927-00-06	JD73845-46	JD73845	Soil	PCBs, TS
EA57-AB-1-2-230927-06-12	JD73845-47	JD73845	Soil	PCBs, TS
EA57-V-W-3-230927-00-06	JD73845-48	JD73845	Soil	PCBs, TS
EA57-V-W-3-230927-06-12	JD73845-49	JD73845	Soil	PCBs, TS
EA57-W-X-2-230927-06-12	JD73845-50	JD73845	Soil	PCBs, TS
EA57-W-X-5-230927-00-06	JD73845-51	JD73845	Soil	PCBs, TS
EA57-W-X-5-230927-06-12	JD73845-52	JD73845	Soil	PCBs, TS
EA57-X-3-4-230927-00-06	JD73845-53	JD73845	Soil	PCBs, TS
EA57-X-3-4-230927-06-12	JD73845-54	JD73845	Soil	PCBs, TS
EA57-X-3-4-BD0001	JD73845-55	JD73845	Soil	PCBs, TS
EA57-Z-2-230927-00-06	JD73845-57	JD73845	Soil	PCBs, TS
EA57-Z-2-230927-06-12	JD73845-58	JD73845	Soil	PCBs, TS
EA59-B-14-230926-00-06	JD73845-59	JD73845	Soil	PCBs, TS
EA59-B-14-230926-06-12	JD73845-60	JD73845	Soil	PCBs, TS
EA59-C-12-13-230927-00-06	JD73845-61	JD73845	Soil	PCBs, TS
EA59-C-12-13-230927-06-09	JD73845-62	JD73845	Soil	PCBs, TS
EA59-C-D-16-230927-06-12	JD73845-63	JD73845	Soil	PCBs, TS
EA59-N-O-4-230927-00-06	JD73845-64	JD73845	Soil	PCBs, TS
EA59-N-O-4-230927-06-12	JD73845-65	JD73845	Soil	PCBs, TS
EA59-Q-3-4-230927-00-06	JD73845-66	JD73845	Soil	PCBs, TS
EA59-Q-3-4-230927-06-12	JD73845-67	JD73845	Soil	PCBs, TS
EA59A-A-B-14-230926-00-06	JD73845-68	JD73845	Soil	PCBs, TS
EA59A-A-B-14-230926-06-12	JD73845-69	JD73845	Soil	PCBs, TS
EA59A-B-12-230926-00-06	JD73845-70	JD73845	Soil	PCBs, TS
EA59A-B-12-230926-06-12	JD73845-71	JD73845	Soil	PCBs, TS
EA59A-B-C-11-230926-00-06	JD73845-72	JD73845	Soil	PCBs, TS
EA59A-B-C-11-230926-06-12	JD73845-73	JD73845	Soil	PCBs, TS
EA59A-C-15-16-230927-00-06	JD73845-74	JD73845	Soil	PCBs, TS
EA59A-C-15-16-230927-06-12	JD73845-75	JD73845	Soil	PCBs, TS
EA59A-P-3-230927-06-12	JD73845-76	JD73845	Soil	PCBs, TS
RB-2309261630	JD73845-6	JD73845	Water	PCBs
RB-2309261653	JD73845-34	JD73845	Water	PCBs
RB-2309271656	JD73845-56	JD73845	Water	PCBs
RB-2309271700	JD73845-20	JD73845	Water	PCBs
EA56-AR-27-28-231003-00-06	JD74058-1	JD74058	Soil	PCBs, TS
EA56-AR-27-28-231003-06-12	JD74058-2	JD74058	Soil	PCBs, TS
EA56-AR-30-31-231003-06-12	JD74058-3	JD74058	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-AS-28-231002-00-06	JD74058-4	JD74058	Soil	PCBs, TS
EA56-AS-28-231002-06-12	JD74058-5	JD74058	Soil	PCBs, TS
EA56-AS-28-BD0001	JD74058-6	JD74058	Soil	PCBs, TS
EA56-AS-AT-26-231003-06-12	JD74058-8	JD74058	Soil	PCBs, TS
EA56-AT-AU-26-27-231003-00-06	JD74058-9	JD74058	Soil	PCBs, TS
EA56-AT-AU-26-27-231003-06-12	JD74058-10	JD74058	Soil	PCBs, TS
EA56-AU-AV-25-231003-00-06	JD74058-11	JD74058	Soil	PCBs, TS
EA56-AU-AV-25-231003-06-12	JD74058-12	JD74058	Soil	PCBs, TS
EA56-AV-25-231003-06-12	JD74058-13	JD74058	Soil	PCBs, TS
EA56-AW-25-231003-00-06	JD74058-14	JD74058	Soil	PCBs, TS
EA56-AW-25-231003-06-12	JD74058-15	JD74058	Soil	PCBs, TS
EA56-AY-AZ-25-231003-00-06	JD74058-16	JD74058	Soil	PCBs, TS
EA56-AY-AZ-25-231003-06-12	JD74058-17	JD74058	Soil	PCBs, TS
EA57-AA-15-16-230928-00-06	JD74058-18	JD74058	Soil	PCBs, TS
EA57-AA-15-16-230928-06-12	JD74058-19	JD74058	Soil	PCBs, TS
EA57-AC-15-230928-00-06	JD74058-20	JD74058	Soil	PCBs, TS
EA57-AC-15-230928-06-12	JD74058-21	JD74058	Soil	PCBs, TS
EA57-AE-15-16-230928-00-06	JD74058-22	JD74058	Soil	PCBs, TS
EA57-AE-15-16-230928-06-12	JD74058-23	JD74058	Soil	PCBs, TS
EA57-AF-14-231002-00-06	JD74058-24	JD74058	Soil	PCBs, TS
EA57-AF-14-231002-06-12	JD74058-25	JD74058	Soil	PCBs, TS
EA57-AG-12-13-231003-00-06	JD74058-26	JD74058	Soil	PCBs, TS
EA57-AG-12-13-231003-06-12	JD74058-27	JD74058	Soil	PCBs, TS
EA57-AG-15-16-230928-00-06	JD74058-28	JD74058	Soil	PCBs, TS
EA57-AG-15-16-230928-06-12	JD74058-29	JD74058	Soil	PCBs, TS
EA57-AG-15-16-BD0001	JD74058-30	JD74058	Soil	PCBs, TS
EA57-AH-14-231002-00-06	JD74058-32	JD74058	Soil	PCBs, TS
EA57-AH-14-231002-06-12	JD74058-33	JD74058	Soil	PCBs, TS
EA57-AH-14-BD0001	JD74058-34	JD74058	Soil	PCBs, TS
EA57-AH-AI-11-231002-06-12	JD74058-36	JD74058	Soil	PCBs, TS
EA57-AI-16-230928-06-12	JD74058-37	JD74058	Soil	PCBs, TS
EA57-AI-AJ-11-231003-00-06	JD74058-38	JD74058	Soil	PCBs, TS
EA57-AI-AJ-11-231003-06-12	JD74058-39	JD74058	Soil	PCBs, TS
EA57-AJ-16-230928-00-06	JD74058-40	JD74058	Soil	PCBs, TS
EA57-AJ-16-230928-06-12	JD74058-41	JD74058	Soil	PCBs, TS
EA57-AK-11-231003-00-06	JD74058-42	JD74058	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA57-AK-11-231003-06-12	JD74058-43	JD74058	Soil	PCBs, TS
EA57-AK-AL-15-16-230928-00-06	JD74058-44	JD74058	Soil	PCBs, TS
EA57-AK-AL-15-16-230928-06-12	JD74058-45	JD74058	Soil	PCBs, TS
EA57-AL-14-231003-00-06	JD74058-46	JD74058	Soil	PCBs, TS
EA57-AL-14-231003-06-12	JD74058-47	JD74058	Soil	PCBs, TS
EA57-AL-17-18-230928-00-06	JD74058-48	JD74058	Soil	PCBs, TS
EA57-AL-17-18-230928-06-12	JD74058-49	JD74058	Soil	PCBs, TS
EA57-AL-AM-11-231002-00-06	JD74058-50	JD74058	Soil	PCBs, TS
EA57-AL-AM-11-231002-06-12	JD74058-51	JD74058	Soil	PCBs, TS
EA57-AL-AM-12-231003-06-12	JD74058-52	JD74058	Soil	PCBs, TS
EA57-AM-10-11-231003-00-06	JD74058-53	JD74058	Soil	PCBs, TS
EA57-AM-10-11-231003-06-12	JD74058-54	JD74058	Soil	PCBs, TS
EA57-AM-AN-15-231002-00-06	JD74058-55	JD74058	Soil	PCBs, TS
EA57-AM-AN-15-231002-06-12	JD74058-56	JD74058	Soil	PCBs, TS
EA57-Y-16-230928-00-06	JD74058-57	JD74058	Soil	PCBs, TS
EA57-Y-16-230928-06-12	JD74058-58	JD74058	Soil	PCBs, TS
EA59A-C-D-18-19-230928-00-06	JD74058-61	JD74058	Soil	PCBs, TS
EA59A-C-D-18-19-230928-06-12	JD74058-62	JD74058	Soil	PCBs, TS
EA59A-C-D-18-230928-00-06	JD74058-59	JD74058	Soil	PCBs, TS
EA59A-C-D-18-230928-06-12	JD74058-60	JD74058	Soil	PCBs, TS
EA59A-F-8-230928-00-06	JD74058-63	JD74058	Soil	PCBs, TS
EA59A-F-8-230928-06-12	JD74058-64	JD74058	Soil	PCBs, TS
EA59A-G-H-6-7-230928-06-12	JD74058-65	JD74058	Soil	PCBs, TS
EA59A-J-K-4-230928-00-06	JD74058-66	JD74058	Soil	PCBs, TS
EA59A-J-K-4-230928-06-10	JD74058-67	JD74058	Soil	PCBs, TS
EA59A-M-3-230928-00-06	JD74058-68	JD74058	Soil	PCBs, TS
EA59A-M-3-230928-06-12	JD74058-69	JD74058	Soil	PCBs, TS
RB-2309281717	JD74058-31	JD74058	Water	PCBs
RB-2310021734	JD74058-35	JD74058	Water	PCBs
RB-2310021753	JD74058-7	JD74058	Water	PCBs

Data Validation Report – EPA Stage 2A

January 31, 2024

Project: GE Housatonic River Floodplain
Project Number: 230469-05.01
DVR Number: AQ-2024-0015

This report summarizes the review of analytical results for 155 soil samples, 9 field duplicate samples, and 7 equipment rinsate blanks collected in October 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 (PCB) Aroclors by U.S. Environmental Protection Agency (EPA) Method 8082A
- Total solids (TS) by Standard Method 2540G

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Two 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)
- *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

Seven 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

Nine field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them and assessed using $\pm$ twice the MRL. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD specified in the quality assurance project plan. Field duplicate RPD and 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	EA57-H-5-6- 231005-00-06	EA57-H-5-6- BD0001	RPD	Difference	Difference CL
Aroclor 1260	1970 µg/kg	1470 µg/kg	29%	--	--
Total solids	35.2 %	37.2 %	6%	--	--

Analyte	EA57-N-16- 231004-06-12	EA57-N-16-BD0001	RPD	Difference	Difference CL
Total solids	78.1 %	77.5 %	1%	--	--

Analyte	EA57-W-16-17-231003-00-06	EA57-W-16-17-BD0001	RPD	Difference	Difference CL
Aroclor 1260	49.3 µg/kg	39.3 µg/kg	--	10.0 µg/kg	50.0 µg/kg
Total solids	79.5 %	79.1 %	1%	--	--

Analyte	EA56-AD-6-231009-00-06	EA56-AD-6-BD0001	RPD	Difference	Difference CL
Total solids	35.5 %	36.4 %	3%	--	--

Analyte	EA56-B-C-20-21-231006-00-06	EA56-B-C-20-21-BD0001	RPD	Difference	Difference CL
Aroclor 1260	2420 µg/kg	840 µg/kg	97%	--	--
Total solids	35.7 %	36.8 %	3%	--	--

Analyte	EA56-D-4-231009-06-12	EA56-D-4-BD0001	RPD	Difference	Difference CL
Total solids	63.1 %	62.3 %	1%	--	--

Analyte	EA57-D-E-10-231006-06-12	EA57-D-E-10-BD0001	RPD	Difference	Difference CL
Aroclor 1260	14.0 µg/kg	26 µg/kg	--	12.0 µg/kg	52.0 µg/kg
Total solids	70.0 %	74.4 %	6%	--	--

Analyte	EA57-K-9-231006-06-12	EA57-K-9-BD0001	RPD	Difference	Difference CL
Aroclor 1260	62.0 µg/kg	31.0 µg/kg	--	31.0 µg/kg	106.0 µg/kg
Total solids	37.6 %	36.9 %	2%	--	--

Analyte	EA57-S-3-4-231006-00-06	EA57-S-3-4-BD0001	RPD	Difference	Difference CL
Aroclor 1260	2870 µg/kg	1840 µg/kg	44%	--	--
Total solids	38.5 %	39.3 %	2%	--	--

Notes:

µg/kg: microgram per kilogram

Surrogate Spike Recoveries

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. When surrogate recoveries were outside of the control limits (CLs) in one column, and results were reported from the other column no data were qualified. When surrogates recovered

above CLs and sample results were below detection, no data were qualified. Surrogates recovered outside of CLs in some laboratory QC samples; however, data are not qualified for surrogate outliers in QC samples alone. Surrogate recoveries were otherwise within CLs.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the exception of samples EA57-C-D-8-231006-00-06, EA57-D-E-10-231006-06-12, EA57-F-G-8-231006-00-06, and EA57-F-G-9-231006-06-12. Associated detected results were qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs) were analyzed at the required frequency. No data were qualified when the recoveries and/or the RPD values were above the CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs.

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 CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs with one exception. Aroclor 1260 recovered below 10% in the MS analyzed on sample EA57-L-7-231006-06-12. The MSD recovered above the control limit and the RPD between the MS and MSD was also above the control limit. Associated detected sample results have been qualified "J" as estimated. Associated not detected sample results were rejected due to the low recovery of the MS.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for TS analysis and RPD values were within project-required CLs.

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. Two 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
EA56-B-C-20-21-231006-00-06	PCBs	Aroclor 1260	2420 µg/kg	2420J µg/kg	FD RPD above CL
EA56-B-C-20-21-BD0001	PCBs	Aroclor 1260	840 µg/kg	840J µg/kg	FD RPD above CL
EA57-C-D-8-231006-00-06	PCBs	Aroclor 1260	36.4 µg/kg	36.4J µg/kg	RPD between columns
EA57-D-E-10-231006-06-12	PCBs	Aroclor 1260	14.0 µg/kg	14.0J µg/kg	RPD between columns
EA57-F-G-8-231006-00-06	PCBs	Aroclor 1260	37.3 µg/kg	37.3J µg/kg	RPD between columns
EA57-F-G-9-231006-06-12	PCBs	Aroclor 1260	16.8 µg/kg	16.8J µg/kg	RPD between columns
EA57-L-7-231006-06-12	PCBs	Aroclor 1248	80U µg/kg	R	MS %R below 10%
		Aroclor 1254	80U µg/kg	R	
		Aroclor 1260	571 µg/kg	571J µg/kg	MS/MSD RPD above CL; MSD %R above CL; MS %R below CL

Notes:

%R: percent recovery

FD: field duplicate

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

Table 1-1
Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-BG-28-231005-00-06	JD74275-1	JD74275	Soil	TS, PCBs
EA56-BG-28-231005-06-12	JD74275-2	JD74275	Soil	TS, PCBs
EA56-BI-27-28-231005-00-06	JD74275-3	JD74275	Soil	TS, PCBs
EA56-BI-27-28-231005-06-12	JD74275-4	JD74275	Soil	TS, PCBs
EA57-AI-AJ-12-13-231005-00-06	JD74275-5	JD74275	Soil	TS, PCBs
EA57-AI-AJ-12-13-231005-06-12	JD74275-6	JD74275	Soil	TS, PCBs
EA57-AJ-14-231005-06-12	JD74275-7	JD74275	Soil	TS, PCBs
EA57-AJ-AK-13-14-231005-00-06	JD74275-8	JD74275	Soil	TS, PCBs
EA57-AJ-AK-13-14-231005-06-12	JD74275-9	JD74275	Soil	TS, PCBs
EA57-AL-AM-17-231005-00-06	JD74275-10	JD74275	Soil	TS, PCBs
EA57-AL-AM-17-231005-06-12	JD74275-11	JD74275	Soil	TS, PCBs
EA57-AM-AN-17-231005-00-06	JD74275-12	JD74275	Soil	TS, PCBs
EA57-AM-AN-17-231005-06-12	JD74275-13	JD74275	Soil	TS, PCBs
EA57-AN-17-231005-00-06	JD74275-14	JD74275	Soil	TS, PCBs
EA57-AN-17-231005-06-12	JD74275-15	JD74275	Soil	TS, PCBs
EA57-B-C-5-231005-00-06	JD74275-16	JD74275	Soil	TS, PCBs
EA57-B-C-5-231005-06-12	JD74275-17	JD74275	Soil	TS, PCBs
EA57-B-C-6-7-231005-00-06	JD74275-18	JD74275	Soil	TS, PCBs
EA57-B-C-6-7-231005-06-12	JD74275-19	JD74275	Soil	TS, PCBs
EA57-C-11-231003-00-06	JD74275-20	JD74275	Soil	TS, PCBs
EA57-C-11-231003-06-12	JD74275-21	JD74275	Soil	TS, PCBs
EA57-D-4-231005-06-12	JD74275-22	JD74275	Soil	TS, PCBs
EA57-D-E-6-231005-06-12	JD74275-23	JD74275	Soil	TS, PCBs
EA57-E-12-13-231003-00-06	JD74275-24	JD74275	Soil	TS, PCBs
EA57-E-12-13-231003-06-12	JD74275-25	JD74275	Soil	TS, PCBs
EA57-E-F-5-6-231005-00-06	JD74275-26	JD74275	Soil	TS, PCBs
EA57-E-F-5-6-231005-06-12	JD74275-27	JD74275	Soil	TS, PCBs
EA57-F-6-231005-00-06	JD74275-28	JD74275	Soil	TS, PCBs
EA57-F-6-231005-06-12	JD74275-29	JD74275	Soil	TS, PCBs
EA57-F-G-12-231003-00-06	JD74275-30	JD74275	Soil	TS, PCBs
EA57-F-G-12-231003-06-12	JD74275-31	JD74275	Soil	TS, PCBs
EA57-H-5-6-231005-00-06	JD74275-32	JD74275	Soil	TS, PCBs
EA57-H-5-6-231005-06-12	JD74275-33	JD74275	Soil	TS, PCBs
EA57-H-5-6-BD0001	JD74275-34	JD74275	Soil	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA57-H-I-10-231003-00-06	JD74275-36	JD74275	Soil	TS, PCBs
EA57-H-I-10-231003-06-12	JD74275-37	JD74275	Soil	TS, PCBs
EA57-H-I-11-12-231003-00-06	JD74275-38	JD74275	Soil	TS, PCBs
EA57-H-I-11-12-231003-06-12	JD74275-39	JD74275	Soil	TS, PCBs
EA57-J-11-231003-00-06	JD74275-40	JD74275	Soil	TS, PCBs
EA57-J-11-231003-06-12	JD74275-41	JD74275	Soil	TS, PCBs
EA57-J-5-6-231005-00-06	JD74275-42	JD74275	Soil	TS, PCBs
EA57-J-5-6-231005-06-12	JD74275-43	JD74275	Soil	TS, PCBs
EA57-K-11-12-231003-00-06	JD74275-44	JD74275	Soil	TS, PCBs
EA57-K-11-12-231003-06-12	JD74275-45	JD74275	Soil	TS, PCBs
EA57-K-13-231005-00-06	JD74275-46	JD74275	Soil	TS, PCBs
EA57-K-13-231005-06-12	JD74275-47	JD74275	Soil	TS, PCBs
EA57-K-L-13-231003-00-06	JD74275-48	JD74275	Soil	TS, PCBs
EA57-K-L-13-231003-06-12	JD74275-49	JD74275	Soil	TS, PCBs
EA57-L-15-16-231003-00-06	JD74275-50	JD74275	Soil	TS, PCBs
EA57-L-15-16-231003-06-12	JD74275-51	JD74275	Soil	TS, PCBs
EA57-N-16-231004-06-12	JD74275-52	JD74275	Soil	TS, PCBs
EA57-N-16-BD0001	JD74275-53	JD74275	Soil	TS, PCBs
EA57-N-18-231003-00-06	JD74275-55	JD74275	Soil	TS, PCBs
EA57-N-18-231003-06-12	JD74275-56	JD74275	Soil	TS, PCBs
EA57-O-P-17-231004-00-06	JD74275-57	JD74275	Soil	TS, PCBs
EA57-O-P-17-231004-06-12	JD74275-58	JD74275	Soil	TS, PCBs
EA57-Q-17-231004-00-06	JD74275-59	JD74275	Soil	TS, PCBs
EA57-Q-17-231004-06-12	JD74275-60	JD74275	Soil	TS, PCBs
EA57-R-15-16-231004-00-06	JD74275-61	JD74275	Soil	TS, PCBs
EA57-R-15-16-231004-06-12	JD74275-62	JD74275	Soil	TS, PCBs
EA57-S-16-17-231004-00-06	JD74275-63	JD74275	Soil	TS, PCBs
EA57-S-16-17-231004-06-12	JD74275-64	JD74275	Soil	TS, PCBs
EA57-T-U-15-231004-00-06	JD74275-65	JD74275	Soil	TS, PCBs
EA57-T-U-15-231004-06-12	JD74275-66	JD74275	Soil	TS, PCBs
EA57-U-16-231004-00-06	JD74275-67	JD74275	Soil	TS, PCBs
EA57-U-16-231004-06-12	JD74275-68	JD74275	Soil	TS, PCBs
EA57-W-16-17-231003-00-06	JD74275-69	JD74275	Soil	TS, PCBs
EA57-W-16-17-231003-06-12	JD74275-70	JD74275	Soil	TS, PCBs
EA57-W-16-17-BD0001	JD74275-71	JD74275	Soil	TS, PCBs
RB-2310031643	JD74275-72	JD74275	Water	PCBs
RB-2310040914	JD74275-54	JD74275	Water	PCBs
RB-2310050902	JD74275-35	JD74275	Water	PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-AA-5-6-231009-00-06	JD74521-1	JD74521	Soil	TS, PCBs
EA56-AA-5-6-231009-06-12	JD74521-2	JD74521	Soil	TS, PCBs
EA56-AB-AC-7-231009-00-06	JD74521-3	JD74521	Soil	TS, PCBs
EA56-AB-AC-7-231009-06-12	JD74521-4	JD74521	Soil	TS, PCBs
EA56-AD-6-231009-00-06	JD74521-5	JD74521	Soil	TS, PCBs
EA56-AD-6-231009-06-12	JD74521-6	JD74521	Soil	TS, PCBs
EA56-AD-6-BD0001	JD74521-7	JD74521	Soil	TS, PCBs
EA56-AF-8-231006-00-06	JD74521-8	JD74521	Soil	TS, PCBs
EA56-AF-8-231006-06-12	JD74521-9	JD74521	Soil	TS, PCBs
EA56-AG-6-231006-06-12	JD74521-10	JD74521	Soil	TS, PCBs
EA56-AI-AJ-8-231006-00-06	JD74521-11	JD74521	Soil	TS, PCBs
EA56-AI-AJ-8-231006-06-12	JD74521-12	JD74521	Soil	TS, PCBs
EA56-AM-9-231006-06-12	JD74521-13	JD74521	Soil	TS, PCBs
EA56-AR-AS-7-8-231006-00-06	JD74521-14	JD74521	Soil	TS, PCBs
EA56-AR-AS-7-8-231006-06-12	JD74521-15	JD74521	Soil	TS, PCBs
EA56-AV-AW-9-231006-00-06	JD74521-16	JD74521	Soil	TS, PCBs
EA56-AV-AW-9-231006-06-12	JD74521-17	JD74521	Soil	TS, PCBs
EA56-AZ-BA-7-8-231009-00-06	JD74521-18	JD74521	Soil	TS, PCBs
EA56-AZ-BA-7-8-231009-06-12	JD74521-19	JD74521	Soil	TS, PCBs
EA56-B-C-20-21-231006-00-06	JD74521-20	JD74521	Soil	TS, PCBs
EA56-B-C-20-21-231006-06-12	JD74521-21	JD74521	Soil	TS, PCBs
EA56-B-C-20-21-BD0001	JD74521-22	JD74521	Soil	TS, PCBs
EA56-B-C-3-4-231009-00-06	JD74521-24	JD74521	Soil	TS, PCBs
EA56-B-C-3-4-231009-06-12	JD74521-25	JD74521	Soil	TS, PCBs
EA56-C-6-231006-00-06	JD74521-26	JD74521	Soil	TS, PCBs
EA56-C-6-231006-06-12	JD74521-27	JD74521	Soil	TS, PCBs
EA56-D-4-231009-00-06	JD74521-28	JD74521	Soil	TS, PCBs
EA56-D-4-231009-06-12	JD74521-29	JD74521	Soil	TS, PCBs
EA56-D-4-BD0001	JD74521-30	JD74521	Soil	TS, PCBs
EA56-F-4-5-231009-00-06	JD74521-31	JD74521	Soil	TS, PCBs
EA56-F-4-5-231009-06-12	JD74521-32	JD74521	Soil	TS, PCBs
EA56-H-I-5-231009-00-06	JD74521-33	JD74521	Soil	TS, PCBs
EA56-H-I-5-231009-06-12	JD74521-34	JD74521	Soil	TS, PCBs
EA56-J-K-5-6-231009-00-06	JD74521-35	JD74521	Soil	TS, PCBs
EA56-J-K-5-6-231009-06-12	JD74521-36	JD74521	Soil	TS, PCBs
EA56-L-6-231009-00-06	JD74521-37	JD74521	Soil	TS, PCBs
EA56-L-6-231009-06-12	JD74521-38	JD74521	Soil	TS, PCBs
EA56-O-P-4-5-231009-00-06	JD74521-39	JD74521	Soil	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-O-P-4-5-231009-06-12	JD74521-40	JD74521	Soil	TS, PCBs
EA56-R-4-5-231009-00-06	JD74521-41	JD74521	Soil	TS, PCBs
EA56-R-4-5-231009-06-12	JD74521-42	JD74521	Soil	TS, PCBs
EA56-T-5-231009-00-06	JD74521-43	JD74521	Soil	TS, PCBs
EA56-T-5-231009-06-12	JD74521-44	JD74521	Soil	TS, PCBs
EA56-V-W-5-231009-00-06	JD74521-45	JD74521	Soil	TS, PCBs
EA56-V-W-5-231009-06-12	JD74521-46	JD74521	Soil	TS, PCBs
EA56-Y-5-6-231009-00-06	JD74521-47	JD74521	Soil	TS, PCBs
EA56-Y-5-6-231009-06-12	JD74521-48	JD74521	Soil	TS, PCBs
EA56A-D-20-231006-00-06	JD74521-49	JD74521	Soil	TS, PCBs
EA56A-D-20-231006-06-12	JD74521-50	JD74521	Soil	TS, PCBs
EA57-AK-12-231006-00-06	JD74521-51	JD74521	Soil	TS, PCBs
EA57-AK-12-231006-06-12	JD74521-52	JD74521	Soil	TS, PCBs
EA57-B-C-9-10-231006-00-06	JD74521-53	JD74521	Soil	TS, PCBs
EA57-B-C-9-10-231006-06-12	JD74521-54	JD74521	Soil	TS, PCBs
EA57-C-D-8-231006-00-06	JD74521-55	JD74521	Soil	TS, PCBs
EA57-C-D-8-231006-06-12	JD74521-56	JD74521	Soil	TS, PCBs
EA57-D-E-10-231006-00-06	JD74521-57	JD74521	Soil	TS, PCBs
EA57-D-E-10-231006-06-12	JD74521-58	JD74521	Soil	TS, PCBs
EA57-D-E-10-BD0001	JD74521-59	JD74521	Soil	TS, PCBs
EA57-E-8-231006-00-06	JD74521-61	JD74521	Soil	TS, PCBs
EA57-E-8-231006-06-12	JD74521-62	JD74521	Soil	TS, PCBs
EA57-F-9-10-231006-00-06	JD74521-63	JD74521	Soil	TS, PCBs
EA57-F-9-10-231006-06-12	JD74521-64	JD74521	Soil	TS, PCBs
EA57-F-G-8-231006-00-06	JD74521-65	JD74521	Soil	TS, PCBs
EA57-F-G-8-231006-06-12	JD74521-66	JD74521	Soil	TS, PCBs
EA57-F-G-9-231006-00-06	JD74521-67	JD74521	Soil	TS, PCBs
EA57-F-G-9-231006-06-12	JD74521-68	JD74521	Soil	TS, PCBs
EA57-G-10-231006-00-06	JD74521-69	JD74521	Soil	TS, PCBs
EA57-G-10-231006-06-12	JD74521-70	JD74521	Soil	TS, PCBs
EA57-H-7-8-231006-00-06	JD74521-71	JD74521	Soil	TS, PCBs
EA57-H-7-8-231006-06-12	JD74521-72	JD74521	Soil	TS, PCBs
EA57-I-J-9-231006-00-06	JD74521-73	JD74521	Soil	TS, PCBs
EA57-I-J-9-231006-06-12	JD74521-74	JD74521	Soil	TS, PCBs
EA57-J-7-8-231006-00-06	JD74521-75	JD74521	Soil	TS, PCBs
EA57-J-7-8-231006-06-12	JD74521-76	JD74521	Soil	TS, PCBs
EA57-K-9-231006-00-06	JD74521-77	JD74521	Soil	TS, PCBs
EA57-K-9-231006-06-12	JD74521-78	JD74521	Soil	TS, PCBs

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA57-K-9-BD0001	JD74521-79	JD74521	Soil	TS, PCBs
EA57-L-5-6-231006-00-06	JD74521-81	JD74521	Soil	TS, PCBs
EA57-L-5-6-231006-06-12	JD74521-82	JD74521	Soil	TS, PCBs
EA57-L-7-231006-00-06	JD74521-83	JD74521	Soil	TS, PCBs
EA57-L-7-231006-06-12	JD74521-84	JD74521	Soil	TS, PCBs
EA57-N-5-231006-00-06	JD74521-85	JD74521	Soil	TS, PCBs
EA57-N-5-231006-06-12	JD74521-86	JD74521	Soil	TS, PCBs
EA57-O-P-4-231006-00-06	JD74521-87	JD74521	Soil	TS, PCBs
EA57-O-P-4-231006-06-12	JD74521-88	JD74521	Soil	TS, PCBs
EA57-Q-4-231006-06-12	JD74521-89	JD74521	Soil	TS, PCBs
EA57-S-3-4-231006-00-06	JD74521-90	JD74521	Soil	TS, PCBs
EA57-S-3-4-231006-06-12	JD74521-91	JD74521	Soil	TS, PCBs
EA57-S-3-4-BD0001	JD74521-92	JD74521	Soil	TS, PCBs
EA57-U-3-231006-00-06	JD74521-94	JD74521	Soil	TS, PCBs
EA57-U-3-231006-06-12	JD74521-95	JD74521	Soil	TS, PCBs
EA59-C-9-10-231006-00-06	JD74521-96	JD74521	Soil	TS, PCBs
EA59A-D-9-231006-00-06	JD74521-97	JD74521	Soil	TS, PCBs
EA59A-D-9-231006-06-12	JD74521-98	JD74521	Soil	TS, PCBs
EA59A-D-E-9-10-231006-00-06	JD74521-99	JD74521	Soil	TS, PCBs
RB-2310060835	JD74521-60	JD74521	Water	PCBs
RB-2310060927	JD74521-80	JD74521	Water	PCBs
RB-2310060935	JD74521-93	JD74521	Water	PCBs
RB-2310061453	JD74521-23	JD74521	Water	PCBs

Data Validation Report – EPA Stage 2A

January 31, 2024

Project: GE Housatonic River Floodplain
Project Number: 230469-05.01
DVR Number: AQ-2024-0016

This report summarizes the review of analytical results for 150 soil samples, 11 field duplicate samples, and 11 equipment rinsate blanks collected in October 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 solids (TS) by Standard Method 2540G

Sample IDs, associated sample delivery groups (SDGs), matrices, and analyses are presented in Attachment 1. Two 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)
- *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. 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. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them and assessed using $\pm$ twice the MRL. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD specified in the quality assurance project plan. Field duplicate RPD and 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	EA56A-S-18- 231011-00-06	EA56A-S-18- BD0001	RPD	Difference	Difference CL
Aroclor 1260	935 µg/kg	866 µg/kg	8%	--	--
Total solids	52.4 %	55.0 %	5%	--	--

Analyte	EA56A-U-19-20- 231012-00-06	EA56A-U-19-20- BD0001	RPD	Difference	Difference CL
Aroclor 1260	905 µg/kg	1100 µg/kg	19%	--	--
Total solids	35.0 %	32.1 %	9%	--	--

Analyte	EA56-K-12-231011-06-12	EA56-K-12-BD0001	RPD	Difference	Difference CL
Aroclor 1260	30 µg/kg	17.3 µg/kg	--	12.7 µg/kg	60.0 µg/kg
Total solids	64.5 %	64.9 %	1%	--	--

Analyte	EA56-Q-R-6-7-231012-06-12	EA56-Q-R-6-7-BD0001	RPD	Difference	Difference CL
Total solids	34.9 %	27.5 %	24%	--	--

Analyte	EA56A-AC-10-231011-00-06	EA56A-AC-10-BD0001	RPD	Difference	Difference CL
Aroclor 1260	269 µg/kg	449 µg/kg	--	180.0 µg/kg	240.0 µg/kg
Total solids	16.1 %	16.1 %	0%	--	--

Analyte	EA56A-AE-19-231012-06-12	EA56A-AE-19-BD0001	RPD	Difference	Difference CL
Aroclor 1260	540 µg/kg	342 µg/kg	45%	--	--
Total solids	28.5 %	33.7 %	17%	--	--

Analyte	EA56A-AS-AT-15-16-231012-06-12	EA56A-AS-AT-15-16-BD0001	RPD	Difference	Difference CL
Total solids	64.8 %	64.4 %	1%	--	--

Analyte	EA56A-BD-6-7-231013-00-06	EA56A-BD-6-7-BD0001	RPD	Difference	Difference CL
Aroclor 1260	1350 µg/kg	27600 µg/kg	181%	--	--
Total solids	26.2 %	21.6 %	19%	--	--

Analyte	EA56-AD-15-231017-06-12	EA56-AD-15-BD0001	RPD	Difference	Difference CL
Aroclor 1260	41.2 µg/kg	232 µg/kg	--	190.8 µg/kg	80.0 µg/kg
Total solids	49.5 %	44.9 %	10%	--	--

Analyte	EA56-AS-13-231017-00-06	EA56-AS-13-BD0001	RPD	Difference	Difference CL
Aroclor 1260	172 µg/kg	57.3 µg/kg	--	114.7 µg/kg	200.0 µg/kg
Total solids	18.8 %	24.8 %	28%	--	--

Analyte	EA56-BA-BB-12-231013-06-12	EA56-BA-BB-12-BD0001	RPD	Difference	Difference CL
Aroclor 1260	7290 µg/kg	5660 µg/kg	25%	--	--
Total solids	34.8 %	33.9 %	3%	--	--

Notes:

µg/kg: microgram per kilogram

Surrogate Spike Recoveries

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. When surrogate recoveries were outside of the control limits (CLs) in one column, and results were reported from the other column no data were qualified. When surrogates recovered above CLs and sample results were below detection, no data were qualified. Surrogates recovered outside of CLs in some laboratory QC samples; however, data are not qualified for surrogate outliers in QC samples alone. Surrogate recoveries were otherwise within CLs with the exception of Decachlorobiphenyl (DCB) surrogate recovered below 10% for samples RB-2310110832, RB-2310110844, RB-2310120821, and RB-2310120845. These sample results were rejected due to the low recovery.

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 recoveries and/or the RPD values were above the CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs.

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 CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs with the following exceptions.

- The Aroclor 1260 RPD between the MS and MSD analyzed on sample EA56-E-6-231011-00-06 recovered above the control limit. Associated detected sample results have been qualified "J" as estimated.
- Aroclor 1260 recovered above the control limit in the MS analyzed on sample EA56A-AV-15-16-231012-06-12. Associated detected sample results have been qualified "J" for potential high bias.
- Aroclor 1260 recovered above the control limit in the MS analyzed on samples EA56-AC-16-17-231017-00-06 and EA56A-AC-13-231012-00-06. The RPDs between the MS and MSD were also above the control limit. Associated detected sample results have been qualified "J" for potential high bias.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for TS analysis and RPD values were within project-required CLs.

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-eight results in four 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
EA56-AC-16-17-231017-00-06	PCBs	Aroclor 1260	325 µg/kg	325J µg/kg	MS %R above CL; MS/MSD RPD above CL
EA56-AD-15-231017-06-12	PCBs	Aroclor 1260	41.2 µg/kg	41.2J µg/kg	FD RPD above CL
EA56-AD-15-BD0001	PCBs	Aroclor 1260	232 µg/kg	232J µg/kg	FD RPD above CL
EA56-E-6-231011-00-06	PCBs	Aroclor 1260	105 µg/kg	105J µg/kg	MS/MSD RPD above CL
EA56A-AC-13-231012-00-06	PCBs	Aroclor 1260	568 µg/kg	568J µg/kg	MS %R above CL; MS/MSD RPD above CL
EA56A-AV-15-16-231012-06-12	PCBs	Aroclor 1260	100 µg/kg	100J µg/kg	MS %R above CL
EA56A-BD-6-7-231013-00-06	PCBs	Aroclor 1260	1350 µg/kg	1350J µg/kg	FD RPD above CL
EA56A-BD-6-7-BD0001	PCBs	Aroclor 1260	27600 µg/kg	27600J µg/kg	FD RPD above CL
RB-2310110832	PCBs	Aroclor 1016	0.40U µg/L	R	Surrogate %R below 10%
		Aroclor 1221	0.40U µg/L		
		Aroclor 1232	0.40U µg/L		
		Aroclor 1242	0.40U µg/L		
		Aroclor 1248	0.40U µg/L		
		Aroclor 1254	0.40U µg/L		
		Aroclor 1260	0.40U µg/L		
RB-2310110844	PCBs	Aroclor 1016	0.42U µg/L	R	Surrogate %R below 10%
		Aroclor 1221	0.42U µg/L		
		Aroclor 1232	0.42U µg/L		
		Aroclor 1242	0.42U µg/L		
		Aroclor 1248	0.42U µg/L		
		Aroclor 1254	0.42U µg/L		
		Aroclor 1260	0.42U µg/L		

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
RB-2310120821	PCBs	Aroclor 1016	0.40U µg/L	R	Surrogate %R below 10%
		Aroclor 1221	0.40U µg/L		
		Aroclor 1232	0.40U µg/L		
		Aroclor 1242	0.40U µg/L		
		Aroclor 1248	0.40U µg/L		
		Aroclor 1254	0.40U µg/L		
		Aroclor 1260	0.40U µg/L		
RB-2310120845	PCBs	Aroclor 1016	0.40U µg/L	R	Surrogate %R below 10%
		Aroclor 1221	0.40U µg/L		
		Aroclor 1232	0.40U µg/L		
		Aroclor 1242	0.40U µg/L		
		Aroclor 1248	0.40U µg/L		
		Aroclor 1254	0.40U µg/L		
		Aroclor 1260	0.40U µg/L		

Notes:

%R: percent recovery

FD: field duplicate

References

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

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Attachment 1

Sample IDs, SDGs, Matrices, and Analyses

Table 1-1
Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-E-6-231011-00-06	JD74713-1	JD74713	Soil	PCBs, TS
EA56-E-6-231011-06-12	JD74713-2	JD74713	Soil	PCBs, TS
EA56-G-H-7-231011-00-06	JD74713-3	JD74713	Soil	PCBs, TS
EA56-G-H-7-231011-06-12	JD74713-4	JD74713	Soil	PCBs, TS
EA56-I-J-8-231011-00-06	JD74713-5	JD74713	Soil	PCBs, TS
EA56-I-J-8-231011-06-12	JD74713-6	JD74713	Soil	PCBs, TS
EA56-J-K-10-231011-00-06	JD74713-7	JD74713	Soil	PCBs, TS
EA56-J-K-10-231011-06-12	JD74713-8	JD74713	Soil	PCBs, TS
EA56-K-12-231011-00-06	JD74713-9	JD74713	Soil	PCBs, TS
EA56-K-12-231011-06-12	JD74713-10	JD74713	Soil	PCBs, TS
EA56-K-12-BD0001	JD74713-11	JD74713	Soil	PCBs, TS
EA56-K-L-7-8-231011-06-12	JD74713-13	JD74713	Soil	PCBs, TS
EA56-L-M-10-231012-00-06	JD74713-14	JD74713	Soil	PCBs, TS
EA56-L-M-10-231012-06-12	JD74713-15	JD74713	Soil	PCBs, TS
EA56-M-N-10-231012-00-06	JD74713-16	JD74713	Soil	PCBs, TS
EA56-M-N-10-231012-06-12	JD74713-17	JD74713	Soil	PCBs, TS
EA56-M-N-7-8-231011-00-06	JD74713-18	JD74713	Soil	PCBs, TS
EA56-M-N-7-8-231011-06-12	JD74713-19	JD74713	Soil	PCBs, TS
EA56-N-14-231011-00-06	JD74713-20	JD74713	Soil	PCBs, TS
EA56-N-14-231011-06-12	JD74713-21	JD74713	Soil	PCBs, TS
EA56-N-O-11-12-231012-00-06	JD74713-22	JD74713	Soil	PCBs, TS
EA56-N-O-11-12-231012-06-12	JD74713-23	JD74713	Soil	PCBs, TS
EA56-O-P-16-231011-06-12	JD74713-24	JD74713	Soil	PCBs, TS
EA56-P-6-231012-00-06	JD74713-25	JD74713	Soil	PCBs, TS
EA56-P-6-231012-06-12	JD74713-26	JD74713	Soil	PCBs, TS
EA56-Q-R-6-7-231012-00-06	JD74713-27	JD74713	Soil	PCBs, TS
EA56-Q-R-6-7-231012-06-12	JD74713-28	JD74713	Soil	PCBs, TS
EA56-Q-R-6-7-BD0001	JD74713-29	JD74713	Soil	PCBs, TS
EA56-Q-R-9-10-231012-00-06	JD74713-31	JD74713	Soil	PCBs, TS
EA56-S-6-7-231012-00-06	JD74713-32	JD74713	Soil	PCBs, TS
EA56-S-6-7-231012-06-12	JD74713-33	JD74713	Soil	PCBs, TS
EA56-T-U-20-231011-00-06	JD74713-34	JD74713	Soil	PCBs, TS
EA56-T-U-20-231011-06-12	JD74713-35	JD74713	Soil	PCBs, TS
EA56-U-6-7-231012-00-06	JD74713-36	JD74713	Soil	PCBs, TS
EA56-U-6-7-231012-06-12	JD74713-37	JD74713	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-V-W-6-231012-00-06	JD74713-38	JD74713	Soil	PCBs, TS
EA56-V-W-6-231012-06-12	JD74713-39	JD74713	Soil	PCBs, TS
EA56-W-X-6-231012-00-06	JD74713-40	JD74713	Soil	PCBs, TS
EA56-W-X-6-231012-06-12	JD74713-41	JD74713	Soil	PCBs, TS
EA56-Y-Z-7-231012-00-06	JD74713-42	JD74713	Soil	PCBs, TS
EA56-Y-Z-7-231012-06-12	JD74713-43	JD74713	Soil	PCBs, TS
EA56A-AB-8-9-231012-00-06	JD74713-44	JD74713	Soil	PCBs, TS
EA56A-O-14-231012-00-06	JD74713-45	JD74713	Soil	PCBs, TS
EA56A-O-14-231012-06-12	JD74713-46	JD74713	Soil	PCBs, TS
EA56A-O-P-9-231012-00-06	JD74713-47	JD74713	Soil	PCBs, TS
EA56A-O-P-9-231012-06-12	JD74713-48	JD74713	Soil	PCBs, TS
EA56A-P-11-231012-00-06	JD74713-49	JD74713	Soil	PCBs, TS
EA56A-P-11-231012-06-12	JD74713-50	JD74713	Soil	PCBs, TS
EA56A-Q-15-16-231012-00-06	JD74713-51	JD74713	Soil	PCBs, TS
EA56A-Q-15-16-231012-06-12	JD74713-52	JD74713	Soil	PCBs, TS
EA56A-Q-17-231011-00-06	JD74713-53	JD74713	Soil	PCBs, TS
EA56A-Q-17-231011-06-12	JD74713-54	JD74713	Soil	PCBs, TS
EA56A-Q-7-8-231012-00-06	JD74713-55	JD74713	Soil	PCBs, TS
EA56A-Q-7-8-231012-06-12	JD74713-56	JD74713	Soil	PCBs, TS
EA56A-S-17-231012-00-06	JD74713-57	JD74713	Soil	PCBs, TS
EA56A-S-17-231012-06-12	JD74713-58	JD74713	Soil	PCBs, TS
EA56A-S-18-231011-00-06	JD74713-59	JD74713	Soil	PCBs, TS
EA56A-S-18-231011-06-12	JD74713-60	JD74713	Soil	PCBs, TS
EA56A-S-18-BD0001	JD74713-61	JD74713	Soil	PCBs, TS
EA56A-S-7-8-231012-00-06	JD74713-63	JD74713	Soil	PCBs, TS
EA56A-S-7-8-231012-06-12	JD74713-64	JD74713	Soil	PCBs, TS
EA56A-U-19-20-231012-00-06	JD74713-65	JD74713	Soil	PCBs, TS
EA56A-U-19-20-231012-06-12	JD74713-66	JD74713	Soil	PCBs, TS
EA56A-U-19-20-BD0001	JD74713-67	JD74713	Soil	PCBs, TS
EA56A-X-Y-7-8-231012-00-06	JD74713-69	JD74713	Soil	PCBs, TS
EA56A-X-Y-7-8-231012-06-12	JD74713-70	JD74713	Soil	PCBs, TS
EA56A-Z-AA-8-231012-00-06	JD74713-71	JD74713	Soil	PCBs, TS
EA56A-Z-AA-8-231012-06-12	JD74713-72	JD74713	Soil	PCBs, TS
RB-2310110832	JD74713-12	JD74713	Water	PCBs
RB-2310110844	JD74713-62	JD74713	Water	PCBs
RB-2310120821	JD74713-30	JD74713	Water	PCBs
RB-2310120845	JD74713-68	JD74713	Water	PCBs
EA56-AC-16-17-231017-00-06	JD74963-1	JD74963	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-AC-16-17-231017-06-12	JD74963-2	JD74963	Soil	PCBs, TS
EA56-AC-18-19-231012-00-06	JD74963-3	JD74963	Soil	PCBs, TS
EA56-AC-18-19-231012-06-12	JD74963-4	JD74963	Soil	PCBs, TS
EA56-AC-AD-10-231012-00-06	JD74963-5	JD74963	Soil	PCBs, TS
EA56-AC-AD-10-231012-06-12	JD74963-6	JD74963	Soil	PCBs, TS
EA56-AD-12-231012-00-06	JD74963-7	JD74963	Soil	PCBs, TS
EA56-AD-12-231012-06-12	JD74963-8	JD74963	Soil	PCBs, TS
EA56-AD-15-231017-00-06	JD74963-9	JD74963	Soil	PCBs, TS
EA56-AD-15-231017-06-12	JD74963-10	JD74963	Soil	PCBs, TS
EA56-AD-15-BD0001	JD74963-11	JD74963	Soil	PCBs, TS
EA56-AE-13-231017-00-06	JD74963-13	JD74963	Soil	PCBs, TS
EA56-AE-13-231017-06-12	JD74963-14	JD74963	Soil	PCBs, TS
EA56-AE-17-231017-00-06	JD74963-15	JD74963	Soil	PCBs, TS
EA56-AE-17-231017-06-12	JD74963-16	JD74963	Soil	PCBs, TS
EA56-AE-AF-10-11-231017-00-06	JD74963-17	JD74963	Soil	PCBs, TS
EA56-AE-AF-10-11-231017-06-12	JD74963-18	JD74963	Soil	PCBs, TS
EA56-AG-17-231017-00-06	JD74963-19	JD74963	Soil	PCBs, TS
EA56-AG-17-231017-06-12	JD74963-20	JD74963	Soil	PCBs, TS
EA56-AI-16-231017-00-06	JD74963-21	JD74963	Soil	PCBs, TS
EA56-AI-16-231017-06-12	JD74963-22	JD74963	Soil	PCBs, TS
EA56-AK-16-231017-00-06	JD74963-23	JD74963	Soil	PCBs, TS
EA56-AK-16-231017-06-12	JD74963-24	JD74963	Soil	PCBs, TS
EA56-AM-15-16-231017-00-06	JD74963-25	JD74963	Soil	PCBs, TS
EA56-AM-15-16-231017-06-12	JD74963-26	JD74963	Soil	PCBs, TS
EA56-AO-15-231017-00-06	JD74963-27	JD74963	Soil	PCBs, TS
EA56-AO-15-231017-06-12	JD74963-28	JD74963	Soil	PCBs, TS
EA56-AQ-14-231017-00-06	JD74963-29	JD74963	Soil	PCBs, TS
EA56-AQ-14-231017-06-12	JD74963-30	JD74963	Soil	PCBs, TS
EA56-AS-13-231017-00-06	JD74963-31	JD74963	Soil	PCBs, TS
EA56-AS-13-231017-06-12	JD74963-32	JD74963	Soil	PCBs, TS
EA56-AS-13-BD0001	JD74963-33	JD74963	Soil	PCBs, TS
EA56-AU-13-231017-00-06	JD74963-35	JD74963	Soil	PCBs, TS
EA56-AU-13-231017-06-12	JD74963-36	JD74963	Soil	PCBs, TS
EA56-AV-AW-11-12-231017-00-06	JD74963-37	JD74963	Soil	PCBs, TS
EA56-AV-AW-11-12-231017-06-12	JD74963-38	JD74963	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-AW-AX-12-13-231017-06-12	JD74963-39	JD74963	Soil	PCBs, TS
EA56-AY-AZ-12-231017-06-12	JD74963-40	JD74963	Soil	PCBs, TS
EA56-BA-11-231017-00-06	JD74963-41	JD74963	Soil	PCBs, TS
EA56-BA-11-231017-06-12	JD74963-42	JD74963	Soil	PCBs, TS
EA56-BA-13-231013-00-06	JD74963-43	JD74963	Soil	PCBs, TS
EA56-BA-13-231013-06-12	JD74963-44	JD74963	Soil	PCBs, TS
EA56-BA-BB-12-231013-06-12	JD74963-45	JD74963	Soil	PCBs, TS
EA56-BA-BB-12-BD0001	JD74963-46	JD74963	Soil	PCBs, TS
EA56-BB-BC-6-7-231013-00-06	JD74963-48	JD74963	Soil	PCBs, TS
EA56-BB-BC-6-7-231013-06-12	JD74963-49	JD74963	Soil	PCBs, TS
EA56-BD-5-231013-00-06	JD74963-50	JD74963	Soil	PCBs, TS
EA56-BD-5-231013-06-12	JD74963-51	JD74963	Soil	PCBs, TS
EA56-BE-4-5-231013-00-06	JD74963-52	JD74963	Soil	PCBs, TS
EA56-BE-4-5-231013-06-12	JD74963-53	JD74963	Soil	PCBs, TS
EA56-BE-BF-3-231013-00-06	JD74963-54	JD74963	Soil	PCBs, TS
EA56-BE-BF-3-231013-06-12	JD74963-55	JD74963	Soil	PCBs, TS
EA56A-AA-17-231012-00-06	JD74963-56	JD74963	Soil	PCBs, TS
EA56A-AA-17-231012-06-12	JD74963-57	JD74963	Soil	PCBs, TS
EA56A-AB-15-231012-00-06	JD74963-58	JD74963	Soil	PCBs, TS
EA56A-AB-15-231012-06-12	JD74963-59	JD74963	Soil	PCBs, TS
EA56A-AC-10-231011-00-06	JD74963-60	JD74963	Soil	PCBs, TS
EA56A-AC-10-231011-06-12	JD74963-61	JD74963	Soil	PCBs, TS
EA56A-AC-10-BD0001	JD74963-62	JD74963	Soil	PCBs, TS
EA56A-AC-13-231012-00-06	JD74963-64	JD74963	Soil	PCBs, TS
EA56A-AC-13-231012-06-12	JD74963-65	JD74963	Soil	PCBs, TS
EA56A-AE-19-231012-06-12	JD74963-66	JD74963	Soil	PCBs, TS
EA56A-AE-19-BD0001	JD74963-67	JD74963	Soil	PCBs, TS
EA56A-AF-18-19-231012-00-06	JD74963-69	JD74963	Soil	PCBs, TS
EA56A-AF-18-19-231012-06-12	JD74963-70	JD74963	Soil	PCBs, TS
EA56A-AH-18-19-231012-00-06	JD74963-71	JD74963	Soil	PCBs, TS
EA56A-AH-18-19-231012-06-12	JD74963-72	JD74963	Soil	PCBs, TS
EA56A-AJ-18-19-231012-00-06	JD74963-73	JD74963	Soil	PCBs, TS
EA56A-AJ-18-19-231012-06-12	JD74963-74	JD74963	Soil	PCBs, TS
EA56A-AL-AM-18-231012-06-12	JD74963-75	JD74963	Soil	PCBs, TS
EA56A-AN-17-18-231012-00-06	JD74963-76	JD74963	Soil	PCBs, TS
EA56A-AN-17-18-231012-06-12	JD74963-77	JD74963	Soil	PCBs, TS
EA56A-AP-17-231012-00-06	JD74963-78	JD74963	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56A-AP-17-231012-06-12	JD74963-79	JD74963	Soil	PCBs, TS
EA56A-AR-16-17-231012-00-06	JD74963-80	JD74963	Soil	PCBs, TS
EA56A-AR-16-17-231012-06-12	JD74963-81	JD74963	Soil	PCBs, TS
EA56A-AS-AT-15-16-231012-06-12	JD74963-82	JD74963	Soil	PCBs, TS
EA56A-AS-AT-15-16-BD0001	JD74963-83	JD74963	Soil	PCBs, TS
EA56A-AV-15-16-231012-00-06	JD74963-85	JD74963	Soil	PCBs, TS
EA56A-AV-15-16-231012-06-12	JD74963-86	JD74963	Soil	PCBs, TS
EA56A-AW-AX-14-231013-00-06	JD74963-87	JD74963	Soil	PCBs, TS
EA56A-AW-AX-14-231013-06-12	JD74963-88	JD74963	Soil	PCBs, TS
EA56A-AY-AZ-13-14-231013-00-06	JD74963-89	JD74963	Soil	PCBs, TS
EA56A-AY-AZ-13-14-231013-06-12	JD74963-90	JD74963	Soil	PCBs, TS
EA56A-BB-BC-10-231013-00-06	JD74963-91	JD74963	Soil	PCBs, TS
EA56A-BB-BC-10-231013-06-12	JD74963-92	JD74963	Soil	PCBs, TS
EA56A-BC-10-11-231013-00-06	JD74963-93	JD74963	Soil	PCBs, TS
EA56A-BC-10-11-231013-06-12	JD74963-94	JD74963	Soil	PCBs, TS
EA56A-BC-BD-13-231013-00-06	JD74963-95	JD74963	Soil	PCBs, TS
EA56A-BC-BD-13-231013-06-12	JD74963-96	JD74963	Soil	PCBs, TS
EA56A-BD-6-7-231013-00-06	JD74963-97	JD74963	Soil	PCBs, TS
EA56A-BD-6-7-231013-06-12	JD74963-98	JD74963	Soil	PCBs, TS
EA56A-BD-6-7-BD0001	JD74963-99	JD74963	Soil	PCBs, TS
RB-2310121617	JD74963-84	JD74963	Water	PCBs
RB-2310121629	JD74963-63	JD74963	Water	PCBs
RB-2310121646	JD74963-68	JD74963	Water	PCBs
RB-2310131228	JD74963-100	JD74963	Water	PCBs
RB-2310131233	JD74963-47	JD74963	Water	PCBs
RB-2310170830	JD74963-34	JD74963	Water	PCBs
RB-2310170851	JD74963-12	JD74963	Water	PCBs

Data Validation Report – EPA Stage 2A

January 31, 2024

Project: GE Housatonic River Floodplain
Project Number: 230469-05.01
DVR Number: AQ-2024-0017

This report summarizes the review of analytical results for 98 soil samples, 22 sediment samples, 5 field duplicate samples, and 5 equipment rinsate blanks collected in September and October 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 solids (TS) by Standard Method 2540G

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)
- *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

Five 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

Five field duplicates were collected in association with these sample sets. Detected results are summarized in Table 1. Results that were less than five times the method reporting limit (MRL) were assessed by the difference between them and assessed using $\pm$ twice the MRL. Field duplicate relative percent difference (RPD) values were assessed by the 50% RPD specified in the quality assurance project plan. Field duplicate RPD and difference values were within control limits.

Table 1
Field Duplicate Summary

Analyte	EA59-D-E-12-13- 231025-06-12	EA59-D-E-12-13- BD0001	RPD	Difference	Difference CL
Total solids	91.2 %	91.7 %	1%	--	--

Analyte	EA59-L-M-4-5- 231025-00-06	EA59-L-M-4-5- BD0001	RPD	Difference	Difference CL
Total solids	90.8 %	91.7 %	1%	--	--

Analyte	EA59-C-D-11- 231019-06-12	EA59-C-D-11- BD0001	RPD	Difference	Difference CL
Aroclor 1260	8.0 µg/kg	8.2 µg/kg	--	0.2 µg/kg	42.0 µg/kg
Total solids	95.3 %	94.5 %	1%	--	--

Analyte	EA56-AP-11-12-231017-00-06	EA56-AP-11-12-BD0001	RPD	Difference	Difference CL
Aroclor 1260	101 µg/kg	66.6 µg/kg	--	34.4 µg/kg	280.0 µg/kg
Total solids	13.4 %	14.1 %	5%	--	--

Analyte	EA60A-C-6-231019-12-24	EA60A-C-6-BD0001	RPD	Difference	Difference CL
Total solids	88.4 %	88.0 %	0%	--	--

Notes:

µg/kg: microgram per kilogram

Surrogate Spike Recoveries

Surrogates recovered within project-required control limits. 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 (CLs) in these instances. When surrogate recoveries were outside of the CLs in one column, and results were reported from the other column no data were qualified. When surrogates recovered above CLs and sample results were below detection, no data were qualified. Surrogates recovered outside of CLs in some laboratory QC samples; however, data are not qualified for surrogate outliers in QC samples alone. Surrogate recoveries were otherwise within CLs with the following exceptions:

- Decachlorobiphenyl (DCB) surrogate recovered below 10% for sample RB-2310251442. The sample results were rejected due to the low recovery.
- Tetrachloro-m-xylene (TMX) surrogate recovered below the control limit for sample SE-I-J-8-9-230913-02-03. The sample results were qualified "J" or "UJ" for potential low bias.

Column Confirmation Results

Second column confirmation results were within method requirements (40% RPD) for detected results with the exception of four samples for Aroclor 1260. These results were qualified "J" as estimated.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs) were analyzed at the required frequency. No data were qualified when the recoveries and/or the RPD values were above the CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs.

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 CLs and sample concentration were not detected. Recoveries and/or RPD values were within project-required CLs with the following exceptions.

- Aroclor 1260 recovered above the control limit in the MS analyzed on sample EA56-AY-10-231017-00-06. Associated detected sample results have been qualified "J" for potential high bias.
- Aroclor 1260 recovered above the control limit in the MS analyzed on sample SE-574-00-C-230914-02-03. Associated sample results have been qualified "J" or "UJ" for potential low bias.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency for TS analysis and RPD values were within project-required CLs.

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. 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
EA56-AY-10-231017-00-06	PCBs	Aroclor 1260	263 µg/kg	263J µg/kg	MS %R above CL
EA58-D-17-18-231019-06-12	PCBs	Aroclor 1260	19.1 µg/kg	19.1J µg/kg	RPD between columns
EA58-D-17-18-231019-12-24	PCBs	Aroclor 1260	32.8 µg/kg	32.8J µg/kg	RPD between columns
EA58-I-J-8-9-231025-00-06	PCBs	Aroclor 1260	10.8 µg/kg	10.8J µg/kg	RPD between columns
EA60A-C-6-231019-06-12	PCBs	Aroclor 1260	22.1 µg/kg	22.1J µg/kg	RPD between columns
RB-2310251442	PCBs	Aroclor 1016	0.40 µg/L	R	Surrogate %R below 10%
		Aroclor 1221	0.40 µg/L	R	
		Aroclor 1232	0.40 µg/L	R	
		Aroclor 1242	0.40 µg/L	R	
		Aroclor 1248	0.40 µg/L	R	
		Aroclor 1254	0.40 µg/L	R	
		Aroclor 1260	0.40 µg/L	R	
SE-574-00-C-230914-02-03	PCBs	Aroclor 1248	27 µg/kg	27UJ µg/kg	MS %R below CL
		Aroclor 1254	27 µg/kg	27UJ µg/kg	
		Aroclor 1260	127 µg/kg	127J µg/kg	
SE-I-J-8-9-230913-02-03	PCBs	Aroclor 1016	110 µg/kg	110UJ µg/kg	Surrogate %R below CL
		Aroclor 1221	110 µg/kg	110UJ µg/kg	
		Aroclor 1232	110 µg/kg	110UJ µg/kg	
		Aroclor 1242	110 µg/kg	110UJ µg/kg	
		Aroclor 1248	34.0 µg/kg	34.0J µg/kg	
		Aroclor 1254	110 µg/kg	110UJ µg/kg	
		Aroclor 1260	126 µg/kg	126J µg/kg	

Notes:

%R: percent recovery

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

Table 1-1
Sample IDs, SDGs, Matrices, and Analyses

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
SE-I-1-2-230913-02-03	JD72837-1R	JD72837R	Sediment	PCBs, TS
SE-I-1-2-230913-03-04	JD72837-2R	JD72837R	Sediment	PCBs, TS
SE-I-J-7-8-230913-02-03	JD72837-3R	JD72837R	Sediment	PCBs, TS
SE-I-J-8-9-230913-02-03	JD72837-4R	JD72837R	Sediment	PCBs, TS
SE-J-K-6-7-230912-02-03	JD72837-5R	JD72837R	Sediment	PCBs, TS
SE-J-K-6-7-230912-03-04	JD72837-6R	JD72837R	Sediment	PCBs, TS
SE-J-K-7-8-230912-02-03	JD72837-7R	JD72837R	Sediment	PCBs, TS
SE-J-K-7-8-230912-03-04	JD72837-8R	JD72837R	Sediment	PCBs, TS
SE-J-K-8-9-230912-02-03	JD72837-9R	JD72837R	Sediment	PCBs, TS
SE-J-K-8-9-230912-03-04	JD72837-10R	JD72837R	Sediment	PCBs, TS
SE-K-7-230913-02-03	JD72837-11R	JD72837R	Sediment	PCBs, TS
SE-K-L-6-7-230912-02-03	JD72837-12R	JD72837R	Sediment	PCBs, TS
SE-K-L-7-8-230912-02-03	JD72837-13R	JD72837R	Sediment	PCBs, TS
SE-574-00-C-230914-02-03	JD73094-1R	JD73094R	Sediment	PCBs, TS
SE-574-00-C-230914-03-04	JD73094-2R	JD73094R	Sediment	PCBs, TS
SE-574-00-E-230918-02-03	JD73094-3R	JD73094R	Sediment	PCBs, TS
SE-574-00-E-230918-03-04	JD73094-4R	JD73094R	Sediment	PCBs, TS
SE-576-52-E-230915-02-03	JD73094-5R	JD73094R	Sediment	PCBs, TS
SE-576-52-W-230915-02-03	JD73094-6R	JD73094R	Sediment	PCBs, TS
SE-578-99-E-230915-02-03	JD73094-7R	JD73094R	Sediment	PCBs, TS
SE-578-99-W-230915-02-03	JD73094-8R	JD73094R	Sediment	PCBs, TS
SE-581-51-E-230915-02-03	JD73094-9R	JD73094R	Sediment	PCBs, TS
EA56-AF-AG-16-231017-00-06	JD75152-1	JD75152	Soil	PCBs, TS
EA56-AF-AG-16-231017-06-12	JD75152-2	JD75152	Soil	PCBs, TS
EA56-AG-12-231017-00-06	JD75152-3	JD75152	Soil	PCBs, TS
EA56-AG-12-231017-06-12	JD75152-4	JD75152	Soil	PCBs, TS
EA56-AH-14-15-231017-00-06	JD75152-5	JD75152	Soil	PCBs, TS
EA56-AH-14-15-231017-06-12	JD75152-6	JD75152	Soil	PCBs, TS
EA56-AI-AJ-12-13-231017-00-06	JD75152-7	JD75152	Soil	PCBs, TS
EA56-AI-AJ-12-13-231017-06-12	JD75152-8	JD75152	Soil	PCBs, TS
EA56-AK-13-14-231017-00-06	JD75152-9	JD75152	Soil	PCBs, TS
EA56-AK-13-14-231017-06-12	JD75152-10	JD75152	Soil	PCBs, TS
EA56-AL-AM-12-13-231017-06-12	JD75152-11	JD75152	Soil	PCBs, TS
EA56-AO-13-231017-00-06	JD75152-12	JD75152	Soil	PCBs, TS
EA56-AO-13-231017-06-12	JD75152-13	JD75152	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA56-AP-10-231017-00-06	JD75152-14	JD75152	Soil	PCBs, TS
EA56-AP-10-231017-06-12	JD75152-15	JD75152	Soil	PCBs, TS
EA56-AP-11-12-231017-00-06	JD75152-16	JD75152	Soil	PCBs, TS
EA56-AP-11-12-231017-06-12	JD75152-17	JD75152	Soil	PCBs, TS
EA56-AP-11-12-BD0001	JD75152-18	JD75152	Soil	PCBs, TS
EA56-AR-11-231017-00-06	JD75152-20	JD75152	Soil	PCBs, TS
EA56-AR-11-231017-06-12	JD75152-21	JD75152	Soil	PCBs, TS
EA56-AY-10-231017-00-06	JD75152-22	JD75152	Soil	PCBs, TS
EA56-AY-10-231017-06-12	JD75152-23	JD75152	Soil	PCBs, TS
EA56A-BB-BC-8-9-231017-00-06	JD75152-24	JD75152	Soil	PCBs, TS
EA56A-BB-BC-8-9-231017-06-12	JD75152-25	JD75152	Soil	PCBs, TS
EA58-B-C-18-19-231019-00-06	JD75152-26	JD75152	Soil	PCBs, TS
EA58-B-C-18-19-231019-06-12	JD75152-27	JD75152	Soil	PCBs, TS
EA58-D-17-18-231019-00-06	JD75152-28	JD75152	Soil	PCBs, TS
EA58-D-17-18-231019-06-12	JD75152-29	JD75152	Soil	PCBs, TS
EA58-D-17-18-231019-12-24	JD75152-30	JD75152	Soil	PCBs, TS
EA60A-B-C-5-6-231019-00-06	JD75152-31	JD75152	Soil	PCBs, TS
EA60A-B-C-5-6-231019-06-12	JD75152-32	JD75152	Soil	PCBs, TS
EA60A-B-C-5-6-231019-12-24	JD75152-33	JD75152	Soil	PCBs, TS
EA60A-B-C-5-6-231019-24-36	JD75152-34	JD75152	Soil	PCBs, TS
EA60A-C-6-231019-00-06	JD75152-35	JD75152	Soil	PCBs, TS
EA60A-C-6-231019-06-12	JD75152-36	JD75152	Soil	PCBs, TS
EA60A-C-6-231019-12-24	JD75152-37	JD75152	Soil	PCBs, TS
EA60A-C-6-231019-24-36	JD75152-38	JD75152	Soil	PCBs, TS
EA60A-C-6-BD0001	JD75152-39	JD75152	Soil	PCBs, TS
RB-2310171706	JD75152-19	JD75152	Water	PCBs
RB-2310190928	JD75152-40	JD75152	Water	PCBs
EA59-B-C-9-10-231019-00-06	JD75393-1	JD75393	Soil	PCBs, TS
EA59-B-C-9-10-231019-06-12	JD75393-2	JD75393	Soil	PCBs, TS
EA59-B-C-9-10-231019-12-24	JD75393-3	JD75393	Soil	PCBs, TS
EA59-B-C-9-10-231019-24-36	JD75393-4	JD75393	Soil	PCBs, TS
EA59-C-D-11-231019-00-06	JD75393-5	JD75393	Soil	PCBs, TS
EA59-C-D-11-231019-06-12	JD75393-6	JD75393	Soil	PCBs, TS
EA59-C-D-11-BD0001	JD75393-7	JD75393	Soil	PCBs, TS
EA59-E-F-10-11-231019-00-06	JD75393-9	JD75393	Soil	PCBs, TS
EA59-E-F-10-11-231019-06-12	JD75393-10	JD75393	Soil	PCBs, TS
EA59-E-F-10-11-231019-12-24	JD75393-11	JD75393	Soil	PCBs, TS
EA59-E-F-10-11-231019-24-36	JD75393-12	JD75393	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA59-G-8-9-231019-00-06	JD75393-13	JD75393	Soil	PCBs, TS
EA59-G-8-9-231019-06-12	JD75393-14	JD75393	Soil	PCBs, TS
EA59-G-8-9-231019-12-24	JD75393-15	JD75393	Soil	PCBs, TS
EA59-H-I-6-7-231019-00-06	JD75393-16	JD75393	Soil	PCBs, TS
EA59-H-I-6-7-231019-06-12	JD75393-17	JD75393	Soil	PCBs, TS
EA59-H-I-6-7-231019-12-24	JD75393-18	JD75393	Soil	PCBs, TS
RB-2310191548	JD75393-8	JD75393	Water	PCBs
EA58-D-E-15-16-231025-00-06	JD75574-1	JD75574	Soil	PCBs, TS
EA58-D-E-15-16-231025-06-12	JD75574-2	JD75574	Soil	PCBs, TS
EA58-D-E-15-16-231025-12-18	JD75574-3	JD75574	Soil	PCBs, TS
EA58-F-13-14-231025-00-06	JD75574-4	JD75574	Soil	PCBs, TS
EA58-F-13-14-231025-06-12	JD75574-5	JD75574	Soil	PCBs, TS
EA58-F-13-14-231025-12-24	JD75574-6	JD75574	Soil	PCBs, TS
EA58-F-13-14-231025-24-36	JD75574-7	JD75574	Soil	PCBs, TS
EA58-G-12-231025-00-06	JD75574-8	JD75574	Soil	PCBs, TS
EA58-G-12-231025-06-12	JD75574-9	JD75574	Soil	PCBs, TS
EA58-G-12-231025-12-24	JD75574-10	JD75574	Soil	PCBs, TS
EA58-G-12-231025-24-30	JD75574-11	JD75574	Soil	PCBs, TS
EA58-H-I-10-11-231025-00-06	JD75574-12	JD75574	Soil	PCBs, TS
EA58-H-I-10-11-231025-06-12	JD75574-13	JD75574	Soil	PCBs, TS
EA58-H-I-10-11-231025-12-24	JD75574-14	JD75574	Soil	PCBs, TS
EA58-H-I-10-11-231025-24-36	JD75574-15	JD75574	Soil	PCBs, TS
EA58-I-J-3-231025-00-06	JD75574-16	JD75574	Soil	PCBs, TS
EA58-I-J-3-231025-06-12	JD75574-17	JD75574	Soil	PCBs, TS
EA58-I-J-3-231025-12-24	JD75574-18	JD75574	Soil	PCBs, TS
EA58-I-J-8-9-231025-00-06	JD75574-19	JD75574	Soil	PCBs, TS
EA58-I-J-8-9-231025-06-12	JD75574-20	JD75574	Soil	PCBs, TS
EA58-I-J-8-9-231025-12-24	JD75574-21	JD75574	Soil	PCBs, TS
EA58-I-J-8-9-231025-24-36	JD75574-22	JD75574	Soil	PCBs, TS
EA58-J-K-5-231025-00-06	JD75574-23	JD75574	Soil	PCBs, TS
EA58-J-K-5-231025-06-12	JD75574-24	JD75574	Soil	PCBs, TS
EA58-J-K-5-231025-12-24	JD75574-25	JD75574	Soil	PCBs, TS
EA58-K-7-231025-00-06	JD75574-26	JD75574	Soil	PCBs, TS
EA58-K-7-231025-06-12	JD75574-27	JD75574	Soil	PCBs, TS
EA58-K-7-231025-12-24	JD75574-28	JD75574	Soil	PCBs, TS
EA59-D-E-12-13-231025-00-06	JD75574-29	JD75574	Soil	PCBs, TS
EA59-D-E-12-13-231025-06-12	JD75574-30	JD75574	Soil	PCBs, TS
EA59-D-E-12-13-BD0001	JD75574-31	JD75574	Soil	PCBs, TS

Sample ID	Lab Sample ID	SDG	Matrix	Analyses
EA59-D-E-15-16-231025-00-06	JD75574-33	JD75574	Soil	PCBs, TS
EA59-D-E-15-16-231025-06-12	JD75574-34	JD75574	Soil	PCBs, TS
EA59-D-E-17-18-231025-00-06	JD75574-35	JD75574	Soil	PCBs, TS
EA59-D-E-17-18-231025-06-12	JD75574-36	JD75574	Soil	PCBs, TS
EA59-J-K-5-231025-00-06	JD75574-37	JD75574	Soil	PCBs, TS
EA59-J-K-5-231025-06-12	JD75574-38	JD75574	Soil	PCBs, TS
EA59-J-K-5-231025-12-24	JD75574-39	JD75574	Soil	PCBs, TS
EA59-J-K-5-231025-24-30	JD75574-40	JD75574	Soil	PCBs, TS
EA59-L-M-4-5-231025-00-06	JD75574-41	JD75574	Soil	PCBs, TS
EA59-L-M-4-5-231025-06-12	JD75574-42	JD75574	Soil	PCBs, TS
EA59-L-M-4-5-231025-12-24	JD75574-43	JD75574	Soil	PCBs, TS
EA59-L-M-4-5-BD0001	JD75574-44	JD75574	Soil	PCBs, TS
RB-2310251428	JD75574-32	JD75574	Water	PCBs
RB-2310251442	JD75574-45	JD75574	Water	PCBs
EA58-B-C-18-19-231026-12-24	JD75676-1	JD75676	Soil	PCBs, TS
EA58-B-C-18-19-231026-24-30	JD75676-2	JD75676	Soil	PCBs, TS
EA58-D-17-18-231026-24-30	JD75676-3	JD75676	Soil	PCBs, TS
EA59-G-8-9-231026-24-30	JD75676-4	JD75676	Soil	PCBs, TS
EA59-H-I-6-7-231026-24-36	JD75676-5	JD75676	Soil	PCBs, TS

Appendix C

Analytical Data Summary Tables

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-574-00-C-230914-00-01 9/14/2023 0–1 ft	SE-574-00-C-230914-01-02 9/14/2023 1–2 ft	SE-574-00-C-230914-02-03 9/14/2023 2–3 ft	SE-574-00-C-230914-03-04 9/14/2023 3–4 ft	SE-574-00-E-230918-00-01 9/18/2023 0–1 ft	SE-574-00-E-230918-01-02 9/18/2023 1–2 ft	SE-574-00-E-230918-02-03 9/18/2023 2–3 ft	SE-574-00-E-230918-03-04 9/18/2023 3–4 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	10.4	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	Non-plastic	--	--	--	Non-plastic	--
Plasticity index	D4318	--	--	Non-plastic	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	1.4	--
Liquid limit	D4318	--	--	Non-plastic	--	--	--	Non-plastic	--
Liquidity Index	D4318	--	--	Non-plastic	--	--	--	Non-plastic	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	35.5	--	--	--	98.1	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	44.2	49	--	--	30.2	37.5	--	--
Total solids	SM2540G	--	--	74.4	76.6	--	--	52.2	63.7
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	42	--
Grain Size (pct)									
Gravel	D422	--	--	3.8	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	16	--	--	--	34	--
Percent passing (hydrometer 2)	D422	--	--	3	--	--	--	10	--
Percent passing (hydrometer 3)	D422	--	--	1	--	--	--	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	--	--	41.1	--	--	--	58	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	86.4	--	--	--	100	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	100	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	96.2	--	--	--	100	--
Percent passing 50-micron sieve	D422	--	--	75.3	--	--	--	80.4	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	28.3	--	--	--	43	--
Percent passing 8.0-micron	D422	--	--	93.1	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	85.7	--	--	--	99.4	--
Percent retained 30-micron sieve	D422	--	--	82.8	--	--	--	89.6	--
Sand	D422	--	--	67.9	--	--	--	57	--
Silt	D422	--	--	28.3	--	--	--	43	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.044)	ND (0.040)	ND (0.027)	ND (0.025)	ND (0.066)	ND (0.052)	ND (0.036)	ND (0.031)
Aroclor 1221	SW8082A	ND (0.044)	ND (0.040)	ND (0.027)	ND (0.025)	ND (0.066)	ND (0.052)	ND (0.036)	ND (0.031)
Aroclor 1232	SW8082A	ND (0.044)	ND (0.040)	ND (0.027)	ND (0.025)	ND (0.066)	ND (0.052)	ND (0.036)	ND (0.031)
Aroclor 1242	SW8082A	ND (0.044)	ND (0.040)	ND (0.027)	ND (0.025)	ND (0.066)	ND (0.052)	ND (0.036)	ND (0.031)
Aroclor 1248	SW8082A	ND (0.044)	ND (0.040)	ND (0.027)	ND (0.025)	ND (0.066)	ND (0.052)	0.0322 J	0.0119 J
Aroclor 1254	SW8082A	ND (0.044)	ND (0.040)	ND (0.027)	ND (0.025)	ND (0.066)	ND (0.052)	ND (0.036)	ND (0.031)
Aroclor 1260	SW8082A	1.57	5.08	0.127 J	ND (0.025)	11.8	0.488	0.0886	0.035
Total PCB Aroclors (ND = 0 max limit)		1.57	5.08	0.127 J	ND (0.021)	11.8	0.488	0.121 J	0.0469 J

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-576-52-E-230915-00-01 9/15/2023 0–1 ft	SE-576-52-E-230915-01-02 9/15/2023 1–2 ft	SE-576-52-E-230915-02-03 9/15/2023 2–3 ft	SE-576-52-W-230915-00-01 9/15/2023 0–1 ft	SE-576-52-W-230915-01-02 9/15/2023 1–2 ft	SE-576-52-W-230915-02-03 9/15/2023 2–3 ft	SE-576-52-W-BD0001 9/15/2023 0–1 ft	SE-578-99-E-230915-00-01 9/15/2023 0–1 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	5.4	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	Non-plastic	--	--	--
Plasticity index	D4318	--	Non-plastic	--	--	Non-plastic	--	--	--
Specific gravity	D1429	--	1.8	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	Non-plastic	--	--	--
Liquidity Index	D4318	--	Non-plastic	--	--	Non-plastic	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	63.9	--	--	182	--	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	60.9	66.7	--	31.8	33.5	--	32.7	79.5
Total solids	SM2540G	--	--	75.1	--	--	51.9	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	55	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	18	--	--	24	--	--	--
Percent passing (hydrometer 2)	D422	--	5	--	--	5	--	--	--
Percent passing (hydrometer 3)	D422	--	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	--	51.5	--	--	49.2	--	--	--
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	--	93.9	--	--	70.4	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	29.6	--	--	36.7	--	--	--
Percent passing 8.0-micron	D422	--	100	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	100	--	--	99.2	--	--	--
Percent retained 30-micron sieve	D422	--	97.6	--	--	81.6	--	--	--
Sand	D422	--	70.4	--	--	63.3	--	--	--
Silt	D422	--	29.6	--	--	36.7	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.060)	ND (0.056)	ND (0.037)	ND (0.061)	ND (0.025)
Aroclor 1221	SW8082A	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.060)	ND (0.056)	ND (0.037)	ND (0.061)	ND (0.025)
Aroclor 1232	SW8082A	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.060)	ND (0.056)	ND (0.037)	ND (0.061)	ND (0.025)
Aroclor 1242	SW8082A	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.060)	ND (0.056)	ND (0.037)	ND (0.061)	ND (0.025)
Aroclor 1248	SW8082A	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.060)	ND (0.056)	ND (0.037)	ND (0.061)	ND (0.025)
Aroclor 1254	SW8082A	ND (0.033)	ND (0.029)	ND (0.025)	ND (0.060)	ND (0.056)	0.0092 J	ND (0.061)	ND (0.025)
Aroclor 1260	SW8082A	0.0356	ND (0.029)	ND (0.025)	2.32	12.3	0.0447	3.4	0.298
Total PCB Aroclors (ND = 0 max limit)		0.0356	ND (0.024)	ND (0.021)	2.32	12.3	0.054 J	3.4	0.298

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-578-99-E-230915-01-02 9/15/2023 1–2 ft	SE-578-99-E-230915-02-03 9/15/2023 2–3 ft	SE-578-99-W-230915-00-01 9/15/2023 0–1 ft	SE-578-99-W-230915-01-02 9/15/2023 1–2 ft	SE-578-99-W-230915-02-03 9/15/2023 2–3 ft	SE-581-51-E-230915-00-01 9/15/2023 0–1 ft	SE-581-51-E-230915-01-02 9/15/2023 1–2 ft
Chemical								
Conventional Parameters (percent)								
Organic Content	D2974	--	--	--	--	--	--	--
Conventional Parameters (unitless)								
Plastic limit	D4318	--	--	--	--	--	--	--
Plasticity index	D4318	--	--	--	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	--	--
Liquidity Index	D4318	--	--	--	--	--	--	--
Conventional Parameters (percent)								
Moisture (water) content	D2216	--	--	--	--	--	--	--
Total solids	SM2540D	--	--	--	--	--	--	--
Total solids	SM2540E	69.5	--	41.4	43.4	--	64.5	77.9
Total solids	SM2540G	--	73.7	--	--	69.1	--	--
Conventional Parameters (lb/ft³)								
Density (bulk)	D2937	--	--	--	--	--	--	--
Grain Size (pct)								
Gravel	D422	--	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--	--
Percent passing 8.0-micron	D422	--	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--	--
PCB Aroclors (mg/kg)								
Aroclor 1016	SW8082A	ND (0.028)	ND (0.026)	ND (0.043)	ND (0.040)	ND (0.028)	ND (0.030)	ND (0.023)
Aroclor 1221	SW8082A	ND (0.028)	ND (0.026)	ND (0.043)	ND (0.040)	ND (0.028)	ND (0.030)	ND (0.023)
Aroclor 1232	SW8082A	ND (0.028)	ND (0.026)	ND (0.043)	ND (0.040)	ND (0.028)	ND (0.030)	ND (0.023)
Aroclor 1242	SW8082A	ND (0.028)	ND (0.026)	ND (0.043)	ND (0.040)	ND (0.028)	ND (0.030)	ND (0.023)
Aroclor 1248	SW8082A	ND (0.028)	ND (0.026)	ND (0.043)	ND (0.040)	ND (0.028)	ND (0.030)	ND (0.023)
Aroclor 1254	SW8082A	ND (0.028)	ND (0.026)	ND (0.043)	ND (0.040)	ND (0.028)	ND (0.030)	ND (0.023)
Aroclor 1260	SW8082A	0.0214 J	0.0115 J	2.07	31.1	3.89	1.08	0.0387
Total PCB Aroclors (ND = 0 max limit)		0.0214 J	0.0115 J	2.07	31.1	3.89	1.08	0.0387

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-581-51-E-230915-02-03 9/15/2023 2–3 ft	SE-A-7-8-230819-00-01 8/19/2023 0–1 ft	SE-A-7-8-230819-01-02 8/19/2023 1–2 ft	SE-A-7-8-230819-02-03 8/19/2023 2–3 ft	SE-A-B-8-9-230819-00-01 8/19/2023 0–1 ft	SE-A-B-8-9-230819-01-02 8/19/2023 1–2 ft	SE-B-6-230818-00-01 8/18/2023 0–1 ft	SE-B-6-230818-01-02 8/18/2023 1–2 ft	SE-B-6-7-230819-00-01 8/19/2023 0–1 ft
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	69	--	--	--	--	--
Plasticity index	D4318	--	--	--	5.3	--	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	74.3	--	--	--	--	--
Liquidity Index	D4318	--	--	--	21.5	--	--	--	--	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	180	--	--	--	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--	--
Total solids	SM2540E	--	32	38.9	--	23	33.9	40.1	38	35.1
Total solids	SM2540G	64.7	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	42.2	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	30.5	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	4.9	--	--	--	--	--
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	--	--	--	67.4	--	--	--	--	--
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	--	--	--	81	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	53.1	--	--	--	--	--
Percent passing 8.0-micron	D422	--	--	--	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.9	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	89.6	--	--	--	--	--
Sand	D422	--	--	--	46.9	--	--	--	--	--
Silt	D422	--	--	--	53.1	--	--	--	--	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.030)	ND (0.063)	ND (0.049)	--	ND (0.082)	ND (0.058)	ND (0.050)	ND (0.050)	ND (0.054)
Aroclor 1221	SW8082A	ND (0.030)	ND (0.063)	ND (0.049)	--	ND (0.082)	ND (0.058)	ND (0.050)	ND (0.050)	ND (0.054)
Aroclor 1232	SW8082A	ND (0.030)	ND (0.063)	ND (0.049)	--	ND (0.082)	ND (0.058)	ND (0.050)	ND (0.050)	ND (0.054)
Aroclor 1242	SW8082A	ND (0.030)	ND (0.063)	ND (0.049)	--	ND (0.082)	ND (0.058)	ND (0.050)	ND (0.050)	ND (0.054)
Aroclor 1248	SW8082A	ND (0.030)	ND (0.063)	ND (0.049)	--	ND (0.082)	ND (0.058)	ND (0.050)	ND (0.050)	ND (0.054)
Aroclor 1254	SW8082A	ND (0.030)	ND (0.063)	ND (0.049)	--	ND (0.082)	ND (0.058)	ND (0.050)	ND (0.050)	ND (0.054)
Aroclor 1260	SW8082A	ND (0.030)	5.8	6.42	--	0.682	3.32	10.2	16.9	3.17
Total PCB Aroclors (ND = 0 max limit)		ND (0.03)	5.8	6.42	--	0.682	3.32	10.2	16.9	3.17

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-B-6-7-230819-01-02 8/19/2023 1–2 ft	SE-B-C-7-8-230819-00-01 8/19/2023 0–1 ft	SE-B-C-7-8-230819-01-02 8/19/2023 1–2 ft	SE-B-C-8-9-230819-00-01 8/19/2023 0–1 ft	SE-B-C-8-9-230819-01-02 8/19/2023 1–2 ft	SE-C-4-5-230818-00-01 8/18/2023 0–1 ft	SE-C-4-5-230818-01-02 8/18/2023 1–2 ft	SE-C-4-5-230818-02-03 8/18/2023 2–3 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	15.3	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	Non-plastic	Non-plastic	--	--	Non-plastic	71	--	--
Plasticity index	D4318	Non-plastic	Non-plastic	--	--	Non-plastic	8.4	--	--
Specific gravity	D1429	--	--	--	--	--	1.3	--	--
Liquid limit	D4318	Non-plastic	Non-plastic	--	--	Non-plastic	79.4	--	--
Liquidity Index	D4318	Non-plastic	Non-plastic	--	--	Non-plastic	12.3	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	142	171	--	--	154	193	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	46.8	20.3	73.7	26.4	36.2	34.5	71.9	74.7
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	26	--	--
Grain Size (pct)									
Gravel	D422	0	0	--	--	0	0	--	--
Percent passing (hydrometer 1)	D422	41	39	--	--	35	42	--	--
Percent passing (hydrometer 2)	D422	4.8	6.7	--	--	7	3	--	--
Percent passing (hydrometer 3)	D422	0.95	2.9	--	--	1	1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	100	--	--	100	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	100	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	100	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	68.8	75.2	--	--	53.8	61.4	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	100	--	--	100	100	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	100	--	--	100	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	100	--	--	100	100	--	--
Percent passing 50-micron sieve	D422	80.1	83.2	--	--	68.3	72.7	--	--
Percent passing 75-micron sieve (No. 200)	D422	49.9	67.1	--	--	42.7	45.3	--	--
Percent passing 8.0-micron	D422	100	100	--	--	100	100	--	--
Percent retained 16,000-micron sieve	D422	99.9	99.8	--	--	97.8	99.8	--	--
Percent retained 30-micron sieve	D422	88.1	94	--	--	86	89.4	--	--
Sand	D422	50.1	32.9	--	--	57.3	54.8	--	--
Silt	D422	49.9	67.1	--	--	42.7	45.3	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.040)	ND (0.099)	ND (0.027)	ND (0.071)	ND (0.055)	ND (0.058)	ND (0.026)	ND (0.027)
Aroclor 1221	SW8082A	ND (0.040)	ND (0.099)	ND (0.027)	ND (0.071)	ND (0.055)	ND (0.058)	ND (0.026)	ND (0.027)
Aroclor 1232	SW8082A	ND (0.040)	ND (0.099)	ND (0.027)	ND (0.071)	ND (0.055)	ND (0.058)	ND (0.026)	ND (0.027)
Aroclor 1242	SW8082A	ND (0.040)	ND (0.099)	ND (0.027)	ND (0.071)	ND (0.055)	ND (0.058)	ND (0.026)	ND (0.027)
Aroclor 1248	SW8082A	ND (0.040)	ND (0.099)	ND (0.027)	ND (0.071)	ND (0.055)	ND (0.058)	ND (0.026)	ND (0.027)
Aroclor 1254	SW8082A	ND (0.040)	ND (0.099)	ND (0.027)	ND (0.071)	ND (0.055)	ND (0.058)	ND (0.026)	ND (0.027)
Aroclor 1260	SW8082A	9.28	0.726	0.0186 J	2.28	5.2	23.1	0.0848	ND (0.027)
Total PCB Aroclors (ND = 0 max limit)		9.28	0.726	0.0186 J	2.28	5.2	23.1	0.0848	ND (0.022)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-C-4-5-230818-03-04 8/18/2023 3–4 ft	SE-C-5-6-230819-00-01 8/19/2023 0–1 ft	SE-C-5-6-230819-01-02 8/19/2023 1–2 ft	SE-C-5-6-230819-02-03 8/19/2023 2–3 ft	SE-C-5-6-BD0001 8/19/2023 0–1 ft	SE-C-6-230819-00-01 8/19/2023 0–1 ft	SE-C-6-230819-01-02 8/19/2023 1–2 ft	SE-C-D-4-5-230818-00-01 8/18/2023 0–1 ft	SE-C-D-4-5-230818-01-02 8/18/2023 1–2 ft
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	9.9	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	Non-plastic	--	Non-plastic	--	--	--
Plasticity index	D4318	--	--	--	Non-plastic	--	Non-plastic	--	--	--
Specific gravity	D1429	--	--	--	--	--	1.4	--	--	--
Liquid limit	D4318	--	--	--	Non-plastic	--	Non-plastic	--	--	--
Liquidity Index	D4318	--	--	--	Non-plastic	--	Non-plastic	--	--	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	135	--	120	--	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--	--
Total solids	SM2540E	52.4	52.9	60.7	--	56.4	41.4	30.9	24	33.2
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft ³)										
Density (bulk)	D2937	--	--	--	--	--	33	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	0	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	21	--	22	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	5	--	4.7	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	0.99	--	0.94	--	--	--
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	--	--	--	58.3	--	38.4	--	--	--
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	--	--	--	74.3	--	65.1	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	44.2	--	26.3	--	--	--
Percent passing 8.0-micron	D422	--	--	--	100	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.7	--	99.8	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	83.7	--	91.3	--	--	--
Sand	D422	--	--	--	55.8	--	73.8	--	--	--
Silt	D422	--	--	--	44.2	--	26.3	--	--	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.037)	ND (0.036)	ND (0.032)	--	ND (0.033)	ND (0.042)	ND (0.062)	ND (0.079)	ND (0.059)
Aroclor 1221	SW8082A	ND (0.037)	ND (0.036)	ND (0.032)	--	ND (0.033)	ND (0.042)	ND (0.062)	ND (0.079)	ND (0.059)
Aroclor 1232	SW8082A	ND (0.037)	ND (0.036)	ND (0.032)	--	ND (0.033)	ND (0.042)	ND (0.062)	ND (0.079)	ND (0.059)
Aroclor 1242	SW8082A	ND (0.037)	ND (0.036)	ND (0.032)	--	ND (0.033)	ND (0.042)	ND (0.062)	ND (0.079)	ND (0.059)
Aroclor 1248	SW8082A	ND (0.037)	ND (0.036)	ND (0.032)	--	ND (0.033)	ND (0.042)	ND (0.062)	ND (0.079)	ND (0.059)
Aroclor 1254	SW8082A	ND (0.037)	ND (0.036)	ND (0.032)	--	ND (0.033)	ND (0.042)	ND (0.062)	ND (0.079)	ND (0.059)
Aroclor 1260	SW8082A	ND (0.037)	1.97	4.93	--	1.66	1.62	2.8	3.17	0.227
Total PCB Aroclors (ND = 0 max limit)		ND (0.031)	1.97	4.93	--	1.66	1.62	2.8	3.17	0.227

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-C-D-4-5-230818-03-04 8/18/2023 3–4 ft	SE-C-D-6-230818-00-01 8/18/2023 0–1 ft	SE-C-D-6-230818-01-02 8/18/2023 1–2 ft	SE-C-D-6-230818-02-03 8/18/2023 2–3 ft	SE-C-D-8-9-230820-00-01 8/20/2023 0–1 ft	SE-C-D-8-9-230820-01-02 8/20/2023 1–2 ft	SE-C-D-8-9-230820-02-03 8/20/2023 2–3 ft	SE-D-7-8-230820-00-01 8/20/2023 0–1 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	Non-plastic	--	--	Non-plastic	--	--	Non-plastic	--
Plasticity index	D4318	Non-plastic	--	--	Non-plastic	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	Non-plastic	--	--	Non-plastic	--	--	Non-plastic	--
Liquidity Index	D4318	Non-plastic	--	--	Non-plastic	--	--	Non-plastic	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	38.8	--	--	146	--	--	184	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	--	47.6	38.8	--	26.3	37.8	--	23.8
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	0	--	--	0	--	--	0	--
Percent passing (hydrometer 1)	D422	14	--	--	38	--	--	33	--
Percent passing (hydrometer 2)	D422	2.7	--	--	6.5	--	--	2.9	--
Percent passing (hydrometer 3)	D422	0.9	--	--	2.8	--	--	0.95	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	100	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	100	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	100	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	27.1	--	--	56.5	--	--	68.3	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	100	--	--	100	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	100	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	100	--	--	100	--
Percent passing 50-micron sieve	D422	70.4	--	--	73	--	--	77.1	--
Percent passing 75-micron sieve (No. 200)	D422	16.2	--	--	43	--	--	57.6	--
Percent passing 8.0-micron	D422	100	--	--	100	--	--	100	--
Percent retained 16,000-micron sieve	D422	100	--	--	97.6	--	--	99.7	--
Percent retained 30-micron sieve	D422	97.8	--	--	80.9	--	--	90.9	--
Sand	D422	83.8	--	--	57.1	--	--	42.4	--
Silt	D422	16.2	--	--	43	--	--	57.6	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	--	ND (0.041)	ND (0.051)	--	ND (0.075)	ND (0.050)	--	ND (0.079)
Aroclor 1221	SW8082A	--	ND (0.041)	ND (0.051)	--	ND (0.075)	ND (0.050)	--	ND (0.079)
Aroclor 1232	SW8082A	--	ND (0.041)	ND (0.051)	--	ND (0.075)	ND (0.050)	--	ND (0.079)
Aroclor 1242	SW8082A	--	ND (0.041)	ND (0.051)	--	ND (0.075)	ND (0.050)	--	ND (0.079)
Aroclor 1248	SW8082A	--	ND (0.041)	ND (0.051)	--	ND (0.075)	ND (0.050)	--	ND (0.079)
Aroclor 1254	SW8082A	--	ND (0.041)	ND (0.051)	--	ND (0.075)	ND (0.050)	--	ND (0.079)
Aroclor 1260	SW8082A	--	0.996	21.4	--	5.25	5.87	--	3.84
Total PCB Aroclors (ND = 0 max limit)		--	0.996	21.4	--	5.25	5.87	--	3.84

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-D-7-8-230820-01-02 8/20/2023 1–2 ft	SE-D-7-8-230820-02-03 8/20/2023 2–3 ft	SE-D-7-8-BD0001 8/20/2023 0–1 ft	SE-D-E-4-5-230817-00-01 8/17/2023 0–1 ft	SE-D-E-4-5-230817-01-02 8/17/2023 1–2 ft	SE-D-E-5-6-230820-00-01 8/20/2023 0–1 ft	SE-D-E-5-6-230820-01-02 8/20/2023 1–2 ft	SE-D-E-6-7-230820-00-01 8/20/2023 0–1 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	1.7	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	--	--	Non-plastic	--
Plasticity index	D4318	--	Non-plastic	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	2	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	26	--	--	--	--	153	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	51.3	--	23.6	44.2	45.2	40.3	51.4	47.1
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	75	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	18	--	--	--	--	31	--
Percent passing (hydrometer 2)	D422	--	6.1	--	--	--	--	4.7	--
Percent passing (hydrometer 3)	D422	--	2.6	--	--	--	--	0.94	--
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	--	61.1	--	--	--	--	53.7	--
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	--	73.8	--	--	--	--	70.4	--
Percent passing 75-micron sieve (No. 200)	D422	--	50.5	--	--	--	--	42.9	--
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	--	89.2	--	--	--	--	89	--
Sand	D422	--	49.5	--	--	--	--	57.2	--
Silt	D422	--	50.5	--	--	--	--	42.9	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.037)	--	ND (0.083)	ND (0.041)	ND (0.043)	ND (0.046)	ND (0.035)	ND (0.041)
Aroclor 1221	SW8082A	ND (0.037)	--	ND (0.083)	ND (0.041)	ND (0.043)	ND (0.046)	ND (0.035)	ND (0.041)
Aroclor 1232	SW8082A	ND (0.037)	--	ND (0.083)	ND (0.041)	ND (0.043)	ND (0.046)	ND (0.035)	ND (0.041)
Aroclor 1242	SW8082A	ND (0.037)	--	ND (0.083)	ND (0.041)	ND (0.043)	ND (0.046)	ND (0.035)	ND (0.041)
Aroclor 1248	SW8082A	ND (0.037)	--	ND (0.083)	ND (0.041)	ND (0.043)	ND (0.046)	ND (0.035)	ND (0.041)
Aroclor 1254	SW8082A	ND (0.037)	--	ND (0.083)	ND (0.041)	ND (0.043)	ND (0.046)	ND (0.035)	ND (0.041)
Aroclor 1260	SW8082A	0.798	--	2.88	ND (0.041)	4.56	7.35	0.21	0.552
Total PCB Aroclors (ND = 0 max limit)		0.798	--	2.88	ND (0.034)	4.56	7.35	0.21	0.552

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-D-E-6-7-230820-01-02 8/20/2023 1–2 ft	SE-E-7-230821-00-01 8/21/2023 0–1 ft	SE-E-7-230821-01-02 8/21/2023 1–2 ft	SE-E-8-9-230821-00-01 8/21/2023 0–1 ft	SE-E-8-9-230821-01-02 8/21/2023 1–2 ft	SE-E-8-9-BD0001 8/21/2023 1–2 ft	SE-E-F-2-3-230823-00-01 8/23/2023 0–1 ft	SE-E-F-2-3-230823-01-02 8/23/2023 1–2 ft	SE-E-F-2-3-230823-02-03 8/23/2023 2–3 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	27.6	--
Conventional Parameters (unitless)										
Plastic limit	D4318	30	64	--	--	--	--	--	Non-plastic	--
Plasticity index	D4318	5	7.6	--	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	1.3	--
Liquid limit	D4318	35	71.6	--	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	3.5	12.8	--	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	66.5	176	--	--	--	--	--	224	--
Total solids	SM2540D	--	--	--	--	--	--	--	--	--
Total solids	SM2540E	71.9	33.1	56.3	27.1	32.1	33.2	22.7	35.2	56.7
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	23	--
Grain Size (pct)										
Gravel	D422	0	0	--	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	50	35	--	--	--	--	--	45	--
Percent passing (hydrometer 2)	D422	6.1	6.6	--	--	--	--	--	11	--
Percent passing (hydrometer 3)	D422	2.6	2.8	--	--	--	--	--	7	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	100	--	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	77.5	57.3	--	--	--	--	--	61.4	--
Percent passing 2000-micron sieve (No. 10)	D422	100	100	--	--	--	--	--	100	--
Percent passing 3 inch (3-inch sieve)	D422	100	100	--	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	100	100	--	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	84.6	73.6	--	--	--	--	--	81	--
Percent passing 75-micron sieve (No. 200)	D422	72.2	49.2	--	--	--	--	--	53.3	--
Percent passing 8.0-micron	D422	100	100	--	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	99.9	99.6	--	--	--	--	--	96	--
Percent retained 30-micron sieve	D422	93	88.2	--	--	--	--	--	86.8	--
Sand	D422	27.8	53	--	--	--	--	--	46.7	--
Silt	D422	72.2	49.2	--	--	--	--	--	53.3	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.026)	ND (0.060)	ND (0.034)	ND (0.070)	ND (0.059)	ND (0.057)	ND (0.088)	ND (0.055)	ND (0.034)
Aroclor 1221	SW8082A	ND (0.026)	ND (0.060)	ND (0.034)	ND (0.070)	ND (0.059)	ND (0.057)	ND (0.088)	ND (0.055)	ND (0.034)
Aroclor 1232	SW8082A	ND (0.026)	ND (0.060)	ND (0.034)	ND (0.070)	ND (0.059)	ND (0.057)	ND (0.088)	ND (0.055)	ND (0.034)
Aroclor 1242	SW8082A	ND (0.026)	ND (0.060)	ND (0.034)	ND (0.070)	ND (0.059)	ND (0.057)	ND (0.088)	ND (0.055)	ND (0.034)
Aroclor 1248	SW8082A	ND (0.026)	ND (0.060)	ND (0.034)	ND (0.070)	ND (0.059)	ND (0.057)	ND (0.088)	ND (0.055)	ND (0.034)
Aroclor 1254	SW8082A	ND (0.026)	ND (0.060)	ND (0.034)	ND (0.070)	ND (0.059)	ND (0.057)	ND (0.088)	ND (0.055)	ND (0.034)
Aroclor 1260	SW8082A	0.0096 J	10.9	2.89	3.1	15 J	50.6 J	6.81	0.262	0.0507
Total PCB Aroclors (ND = 0 max limit)		0.0096 J	10.9	2.89	3.1	15 J	50.6 J	6.81	0.262	0.0507

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-F-2-3-230823-03-04 8/23/2023 3–4 ft	SE-E-F-2-3-230823-04-05 8/23/2023 4–5 ft	SE-E-F-2-3-230823-05-06 8/23/2023 5–6 ft	SE-E-F-3-4-230824-00-01 8/24/2023 0–1 ft	SE-E-F-3-4-230824-01-02 8/24/2023 1–2 ft	SE-E-F-3-4-230824-02-03 8/24/2023 2–3 ft	SE-E-F-3-4-230824-03-04 8/24/2023 3–4 ft	SE-E-F-3-4-230824-04-05 8/24/2023 4–5 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	Non-plastic	--	--	Non-plastic	--	--
Plasticity index	D4318	--	--	Non-plastic	--	--	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	Non-plastic	--	--	Non-plastic	--	--
Liquidity Index	D4318	--	--	Non-plastic	--	--	Non-plastic	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	35.6	--	--	177	--	--
Total solids	SM2540D	--	--	--	28	38.8	27.8	54.4	78.8
Total solids	SM2540E	76.9	71.9	73.5	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	0	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	19	--	--	47	--	--
Percent passing (hydrometer 2)	D422	--	--	6.4	--	--	9.8	--	--
Percent passing (hydrometer 3)	D422	--	--	2.7	--	--	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	--	--	43.4	--	--	59.8	--	--
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	--	--	87.6	--	--	68.1	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	28.6	--	--	50.6	--	--
Percent passing 8.0-micron	D422	--	--	100	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	100	--	--	92.7	--	--
Percent retained 30-micron sieve	D422	--	--	98.5	--	--	77.4	--	--
Sand	D422	--	--	71.4	--	--	49.4	--	--
Silt	D422	--	--	28.6	--	--	50.6	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.067)	ND (0.048)	ND (0.069)	ND (0.035)	ND (0.025)
Aroclor 1221	SW8082A	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.067)	ND (0.048)	ND (0.069)	ND (0.035)	ND (0.025)
Aroclor 1232	SW8082A	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.067)	ND (0.048)	ND (0.069)	ND (0.035)	ND (0.025)
Aroclor 1242	SW8082A	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.067)	ND (0.048)	ND (0.069)	ND (0.035)	ND (0.025)
Aroclor 1248	SW8082A	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.067)	ND (0.048)	ND (0.069)	ND (0.035)	ND (0.025)
Aroclor 1254	SW8082A	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.067)	ND (0.048)	ND (0.069)	ND (0.035)	ND (0.025)
Aroclor 1260	SW8082A	ND (0.025)	ND (0.026)	ND (0.025)	2.84	0.471	0.0564 J	ND (0.035)	ND (0.025)
Total PCB Aroclors (ND = 0 max limit)		ND (0.021)	ND (0.022)	ND (0.021)	2.84	0.471	0.0564 J	ND (0.029)	ND (0.021)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-F-3-4-230824-05-06 8/24/2023 5–6 ft	SE-E-F-3-4-230824-06-6.5 8/24/2023 6–6.5 ft	SE-E-F-4-5-230820-00-01 8/20/2023 0–1 ft	SE-E-F-4-5-230820-01-02 8/20/2023 1–2 ft	SE-E-F-4-5-230820-02-03 8/20/2023 2–3 ft	SE-E-F-4-5-230820-03-04 8/20/2023 3–4 ft	SE-E-F-4-5-230820-04-05 8/20/2023 4–5 ft	SE-E-F-4-5-230820-05-06 8/20/2023 5–6 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	Non-plastic	--	--	--
Plasticity index	D4318	--	--	--	--	Non-plastic	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	Non-plastic	--	--	--
Liquidity Index	D4318	--	--	--	--	Non-plastic	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	47.9	--	--	--
Total solids	SM2540D	80.5	77.5	--	--	--	--	--	--
Total solids	SM2540E	--	--	43.4	62.1	69.6	65.7	48.9	49.9
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	27	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	4.7	--	--	--
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	--	--	--	--	56.5	--	--	--
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	--	--	--	--	71.1	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	47	--	--	--
Percent passing 8.0-micron	D422	--	--	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	97.8	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	86.1	--	--	--
Sand	D422	--	--	--	--	53	--	--	--
Silt	D422	--	--	--	--	47	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.024)	ND (0.025)	ND (0.043)	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.038)	ND (0.039)
Aroclor 1221	SW8082A	ND (0.024)	ND (0.025)	ND (0.043)	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.038)	ND (0.039)
Aroclor 1232	SW8082A	ND (0.024)	ND (0.025)	ND (0.043)	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.038)	ND (0.039)
Aroclor 1242	SW8082A	ND (0.024)	ND (0.025)	ND (0.043)	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.038)	ND (0.039)
Aroclor 1248	SW8082A	ND (0.024)	ND (0.025)	ND (0.043)	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.038)	ND (0.039)
Aroclor 1254	SW8082A	ND (0.024)	ND (0.025)	ND (0.043)	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.038)	ND (0.039)
Aroclor 1260	SW8082A	ND (0.024)	ND (0.025)	1.46	0.0763	ND (0.029)	0.0100 J	0.622 J	ND (0.039)
Total PCB Aroclors (ND = 0 max limit)		ND (0.020)	ND (0.021)	1.46	0.0763	ND (0.024)	0.0100 J	0.622 J	ND (0.033)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-E-F-4-5-230820-06-07 8/20/2023 6–7 ft	SE-E-F-4-5-BD0001 8/20/2023 4–5 ft	SE-E-F-5-6-230821-00-01 8/21/2023 0–1 ft	SE-E-F-5-6-230821-01-02 8/21/2023 1–2 ft	SE-E-F-5-6-230821-02-03 8/21/2023 2–3 ft	SE-E-F-5-6-230821-03-04 8/21/2023 3–4 ft	SE-E-F-5-6-230821-04-05 8/21/2023 4–5 ft	SE-E-F-6-7-230821-00-01 8/21/2023 0–1 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	14	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	Non-plastic	--	--	--	--	Non-plastic	--	--
Plasticity index	D4318	Non-plastic	--	--	--	--	Non-plastic	--	--
Specific gravity	D1429	1.4	--	--	--	--	--	--	--
Liquid limit	D4318	Non-plastic	--	--	--	--	Non-plastic	--	--
Liquidity Index	D4318	Non-plastic	--	--	--	--	Non-plastic	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	140	--	--	--	--	88.4	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	--	48.8	34.1	62.4	65.8	57.2	42.4	45.9
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	28	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	0	--	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	63	--	--	--	--	54	--	--
Percent passing (hydrometer 2)	D422	7.2	--	--	--	--	17	--	--
Percent passing (hydrometer 3)	D422	3.1	--	--	--	--	11	--	--
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	76.8	--	--	--	--	79.8	--	--
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	84.1	--	--	--	--	86.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	68.1	--	--	--	--	71.3	--	--
Percent passing 8.0-micron	D422	100	--	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	99.9	--	--	--	--	97.7	--	--
Percent retained 30-micron sieve	D422	93.3	--	--	--	--	90.6	--	--
Sand	D422	31.9	--	--	--	--	28.7	--	--
Silt	D422	68.1	--	--	--	--	71.3	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	--	ND (0.039)	ND (0.054)	ND (0.031)	ND (0.030)	ND (0.035)	ND (0.045)	ND (0.043)
Aroclor 1221	SW8082A	--	ND (0.039)	ND (0.054)	ND (0.031)	ND (0.030)	ND (0.035)	ND (0.045)	ND (0.043)
Aroclor 1232	SW8082A	--	ND (0.039)	ND (0.054)	ND (0.031)	ND (0.030)	ND (0.035)	ND (0.045)	ND (0.043)
Aroclor 1242	SW8082A	--	ND (0.039)	ND (0.054)	ND (0.031)	ND (0.030)	ND (0.035)	ND (0.045)	ND (0.043)
Aroclor 1248	SW8082A	--	ND (0.039)	ND (0.054)	ND (0.031)	ND (0.030)	ND (0.035)	ND (0.045)	ND (0.043)
Aroclor 1254	SW8082A	--	ND (0.039)	ND (0.054)	ND (0.031)	ND (0.030)	ND (0.035)	ND (0.045)	ND (0.043)
Aroclor 1260	SW8082A	--	ND (0.039)	4.39	0.643	0.0789	ND (0.035)	ND (0.045)	8.24
Total PCB Aroclors (ND = 0 max limit)		--	ND (0.032)	4.39	0.643	0.0789	ND (0.029)	ND (0.038)	8.24

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-F-6-7-230821-01-02 8/21/2023 1–2 ft	SE-E-F-6-7-230821-02-03 8/21/2023 2–3 ft	SE-E-F-6-7-230821-03-04 8/21/2023 3–4 ft	SE-E-F-6-7-230821-04-05 8/21/2023 4–5 ft	SE-E-F-6-7-230821-05-06 8/21/2023 5–6 ft	SE-E-F-6-7-230821-06-07 8/21/2023 6–7 ft	SE-E-F-6-7-230821-07-08 8/21/2023 7–8 ft	SE-E-F-6-7-230821-08-09 8/21/2023 8–9 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Plasticity index	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	32	--	--	--	--	--	32.2
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	75.8	76.6	78.5	79.3	72.5	72	73.5	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	26	--	--	--	--	--	11
Percent passing (hydrometer 2)	D422	--	6.6	--	--	--	--	--	2.9
Percent passing (hydrometer 3)	D422	--	2.8	--	--	--	--	--	0.97
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	--	--	--	--	--	55.3
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	--	97.3	--	--	--	--	--	74
Percent passing 75-micron sieve (No. 200)	D422	--	33.6	--	--	--	--	--	41.4
Percent passing 8.0-micron	D422	--	100	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	100	--	--	--	--	--	99.8
Percent retained 30-micron sieve	D422	--	99.8	--	--	--	--	--	89.7
Sand	D422	--	66.4	--	--	--	--	--	58.6
Silt	D422	--	33.6	--	--	--	--	--	41.4
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.025)	ND (0.023)	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.025)	--
Aroclor 1221	SW8082A	ND (0.025)	ND (0.023)	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.025)	--
Aroclor 1232	SW8082A	ND (0.025)	ND (0.023)	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.025)	--
Aroclor 1242	SW8082A	ND (0.025)	ND (0.023)	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.025)	--
Aroclor 1248	SW8082A	ND (0.025)	ND (0.023)	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.025)	--
Aroclor 1254	SW8082A	ND (0.025)	ND (0.023)	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.025)	--
Aroclor 1260	SW8082A	0.213	0.376	0.0825	ND (0.025)	ND (0.026)	ND (0.028)	ND (0.025)	--
Total PCB Aroclors (ND = 0 max limit)		0.213	0.376	0.0825	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.021)	--

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-E-F-7-8-230821-00-01 8/21/2023 0–1 ft	SE-E-F-7-8-230821-01-02 8/21/2023 1–2 ft	SE-E-F-7-8-230821-02-03 8/21/2023 2–3 ft	SE-E-F-7-8-230821-03-04 8/21/2023 3–4 ft	SE-E-F-7-8-230821-04-05 8/21/2023 4–5 ft	SE-E-F-7-8-230821-05-06 8/21/2023 5–6 ft	SE-E-F-7-8-230821-06-07 8/21/2023 6–7 ft	SE-E-F-8-230822-00-01 8/22/2023 0–1 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	17.6	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Plasticity index	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Specific gravity	D1429	--	1.3	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	152	--	--	--	--	--	194
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	29.6	36.9	37.5	39.9	61.9	67.6	63.8	28.9
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	28	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	36	--	--	--	--	--	42
Percent passing (hydrometer 2)	D422	--	9.2	--	--	--	--	--	10
Percent passing (hydrometer 3)	D422	--	5.1	--	--	--	--	--	4.7
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	--	57	--	--	--	--	--	58.2
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	--	83.6	--	--	--	--	--	89.3
Percent passing 75-micron sieve (No. 200)	D422	--	42.2	--	--	--	--	--	51
Percent passing 8.0-micron	D422	--	100	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	99.8	--	--	--	--	--	100
Percent retained 30-micron sieve	D422	--	90.1	--	--	--	--	--	98.1
Sand	D422	--	57.8	--	--	--	--	--	49
Silt	D422	--	42.2	--	--	--	--	--	51
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.064)	ND (0.050)	ND (0.051)	ND (0.045)	ND (0.029)	ND (0.028)	ND (0.031)	ND (0.067)
Aroclor 1221	SW8082A	ND (0.064)	ND (0.050)	ND (0.051)	ND (0.045)	ND (0.029)	ND (0.028)	ND (0.031)	ND (0.067)
Aroclor 1232	SW8082A	ND (0.064)	ND (0.050)	ND (0.051)	ND (0.045)	ND (0.029)	ND (0.028)	ND (0.031)	ND (0.067)
Aroclor 1242	SW8082A	ND (0.064)	ND (0.050)	ND (0.051)	ND (0.045)	ND (0.029)	ND (0.028)	ND (0.031)	ND (0.067)
Aroclor 1248	SW8082A	ND (0.064)	ND (0.050)	ND (0.051)	ND (0.045)	ND (0.029)	ND (0.028)	ND (0.031)	ND (0.067)
Aroclor 1254	SW8082A	ND (0.064)	ND (0.050)	ND (0.051)	ND (0.045)	ND (0.029)	ND (0.028)	ND (0.031)	ND (0.067)
Aroclor 1260	SW8082A	2.84	24.9	62.8	4.53	0.356	0.123	0.897	22.5
Total PCB Aroclors (ND = 0 max limit)		2.84	24.9	62.8	4.53	0.356	0.123	0.897	22.5

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-E-F-8-230822-01-02 8/22/2023 1–2 ft	SE-E-F-8-230822-02-03 8/22/2023 2–3 ft	SE-E-F-8-230822-03-04 8/22/2023 3–4 ft	SE-E-F-8-230822-04-05 8/22/2023 4–5 ft	SE-E-F-8-230822-05-06 8/22/2023 5–6 ft	SE-E-F-8-230822-06-07 8/22/2023 6–7 ft	SE-E-F-8-230822-07-08 8/22/2023 7–8 ft	SE-E-F-8-230822-08-09 8/22/2023 8–9 ft	SE-E-F-9-10-230822-00-01 8/22/2023 0–1 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	--	--	--	--	Non-plastic	--
Plasticity index	D4318	--	--	--	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	--	--	--	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	--	--	--	--	41.6	--
Total solids	SM2540D	--	--	--	--	--	--	--	--	--
Total solids	SM2540E	33.7	74.7	76	74.4	73.1	75.7	71.3	--	25
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--	--	19.3	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--	--	16.2	--
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	--	--	--	--	--	--	--	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	--	--	--	--	--	--	--	77	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--	--	28	--
Percent passing 8.0-micron	D422	--	--	--	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--	--	100	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--	--	98.5	--
Sand	D422	--	--	--	--	--	--	--	72	--
Silt	D422	--	--	--	--	--	--	--	28	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.056)	ND (0.026)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.022)	ND (0.026)	--	ND (0.080)
Aroclor 1221	SW8082A	ND (0.056)	ND (0.026)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.022)	ND (0.026)	--	ND (0.080)
Aroclor 1232	SW8082A	ND (0.056)	ND (0.026)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.022)	ND (0.026)	--	ND (0.080)
Aroclor 1242	SW8082A	ND (0.056)	ND (0.026)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.022)	ND (0.026)	--	ND (0.080)
Aroclor 1248	SW8082A	ND (0.056)	ND (0.026)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.022)	ND (0.026)	--	ND (0.080)
Aroclor 1254	SW8082A	ND (0.056)	ND (0.026)	ND (0.023)	ND (0.027)	ND (0.025)	ND (0.022)	ND (0.026)	--	ND (0.080)
Aroclor 1260	SW8082A	0.224	0.126	0.0418	0.0155 J	0.0093 J	ND (0.022)	ND (0.026)	--	9.84
Total PCB Aroclors (ND = 0 max limit)		0.224	0.126	0.0418	0.0155 J	0.0093 J	ND (0.019)	ND (0.021)	--	9.84

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-E-F-9-10-230822-01-02 8/22/2023 1–2 ft	SE-E-F-9-10-230822-02-03 8/22/2023 2–3 ft	SE-E-F-9-10-230822-03-04 8/22/2023 3–4 ft	SE-E-F-9-10-230822-04-05 8/22/2023 4–5 ft	SE-E-F-9-10-230822-05-06 8/22/2023 5–6 ft	SE-E-F-9-10-230822-06-07 8/22/2023 6–7 ft	SE-E-F-9-10-BD0001 8/22/2023 1–2 ft	SE-F-2-230824-00-01 8/24/2023 0–1 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	3.7	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--
Plasticity index	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	1.9	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--
Liquidity Index	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	45.7	--	--	--	32.3	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	32.5
Total solids	SM2540E	44.9	67.2	62.4	74	72.6	77.6	40.6	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	69	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	32	--	--	--	10	--	--
Percent passing (hydrometer 2)	D422	--	11	--	--	--	4.6	--	--
Percent passing (hydrometer 3)	D422	--	6.8	--	--	--	0.92	--	--
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	--	76.6	--	--	--	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	--	97.6	--	--	--	62.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	54.5	--	--	--	17.5	--	--
Percent passing 8.0-micron	D422	--	100	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	99.9	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	98.9	--	--	--	85	--	--
Sand	D422	--	45.5	--	--	--	82.5	--	--
Silt	D422	--	54.5	--	--	--	17.5	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.045)	ND (0.026)	ND (0.030)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.044)	ND (0.053)
Aroclor 1221	SW8082A	ND (0.045)	ND (0.026)	ND (0.030)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.044)	ND (0.053)
Aroclor 1232	SW8082A	ND (0.045)	ND (0.026)	ND (0.030)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.044)	ND (0.053)
Aroclor 1242	SW8082A	ND (0.045)	ND (0.026)	ND (0.030)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.044)	ND (0.053)
Aroclor 1248	SW8082A	ND (0.045)	ND (0.026)	ND (0.030)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.044)	ND (0.053)
Aroclor 1254	SW8082A	ND (0.045)	ND (0.026)	ND (0.030)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.044)	ND (0.053)
Aroclor 1260	SW8082A	0.413	0.119	0.0384	ND (0.025)	ND (0.025)	ND (0.024)	0.25	0.0743
Total PCB Aroclors (ND = 0 max limit)		0.413	0.119	0.0384	ND (0.020)	ND (0.020)	ND (0.020)	0.25	0.0743

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-F-2-230824-01-02 8/24/2023 1–2 ft	SE-F-2-230824-02-03 8/24/2023 2–3 ft	SE-F-2-230824-03-04 8/24/2023 3–4 ft	SE-F-2-230824-04-05 8/24/2023 4–5 ft	SE-F-2-230824-05-06 8/24/2023 5–6 ft	SE-F-2-230824-06-07 8/24/2023 6–7 ft	SE-F-2-BD0001 8/24/2023 3–4 ft	SE-F-3-230822-00-01 8/22/2023 0–1 ft	SE-F-3-230822-01-02 8/22/2023 1–2 ft	SE-F-3-230822-02-03 8/22/2023 2–3 ft
Chemical											
Conventional Parameters (percent)											
Organic Content	D2974	--	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)											
Plastic limit	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--	Non-plastic	--
Plasticity index	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--	Non-plastic	--
Liquidity Index	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--	Non-plastic	--
Conventional Parameters (percent)											
Moisture (water) content	D2216	--	25.3	--	--	--	21.2	--	--	233	--
Total solids	SM2540D	73.3	79.9	79.3	81.5	82.4	--	80.9	--	--	--
Total solids	SM2540E	--	--	--	--	--	--	--	30.3	31	35.8
Total solids	SM2540G	--	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)											
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--	--
Grain Size (pct)											
Gravel	D422	--	0	--	--	--	0	--	--	0	--
Percent passing (hydrometer 1)	D422	--	19	--	--	--	17	--	--	40	--
Percent passing (hydrometer 2)	D422	--	5.1	--	--	--	15.2	--	--	13	--
Percent passing (hydrometer 3)	D422	--	1	--	--	--	0.81	--	--	8	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	100	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	100	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	100	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	97.1	--	--	--	99	--	--	56.5	--
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	100	--	--	100	--
Percent passing 3 inch (3-inch sieve)	D422	--	100	--	--	--	100	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	100	--	--	100	--
Percent passing 50-micron sieve	D422	--	99.1	--	--	--	99.9	--	--	74.7	--
Percent passing 75-micron sieve (No. 200)	D422	--	53.3	--	--	--	57.6	--	--	47.7	--
Percent passing 8.0-micron	D422	--	100	--	--	--	100	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	100	--	--	--	99.9	--	--	99.8	--
Percent retained 30-micron sieve	D422	--	99.3	--	--	--	99.9	--	--	91	--
Sand	D422	--	46.7	--	--	--	42.4	--	--	52.3	--
Silt	D422	--	53.3	--	--	--	57.6	--	--	47.7	--
PCB Aroclors (mg/kg)											
Aroclor 1016	SW8082A	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	--	ND (0.022)	ND (0.061)	ND (0.062)	ND (0.055)
Aroclor 1221	SW8082A	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	--	ND (0.022)	ND (0.061)	ND (0.062)	ND (0.055)
Aroclor 1232	SW8082A	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	--	ND (0.022)	ND (0.061)	ND (0.062)	ND (0.055)
Aroclor 1242	SW8082A	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	--	ND (0.022)	ND (0.061)	ND (0.062)	ND (0.055)
Aroclor 1248	SW8082A	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	--	ND (0.022)	ND (0.061)	ND (0.062)	ND (0.055)
Aroclor 1254	SW8082A	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	--	ND (0.022)	ND (0.061)	ND (0.062)	ND (0.055)
Aroclor 1260	SW8082A	0.0128 J	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	--	ND (0.022)	3.68	8.55	0.304
Total PCB Aroclors (ND = 0 max limit)		0.0128 J	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)	--	ND (0.018)	3.68	8.55	0.304

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-F-3-230822-03-04 8/22/2023 3–4 ft	SE-F-3-230822-04-05 8/22/2023 4–5 ft	SE-F-3-230822-05-06 8/22/2023 5–6 ft	SE-F-3-230822-06-07 8/22/2023 6–7 ft	SE-F-6-230824-00-01 8/24/2023 0–1 ft	SE-F-6-230824-01-02 8/24/2023 1–2 ft	SE-F-6-230824-02-03 8/24/2023 2–3 ft	SE-F-6-230824-03-04 8/24/2023 3–4 ft	SE-F-6-230824-04-05 8/24/2023 4–5 ft	SE-F-6-230824-05-06 8/24/2023 5–6 ft
Chemical											
Conventional Parameters (percent)											
Organic Content	D2974	--	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)											
Plastic limit	D4318	--	Non-plastic	--	--	--	--	--	--	Non-plastic	--
Plasticity index	D4318	--	Non-plastic	--	--	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)											
Moisture (water) content	D2216	--	124	--	--	--	--	--	--	36.3	--
Total solids	SM2540D	--	--	--	--	32.6	51.5	42	67.1	63.1	62.8
Total solids	SM2540E	59.5	42.5	50.6	55.7	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)											
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--	--
Grain Size (pct)											
Gravel	D422	--	0	--	--	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	61	--	--	--	--	--	--	23	--
Percent passing (hydrometer 2)	D422	--	11	--	--	--	--	--	--	4.6	--
Percent passing (hydrometer 3)	D422	--	7	--	--	--	--	--	--	0.91	--
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	--	85.6	--	--	--	--	--	--	63.5	--
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	--	88.9	--	--	--	--	--	--	85.4	--
Percent passing 75-micron sieve (No. 200)	D422	--	75.6	--	--	--	--	--	--	48.8	--
Percent passing 8.0-micron	D422	--	100	--	--	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	99.6	--	--	--	--	--	--	99.8	--
Percent retained 30-micron sieve	D422	--	92.8	--	--	--	--	--	--	93.1	--
Sand	D422	--	24.4	--	--	--	--	--	--	51.2	--
Silt	D422	--	75.6	--	--	--	--	--	--	48.8	--
PCB Aroclors (mg/kg)											
Aroclor 1016	SW8082A	ND (0.031)	ND (0.043)	ND (0.037)	ND (0.032)	ND (0.060)	ND (0.035)	ND (0.042)	ND (0.028)	ND (0.031)	ND (0.028)
Aroclor 1221	SW8082A	ND (0.031)	ND (0.043)	ND (0.037)	ND (0.032)	ND (0.060)	ND (0.035)	ND (0.042)	ND (0.028)	ND (0.031)	ND (0.028)
Aroclor 1232	SW8082A	ND (0.031)	ND (0.043)	ND (0.037)	ND (0.032)	ND (0.060)	ND (0.035)	ND (0.042)	ND (0.028)	ND (0.031)	ND (0.028)
Aroclor 1242	SW8082A	ND (0.031)	ND (0.043)	ND (0.037)	ND (0.032)	ND (0.060)	ND (0.035)	ND (0.042)	ND (0.028)	ND (0.031)	ND (0.028)
Aroclor 1248	SW8082A	ND (0.031)	ND (0.043)	ND (0.037)	ND (0.032)	ND (0.060)	ND (0.035)	ND (0.042)	ND (0.028)	ND (0.031)	ND (0.028)
Aroclor 1254	SW8082A	ND (0.031)	ND (0.043)	ND (0.037)	ND (0.032)	ND (0.060)	ND (0.035)	ND (0.042)	ND (0.028)	ND (0.031)	ND (0.028)
Aroclor 1260	SW8082A	0.119	ND (0.043)	ND (0.037)	ND (0.032)	0.225	ND (0.035)	0.0151 J	ND (0.028)	ND (0.031)	ND (0.028)
Total PCB Aroclors (ND = 0 max limit)		0.119	ND (0.036)	ND (0.031)	ND (0.027)	0.225	ND (0.029)	0.0151 J	ND (0.023)	ND (0.026)	ND (0.023)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-F-6-230824-06-07 8/24/2023 6–7 ft	SE-F-9-230824-00-01 8/24/2023 0–1 ft	SE-F-9-230824-01-02 8/24/2023 1–2 ft	SE-F-9-230824-02-03 8/24/2023 2–3 ft	SE-F-9-230824-03-04 8/24/2023 3–4 ft	SE-F-9-230824-04-05 8/24/2023 4–5 ft	SE-F-9-230824-05-06 8/24/2023 5–6 ft	SE-F-9-230824-06-6.5 8/24/2023 6–6.5 ft	SE-F-G-1-230824-00-01 8/24/2023 0–1 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	--	--	--	--	--	--
Plasticity index	D4318	--	--	--	--	--	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	--	--	--	--
Liquidity Index	D4318	--	--	--	--	--	--	--	--	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	--	--	--	--	--	--
Total solids	SM2540D	59.8	16.8	30.4	19.6	18.3	15.9	14.7	14.2	21.1
Total solids	SM2540E	--	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--	--	--	--
Percent passing 8.0-micron	D422	--	--	--	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--	--	--	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.033)	ND (0.11)	ND (0.061)	ND (0.098)	ND (0.096)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.091)
Aroclor 1221	SW8082A	ND (0.033)	ND (0.11)	ND (0.061)	ND (0.098)	ND (0.096)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.091)
Aroclor 1232	SW8082A	ND (0.033)	ND (0.11)	ND (0.061)	ND (0.098)	ND (0.096)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.091)
Aroclor 1242	SW8082A	ND (0.033)	ND (0.11)	ND (0.061)	ND (0.098)	ND (0.096)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.091)
Aroclor 1248	SW8082A	ND (0.033)	ND (0.11)	ND (0.061)	ND (0.098)	ND (0.096)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.091)
Aroclor 1254	SW8082A	ND (0.033)	ND (0.11)	ND (0.061)	ND (0.098)	ND (0.096)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.091)
Aroclor 1260	SW8082A	ND (0.033)	0.391	0.0252 J	ND (0.098)	ND (0.096)	ND (0.12)	ND (0.14)	ND (0.14)	0.451
Total PCB Aroclors (ND = 0 max limit)		ND (0.027)	0.391	0.0252 J	ND (0.081)	ND (0.080)	ND (0.10)	ND (0.11)	ND (0.11)	0.451

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-F-G-1-230824-01-02 8/24/2023 1–2 ft	SE-F-G-1-230824-02-03 8/24/2023 2–3 ft	SE-F-G-1-230824-03-04 8/24/2023 3–4 ft	SE-F-G-1-230824-04-05 8/24/2023 4–5 ft	SE-F-G-1-230824-05-06 8/24/2023 5–6 ft	SE-F-G-1-BD0001 8/24/2023 2–3 ft	SE-F-G-2-3-230824-00-01 8/24/2023 0–1 ft	SE-F-G-2-3-230824-01-02 8/24/2023 1–2 ft	SE-F-G-2-3-230824-02-03 8/24/2023 2–3 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	Non-plastic	--	--	--	Non-plastic	--	Non-plastic	--	--
Plasticity index	D4318	Non-plastic	--	--	--	Non-plastic	--	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	Non-plastic	--	--	--	Non-plastic	--	Non-plastic	--	--
Liquidity Index	D4318	Non-plastic	--	--	--	Non-plastic	--	Non-plastic	--	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	169	--	--	--	66.6	--	273	--	--
Total solids	SM2540D	39.7	32.3	58.3	58.8	64	35.1	27.9	29.3	32.3
Total solids	SM2540E	--	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	0	--	--	--	0	--	0	--	--
Percent passing (hydrometer 1)	D422	33	--	--	--	45	--	36	--	--
Percent passing (hydrometer 2)	D422	6.9	--	--	--	7	--	7.1	--	--
Percent passing (hydrometer 3)	D422	3	--	--	--	3	--	3.1	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	100	--	100	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	100	--	100	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	100	--	100	--	--
Percent passing 150-micron sieve (No. 100)	D422	68.7	--	--	--	60.1	--	58.6	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	100	--	100	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--	100	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	100	--	100	--	--
Percent passing 50-micron sieve	D422	85.3	--	--	--	79.9	--	75.1	--	--
Percent passing 75-micron sieve (No. 200)	D422	53.4	--	--	--	48.1	--	49.4	--	--
Percent passing 8.0-micron	D422	100	--	--	--	100	--	100	--	--
Percent retained 16,000-micron sieve	D422	99.7	--	--	--	99.6	--	98.2	--	--
Percent retained 30-micron sieve	D422	94	--	--	--	91.6	--	88.9	--	--
Sand	D422	46.6	--	--	--	51.9	--	50.6	--	--
Silt	D422	53.4	--	--	--	48.1	--	49.4	--	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.048)	ND (0.060)	ND (0.034)	ND (0.031)	ND (0.028)	ND (0.057)	ND (0.063)	ND (0.067)	ND (0.053)
Aroclor 1221	SW8082A	ND (0.048)	ND (0.060)	ND (0.034)	ND (0.031)	ND (0.028)	ND (0.057)	ND (0.063)	ND (0.067)	ND (0.053)
Aroclor 1232	SW8082A	ND (0.048)	ND (0.060)	ND (0.034)	ND (0.031)	ND (0.028)	ND (0.057)	ND (0.063)	ND (0.067)	ND (0.053)
Aroclor 1242	SW8082A	ND (0.048)	ND (0.060)	ND (0.034)	ND (0.031)	ND (0.028)	ND (0.057)	ND (0.063)	ND (0.067)	ND (0.053)
Aroclor 1248	SW8082A	ND (0.048)	ND (0.060)	ND (0.034)	ND (0.031)	ND (0.028)	ND (0.057)	ND (0.063)	ND (0.067)	ND (0.053)
Aroclor 1254	SW8082A	ND (0.048)	ND (0.060)	ND (0.034)	ND (0.031)	ND (0.028)	ND (0.057)	ND (0.063)	ND (0.067)	ND (0.053)
Aroclor 1260	SW8082A	0.0303 J	ND (0.060)	ND (0.034)	ND (0.031)	ND (0.028)	ND (0.057)	0.159	1.22	0.178
Total PCB Aroclors (ND = 0 max limit)		0.0303 J	ND (0.05)	ND (0.028)	ND (0.026)	ND (0.023)	ND (0.047)	0.159	1.22	0.178

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-F-G-2-3-230824-03-04 8/24/2023 3–4 ft	SE-F-G-2-3-230824-04-05 8/24/2023 4–5 ft	SE-F-G-2-3-230824-05-06 8/24/2023 5–6 ft	SE-F-G-2-3-230824-06-07 8/24/2023 6–7 ft	SE-F-G-4-5-230822-00-01 8/22/2023 0–1 ft	SE-F-G-4-5-230822-01-02 8/22/2023 1–2 ft	SE-F-G-4-5-230822-02-03 8/22/2023 2–3 ft	SE-F-G-4-5-230822-03-04 8/22/2023 3–4 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	29.2	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	--	--	--	--
Plasticity index	D4318	--	Non-plastic	--	--	--	--	--	--
Specific gravity	D1429	--	1.3	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	--	--	--
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	197	--	--	--	--	--	--
Total solids	SM2540D	28.3	30.3	20.8	24.6	--	--	--	--
Total solids	SM2540E	--	--	--	--	30.2	37.7	70.6	74.7
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	14	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	39	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	5.9	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	1.2	--	--	--	--	--	--
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	--	57.4	--	--	--	--	--	--
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	--	71.1	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	49.8	--	--	--	--	--	--
Percent passing 8.0-micron	D422	--	100	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	96.2	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	84.8	--	--	--	--	--	--
Sand	D422	--	50.2	--	--	--	--	--	--
Silt	D422	--	49.8	--	--	--	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.064)	ND (0.062)	ND (0.089)	ND (0.075)	ND (0.064)	ND (0.047)	ND (0.025)	ND (0.025)
Aroclor 1221	SW8082A	ND (0.064)	ND (0.062)	ND (0.089)	ND (0.075)	ND (0.064)	ND (0.047)	ND (0.025)	ND (0.025)
Aroclor 1232	SW8082A	ND (0.064)	ND (0.062)	ND (0.089)	ND (0.075)	ND (0.064)	ND (0.047)	ND (0.025)	ND (0.025)
Aroclor 1242	SW8082A	ND (0.064)	ND (0.062)	ND (0.089)	ND (0.075)	ND (0.064)	ND (0.047)	ND (0.025)	ND (0.025)
Aroclor 1248	SW8082A	ND (0.064)	ND (0.062)	ND (0.089)	ND (0.075)	ND (0.064)	ND (0.047)	ND (0.025)	ND (0.025)
Aroclor 1254	SW8082A	ND (0.064)	0.0091 J	ND (0.089)	ND (0.075)	ND (0.064)	ND (0.047)	ND (0.025)	ND (0.025)
Aroclor 1260	SW8082A	ND (0.064)	ND (0.062)	ND (0.089)	ND (0.075)	3.26	0.783	0.0277	0.0119 J
Total PCB Aroclors (ND = 0 max limit)		ND (0.053)	0.0091 J	ND (0.074)	ND (0.062)	3.26	0.783	0.0277	0.0119 J

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-F-G-4-5-230822-04-05 8/22/2023 4–5 ft	SE-F-G-4-5-230822-05-06 8/22/2023 5–6 ft	SE-F-G-4-5-230822-06-07 8/22/2023 6–7 ft	SE-F-G-4-5-230822-08-09 8/22/2023 8–9 ft	SE-F-G-5-6-230822-00-01 8/22/2023 0–1 ft	SE-F-G-5-6-230822-01-02 8/22/2023 1–2 ft	SE-F-G-5-6-230822-02-03 8/22/2023 2–3 ft	SE-F-G-5-6-230822-03-04 8/22/2023 3–4 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	Non-plastic	--	--	Non-plastic	--	--	Non-plastic	--
Plasticity index	D4318	Non-plastic	--	--	Non-plastic	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	Non-plastic	--	--	Non-plastic	--	--	Non-plastic	--
Liquidity Index	D4318	Non-plastic	--	--	Non-plastic	--	--	Non-plastic	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	29.7	--	--	33.9	--	--	35.7	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	70.8	65.4	73.5	--	57.8	79.4	79.2	61.2
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	0	--	--	0	--	--	0	--
Percent passing (hydrometer 1)	D422	13	--	--	22	--	--	17	--
Percent passing (hydrometer 2)	D422	4.4	--	--	6.7	--	--	4.4	--
Percent passing (hydrometer 3)	D422	0.87	--	--	2.9	--	--	0.88	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	100	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	100	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	100	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	48.5	--	--	44.7	--	--	48.2	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	100	--	--	100	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	100	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	100	--	--	100	--
Percent passing 50-micron sieve	D422	67.9	--	--	87.2	--	--	68.2	--
Percent passing 75-micron sieve (No. 200)	D422	34.6	--	--	33.7	--	--	36.8	--
Percent passing 8.0-micron	D422	100	--	--	100	--	--	100	--
Percent retained 16,000-micron sieve	D422	99.7	--	--	100	--	--	99.6	--
Percent retained 30-micron sieve	D422	91.3	--	--	98.1	--	--	93.3	--
Sand	D422	65.4	--	--	66.3	--	--	63.2	--
Silt	D422	34.6	--	--	33.7	--	--	36.8	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.027)	ND (0.029)	ND (0.027)	--	ND (0.035)	ND (0.022)	ND (0.025)	ND (0.030)
Aroclor 1221	SW8082A	ND (0.027)	ND (0.029)	ND (0.027)	--	ND (0.035)	ND (0.022)	ND (0.025)	ND (0.030)
Aroclor 1232	SW8082A	ND (0.027)	ND (0.029)	ND (0.027)	--	ND (0.035)	ND (0.022)	ND (0.025)	ND (0.030)
Aroclor 1242	SW8082A	ND (0.027)	ND (0.029)	ND (0.027)	--	ND (0.035)	ND (0.022)	ND (0.025)	ND (0.030)
Aroclor 1248	SW8082A	ND (0.027)	ND (0.029)	ND (0.027)	--	ND (0.035)	ND (0.022)	ND (0.025)	ND (0.030)
Aroclor 1254	SW8082A	ND (0.027)	ND (0.029)	ND (0.027)	--	ND (0.035)	ND (0.022)	ND (0.025)	ND (0.030)
Aroclor 1260	SW8082A	ND (0.027)	ND (0.029)	ND (0.027)	--	0.395	ND (0.022)	ND (0.025)	ND (0.030)
Total PCB Aroclors (ND = 0 max limit)		ND (0.023)	ND (0.024)	ND (0.022)	--	0.395	ND (0.019)	ND (0.021)	ND (0.03)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-F-G-5-6-230822-04-05 8/22/2023 4–5 ft	SE-F-G-5-6-230822-05-06 8/22/2023 5–6 ft	SE-F-G-5-6-230822-06-07 8/22/2023 6–7 ft	SE-F-G-6-7-230822-00-01 8/22/2023 0–1 ft	SE-F-G-6-7-230822-01-02 8/22/2023 1–2 ft	SE-F-G-6-7-230822-02-03 8/22/2023 2–3 ft	SE-F-G-6-7-230822-03-04 8/22/2023 3–4 ft	SE-F-G-6-7-230822-04-05 8/22/2023 4–5 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	6.8	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	Non-plastic	--	--	--	Non-plastic	--
Plasticity index	D4318	--	--	Non-plastic	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	1.6	--
Liquid limit	D4318	--	--	Non-plastic	--	--	--	Non-plastic	--
Liquidity Index	D4318	--	--	Non-plastic	--	--	--	Non-plastic	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	42.9	--	--	--	47.2	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	69.6	73.9	--	33.8	38.3	57.8	69.8	70.5
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	48	--
Grain Size (pct)									
Gravel	D422	--	--	0	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	16	--	--	--	14	--
Percent passing (hydrometer 2)	D422	--	--	5.2	--	--	--	4.6	--
Percent passing (hydrometer 3)	D422	--	--	1	--	--	--	0.91	--
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	--	--	46.5	--	--	--	50.4	--
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	--	--	86	--	--	--	66.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	35.7	--	--	--	34.5	--
Percent passing 8.0-micron	D422	--	--	100	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	100	--	--	--	99.3	--
Percent retained 30-micron sieve	D422	--	--	98.3	--	--	--	88.4	--
Sand	D422	--	--	64.3	--	--	--	65.5	--
Silt	D422	--	--	35.7	--	--	--	34.5	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.027)	ND (0.025)	--	ND (0.055)	ND (0.047)	ND (0.034)	ND (0.027)	ND (0.028)
Aroclor 1221	SW8082A	ND (0.027)	ND (0.025)	--	ND (0.055)	ND (0.047)	ND (0.034)	ND (0.027)	ND (0.028)
Aroclor 1232	SW8082A	ND (0.027)	ND (0.025)	--	ND (0.055)	ND (0.047)	ND (0.034)	ND (0.027)	ND (0.028)
Aroclor 1242	SW8082A	ND (0.027)	ND (0.025)	--	ND (0.055)	ND (0.047)	ND (0.034)	ND (0.027)	ND (0.028)
Aroclor 1248	SW8082A	ND (0.027)	ND (0.025)	--	ND (0.055)	ND (0.047)	ND (0.034)	ND (0.027)	ND (0.028)
Aroclor 1254	SW8082A	ND (0.027)	ND (0.025)	--	ND (0.055)	ND (0.047)	ND (0.034)	ND (0.027)	ND (0.028)
Aroclor 1260	SW8082A	ND (0.027)	ND (0.025)	--	3.65	26.7	1.27 J	0.0421	ND (0.028)
Total PCB Aroclors (ND = 0 max limit)		ND (0.022)	ND (0.021)	--	3.65	26.7	1.27 J	0.0421	ND (0.023)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-F-G-6-7-230822-05-06 8/22/2023 5–6 ft	SE-F-G-6-7-230822-06-07 8/22/2023 6–7 ft	SE-F-G-6-7-230822-07-08 8/22/2023 7–8 ft	SE-F-G-6-7-BD0001 8/22/2023 2–3 ft	SE-F-G-8-230823-00-01 8/23/2023 0–1 ft	SE-F-G-8-230823-01-02 8/23/2023 1–2 ft	SE-F-G-8-230823-02-03 8/23/2023 2–3 ft	SE-F-G-8-230823-03-04 8/23/2023 3–4 ft	SE-F-G-8-230823-04-05 8/23/2023 4–5 ft
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	Non-plastic	--	Non-plastic	--	--	--	--
Plasticity index	D4318	--	--	Non-plastic	--	Non-plastic	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	Non-plastic	--	Non-plastic	--	--	--	--
Liquidity Index	D4318	--	--	Non-plastic	--	Non-plastic	--	--	--	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	39.1	--	257	--	--	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--	--
Total solids	SM2540E	68.1	73.9	72.2	61.7	25.4	68.4	75.4	75	63.3
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	0	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	13	--	34	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	4.9	--	5.2	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	0.97	--	1.1	--	--	--	--
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	--	--	51.5	--	51.6	--	--	--	--
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	--	--	81.9	--	76	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	28.9	--	45.5	--	--	--	--
Percent passing 8.0-micron	D422	--	--	100	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	100	--	98.3	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	98.3	--	93.9	--	--	--	--
Sand	D422	--	--	71.1	--	54.5	--	--	--	--
Silt	D422	--	--	28.9	--	45.5	--	--	--	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.029)	ND (0.077)	ND (0.026)	ND (0.025)	ND (0.026)	ND (0.031)
Aroclor 1221	SW8082A	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.029)	ND (0.077)	ND (0.026)	ND (0.025)	ND (0.026)	ND (0.031)
Aroclor 1232	SW8082A	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.029)	ND (0.077)	ND (0.026)	ND (0.025)	ND (0.026)	ND (0.031)
Aroclor 1242	SW8082A	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.029)	ND (0.077)	ND (0.026)	ND (0.025)	ND (0.026)	ND (0.031)
Aroclor 1248	SW8082A	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.029)	ND (0.077)	ND (0.026)	ND (0.025)	ND (0.026)	ND (0.031)
Aroclor 1254	SW8082A	ND (0.028)	ND (0.026)	ND (0.026)	ND (0.029)	ND (0.077)	ND (0.026)	ND (0.025)	ND (0.026)	ND (0.031)
Aroclor 1260	SW8082A	ND (0.028)	ND (0.026)	0.0109 J	0.0217 J	5.29	0.126	ND (0.025)	ND (0.026)	ND (0.031)
Total PCB Aroclors (ND = 0 max limit)		ND (0.023)	ND (0.021)	0.0109 J	0.0217 J	5.29	0.126	ND (0.020)	ND (0.021)	ND (0.026)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-F-G-8-230823-05-06 8/23/2023 5–6 ft	SE-F-G-8-230823-06-07 8/23/2023 6–7 ft	SE-F-G-8-9-230823-00-01 8/23/2023 0–1 ft	SE-F-G-8-9-230823-01-02 8/23/2023 1–2 ft	SE-F-G-8-9-230823-02-03 8/23/2023 2–3 ft	SE-F-G-8-9-230823-03-04 8/23/2023 3–4 ft	SE-F-G-8-9-230823-04-05 8/23/2023 4–5 ft	SE-F-G-8-9-230823-05-06 8/23/2023 5–6 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	--	Non-plastic	--	--
Plasticity index	D4318	--	--	--	--	--	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	Non-plastic	--	--
Liquidity Index	D4318	--	--	--	--	--	Non-plastic	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	--	80.9	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	62.3	27.5	20.9	30.2	55.6	60.5	54.4	36.8
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	31	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	8.4	--	--
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	--	--	--	--	--	70.1	--	--
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	--	--	--	--	--	77.7	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	58.2	--	--
Percent passing 8.0-micron	D422	--	--	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.6	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	89	--	--
Sand	D422	--	--	--	--	--	41.8	--	--
Silt	D422	--	--	--	--	--	58.2	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.031)	ND (0.070)	ND (0.096)	ND (0.060)	ND (0.033)	ND (0.032)	ND (0.033)	ND (0.052)
Aroclor 1221	SW8082A	ND (0.031)	ND (0.070)	ND (0.096)	ND (0.060)	ND (0.033)	ND (0.032)	ND (0.033)	ND (0.052)
Aroclor 1232	SW8082A	ND (0.031)	ND (0.070)	ND (0.096)	ND (0.060)	ND (0.033)	ND (0.032)	ND (0.033)	ND (0.052)
Aroclor 1242	SW8082A	ND (0.031)	ND (0.070)	ND (0.096)	ND (0.060)	ND (0.033)	ND (0.032)	ND (0.033)	ND (0.052)
Aroclor 1248	SW8082A	ND (0.031)	ND (0.070)	ND (0.096)	ND (0.060)	ND (0.033)	ND (0.032)	ND (0.033)	ND (0.052)
Aroclor 1254	SW8082A	ND (0.031)	ND (0.070)	ND (0.096)	ND (0.060)	ND (0.033)	ND (0.032)	ND (0.033)	ND (0.052)
Aroclor 1260	SW8082A	ND (0.031)	ND (0.070)	4.78	0.455	1.02 J	0.121	ND (0.033)	ND (0.052)
Total PCB Aroclors (ND = 0 max limit)		ND (0.026)	ND (0.06)	4.78	0.455	1.02 J	0.121	ND (0.027)	ND (0.043)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-F-G-8-9-230823-06-07 8/23/2023 6–7 ft	SE-F-G-8-9-BD0001 8/23/2023 2–3 ft	SE-F-G-9-10-230822-00-01 8/22/2023 0–1 ft	SE-F-G-9-10-230822-01-02 8/22/2023 1–2 ft	SE-F-G-9-10-230822-02-03 8/22/2023 2–3 ft	SE-F-G-9-10-230822-03-04 8/22/2023 3–4 ft	SE-F-G-9-10-230822-04-05 8/22/2023 4–5 ft	SE-F-G-9-10-230822-05-06 8/22/2023 5–6 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	68	--
Conventional Parameters (unitless)									
Plastic limit	D4318	Non-plastic	--	--	--	--	--	Non-plastic	--
Plasticity index	D4318	Non-plastic	--	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	1.1	--
Liquid limit	D4318	Non-plastic	--	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	Non-plastic	--	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	118	--	--	--	--	--	741	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	44	54.1	13.7	14.9	15.3	12.9	12.4	14.1
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	6.1	--
Grain Size (pct)									
Gravel	D422	0	--	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	39	--	--	--	--	--	42	--
Percent passing (hydrometer 2)	D422	14	--	--	--	--	--	11	--
Percent passing (hydrometer 3)	D422	7.9	--	--	--	--	--	6.4	--
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	55.1	--	--	--	--	--	60.2	--
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	67.6	--	--	--	--	--	72.1	--
Percent passing 75-micron sieve (No. 200)	D422	51	--	--	--	--	--	55	--
Percent passing 8.0-micron	D422	100	--	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	99	--	--	--	--	--	99.3	--
Percent retained 30-micron sieve	D422	86.5	--	--	--	--	--	87.4	--
Sand	D422	49	--	--	--	--	--	45	--
Silt	D422	51	--	--	--	--	--	55	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.043)	ND (0.035)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.15)	ND (0.14)
Aroclor 1221	SW8082A	ND (0.043)	ND (0.035)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.15)	ND (0.14)
Aroclor 1232	SW8082A	ND (0.043)	ND (0.035)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.15)	ND (0.14)
Aroclor 1242	SW8082A	ND (0.043)	ND (0.035)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.15)	ND (0.14)
Aroclor 1248	SW8082A	ND (0.043)	ND (0.035)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.15)	ND (0.14)
Aroclor 1254	SW8082A	ND (0.043)	ND (0.035)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.15)	ND (0.14)
Aroclor 1260	SW8082A	ND (0.043)	0.588 J	2.25	3.6	1.07	0.176	ND (0.15)	ND (0.14)
Total PCB Aroclors (ND = 0 max limit)		ND (0.036)	0.588 J	2.25	3.6	1.07	0.176	ND (0.13)	ND (0.12)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-F-G-9-10-BD0001 8/22/2023 5–6 ft	SE-G-5-230823-00-01 8/23/2023 0–1 ft	SE-G-5-230823-01-02 8/23/2023 1–2 ft	SE-G-5-230823-02-03 8/23/2023 2–3 ft	SE-G-5-230823-03-04 8/23/2023 3–4 ft	SE-G-5-230823-04-05 8/23/2023 4–5 ft	SE-G-5-230823-05-06 8/23/2023 5–6 ft	SE-G-7-230823-00-01 8/23/2023 0–1 ft	SE-G-7-230823-01-02 8/23/2023 1–2 ft	SE-G-7-230823-02-03 8/23/2023 2–3 ft
Chemical											
Conventional Parameters (percent)											
Organic Content	D2974	--	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)											
Plastic limit	D4318	--	--	--	Non-plastic	--	--	--	--	Non-plastic	--
Plasticity index	D4318	--	--	--	Non-plastic	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	Non-plastic	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	--	--	--	Non-plastic	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)											
Moisture (water) content	D2216	--	--	--	163	--	--	--	--	112	--
Total solids	SM2540D	--	--	--	--	--	--	--	--	--	--
Total solids	SM2540E	15.8	29.5	40	44.4	40.3	38.6	39.5	33	50.2	64.5
Total solids	SM2540G	--	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)											
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--	--
Grain Size (pct)											
Gravel	D422	--	--	--	0	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	49	--	--	--	--	34	--
Percent passing (hydrometer 2)	D422	--	--	--	13	--	--	--	--	13	--
Percent passing (hydrometer 3)	D422	--	--	--	6.7	--	--	--	--	6.8	--
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	--	--	--	67.8	--	--	--	--	59.8	--
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	--	--	--	78.4	--	--	--	--	72.5	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	59.2	--	--	--	--	51	--
Percent passing 8.0-micron	D422	--	--	--	100	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.6	--	--	--	--	99.4	--
Percent retained 30-micron sieve	D422	--	--	--	89.7	--	--	--	--	87.9	--
Sand	D422	--	--	--	40.8	--	--	--	--	49	--
Silt	D422	--	--	--	59.2	--	--	--	--	51	--
PCB Aroclors (mg/kg)											
Aroclor 1016	SW8082A	ND (0.13)	ND (0.064)	ND (0.046)	ND (0.042)	ND (0.048)	ND (0.049)	ND (0.051)	ND (0.059)	ND (0.039)	ND (0.029)
Aroclor 1221	SW8082A	ND (0.13)	ND (0.064)	ND (0.046)	ND (0.042)	ND (0.048)	ND (0.049)	ND (0.051)	ND (0.059)	ND (0.039)	ND (0.029)
Aroclor 1232	SW8082A	ND (0.13)	ND (0.064)	ND (0.046)	ND (0.042)	ND (0.048)	ND (0.049)	ND (0.051)	ND (0.059)	ND (0.039)	ND (0.029)
Aroclor 1242	SW8082A	ND (0.13)	ND (0.064)	ND (0.046)	ND (0.042)	ND (0.048)	ND (0.049)	ND (0.051)	ND (0.059)	ND (0.039)	ND (0.029)
Aroclor 1248	SW8082A	ND (0.13)	ND (0.064)	ND (0.046)	ND (0.042)	ND (0.048)	ND (0.049)	ND (0.051)	ND (0.059)	ND (0.039)	ND (0.029)
Aroclor 1254	SW8082A	ND (0.13)	ND (0.064)	ND (0.046)	ND (0.042)	ND (0.048)	ND (0.049)	ND (0.051)	ND (0.059)	ND (0.039)	ND (0.029)
Aroclor 1260	SW8082A	3.55 J	2.15	1.61	7.12	25.8	22.3	63.2	11	0.651	0.864
Total PCB Aroclors (ND = 0 max limit)		3.55 J	2.15	1.61	7.12	25.8	22.3	63.2	11	0.651	0.864

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-G-7-230823-03-04 8/23/2023 3–4 ft	SE-G-7-230823-04-05 8/23/2023 4–5 ft	SE-G-7-230823-05-06 8/23/2023 5–6 ft	SE-G-7-230823-06-07 8/23/2023 6–7 ft	SE-G-7-BD0001 8/23/2023 3–4 ft	SE-G-H-1-230824-00-01 8/24/2023 0–1 ft	SE-G-H-1-230824-01-02 8/24/2023 1–2 ft	SE-G-H-1-230824-02-03 8/24/2023 2–3 ft	SE-G-H-1-230824-03-04 8/24/2023 3–4 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	10.3	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	Non-plastic	--	--	--	--	Non-plastic
Plasticity index	D4318	--	--	--	Non-plastic	--	--	--	--	Non-plastic
Specific gravity	D1429	--	--	--	1.6	--	--	--	--	--
Liquid limit	D4318	--	--	--	Non-plastic	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	--	--	Non-plastic	--	--	--	--	Non-plastic
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	93.2	--	--	--	--	28.4
Total solids	SM2540D	--	--	--	--	--	20.9	58.8	71.6	77.9
Total solids	SM2540E	60.4	44.8	58.8	57.3	59.1	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	47	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	0	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	45	--	--	--	--	20
Percent passing (hydrometer 2)	D422	--	--	--	8.7	--	--	--	--	4.7
Percent passing (hydrometer 3)	D422	--	--	--	4.8	--	--	--	--	0.94
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	--	--	--	--	53.5
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	--	--	--	74.4	--	--	--	--	88.5
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	52.1	--	--	--	--	37.2
Percent passing 8.0-micron	D422	--	--	--	100	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	99.6	--	--	--	--	99.9
Percent retained 30-micron sieve	D422	--	--	--	90.6	--	--	--	--	99.7
Sand	D422	--	--	--	47.9	--	--	--	--	62.8
Silt	D422	--	--	--	52.1	--	--	--	--	37.2
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.031)	ND (0.044)	ND (0.031)	ND (0.034)	ND (0.031)	ND (0.096)	ND (0.029)	ND (0.026)	ND (0.023)
Aroclor 1221	SW8082A	ND (0.031)	ND (0.044)	ND (0.031)	ND (0.034)	ND (0.031)	ND (0.096)	ND (0.029)	ND (0.026)	ND (0.023)
Aroclor 1232	SW8082A	ND (0.031)	ND (0.044)	ND (0.031)	ND (0.034)	ND (0.031)	ND (0.096)	ND (0.029)	ND (0.026)	ND (0.023)
Aroclor 1242	SW8082A	ND (0.031)	ND (0.044)	ND (0.031)	ND (0.034)	ND (0.031)	ND (0.096)	ND (0.029)	ND (0.026)	ND (0.023)
Aroclor 1248	SW8082A	ND (0.031)	ND (0.044)	ND (0.031)	ND (0.034)	ND (0.031)	ND (0.096)	ND (0.029)	ND (0.026)	ND (0.023)
Aroclor 1254	SW8082A	ND (0.031)	ND (0.044)	ND (0.031)	ND (0.034)	ND (0.031)	ND (0.096)	ND (0.029)	ND (0.026)	ND (0.023)
Aroclor 1260	SW8082A	0.0385 J	ND (0.044)	ND (0.031)	ND (0.034)	0.106 J	0.744	0.0146 J	ND (0.026)	ND (0.023)
Total PCB Aroclors (ND = 0 max limit)		0.0385 J	ND (0.036)	ND (0.026)	ND (0.028)	0.106 J	0.744	0.0146 J	ND (0.021)	ND (0.019)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-G-H-1-230824-04-05 8/24/2023 4–5 ft	SE-G-H-1-230824-05-06 8/24/2023 5–6 ft	SE-G-H-1-230824-06-07 8/24/2023 6–7 ft	SE-G-H-2-3-230824-00-01 8/24/2023 0–1 ft	SE-G-H-2-3-230824-01-02 8/24/2023 1–2 ft	SE-G-H-2-3-230824-02-03 8/24/2023 2–3 ft	SE-G-H-2-3-230824-03-04 8/24/2023 3–4 ft	SE-G-H-2-3-230824-04-05 8/24/2023 4–5 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	3.3
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	--	--	--	Non-plastic
Plasticity index	D4318	--	--	--	--	--	--	--	Non-plastic
Specific gravity	D1429	--	--	--	--	--	--	--	1.8
Liquid limit	D4318	--	--	--	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	--	--	--	--	--	--	Non-plastic
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	--	--	--	39.3
Total solids	SM2540D	76.1	59.3	76	38.7	80.8	70.4	67.9	68.6
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	42
Grain Size (pct)									
Gravel	D422	--	--	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--	--	55
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--	--	16
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--	--	9.5
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	--	--	--	--	--	--	--	71
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	--	--	--	--	--	--	--	96.7
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--	--	60.6
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	--	--	--	--	--	--	--	39.4
Silt	D422	--	--	--	--	--	--	--	60.6
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.023)	ND (0.033)	ND (0.024)	ND (0.048)	ND (0.024)	ND (0.028)	ND (0.027)	ND (0.029)
Aroclor 1221	SW8082A	ND (0.023)	ND (0.033)	ND (0.024)	ND (0.048)	ND (0.024)	ND (0.028)	ND (0.027)	ND (0.029)
Aroclor 1232	SW8082A	ND (0.023)	ND (0.033)	ND (0.024)	ND (0.048)	ND (0.024)	ND (0.028)	ND (0.027)	ND (0.029)
Aroclor 1242	SW8082A	ND (0.023)	ND (0.033)	ND (0.024)	ND (0.048)	ND (0.024)	ND (0.028)	ND (0.027)	ND (0.029)
Aroclor 1248	SW8082A	ND (0.023)	ND (0.033)	ND (0.024)	ND (0.048)	ND (0.024)	ND (0.028)	ND (0.027)	ND (0.029)
Aroclor 1254	SW8082A	ND (0.023)	ND (0.033)	ND (0.024)	2.03	ND (0.024)	ND (0.028)	ND (0.027)	ND (0.029)
Aroclor 1260	SW8082A	ND (0.023)	ND (0.033)	ND (0.024)	8.32	0.0239 J	ND (0.028)	ND (0.027)	ND (0.029)
Total PCB Aroclors (ND = 0 max limit)		ND (0.019)	ND (0.027)	ND (0.020)	10.4	0.0239 J	ND (0.023)	ND (0.022)	ND (0.024)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-G-H-2-3-230824-05-06 8/24/2023 5–6 ft	SE-G-H-2-3-230824-06-6.5 8/24/2023 6–6.5 ft	SE-G-H-4-5-230826-00-01 8/26/2023 0–1 ft	SE-G-H-4-5-230826-01-02 8/26/2023 1–2 ft	SE-G-H-4-5-230826-02-03 8/26/2023 2–3 ft	SE-G-H-4-5-230826-03-04 8/26/2023 3–4 ft	SE-G-H-4-5-230826-04-05 8/26/2023 4–5 ft	SE-G-H-4-5-230826-05-06 8/26/2023 5–6 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	--	32	--	--
Plasticity index	D4318	--	--	--	--	--	3.1	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	35.1	--	--
Liquidity Index	D4318	--	--	--	--	--	3.9	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	--	43	--	--
Total solids	SM2540D	71.3	73.4	36.2	40.7	69.1	70.7	65.1	59.9
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	47	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	15	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	9.1	--	--
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	--	--	--	--	--	67.3	--	--
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	--	--	--	--	--	92.8	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	58.1	--	--
Percent passing 8.0-micron	D422	--	--	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.6	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	98.7	--	--
Sand	D422	--	--	--	--	--	42	--	--
Silt	D422	--	--	--	--	--	58.1	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.028)	ND (0.026)	ND (0.055)	ND (0.047)	ND (0.027)	ND (0.028)	ND (0.031)	ND (0.031)
Aroclor 1221	SW8082A	ND (0.028)	ND (0.026)	ND (0.055)	ND (0.047)	ND (0.027)	ND (0.028)	ND (0.031)	ND (0.031)
Aroclor 1232	SW8082A	ND (0.028)	ND (0.026)	ND (0.055)	ND (0.047)	ND (0.027)	ND (0.028)	ND (0.031)	ND (0.031)
Aroclor 1242	SW8082A	ND (0.028)	ND (0.026)	ND (0.055)	ND (0.047)	ND (0.027)	ND (0.028)	ND (0.031)	ND (0.031)
Aroclor 1248	SW8082A	ND (0.028)	ND (0.026)	ND (0.055)	ND (0.047)	ND (0.027)	ND (0.028)	ND (0.031)	ND (0.031)
Aroclor 1254	SW8082A	ND (0.028)	ND (0.026)	0.413	0.954	ND (0.027)	ND (0.028)	ND (0.031)	ND (0.031)
Aroclor 1260	SW8082A	ND (0.028)	ND (0.026)	2.77	3.46	0.206	0.0722	ND (0.031)	ND (0.031)
Total PCB Aroclors (ND = 0 max limit)		ND (0.023)	ND (0.022)	3.18	4.41	0.206	0.0722	ND (0.025)	ND (0.026)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-G-H-4-5-230826-06-07 8/26/2023 6–7 ft	SE-G-H-4-5-230826-07-08 8/26/2023 7–8 ft	SE-G-H-5-6-230826-00-01 8/26/2023 0–1 ft	SE-G-H-5-6-230826-01-02 8/26/2023 1–2 ft	SE-G-H-5-6-230826-02-03 8/26/2023 2–3 ft	SE-G-H-5-6-230826-03-04 8/26/2023 3–4 ft	SE-G-H-5-6-230826-04-05 8/26/2023 4–5 ft	SE-G-H-5-6-230826-05-06 8/26/2023 5–6 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	35	--	Non-plastic	--	--	--	45
Plasticity index	D4318	--	3.8	--	Non-plastic	--	--	--	-0.3
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	38.8	--	Non-plastic	--	--	--	44.7
Liquidity Index	D4318	--	4.7	--	Non-plastic	--	--	--	-88.4
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	50.4	--	176	--	--	--	91
Total solids	SM2540D	50.8	69.1	31.5	36.1	62	58.2	55.8	58.7
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	0	--	--	--	0
Percent passing (hydrometer 1)	D422	--	59	--	27	--	--	--	46.2
Percent passing (hydrometer 2)	D422	--	14	--	11	--	--	--	10.4
Percent passing (hydrometer 3)	D422	--	11	--	6.9	--	--	--	4.7
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	100	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	100	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	100	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	74.6	--	47.4	--	--	--	61.1
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	10	--	--	--	100
Percent passing 3 inch (3-inch sieve)	D422	--	100	--	100	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	100	--	--	--	100
Percent passing 50-micron sieve	D422	--	83.9	--	59.9	--	--	--	68.7
Percent passing 75-micron sieve (No. 200)	D422	--	66.1	--	35.8	--	--	--	52.2
Percent passing 8.0-micron	D422	--	100	--	100	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	97.5	--	94.4	--	--	--	91.9
Percent retained 30-micron sieve	D422	--	91.6	--	83.3	--	--	--	79.5
Sand	D422	--	33.9	--	64.2	--	--	--	47.9
Silt	D422	--	66.1	--	36.8	--	--	--	52.2
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.038)	ND (0.026)	ND (0.058)	ND (0.053)	ND (0.029)	ND (0.031)	ND (0.034)	ND (0.030)
Aroclor 1221	SW8082A	ND (0.038)	ND (0.026)	ND (0.058)	ND (0.053)	ND (0.029)	ND (0.031)	ND (0.034)	ND (0.030)
Aroclor 1232	SW8082A	ND (0.038)	ND (0.026)	ND (0.058)	ND (0.053)	ND (0.029)	ND (0.031)	ND (0.034)	ND (0.030)
Aroclor 1242	SW8082A	ND (0.038)	ND (0.026)	ND (0.058)	ND (0.053)	ND (0.029)	ND (0.031)	ND (0.034)	ND (0.030)
Aroclor 1248	SW8082A	ND (0.038)	ND (0.026)	ND (0.058)	ND (0.053)	ND (0.029)	ND (0.031)	ND (0.034)	ND (0.030)
Aroclor 1254	SW8082A	ND (0.038)	ND (0.026)	0.824	0.129	0.0214 J	ND (0.031)	ND (0.034)	ND (0.030)
Aroclor 1260	SW8082A	ND (0.038)	ND (0.026)	4.74	0.65	0.132 J	0.0272 J	ND (0.034)	ND (0.030)
Total PCB Aroclors (ND = 0 max limit)		ND (0.031)	ND (0.022)	5.56	0.78	0.153 J	0.0272 J	ND (0.028)	ND (0.03)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-G-H-5-6-230826-06-07 8/26/2023 6–7 ft	SE-G-H-5-6-230826-07-08 8/26/2023 7–8 ft	SE-G-H-5-6-BD0001 8/26/2023 2–3 ft	SE-G-H-6-7-230826-00-01 8/26/2023 0–1 ft	SE-G-H-6-7-230826-01-02 8/26/2023 1–2 ft	SE-G-H-6-7-230826-02-03 8/26/2023 2–3 ft	SE-G-H-6-7-230826-03-04 8/26/2023 3–4 ft	SE-G-H-6-7-230826-04-05 8/26/2023 4–5 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	--	Non-plastic	--	--
Plasticity index	D4318	--	--	--	--	--	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	Non-plastic	--	--
Liquidity Index	D4318	--	--	--	--	--	Non-plastic	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	--	88	--	--
Total solids	SM2540D	67	65.7	62.6	30.5	70.6	58	47.2	33.8
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	28	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	7	--	--
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	--	--	--	--	--	49.3	--	--
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	--	--	--	--	--	62.8	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	39	--	--
Percent passing 8.0-micron	D422	--	--	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	99.5	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	86.7	--	--
Sand	D422	--	--	--	--	--	61.1	--	--
Silt	D422	--	--	--	--	--	39	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.029)	ND (0.026)	ND (0.029)	ND (0.059)	ND (0.028)	ND (0.033)	ND (0.042)	ND (0.055)
Aroclor 1221	SW8082A	ND (0.029)	ND (0.026)	ND (0.029)	ND (0.059)	ND (0.028)	ND (0.033)	ND (0.042)	ND (0.055)
Aroclor 1232	SW8082A	ND (0.029)	ND (0.026)	ND (0.029)	ND (0.059)	ND (0.028)	ND (0.033)	ND (0.042)	ND (0.055)
Aroclor 1242	SW8082A	ND (0.029)	ND (0.026)	ND (0.029)	ND (0.059)	ND (0.028)	ND (0.033)	ND (0.042)	ND (0.055)
Aroclor 1248	SW8082A	ND (0.029)	ND (0.026)	ND (0.029)	ND (0.059)	ND (0.028)	ND (0.033)	ND (0.042)	ND (0.055)
Aroclor 1254	SW8082A	ND (0.029)	ND (0.026)	ND (0.029)	1.03	ND (0.028)	0.228	ND (0.042)	ND (0.055)
Aroclor 1260	SW8082A	ND (0.029)	ND (0.026)	0.209 J	3.75	0.0421	0.791	0.0329 J	ND (0.055)
Total PCB Aroclors (ND = 0 max limit)		ND (0.024)	ND (0.022)	0.209 J	4.78	0.0421	1.02	0.0329 J	ND (0.045)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-G-H-6-7-230826-05-06 8/26/2023 5–6 ft	SE-G-H-6-7-230826-06-07 8/26/2023 6–7 ft	SE-G-H-6-7-230826-07-7.5 8/26/2023 7–7.5 ft	SE-G-H-6-7-BD0001 8/26/2023 3–4 ft	SE-G-H-7-8-230826-00-01 8/26/2023 0–1 ft	SE-G-H-7-8-230826-01-02 8/26/2023 1–2 ft	SE-G-H-7-8-230826-02-03 8/26/2023 2–3 ft	SE-G-H-7-8-230826-03-04 8/26/2023 3–4 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	--	--	--	--
Plasticity index	D4318	--	Non-plastic	--	--	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	--	--	--
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	174	--	--	--	--	--	--
Total solids	SM2540D	32.3	30.3	29	46.6	22.9	22.2	48.9	40.4
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	41	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	10	--	--	--	--	--	--
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	--	52.7	--	--	--	--	--	--
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	--	67.1	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	45.4	--	--	--	--	--	--
Percent passing 8.0-micron	D422	--	100	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	98.5	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	88.2	--	--	--	--	--	--
Sand	D422	--	54.6	--	--	--	--	--	--
Silt	D422	--	45.4	--	--	--	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.054)	ND (0.065)	ND (0.069)	ND (0.041)	ND (0.084)	ND (0.088)	ND (0.039)	ND (0.048)
Aroclor 1221	SW8082A	ND (0.054)	ND (0.065)	ND (0.069)	ND (0.041)	ND (0.084)	ND (0.088)	ND (0.039)	ND (0.048)
Aroclor 1232	SW8082A	ND (0.054)	ND (0.065)	ND (0.069)	ND (0.041)	ND (0.084)	ND (0.088)	ND (0.039)	ND (0.048)
Aroclor 1242	SW8082A	ND (0.054)	ND (0.065)	ND (0.069)	ND (0.041)	ND (0.084)	ND (0.088)	ND (0.039)	ND (0.048)
Aroclor 1248	SW8082A	ND (0.054)	ND (0.065)	ND (0.069)	ND (0.041)	ND (0.084)	ND (0.088)	ND (0.039)	ND (0.048)
Aroclor 1254	SW8082A	ND (0.054)	ND (0.065)	ND (0.069)	ND (0.041)	0.18	1.71	ND (0.039)	ND (0.048)
Aroclor 1260	SW8082A	ND (0.054)	ND (0.065)	ND (0.069)	0.123 J	1.12	11.8	0.0937	ND (0.048)
Total PCB Aroclors (ND = 0 max limit)		ND (0.045)	ND (0.054)	ND (0.057)	0.123 J	1.3	13.5	0.0937	ND (0.040)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-G-H-7-8-230826-04-05 8/26/2023 4–5 ft	SE-G-H-7-8-230826-05-06 8/26/2023 5–6 ft	SE-G-H-7-8-230826-06-07 8/26/2023 6–7 ft	SE-G-H-7-8-BD0001 8/26/2023 0–1 ft	SE-G-H-8-9-230827-00-01 8/27/2023 0–1 ft	SE-G-H-8-9-230827-01-02 8/27/2023 1–2 ft	SE-G-H-8-9-230827-02-03 8/27/2023 2–3 ft	SE-G-H-8-9-230827-03-04 8/27/2023 3–4 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	Non-plastic	--	--	--	--	--	Non-plastic	--
Plasticity index	D4318	Non-plastic	--	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	Non-plastic	--	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	Non-plastic	--	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	44.3	--	--	--	--	--	489	--
Total solids	SM2540D	59.8	55.4	54	22.2	17.1	16.8	18.9	16.8
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	0	--	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	17	--	--	--	--	--	22	--
Percent passing (hydrometer 2)	D422	4	--	--	--	--	--	7	--
Percent passing (hydrometer 3)	D422	1	--	--	--	--	--	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	48.1	--	--	--	--	--	54.7	--
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	62	--	--	--	--	--	68.4	--
Percent passing 75-micron sieve (No. 200)	D422	41.3	--	--	--	--	--	46.6	--
Percent passing 8.0-micron	D422	100	--	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	97.9	--	--	--	--	--	96.1	--
Percent retained 30-micron sieve	D422	87	--	--	--	--	--	86.5	--
Sand	D422	58.7	--	--	--	--	--	53.4	--
Silt	D422	41.3	--	--	--	--	--	46.6	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.032)	ND (0.035)	ND (0.036)	ND (0.088)	ND (0.12)	ND (0.12)	ND (0.10)	ND (0.12)
Aroclor 1221	SW8082A	ND (0.032)	ND (0.035)	ND (0.036)	ND (0.088)	ND (0.12)	ND (0.12)	ND (0.10)	ND (0.12)
Aroclor 1232	SW8082A	ND (0.032)	ND (0.035)	ND (0.036)	ND (0.088)	ND (0.12)	ND (0.12)	ND (0.10)	ND (0.12)
Aroclor 1242	SW8082A	ND (0.032)	ND (0.035)	ND (0.036)	ND (0.088)	ND (0.12)	ND (0.12)	ND (0.10)	ND (0.12)
Aroclor 1248	SW8082A	ND (0.032)	ND (0.035)	ND (0.036)	ND (0.088)	ND (0.12)	ND (0.12)	ND (0.10)	ND (0.12)
Aroclor 1254	SW8082A	ND (0.032)	ND (0.035)	ND (0.036)	0.201	0.408	ND (0.12)	ND (0.10)	ND (0.12)
Aroclor 1260	SW8082A	ND (0.032)	ND (0.035)	ND (0.036)	1.13	2.26	0.653	0.232	0.469
Total PCB Aroclors (ND = 0 max limit)		ND (0.027)	ND (0.029)	ND (0.030)	1.33	2.67	0.653	0.232	0.469

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-G-H-8-9-230827-04-05 8/27/2023 4–5 ft	SE-G-H-8-9-BD0001 8/27/2023 1–2 ft	SE-G-H-9-10-230823-00-01 8/23/2023 0–1 ft	SE-G-H-9-10-230823-01-02 8/23/2023 1–2 ft	SE-G-H-9-10-230823-02-03 8/23/2023 2–3 ft	SE-G-H-9-10-230823-03-04 8/23/2023 3–4 ft	SE-G-H-9-10-230823-04-05 8/23/2023 4–5 ft	SE-G-H-9-10-230823-05-06 8/23/2023 5–6 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	--	--	--	Non-plastic
Plasticity index	D4318	--	--	--	--	--	--	--	Non-plastic
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	--	--	--	--	--	--	Non-plastic
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	--	--	--	301
Total solids	SM2540D	14.3	16.2	--	--	--	--	--	--
Total solids	SM2540E	--	--	16.3	25.8	23.1	34.5	15.9	21.5
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--	--	32
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--	--	12
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--	--	2.5
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	--	--	--	--	--	--	--	54.4
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	--	--	--	--	--	--	--	72.5
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--	--	36.4
Percent passing 8.0-micron	D422	--	--	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--	--	99.1
Percent retained 30-micron sieve	D422	--	--	--	--	--	--	--	88
Sand	D422	--	--	--	--	--	--	--	63.6
Silt	D422	--	--	--	--	--	--	--	36.4
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.078)	ND (0.087)	ND (0.058)	ND (0.13)	ND (0.089)
Aroclor 1221	SW8082A	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.078)	ND (0.087)	ND (0.058)	ND (0.13)	ND (0.089)
Aroclor 1232	SW8082A	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.078)	ND (0.087)	ND (0.058)	ND (0.13)	ND (0.089)
Aroclor 1242	SW8082A	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.078)	ND (0.087)	ND (0.058)	ND (0.13)	ND (0.089)
Aroclor 1248	SW8082A	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.078)	ND (0.087)	ND (0.058)	ND (0.13)	ND (0.089)
Aroclor 1254	SW8082A	ND (0.14)	ND (0.12)	ND (0.12)	ND (0.078)	ND (0.087)	ND (0.058)	ND (0.13)	ND (0.089)
Aroclor 1260	SW8082A	0.312	0.997	5.5	0.435	0.0310 J	ND (0.058)	ND (0.13)	ND (0.089)
Total PCB Aroclors (ND = 0 max limit)		0.312	0.997	5.5	0.435	0.0310 J	ND (0.048)	ND (0.10)	ND (0.074)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-H-1-230827-00-01 8/27/2023 0–1 ft	SE-H-1-230827-01-02 8/27/2023 1–2 ft	SE-H-1-230827-02-03 8/27/2023 2–3 ft	SE-H-1-230827-03-04 8/27/2023 3–4 ft	SE-H-1-230827-04-05 8/27/2023 4–5 ft	SE-H-1-230827-05-06 8/27/2023 5–6 ft	SE-H-2-230828-00-01 8/28/2023 0–1 ft	SE-H-2-230828-01-02 8/28/2023 1–2 ft	SE-H-2-230828-02-03 8/28/2023 2–3 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	2.1	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	Non-plastic	--	--	--	87	--
Plasticity index	D4318	--	--	--	Non-plastic	--	--	--	9.8	--
Specific gravity	D1429	--	--	--	2	--	--	--	--	--
Liquid limit	D4318	--	--	--	Non-plastic	--	--	--	96.8	--
Liquidity Index	D4318	--	--	--	Non-plastic	--	--	--	10.6	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	26.2	--	--	--	175	--
Total solids	SM2540D	29.2	80.1	79.7	80.1	81.2	82.5	25.7	37.8	63.4
Total solids	SM2540E	--	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	57	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	0	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	6	--	--	--	49	--
Percent passing (hydrometer 2)	D422	--	--	--	2.4	--	--	--	13	--
Percent passing (hydrometer 3)	D422	--	--	--	1	--	--	--	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	--	--	--	29.4	--	--	--	64.2	--
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	--	--	--	54.7	--	--	--	73.7	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	21.3	--	--	--	55.3	--
Percent passing 8.0-micron	D422	--	--	--	100	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	99.8	--	--	--	97.2	--
Percent retained 30-micron sieve	D422	--	--	--	89.6	--	--	--	88.5	--
Sand	D422	--	--	--	78.7	--	--	--	44.8	--
Silt	D422	--	--	--	21.3	--	--	--	55.3	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.066)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.075)	ND (0.052)	ND (0.031)
Aroclor 1221	SW8082A	ND (0.066)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.075)	ND (0.052)	ND (0.031)
Aroclor 1232	SW8082A	ND (0.066)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.075)	ND (0.052)	ND (0.031)
Aroclor 1242	SW8082A	ND (0.066)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.075)	ND (0.052)	ND (0.031)
Aroclor 1248	SW8082A	ND (0.066)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.075)	ND (0.052)	ND (0.031)
Aroclor 1254	SW8082A	0.889	0.352	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.024)	0.482	ND (0.052)	ND (0.031)
Aroclor 1260	SW8082A	5.64	1.9	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.024)	2.09	0.304	ND (0.031)
Total PCB Aroclors (ND = 0 max limit)		6.53	2.3	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)	2.57	0.304	ND (0.026)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-H-2-230828-03-04 8/28/2023 3–4 ft	SE-H-2-230828-04-05 8/28/2023 4–5 ft	SE-H-2-230828-05-06 8/28/2023 5–6 ft	SE-H-2-230828-06-07 8/28/2023 6–7 ft	SE-H-2-BD0001 8/28/2023 2–3 ft	SE-H-3-4-230828-00-01 8/28/2023 0–1 ft	SE-H-3-4-230828-01-02 8/28/2023 1–2 ft	SE-H-3-4-230828-02-03 8/28/2023 2–3 ft	SE-H-3-4-230828-03-04 8/28/2023 3–4 ft
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	Non-plastic	--	--	Non-plastic	--	--
Plasticity index	D4318	--	--	--	Non-plastic	--	--	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	Non-plastic	--	--	Non-plastic	--	--
Liquidity Index	D4318	--	--	--	Non-plastic	--	--	Non-plastic	--	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	27.3	--	--	45.7	--	--
Total solids	SM2540D	44.5	41.4	58.9	77.1	44.4	32	42.1	71.3	67.3
Total solids	SM2540E	--	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	2.5	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	18	--	--	38	--	--
Percent passing (hydrometer 2)	D422	--	--	--	6	--	--	12	--	--
Percent passing (hydrometer 3)	D422	--	--	--	4	--	--	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	--	--	--	38.9	--	--	53.8	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	85	--	--	100	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	--	--	100	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	97.5	--	--	100	--	--
Percent passing 50-micron sieve	D422	--	--	--	52.8	--	--	65.1	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	31	--	--	45.6	--	--
Percent passing 8.0-micron	D422	--	--	--	92.8	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	80.8	--	--	98.1	--	--
Percent retained 30-micron sieve	D422	--	--	--	70	--	--	87.6	--	--
Sand	D422	--	--	--	66.5	--	--	54.4	--	--
Silt	D422	--	--	--	31	--	--	45.6	--	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.043)	ND (0.048)	ND (0.033)	ND (0.025)	ND (0.044)	ND (0.061)	ND (0.048)	ND (0.028)	ND (0.029)
Aroclor 1221	SW8082A	ND (0.043)	ND (0.048)	ND (0.033)	ND (0.025)	ND (0.044)	ND (0.061)	ND (0.048)	ND (0.028)	ND (0.029)
Aroclor 1232	SW8082A	ND (0.043)	ND (0.048)	ND (0.033)	ND (0.025)	ND (0.044)	ND (0.061)	ND (0.048)	ND (0.028)	ND (0.029)
Aroclor 1242	SW8082A	ND (0.043)	ND (0.048)	ND (0.033)	ND (0.025)	ND (0.044)	ND (0.061)	ND (0.048)	ND (0.028)	ND (0.029)
Aroclor 1248	SW8082A	ND (0.043)	ND (0.048)	ND (0.033)	ND (0.025)	ND (0.044)	ND (0.061)	ND (0.048)	ND (0.028)	ND (0.029)
Aroclor 1254	SW8082A	ND (0.043)	ND (0.048)	ND (0.033)	ND (0.025)	ND (0.044)	0.477	0.125	ND (0.028)	ND (0.029)
Aroclor 1260	SW8082A	ND (0.043)	ND (0.048)	ND (0.033)	ND (0.025)	0.0681	2.34	0.506	0.0703	0.0875
Total PCB Aroclors (ND = 0 max limit)		ND (0.036)	ND (0.040)	ND (0.027)	ND (0.021)	0.0681	2.82	0.631	0.0703	0.0875

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-H-3-4-230828-04-05 8/28/2023 4–5 ft	SE-H-3-4-230828-05-06 8/28/2023 5–6 ft	SE-H-3-4-230828-06-07 8/28/2023 6–7 ft	SE-H-7-8-230828-00-01 8/28/2023 0–1 ft	SE-H-7-8-230828-01-02 8/28/2023 1–2 ft	SE-H-7-8-230828-02-03 8/28/2023 2–3 ft	SE-H-7-8-230828-03-04 8/28/2023 3–4 ft	SE-H-7-8-230828-04-05 8/28/2023 4–5 ft	SE-H-7-8-230828-05-06 8/28/2023 5–6 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	Non-plastic	--	--	--	--	Non-plastic	--	--	Non-plastic
Plasticity index	D4318	Non-plastic	--	--	--	--	Non-plastic	--	--	Non-plastic
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	Non-plastic	--	--	--	--	Non-plastic	--	--	Non-plastic
Liquidity Index	D4318	Non-plastic	--	--	--	--	Non-plastic	--	--	Non-plastic
Conventional Parameters (percent)										
Moisture (water) content	D2216	82.5	--	--	--	--	733	--	--	850
Total solids	SM2540D	63.4	57.3	50.1	20.8	12.5	11.4	14.2	16.1	--
Total solids	SM2540E	--	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	0	--	--	--	--	0	--	--	0
Percent passing (hydrometer 1)	D422	19	--	--	--	--	26	--	--	20
Percent passing (hydrometer 2)	D422	7	--	--	--	--	7	--	--	6
Percent passing (hydrometer 3)	D422	5	--	--	--	--	5	--	--	4.2
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	--	--	--	100	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	--	--	--	100	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	--	--	--	100	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	47.9	--	--	--	--	46.7	--	--	40.7
Percent passing 2000-micron sieve (No. 10)	D422	100	--	--	--	--	100	--	--	99.8
Percent passing 3 inch (3-inch sieve)	D422	100	--	--	--	--	100	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	100	--	--	--	--	100	--	--	100
Percent passing 50-micron sieve	D422	64.3	--	--	--	--	63.1	--	--	54.8
Percent passing 75-micron sieve (No. 200)	D422	40	--	--	--	--	36.1	--	--	31.4
Percent passing 8.0-micron	D422	100	--	--	--	--	100	--	--	100
Percent retained 16,000-micron sieve	D422	98.3	--	--	--	--	95.6	--	--	98.7
Percent retained 30-micron sieve	D422	90.9	--	--	--	--	85	--	--	71.8
Sand	D422	60	--	--	--	--	63.9	--	--	68.6
Silt	D422	40	--	--	--	--	36.1	--	--	31.4
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.032)	ND (0.034)	ND (0.040)	ND (0.092)	ND (0.16)	ND (0.17)	ND (0.14)	ND (0.12)	--
Aroclor 1221	SW8082A	ND (0.032)	ND (0.034)	ND (0.040)	ND (0.092)	ND (0.16)	ND (0.17)	ND (0.14)	ND (0.12)	--
Aroclor 1232	SW8082A	ND (0.032)	ND (0.034)	ND (0.040)	ND (0.092)	ND (0.16)	ND (0.17)	ND (0.14)	ND (0.12)	--
Aroclor 1242	SW8082A	ND (0.032)	ND (0.034)	ND (0.040)	ND (0.092)	ND (0.16)	ND (0.17)	ND (0.14)	ND (0.12)	--
Aroclor 1248	SW8082A	ND (0.032)	ND (0.034)	ND (0.040)	ND (0.092)	ND (0.16)	ND (0.17)	-- R	ND (0.12)	--
Aroclor 1254	SW8082A	ND (0.032)	ND (0.034)	ND (0.040)	0.21	ND (0.16)	ND (0.17)	-- R	ND (0.12)	--
Aroclor 1260	SW8082A	ND (0.032)	ND (0.034)	ND (0.040)	1.09	0.73	0.153 J	0.135 J	0.0884 J	--
Total PCB Aroclors (ND = 0 max limit)		ND (0.026)	ND (0.028)	ND (0.03)	1.3	0.73	0.153 J	0.135 J	0.0884 J	--

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-H-8-9-230902-00-01 9/2/2023 0–1 ft	SE-H-8-9-230902-01-02 9/2/2023 1–2 ft	SE-H-8-9-230902-02-03 9/2/2023 2–3 ft	SE-H-I-3-230826-00-01 8/26/2023 0–1 ft	SE-H-I-3-230826-01-02 8/26/2023 1–2 ft	SE-H-I-3-230826-02-03 8/26/2023 2–3 ft	SE-H-I-3-230826-03-04 8/26/2023 3–4 ft	SE-H-I-3-230826-04-05 8/26/2023 4–5 ft	SE-H-I-3-230826-05-06 8/26/2023 5–6 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	30.6	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	Non-plastic	--	--	Non-plastic	--	--	--	--
Plasticity index	D4318	--	Non-plastic	--	--	Non-plastic	--	--	--	--
Specific gravity	D1429	--	1.1	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	Non-plastic	--	--	--	--
Liquidity Index	D4318	--	Non-plastic	--	--	Non-plastic	--	--	--	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	432	--	--	255	--	--	--	--
Total solids	SM2540D	18	20.7	15.3	30	32.9	47.3	56.4	61.6	61.2
Total solids	SM2540E	--	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	9.4	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	0	--	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	34	--	--	20	--	--	--	--
Percent passing (hydrometer 2)	D422	--	12	--	--	7	--	--	--	--
Percent passing (hydrometer 3)	D422	--	2.5	--	--	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	--	85.4	--	--	40.2	--	--	--	--
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	--	88.4	--	--	58.7	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	74.9	--	--	30.4	--	--	--	--
Percent passing 8.0-micron	D422	--	100	--	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.7	--	--	93	--	--	--	--
Percent retained 30-micron sieve	D422	--	91.8	--	--	80.8	--	--	--	--
Sand	D422	--	25.1	--	--	69.6	--	--	--	--
Silt	D422	--	74.9	--	--	30.4	--	--	--	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.11)	ND (0.093)	ND (0.13)	ND (0.064)	ND (0.061)	ND (0.041)	ND (0.035)	ND (0.032)	ND (0.032)
Aroclor 1221	SW8082A	ND (0.11)	ND (0.093)	ND (0.13)	ND (0.064)	ND (0.061)	ND (0.041)	ND (0.035)	ND (0.032)	ND (0.032)
Aroclor 1232	SW8082A	ND (0.11)	ND (0.093)	ND (0.13)	ND (0.064)	ND (0.061)	ND (0.041)	ND (0.035)	ND (0.032)	ND (0.032)
Aroclor 1242	SW8082A	ND (0.11)	ND (0.093)	ND (0.13)	ND (0.064)	ND (0.061)	ND (0.041)	ND (0.035)	ND (0.032)	ND (0.032)
Aroclor 1248	SW8082A	ND (0.11)	ND (0.093)	ND (0.13)	ND (0.064)	ND (0.061)	ND (0.041)	ND (0.035)	ND (0.032)	ND (0.032)
Aroclor 1254	SW8082A	ND (0.11)	8.44	ND (0.13)	ND (0.064)	ND (0.061)	ND (0.041)	ND (0.035)	ND (0.032)	ND (0.032)
Aroclor 1260	SW8082A	6.77	21.1	0.473	0.227	3.84	0.0725	0.0138 J	ND (0.032)	ND (0.032)
Total PCB Aroclors (ND = 0 max limit)		6.77	29.5	0.473	0.227	3.84	0.0725	0.0138 J	ND (0.026)	ND (0.027)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-H-I-3-230826-06-07 8/26/2023 6–7 ft	SE-H-I-3-230826-07-08 8/26/2023 7–8 ft	SE-H-I-3-4-230826-00-01 8/26/2023 0–1 ft	SE-H-I-3-4-230826-01-02 8/26/2023 1–2 ft	SE-H-I-3-4-230826-02-03 8/26/2023 2–3 ft	SE-H-I-3-4-230826-03-04 8/26/2023 3–4 ft	SE-H-I-3-4-230826-04-05 8/26/2023 4–5 ft	SE-H-I-3-4-230826-05-06 8/26/2023 5–6 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	5.9	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	--	--	--	--
Plasticity index	D4318	--	Non-plastic	--	--	--	--	--	--
Specific gravity	D1429	--	1.8	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	--	--	--
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	41.9	--	--	--	--	--	--
Total solids	SM2540D	62.8	71.9	24.7	33.8	30.7	44.3	38.9	46.3
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	42	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	17	--	--	--	--	--	--
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	--	46.9	--	--	--	--	--	--
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	--	61.9	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	37.5	--	--	--	--	--	--
Percent passing 8.0-micron	D422	--	100	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	95.1	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	84.8	--	--	--	--	--	--
Sand	D422	--	62.5	--	--	--	--	--	--
Silt	D422	--	37.5	--	--	--	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.031)	ND (0.027)	ND (0.078)	ND (0.059)	ND (0.063)	ND (0.043)	ND (0.050)	ND (0.043)
Aroclor 1221	SW8082A	ND (0.031)	ND (0.027)	ND (0.078)	ND (0.059)	ND (0.063)	ND (0.043)	ND (0.050)	ND (0.043)
Aroclor 1232	SW8082A	ND (0.031)	ND (0.027)	ND (0.078)	ND (0.059)	ND (0.063)	ND (0.043)	ND (0.050)	ND (0.043)
Aroclor 1242	SW8082A	ND (0.031)	ND (0.027)	ND (0.078)	ND (0.059)	ND (0.063)	ND (0.043)	ND (0.050)	ND (0.043)
Aroclor 1248	SW8082A	ND (0.031)	ND (0.027)	ND (0.078)	ND (0.059)	ND (0.063)	ND (0.043)	ND (0.050)	ND (0.043)
Aroclor 1254	SW8082A	ND (0.031)	ND (0.027)	ND (0.078)	ND (0.059)	ND (0.063)	ND (0.043)	ND (0.050)	ND (0.043)
Aroclor 1260	SW8082A	ND (0.031)	ND (0.027)	0.276	0.688	0.145	0.0796	ND (0.050)	ND (0.043)
Total PCB Aroclors (ND = 0 max limit)		ND (0.025)	ND (0.022)	0.276	0.688	0.145	0.0796	ND (0.04)	ND (0.036)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-H-I-3-4-230826-06-07 8/26/2023 6–7 ft	SE-H-I-3-4-230826-07-08 8/26/2023 7–8 ft	SE-H-I-4-5-230827-00-01 8/27/2023 0–1 ft	SE-H-I-4-5-230827-01-02 8/27/2023 1–2 ft	SE-H-I-4-5-230827-02-03 8/27/2023 2–3 ft	SE-H-I-4-5-230827-03-04 8/27/2023 3–4 ft	SE-H-I-4-5-230827-04-05 8/27/2023 4–5 ft	SE-H-I-4-5-230827-05-06 8/27/2023 5–6 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--
Plasticity index	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--
Liquidity Index	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	70.1	--	--	--	76.7	--	--
Total solids	SM2540D	69.4	--	28.6	30.2	42.3	58.3	46.9	62.8
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	30	--	--	--	58	--	--
Percent passing (hydrometer 2)	D422	--	5.5	--	--	--	20	--	--
Percent passing (hydrometer 3)	D422	--	3.3	--	--	--	11	--	--
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	--	55.6	--	--	--	76.9	--	--
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	--	64.8	--	--	--	85.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	49.9	--	--	--	74.8	--	--
Percent passing 8.0-micron	D422	--	100	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	92.1	--	--	--	99.8	--	--
Percent retained 30-micron sieve	D422	--	76	--	--	--	94.3	--	--
Sand	D422	--	50.1	--	--	--	25.2	--	--
Silt	D422	--	49.9	--	--	--	74.8	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.028)	--	ND (0.070)	ND (0.066)	ND (0.045)	ND (0.034)	ND (0.041)	ND (0.031)
Aroclor 1221	SW8082A	ND (0.028)	--	ND (0.070)	ND (0.066)	ND (0.045)	ND (0.034)	ND (0.041)	ND (0.031)
Aroclor 1232	SW8082A	ND (0.028)	--	ND (0.070)	ND (0.066)	ND (0.045)	ND (0.034)	ND (0.041)	ND (0.031)
Aroclor 1242	SW8082A	ND (0.028)	--	ND (0.070)	ND (0.066)	ND (0.045)	ND (0.034)	ND (0.041)	ND (0.031)
Aroclor 1248	SW8082A	ND (0.028)	--	ND (0.070)	ND (0.066)	ND (0.045)	ND (0.034)	ND (0.041)	ND (0.031)
Aroclor 1254	SW8082A	ND (0.028)	--	ND (0.070)	ND (0.066)	ND (0.045)	ND (0.034)	ND (0.041)	ND (0.031)
Aroclor 1260	SW8082A	ND (0.028)	--	2.48	0.775	0.599	ND (0.034)	ND (0.041)	ND (0.031)
Total PCB Aroclors (ND = 0 max limit)		ND (0.023)	--	2.48	0.775	0.599	ND (0.028)	ND (0.034)	ND (0.025)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-H-I-4-5-230827-06-07 8/27/2023 6–7 ft	SE-H-I-4-5-230827-07-08 8/27/2023 7–8 ft	SE-H-I-4-5-BD0001 8/27/2023 6–7 ft	SE-H-I-5-6-230827-00-01 8/27/2023 0–1 ft	SE-H-I-5-6-230827-01-02 8/27/2023 1–2 ft	SE-H-I-5-6-230827-02-03 8/27/2023 2–3 ft	SE-H-I-5-6-230827-03-04 8/27/2023 3–4 ft	SE-H-I-5-6-230827-04-05 8/27/2023 4–5 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	10
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Plasticity index	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Specific gravity	D1429	--	--	--	--	--	--	--	1.5
Liquid limit	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	--	Non-plastic
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	114	--	--	--	--	--	71
Total solids	SM2540D	65.3	--	45.3	28.5	37.1	51	64.7	58.5
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	31
Grain Size (pct)									
Gravel	D422	--	0	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	46	--	--	--	--	--	20
Percent passing (hydrometer 2)	D422	--	8.7	--	--	--	--	--	8
Percent passing (hydrometer 3)	D422	--	2.8	--	--	--	--	--	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	--	65.2	--	--	--	--	--	59
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	--	83	--	--	--	--	--	71.4
Percent passing 75-micron sieve (No. 200)	D422	--	54.5	--	--	--	--	--	49.7
Percent passing 8.0-micron	D422	--	100	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	99.9	--	--	--	--	--	99.7
Percent retained 30-micron sieve	D422	--	90.8	--	--	--	--	--	93.1
Sand	D422	--	45.5	--	--	--	--	--	50.3
Silt	D422	--	54.5	--	--	--	--	--	49.7
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.030)	--	ND (0.042)	ND (0.070)	ND (0.052)	ND (0.039)	ND (0.030)	ND (0.033)
Aroclor 1221	SW8082A	ND (0.030)	--	ND (0.042)	ND (0.070)	ND (0.052)	ND (0.039)	ND (0.030)	ND (0.033)
Aroclor 1232	SW8082A	ND (0.030)	--	ND (0.042)	ND (0.070)	ND (0.052)	ND (0.039)	ND (0.030)	ND (0.033)
Aroclor 1242	SW8082A	ND (0.030)	--	ND (0.042)	ND (0.070)	ND (0.052)	ND (0.039)	ND (0.030)	ND (0.033)
Aroclor 1248	SW8082A	ND (0.030)	--	ND (0.042)	ND (0.070)	ND (0.052)	ND (0.039)	ND (0.030)	ND (0.033)
Aroclor 1254	SW8082A	ND (0.030)	--	ND (0.042)	ND (0.070)	ND (0.052)	ND (0.039)	ND (0.030)	ND (0.033)
Aroclor 1260	SW8082A	ND (0.030)	--	ND (0.042)	1.02	0.43	0.0253 J	ND (0.030)	ND (0.033)
Total PCB Aroclors (ND = 0 max limit)		ND (0.03)	--	ND (0.035)	1.02	0.43	0.0253 J	ND (0.03)	ND (0.027)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-H-I-5-6-230827-05-06 8/27/2023 5–6 ft	SE-H-I-5-6-230827-06-07 8/27/2023 6–7 ft	SE-H-I-6-7-230827-00-01 8/27/2023 0–1 ft	SE-H-I-6-7-230827-01-02 8/27/2023 1–2 ft	SE-H-I-6-7-230827-02-03 8/27/2023 2–3 ft	SE-H-I-6-7-230827-03-04 8/27/2023 3–4 ft	SE-H-I-6-7-230827-04-05 8/27/2023 4–5 ft	SE-H-I-6-7-230827-05-06 8/27/2023 5–6 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	Non-plastic	--	--	--
Plasticity index	D4318	--	--	--	--	Non-plastic	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	Non-plastic	--	--	--
Liquidity Index	D4318	--	--	--	--	Non-plastic	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	419	--	--	--
Total solids	SM2540D	55.4	60.7	27.5	21.7	17.9	24.2	29.1	34.3
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	40	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	10	--	--	--
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	--	--	--	--	57.2	--	--	--
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	--	--	--	--	72	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	49.8	--	--	--
Percent passing 8.0-micron	D422	--	--	--	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	97.9	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	89.6	--	--	--
Sand	D422	--	--	--	--	50.2	--	--	--
Silt	D422	--	--	--	--	49.8	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.036)	ND (0.033)	ND (0.070)	ND (0.092)	ND (0.11)	ND (0.083)	ND (0.066)	ND (0.058)
Aroclor 1221	SW8082A	ND (0.036)	ND (0.033)	ND (0.070)	ND (0.092)	ND (0.11)	ND (0.083)	ND (0.066)	ND (0.058)
Aroclor 1232	SW8082A	ND (0.036)	ND (0.033)	ND (0.070)	ND (0.092)	ND (0.11)	ND (0.083)	ND (0.066)	ND (0.058)
Aroclor 1242	SW8082A	ND (0.036)	ND (0.033)	ND (0.070)	ND (0.092)	ND (0.11)	ND (0.083)	ND (0.066)	ND (0.058)
Aroclor 1248	SW8082A	ND (0.036)	ND (0.033)	ND (0.070)	ND (0.092)	ND (0.11)	ND (0.083)	ND (0.066)	ND (0.058)
Aroclor 1254	SW8082A	ND (0.036)	ND (0.033)	ND (0.070)	ND (0.092)	ND (0.11)	ND (0.083)	ND (0.066)	ND (0.058)
Aroclor 1260	SW8082A	ND (0.036)	ND (0.033)	0.956	0.409	0.103 J	ND (0.083)	ND (0.066)	ND (0.058)
Total PCB Aroclors (ND = 0 max limit)		ND (0.030)	ND (0.027)	0.956	0.409	0.103 J	ND (0.069)	ND (0.055)	ND (0.048)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-H-I-6-7-230827-06-07 8/27/2023 6–7 ft	SE-H-I-9-10-230827-00-01 8/27/2023 0–1 ft	SE-H-I-9-10-230827-01-02 8/27/2023 1–2 ft	SE-H-I-9-10-230827-02-03 8/27/2023 2–3 ft	SE-H-I-9-10-230827-03-04 8/27/2023 3–4 ft	SE-H-I-9-10-230827-04-05 8/27/2023 4–5 ft	SE-H-I-9-10-230827-05-5.5 8/27/2023 5–5.5 ft	SE-I-1-2-230913-00-01 9/13/2023 0–1 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	Non-plastic	--	--	--	--	--
Plasticity index	D4318	--	--	Non-plastic	--	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	Non-plastic	--	--	--	--	--
Liquidity Index	D4318	--	--	Non-plastic	--	--	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	157	--	--	--	--	--
Total solids	SM2540D	52.8	18.1	31.3	40.3	46.7	24	37.1	--
Total solids	SM2540E	--	--	--	--	--	--	--	32.1
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	43	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	21	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	11	--	--	--	--	--
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	--	--	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	--	--	74.4	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	46.6	--	--	--	--	--
Percent passing 8.0-micron	D422	--	--	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	97.4	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	83.2	--	--	--	--	--
Sand	D422	--	--	53.4	--	--	--	--	--
Silt	D422	--	--	46.6	--	--	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.036)	ND (0.11)	ND (0.064)	ND (0.049)	ND (0.041)	ND (0.083)	ND (0.054)	ND (0.062)
Aroclor 1221	SW8082A	ND (0.036)	ND (0.11)	ND (0.064)	ND (0.049)	ND (0.041)	ND (0.083)	ND (0.054)	ND (0.062)
Aroclor 1232	SW8082A	ND (0.036)	ND (0.11)	ND (0.064)	ND (0.049)	ND (0.041)	ND (0.083)	ND (0.054)	ND (0.062)
Aroclor 1242	SW8082A	ND (0.036)	ND (0.11)	ND (0.064)	ND (0.049)	ND (0.041)	ND (0.083)	ND (0.054)	ND (0.062)
Aroclor 1248	SW8082A	ND (0.036)	ND (0.11)	-- R	ND (0.049)	ND (0.041)	ND (0.083)	ND (0.054)	ND (0.062)
Aroclor 1254	SW8082A	ND (0.036)	ND (0.11)	-- R	ND (0.049)	ND (0.041)	ND (0.083)	0.0078 J	ND (0.062)
Aroclor 1260	SW8082A	ND (0.036)	0.916	0.135 J	ND (0.049)	ND (0.041)	ND (0.083)	ND (0.054)	5.97
Total PCB Aroclors (ND = 0 max limit)		ND (0.030)	0.916	0.135 J	ND (0.040)	ND (0.034)	ND (0.069)	0.0078 J	5.97

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-I-1-2-230913-01-02 9/13/2023 1–2 ft	SE-I-1-2-230913-02-03 9/13/2023 2–3 ft	SE-I-1-2-230913-03-04 9/13/2023 3–4 ft	SE-I-3-230829-00-01 8/29/2023 0–1 ft	SE-I-3-230829-01-02 8/29/2023 1–2 ft	SE-I-3-230829-02-03 8/29/2023 2–3 ft	SE-I-3-230829-03-04 8/29/2023 3–4 ft	SE-I-3-230829-04-05 8/29/2023 4–5 ft	SE-I-3-230829-05-06 8/29/2023 5–6 ft	SE-I-3-230829-06-07 8/29/2023 6–7 ft
Chemical											
Conventional Parameters (percent)											
Organic Content	D2974	--	17.4	--	--	--	5.2	--	--	--	--
Conventional Parameters (unitless)											
Plastic limit	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--	--	Non-plastic
Plasticity index	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--	--	Non-plastic
Specific gravity	D1429	--	1.4	--	--	--	1.7	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--	--	Non-plastic
Liquidity Index	D4318	--	Non-plastic	--	--	--	Non-plastic	--	--	--	Non-plastic
Conventional Parameters (percent)											
Moisture (water) content	D2216	--	159	--	--	--	49.1	--	--	--	58.2
Total solids	SM2540D	--	--	--	--	--	--	--	--	--	--
Total solids	SM2540E	32.2	--	--	23.6	28.8	74.8	66	38.8	59.8	--
Total solids	SM2540G	--	40.3	70.4	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)											
Density (bulk)	D2937	--	31	--	--	--	56	--	--	--	--
Grain Size (pct)											
Gravel	D422	--	0	--	--	--	0	--	--	--	0
Percent passing (hydrometer 1)	D422	--	48	--	--	--	50	--	--	--	36
Percent passing (hydrometer 2)	D422	--	16	--	--	--	21	--	--	--	11
Percent passing (hydrometer 3)	D422	--	9	--	--	--	11	--	--	--	4.4
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	--	--	100	--	--	--	100
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	--	--	100	--	--	--	100
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	--	--	100	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	63.3	--	--	--	90.6	--	--	--	72.6
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	--	--	100	--	--	--	100
Percent passing 3 inch (3-inch sieve)	D422	--	100	--	--	--	100	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	--	--	100	--	--	--	100
Percent passing 50-micron sieve	D422	--	68.7	--	--	--	95.7	--	--	--	87.8
Percent passing 75-micron sieve (No. 200)	D422	--	56.7	--	--	--	70.1	--	--	--	48.9
Percent passing 8.0-micron	D422	--	100	--	--	--	100	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	97.6	--	--	--	100	--	--	--	100
Percent retained 30-micron sieve	D422	--	76.3	--	--	--	97.5	--	--	--	97.7
Sand	D422	--	43.3	--	--	--	29.9	--	--	--	51.1
Silt	D422	--	56.7	--	--	--	70.1	--	--	--	48.9
PCB Aroclors (mg/kg)											
Aroclor 1016	SW8082A	ND (0.061)	ND (0.050)	ND (0.028)	ND (0.081)	ND (0.068)	ND (0.027)	ND (0.030)	ND (0.052)	ND (0.033)	--
Aroclor 1221	SW8082A	ND (0.061)	ND (0.050)	ND (0.028)	ND (0.081)	ND (0.068)	ND (0.027)	ND (0.030)	ND (0.052)	ND (0.033)	--
Aroclor 1232	SW8082A	ND (0.061)	ND (0.050)	ND (0.028)	ND (0.081)	ND (0.068)	ND (0.027)	ND (0.030)	ND (0.052)	ND (0.033)	--
Aroclor 1242	SW8082A	ND (0.061)	ND (0.050)	ND (0.028)	ND (0.081)	ND (0.068)	ND (0.027)	ND (0.030)	ND (0.052)	ND (0.033)	--
Aroclor 1248	SW8082A	ND (0.061)	1.14	ND (0.028)	ND (0.081)	ND (0.068)	ND (0.027)	ND (0.030)	ND (0.052)	ND (0.033)	--
Aroclor 1254	SW8082A	ND (0.061)	ND (0.050)	ND (0.028)	0.825	0.53	ND (0.027)	ND (0.030)	ND (0.052)	ND (0.033)	--
Aroclor 1260	SW8082A	17.4	7.94	0.0314	5.04	1.61	0.0143 J	0.123	ND (0.052)	ND (0.033)	--
Total PCB Aroclors (ND = 0 max limit)		17.4	9.08	0.0314	5.87	2.1	0.0143 J	0.123	ND (0.043)	ND (0.027)	--

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-I-4-230829-00-01 8/29/2023 0–1 ft	SE-I-4-230829-01-02 8/29/2023 1–2 ft	SE-I-4-230829-02-03 8/29/2023 2–3 ft	SE-I-4-230829-03-04 8/29/2023 3–4 ft	SE-I-4-230829-04-05 8/29/2023 4–5 ft	SE-I-4-230829-05-06 8/29/2023 5–6 ft	SE-I-4-230829-06-07 8/29/2023 6–7 ft	SE-I-4-BD0001 8/29/2023 1–2 ft	SE-I-6-7-230830-00-01 8/30/2023 0–1 ft	SE-I-6-7-230830-01-02 8/30/2023 1–2 ft
Chemical											
Conventional Parameters (percent)											
Organic Content	D2974	--	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)											
Plastic limit	D4318	Non-plastic	--	--	--	Non-plastic	--	--	--	--	--
Plasticity index	D4318	Non-plastic	--	--	--	Non-plastic	--	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	Non-plastic	--	--	--	Non-plastic	--	--	--	--	--
Liquidity Index	D4318	Non-plastic	--	--	--	Non-plastic	--	--	--	--	--
Conventional Parameters (percent)											
Moisture (water) content	D2216	305	--	--	--	71.1	--	--	--	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--	--	--
Total solids	SM2540E	22.3	28	36.1	59.7	63.9	71	62.7	24.5	15.5	18.3
Total solids	SM2540G	--	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)											
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--	--
Grain Size (pct)											
Gravel	D422	0	--	--	--	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	44	--	--	--	37	--	--	--	--	--
Percent passing (hydrometer 2)	D422	21	--	--	--	17	--	--	--	--	--
Percent passing (hydrometer 3)	D422	11	--	--	--	8.1	--	--	--	--	--
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	70.5	--	--	--	81.9	--	--	--	--	--
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	86.7	--	--	--	90.4	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	56.1	--	--	--	58.8	--	--	--	--	--
Percent passing 8.0-micron	D422	100	--	--	--	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	98.2	--	--	--	99.6	--	--	--	--	--
Percent retained 30-micron sieve	D422	93.9	--	--	--	94.4	--	--	--	--	--
Sand	D422	43.9	--	--	--	41.2	--	--	--	--	--
Silt	D422	56.1	--	--	--	58.8	--	--	--	--	--
PCB Aroclors (mg/kg)											
Aroclor 1016	SW8082A	ND (0.086)	ND (0.070)	ND (0.054)	ND (0.032)	ND (0.031)	ND (0.027)	ND (0.031)	ND (0.078)	ND (0.13)	ND (0.11)
Aroclor 1221	SW8082A	ND (0.086)	ND (0.070)	ND (0.054)	ND (0.032)	ND (0.031)	ND (0.027)	ND (0.031)	ND (0.078)	ND (0.13)	ND (0.11)
Aroclor 1232	SW8082A	ND (0.086)	ND (0.070)	ND (0.054)	ND (0.032)	ND (0.031)	ND (0.027)	ND (0.031)	ND (0.078)	ND (0.13)	ND (0.11)
Aroclor 1242	SW8082A	ND (0.086)	ND (0.070)	ND (0.054)	ND (0.032)	ND (0.031)	ND (0.027)	ND (0.031)	ND (0.078)	ND (0.13)	ND (0.11)
Aroclor 1248	SW8082A	ND (0.086)	ND (0.070)	ND (0.054)	ND (0.032)	ND (0.031)	ND (0.027)	ND (0.031)	ND (0.078)	ND (0.13)	ND (0.11)
Aroclor 1254	SW8082A	ND (0.086)	4.17 J	ND (0.054)	ND (0.032)	ND (0.031)	ND (0.027)	ND (0.031)	1.07 J	0.213	ND (0.11)
Aroclor 1260	SW8082A	1.78	11.5 J	0.13	ND (0.032)	ND (0.031)	ND (0.027)	ND (0.031)	3.75 J	1.14	0.0463 J
Total PCB Aroclors (ND = 0 max limit)		1.78	15.7 J	0.13	ND (0.027)	ND (0.025)	ND (0.022)	ND (0.026)	4.82 J	1.35	0.0463 J

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-I-6-7-230830-02-03 8/30/2023 2–3 ft	SE-I-6-7-230830-03-04 8/30/2023 3–4 ft	SE-I-6-7-230830-04-05 8/30/2023 4–5 ft	SE-I-6-7-230830-05-5.5 8/30/2023 5–5.5 ft	SE-I-J-2-230828-00-01 8/28/2023 0–1 ft	SE-I-J-2-230828-01-02 8/28/2023 1–2 ft	SE-I-J-2-230828-02-03 8/28/2023 2–3 ft	SE-I-J-2-230828-03-04 8/28/2023 3–4 ft	SE-I-J-2-230828-04-05 8/28/2023 4–5 ft
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	Non-plastic	--	--	--	--	Non-plastic	--	--
Plasticity index	D4318	--	Non-plastic	--	--	--	--	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	--	Non-plastic	--	--
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	Non-plastic	--	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	572	--	--	--	--	53.7	--	--
Total solids	SM2540D	--	--	--	--	56	75.3	64.9	68.1	68.6
Total solids	SM2540E	16	14.8	41.7	54.2	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	0	--	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	42	--	--	--	--	27	--	--
Percent passing (hydrometer 2)	D422	--	16	--	--	--	--	11	--	--
Percent passing (hydrometer 3)	D422	--	6.8	--	--	--	--	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	--	73.2	--	--	--	--	46.9	--	--
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	--	80.1	--	--	--	--	86	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	56.4	--	--	--	--	31.9	--	--
Percent passing 8.0-micron	D422	--	100	--	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	98.5	--	--	--	--	99.9	--	--
Percent retained 30-micron sieve	D422	--	86.7	--	--	--	--	97.2	--	--
Sand	D422	--	43.6	--	--	--	--	68.1	--	--
Silt	D422	--	56.4	--	--	--	--	31.9	--	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.035)	ND (0.036)	ND (0.027)	ND (0.030)	ND (0.029)	ND (0.029)
Aroclor 1221	SW8082A	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.035)	ND (0.036)	ND (0.027)	ND (0.030)	ND (0.029)	ND (0.029)
Aroclor 1232	SW8082A	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.035)	ND (0.036)	ND (0.027)	ND (0.030)	ND (0.029)	ND (0.029)
Aroclor 1242	SW8082A	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.035)	ND (0.036)	ND (0.027)	ND (0.030)	ND (0.029)	ND (0.029)
Aroclor 1248	SW8082A	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.035)	ND (0.036)	ND (0.027)	ND (0.030)	ND (0.029)	ND (0.029)
Aroclor 1254	SW8082A	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.035)	ND (0.036)	ND (0.027)	ND (0.030)	ND (0.029)	ND (0.029)
Aroclor 1260	SW8082A	ND (0.13)	ND (0.13)	ND (0.046)	ND (0.035)	0.042	ND (0.027)	ND (0.030)	ND (0.029)	ND (0.029)
Total PCB Aroclors (ND = 0 max limit)		ND (0.10)	ND (0.11)	ND (0.038)	ND (0.029)	0.042	ND (0.022)	ND (0.03)	ND (0.024)	ND (0.024)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-I-J-2-230828-05-06 8/28/2023 5–6 ft	SE-I-J-2-230828-07-08 8/28/2023 7–8 ft	SE-I-J-3-4-230828-00-01 8/28/2023 0–1 ft	SE-I-J-3-4-230828-01-02 8/28/2023 1–2 ft	SE-I-J-3-4-230828-02-03 8/28/2023 2–3 ft	SE-I-J-3-4-230828-03-04 8/28/2023 3–4 ft	SE-I-J-3-4-230828-04-05 8/28/2023 4–5 ft	SE-I-J-4-5-230829-00-01 8/29/2023 0–1 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	Non-plastic	--	Non-plastic	--	--	--	--
Plasticity index	D4318	--	Non-plastic	--	Non-plastic	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	Non-plastic	--	--	--	--
Liquidity Index	D4318	--	Non-plastic	--	Non-plastic	--	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	57.3	--	297	--	--	--	--
Total solids	SM2540D	62.2	--	19.6	31.1	71.1	69.3	44.5	--
Total solids	SM2540E	--	--	--	--	--	--	--	21.6
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	0	--	0	--	--	--	--
Percent passing (hydrometer 1)	D422	--	21	--	45	--	--	--	--
Percent passing (hydrometer 2)	D422	--	4.5	--	17	--	--	--	--
Percent passing (hydrometer 3)	D422	--	0.9	--	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	--	64.7	--	64.9	--	--	--	--
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	--	80.4	--	73.8	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	55.5	--	52.5	--	--	--	--
Percent passing 8.0-micron	D422	--	100	--	100	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	99.7	--	98.9	--	--	--	--
Percent retained 30-micron sieve	D422	--	91.6	--	82.4	--	--	--	--
Sand	D422	--	44.5	--	47.5	--	--	--	--
Silt	D422	--	55.5	--	52.5	--	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.032)	--	ND (0.098)	ND (0.063)	ND (0.028)	ND (0.028)	ND (0.045)	ND (0.089)
Aroclor 1221	SW8082A	ND (0.032)	--	ND (0.098)	ND (0.063)	ND (0.028)	ND (0.028)	ND (0.045)	ND (0.089)
Aroclor 1232	SW8082A	ND (0.032)	--	ND (0.098)	ND (0.063)	ND (0.028)	ND (0.028)	ND (0.045)	ND (0.089)
Aroclor 1242	SW8082A	ND (0.032)	--	ND (0.098)	ND (0.063)	ND (0.028)	ND (0.028)	ND (0.045)	ND (0.089)
Aroclor 1248	SW8082A	ND (0.032)	--	ND (0.098)	ND (0.063)	ND (0.028)	ND (0.028)	ND (0.045)	ND (0.089)
Aroclor 1254	SW8082A	ND (0.032)	--	ND (0.098)	ND (0.063)	ND (0.028)	ND (0.028)	ND (0.045)	ND (0.089)
Aroclor 1260	SW8082A	ND (0.032)	--	2.42	0.251	0.102	ND (0.028)	ND (0.045)	7.39
Total PCB Aroclors (ND = 0 max limit)		ND (0.027)	--	2.42	0.251	0.102	ND (0.023)	ND (0.037)	7.39

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-I-J-4-5-230829-01-02 8/29/2023 1–2 ft	SE-I-J-4-5-230829-02-03 8/29/2023 2–3 ft	SE-I-J-4-5-230829-03-04 8/29/2023 3–4 ft	SE-I-J-4-5-230829-04-05 8/29/2023 4–5 ft	SE-I-J-4-5-230829-05-06 8/29/2023 5–6 ft	SE-I-J-5-6-230829-00-01 8/29/2023 0–1 ft	SE-I-J-5-6-230829-01-02 8/29/2023 1–2 ft	SE-I-J-5-6-230829-02-03 8/29/2023 2–3 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	10.8	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	Non-plastic	--	Non-plastic	--	--	--
Plasticity index	D4318	--	--	Non-plastic	--	Non-plastic	--	--	--
Specific gravity	D1429	--	--	--	--	1.5	--	--	--
Liquid limit	D4318	--	--	Non-plastic	--	Non-plastic	--	--	--
Liquidity Index	D4318	--	--	Non-plastic	--	Non-plastic	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	53.3	--	79.9	--	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	42.4	58.5	72.1	51.9	62.6	25.6	64.5	58.2
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	28	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	0	--	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	58	--	51	--	--	--
Percent passing (hydrometer 2)	D422	--	--	21	--	15	--	--	--
Percent passing (hydrometer 3)	D422	--	--	10	--	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	--	--	76	--	81.3	--	--	--
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	--	--	85.6	--	89.3	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	60.2	--	58.9	--	--	--
Percent passing 8.0-micron	D422	--	--	100	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	99	--	99.8	--	--	--
Percent retained 30-micron sieve	D422	--	--	94.5	--	94.4	--	--	--
Sand	D422	--	--	39.8	--	41.1	--	--	--
Silt	D422	--	--	60.2	--	58.9	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.046)	ND (0.034)	ND (0.027)	ND (0.038)	ND (0.031)	ND (0.078)	ND (0.031)	ND (0.034)
Aroclor 1221	SW8082A	ND (0.046)	ND (0.034)	ND (0.027)	ND (0.038)	ND (0.031)	ND (0.078)	ND (0.031)	ND (0.034)
Aroclor 1232	SW8082A	ND (0.046)	ND (0.034)	ND (0.027)	ND (0.038)	ND (0.031)	ND (0.078)	ND (0.031)	ND (0.034)
Aroclor 1242	SW8082A	ND (0.046)	ND (0.034)	ND (0.027)	ND (0.038)	ND (0.031)	ND (0.078)	ND (0.031)	ND (0.034)
Aroclor 1248	SW8082A	ND (0.046)	ND (0.034)	ND (0.027)	ND (0.038)	ND (0.031)	ND (0.078)	ND (0.031)	ND (0.034)
Aroclor 1254	SW8082A	ND (0.046)	ND (0.034)	ND (0.027)	ND (0.038)	ND (0.031)	ND (0.078)	ND (0.031)	ND (0.034)
Aroclor 1260	SW8082A	0.147	0.0844	ND (0.027)	ND (0.038)	ND (0.031)	1.51	ND (0.031)	ND (0.034)
Total PCB Aroclors (ND = 0 max limit)		0.147	0.0844	ND (0.023)	ND (0.031)	ND (0.026)	1.51	ND (0.026)	ND (0.029)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-I-J-5-6-230829-03-04 8/29/2023 3–4 ft	SE-I-J-5-6-230829-04-05 8/29/2023 4–5 ft	SE-I-J-5-6-230829-05-06 8/29/2023 5–6 ft	SE-I-J-7-8-230913-00-01 9/13/2023 0–1 ft	SE-I-J-7-8-230913-01-02 9/13/2023 1–2 ft	SE-I-J-7-8-230913-02-03 9/13/2023 2–3 ft	SE-I-J-8-9-230913-00-01 9/13/2023 0–1 ft	SE-I-J-8-9-230913-01-02 9/13/2023 1–2 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	42	--	Non-plastic	--	127	--	--	--
Plasticity index	D4318	8.9	--	Non-plastic	--	14.7	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	50.9	--	Non-plastic	--	141.7	--	--	--
Liquidity Index	D4318	3.3	--	Non-plastic	--	17.6	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	56	--	55	--	404	--	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	63.5	50.1	65.8	18.3	21	--	15.7	19.2
Total solids	SM2540G	--	--	--	--	--	20.2	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	0	--	0	--	0	--	--	--
Percent passing (hydrometer 1)	D422	57	--	43	--	44	--	--	--
Percent passing (hydrometer 2)	D422	16	--	11	--	13	--	--	--
Percent passing (hydrometer 3)	D422	6.7	--	6.2	--	7	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	--	100	--	100	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	--	100	--	100	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	--	100	--	100	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	81.4	--	81	--	56.7	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	100	--	100	--	100	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	100	--	100	--	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	100	--	100	--	100	--	--	--
Percent passing 50-micron sieve	D422	90.5	--	89.6	--	64.6	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	64.1	--	67.5	--	51	--	--	--
Percent passing 8.0-micron	D422	100	--	100	--	100	--	--	--
Percent retained 16,000-micron sieve	D422	99.5	--	99.4	--	97	--	--	--
Percent retained 30-micron sieve	D422	95.8	--	96.6	--	74	--	--	--
Sand	D422	35.9	--	32.5	--	49	--	--	--
Silt	D422	64.1	--	67.5	--	51	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.031)	ND (0.038)	ND (0.029)	ND (0.11)	ND (0.095)	ND (0.092)	ND (0.12)	ND (0.10)
Aroclor 1221	SW8082A	ND (0.031)	ND (0.038)	ND (0.029)	ND (0.11)	ND (0.095)	ND (0.092)	ND (0.12)	ND (0.10)
Aroclor 1232	SW8082A	ND (0.031)	ND (0.038)	ND (0.029)	ND (0.11)	ND (0.095)	ND (0.092)	ND (0.12)	ND (0.10)
Aroclor 1242	SW8082A	ND (0.031)	ND (0.038)	ND (0.029)	ND (0.11)	ND (0.095)	ND (0.092)	ND (0.12)	ND (0.10)
Aroclor 1248	SW8082A	ND (0.031)	ND (0.038)	ND (0.029)	ND (0.11)	ND (0.095)	0.722	ND (0.12)	ND (0.10)
Aroclor 1254	SW8082A	ND (0.031)	ND (0.038)	ND (0.029)	ND (0.11)	ND (0.095)	ND (0.092)	ND (0.12)	ND (0.10)
Aroclor 1260	SW8082A	ND (0.031)	ND (0.038)	ND (0.029)	2.09	10.2	6.07	1.74	4.98
Total PCB Aroclors (ND = 0 max limit)		ND (0.026)	ND (0.032)	ND (0.024)	2.09	10.2	6.79	1.74	4.98

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-I-J-8-9-230913-02-03 9/13/2023 2–3 ft	SE-I-J-9-10-230902-00-01 9/2/2023 0–1 ft	SE-I-J-9-10-230902-01-02 9/2/2023 1–2 ft	SE-I-J-9-10-230902-02-03 9/2/2023 2–3 ft	SE-I-J-9-10-230902-03-04 9/2/2023 3–4 ft	SE-I-J-9-10-230902-04-05 9/2/2023 4–5 ft	SE-I-J-9-10-230902-05-06 9/2/2023 5–6 ft	SE-J-3-4-230901-00-01 9/1/2023 0–1 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	--	--	Non-plastic	--
Plasticity index	D4318	--	--	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	--	--	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	--	--	285	--
Total solids	SM2540D	--	19.8	60.9	56.3	34.2	27.5	28.9	63.7
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	18	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--	27	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--	6.3	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--	3.8	--
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	--	--	--	--	--	--	44.6	--
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	--	--	--	--	--	--	60.7	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--	31.2	--
Percent passing 8.0-micron	D422	--	--	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--	97.8	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--	75.8	--
Sand	D422	--	--	--	--	--	--	68.8	--
Silt	D422	--	--	--	--	--	--	31.2	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.11)	ND (0.099)	ND (0.032)	ND (0.036)	ND (0.057)	ND (0.071)	ND (0.067)	ND (0.031)
Aroclor 1221	SW8082A	ND (0.11)	ND (0.099)	ND (0.032)	ND (0.036)	ND (0.057)	ND (0.071)	ND (0.067)	ND (0.031)
Aroclor 1232	SW8082A	ND (0.11)	ND (0.099)	ND (0.032)	ND (0.036)	ND (0.057)	ND (0.071)	ND (0.067)	ND (0.031)
Aroclor 1242	SW8082A	ND (0.11)	ND (0.099)	ND (0.032)	ND (0.036)	ND (0.057)	ND (0.071)	ND (0.067)	ND (0.031)
Aroclor 1248	SW8082A	0.0340 J	ND (0.099)	ND (0.032)	ND (0.036)	ND (0.057)	ND (0.071)	ND (0.067)	ND (0.031)
Aroclor 1254	SW8082A	ND (0.11)	ND (0.099)	0.0674	ND (0.036)	ND (0.057)	ND (0.071)	ND (0.067)	0.211
Aroclor 1260	SW8082A	0.126 J	6.89	0.259	ND (0.036)	ND (0.057)	ND (0.071)	ND (0.067)	0.873
Total PCB Aroclors (ND = 0 max limit)		0.160 J	6.89	0.326	ND (0.029)	ND (0.048)	ND (0.059)	ND (0.055)	1.08

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-J-3-4-230901-01-02 9/1/2023 1–2 ft	SE-J-3-4-230901-02-03 9/1/2023 2–3 ft	SE-J-3-4-230901-03-04 9/1/2023 3–4 ft	SE-J-3-4-230901-04-05 9/1/2023 4–5 ft	SE-J-3-4-230901-05-06 9/1/2023 5–6 ft	SE-J-5-230830-00-01 8/30/2023 0–1 ft	SE-J-5-230830-01-02 8/30/2023 1–2 ft	SE-J-5-230830-02-03 8/30/2023 2–3 ft	SE-J-5-230830-03-04 8/30/2023 3–4 ft
Conventional Parameters (percent)										
Organic Content	D2974	--	--	9.8	--	--	--	--	23.9	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	Non-plastic	--	--	--	--	Non-plastic	--
Plasticity index	D4318	--	--	Non-plastic	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	2	--	--	--	--	1.2	--
Liquid limit	D4318	--	--	Non-plastic	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	--	--	Non-plastic	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	21.3	--	--	--	--	133	--
Total solids	SM2540D	73.4	81.8	81.7	83.5	82	--	--	--	--
Total solids	SM2540E	--	--	--	--	--	18.5	33.4	33.7	38.5
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	51	--	--	--	--	13	--
Grain Size (pct)										
Gravel	D422	--	--	0	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	15	--	--	--	--	51	--
Percent passing (hydrometer 2)	D422	--	--	4	--	--	--	--	11	--
Percent passing (hydrometer 3)	D422	--	--	4	--	--	--	--	6.8	--
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	--	--	59	--	--	--	--	70.5	--
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	--	--	93.7	--	--	--	--	78.3	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	46.7	--	--	--	--	59.5	--
Percent passing 8.0-micron	D422	--	--	100	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	99.9	--	--	--	--	98.3	--
Percent retained 30-micron sieve	D422	--	--	98.2	--	--	--	--	89.3	--
Sand	D422	--	--	53.3	--	--	--	--	40.5	--
Silt	D422	--	--	46.7	--	--	--	--	59.5	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.11)	ND (0.059)	ND (0.058)	ND (0.050)
Aroclor 1221	SW8082A	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.11)	ND (0.059)	ND (0.058)	ND (0.050)
Aroclor 1232	SW8082A	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.11)	ND (0.059)	ND (0.058)	ND (0.050)
Aroclor 1242	SW8082A	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.11)	ND (0.059)	ND (0.058)	ND (0.050)
Aroclor 1248	SW8082A	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.11)	ND (0.059)	ND (0.058)	ND (0.050)
Aroclor 1254	SW8082A	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.11)	ND (0.059)	ND (0.058)	ND (0.050)
Aroclor 1260	SW8082A	0.0097 J	0.0139 J	ND (0.024)	ND (0.023)	ND (0.024)	2.75	0.0407 J	0.0288 J	ND (0.050)
Total PCB Aroclors (ND = 0 max limit)		0.0097 J	0.0139 J	ND (0.020)	ND (0.019)	ND (0.020)	2.75	0.0407 J	0.0288 J	ND (0.04)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-J-5-230830-04-05 8/30/2023 4–5 ft	SE-J-5-BD0001 8/30/2023 0–1 ft	SE-J-K-4-5-230830-00-01 8/30/2023 0–1 ft	SE-J-K-4-5-230830-01-02 8/30/2023 1–2 ft	SE-J-K-4-5-230830-02-03 8/30/2023 2–3 ft	SE-J-K-4-5-230830-03-04 8/30/2023 3–4 ft	SE-J-K-4-5-230830-04-05 8/30/2023 4–5 ft	SE-J-K-5-6-230830-00-01 8/30/2023 0–1 ft	SE-J-K-5-6-230830-01-02 8/30/2023 1–2 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	75	--	--	Non-plastic	Non-plastic	--
Plasticity index	D4318	--	--	--	9.4	--	--	Non-plastic	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	84.4	--	--	Non-plastic	Non-plastic	--
Liquidity Index	D4318	--	--	--	11.4	--	--	Non-plastic	Non-plastic	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	182	--	--	283	644	--
Total solids	SM2540D	--	--	--	--	--	--	--	--	--
Total solids	SM2540E	63.3	19.4	14.8	32	39.9	27.3	29.3	16.1	17.9
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	0	--	--	0	0	--
Percent passing (hydrometer 1)	D422	--	--	--	67	--	--	32	29	--
Percent passing (hydrometer 2)	D422	--	--	--	20	--	--	8.4	9.1	--
Percent passing (hydrometer 3)	D422	--	--	--	11	--	--	3.6	5.1	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	100	--	--	100	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	100	--	--	100	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	100	--	--	100	100	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	79.4	--	--	45.7	48.8	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	100	--	--	100	100	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	--	--	100	100	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	100	--	--	100	100	--
Percent passing 50-micron sieve	D422	--	--	--	88.2	--	--	53.2	63.4	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	71.4	--	--	40.2	40.2	--
Percent passing 8.0-micron	D422	--	--	--	100	--	--	100	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	97.4	--	--	95.2	96.4	--
Percent retained 30-micron sieve	D422	--	--	--	94.8	--	--	66.1	81	--
Sand	D422	--	--	--	28.7	--	--	59.8	59.8	--
Silt	D422	--	--	--	71.4	--	--	40.2	40.2	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.032)	ND (0.10)	ND (0.13)	ND (0.063)	ND (0.050)	ND (0.072)	ND (0.066)	ND (0.12)	ND (0.11)
Aroclor 1221	SW8082A	ND (0.032)	ND (0.10)	ND (0.13)	ND (0.063)	ND (0.050)	ND (0.072)	ND (0.066)	ND (0.12)	ND (0.11)
Aroclor 1232	SW8082A	ND (0.032)	ND (0.10)	ND (0.13)	ND (0.063)	ND (0.050)	ND (0.072)	ND (0.066)	ND (0.12)	ND (0.11)
Aroclor 1242	SW8082A	ND (0.032)	ND (0.10)	ND (0.13)	ND (0.063)	ND (0.050)	ND (0.072)	ND (0.066)	ND (0.12)	ND (0.11)
Aroclor 1248	SW8082A	ND (0.032)	ND (0.10)	ND (0.13)	ND (0.063)	ND (0.050)	ND (0.072)	ND (0.066)	ND (0.12)	ND (0.11)
Aroclor 1254	SW8082A	ND (0.032)	ND (0.10)	ND (0.13)	ND (0.063)	ND (0.050)	ND (0.072)	ND (0.066)	ND (0.12)	ND (0.11)
Aroclor 1260	SW8082A	ND (0.032)	1.77	0.169	ND (0.063)	ND (0.050)	ND (0.072)	ND (0.066)	0.347	ND (0.11)
Total PCB Aroclors (ND = 0 max limit)		ND (0.026)	1.77	0.169	ND (0.052)	ND (0.04)	ND (0.060)	ND (0.054)	0.347	ND (0.093)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-J-K-5-6-230830-02-03 8/30/2023 2–3 ft	SE-J-K-5-6-230830-03-04 8/30/2023 3–4 ft	SE-J-K-5-6-230830-04-05 8/30/2023 4–5 ft	SE-J-K-6-7-230912-00-01 9/12/2023 0–1 ft	SE-J-K-6-7-230912-01-02 9/12/2023 1–2 ft	SE-J-K-6-7-230912-02-03 9/12/2023 2–3 ft	SE-J-K-6-7-230912-03-04 9/12/2023 3–4 ft	SE-J-K-7-8-230912-00-01 9/12/2023 0–1 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	--	--	--	--
Plasticity index	D4318	--	--	--	--	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	--	--	--
Liquidity Index	D4318	--	--	--	--	--	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	--	--	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	14	13.3	10.7	14.9	18.9	--	--	15.7
Total solids	SM2540G	--	--	--	--	--	18.2	17.5	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--	--	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	--	--	--	--	--	--	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	--	--	--	--	--	--	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	--	--	--	--	--	--	--
Percent passing 150-micron sieve (No. 100)	D422	--	--	--	--	--	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	--	--	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	--	--	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	--	--	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--	--	--
Percent passing 8.0-micron	D422	--	--	--	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	--	--	--
Sand	D422	--	--	--	--	--	--	--	--
Silt	D422	--	--	--	--	--	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.14)	ND (0.15)	ND (0.18)	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.12)
Aroclor 1221	SW8082A	ND (0.14)	ND (0.15)	ND (0.18)	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.12)
Aroclor 1232	SW8082A	ND (0.14)	ND (0.15)	ND (0.18)	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.12)
Aroclor 1242	SW8082A	ND (0.14)	ND (0.15)	ND (0.18)	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.12)
Aroclor 1248	SW8082A	ND (0.14)	ND (0.15)	ND (0.18)	ND (0.13)	ND (0.10)	0.0486 J	ND (0.11)	ND (0.12)
Aroclor 1254	SW8082A	ND (0.14)	ND (0.15)	ND (0.18)	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.12)
Aroclor 1260	SW8082A	ND (0.14)	ND (0.15)	ND (0.18)	0.821	10.6	0.173	ND (0.11)	1.7
Total PCB Aroclors (ND = 0 max limit)		ND (0.12)	ND (0.12)	ND (0.15)	0.821	10.6	0.222 J	ND (0.091)	1.7

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-J-K-7-8-230912-01-02 9/12/2023 1–2 ft	SE-J-K-7-8-230912-02-03 9/12/2023 2–3 ft	SE-J-K-7-8-230912-03-04 9/12/2023 3–4 ft	SE-J-K-7-8-BD0001 9/12/2023 1–2 ft	SE-J-K-8-9-230912-00-01 9/12/2023 0–1 ft	SE-J-K-8-9-230912-01-02 9/12/2023 1–2 ft	SE-J-K-8-9-230912-02-03 9/12/2023 2–3 ft	SE-J-K-8-9-230912-03-04 9/12/2023 3–4 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	Non-plastic	--	--	Non-plastic	--	--
Plasticity index	D4318	--	--	Non-plastic	--	--	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	Non-plastic	--	--	Non-plastic	--	--
Liquidity Index	D4318	--	--	Non-plastic	--	--	Non-plastic	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	672	--	--	427	--	--
Total solids	SM2540D	--	--	--	--	--	--	--	--
Total solids	SM2540E	18	--	--	19.8	14.3	19.9	--	--
Total solids	SM2540G	--	18.3	14.2	--	--	--	18.8	15.8
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	0	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	50	--	--	46	--	--
Percent passing (hydrometer 2)	D422	--	--	16	--	--	14	--	--
Percent passing (hydrometer 3)	D422	--	--	9	--	--	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	--	--	60.4	--	--	58.2	--	--
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	--	--	67.6	--	--	66.4	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	53.4	--	--	52.3	--	--
Percent passing 8.0-micron	D422	--	--	100	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	97.4	--	--	95.1	--	--
Percent retained 30-micron sieve	D422	--	--	76.4	--	--	75.3	--	--
Sand	D422	--	--	46.6	--	--	47.7	--	--
Silt	D422	--	--	53.4	--	--	52.3	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.10)	ND (0.13)	ND (0.097)	ND (0.10)	ND (0.12)
Aroclor 1221	SW8082A	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.10)	ND (0.13)	ND (0.097)	ND (0.10)	ND (0.12)
Aroclor 1232	SW8082A	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.10)	ND (0.13)	ND (0.097)	ND (0.10)	ND (0.12)
Aroclor 1242	SW8082A	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.10)	ND (0.13)	ND (0.097)	ND (0.10)	ND (0.12)
Aroclor 1248	SW8082A	ND (0.11)	0.344	ND (0.14)	ND (0.10)	ND (0.13)	ND (0.097)	1.8	ND (0.12)
Aroclor 1254	SW8082A	ND (0.11)	ND (0.11)	ND (0.14)	ND (0.10)	ND (0.13)	ND (0.097)	ND (0.10)	ND (0.12)
Aroclor 1260	SW8082A	10.4 J	2.15	ND (0.14)	34.6 J	1.97	20.9	17.6	0.0599 J
Total PCB Aroclors (ND = 0 max limit)		10.4 J	2.49	ND (0.11)	34.6 J	1.97	20.9	19	0.0599 J

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-J-K-9-10-230902-00-01 9/2/2023 0–1 ft	SE-J-K-9-10-230902-01-02 9/2/2023 1–2 ft	SE-J-K-9-10-230902-02-03 9/2/2023 2–3 ft	SE-J-K-9-10-230902-03-04 9/2/2023 3–4 ft	SE-J-K-9-10-230902-04-05 9/2/2023 4–5 ft	SE-K-5-230902-00-01 9/2/2023 0–1 ft	SE-K-5-230902-01-02 9/2/2023 1–2 ft	SE-K-5-230902-02-03 9/2/2023 2–3 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	Non-plastic	Non-plastic	--	--
Plasticity index	D4318	--	--	--	--	Non-plastic	Non-plastic	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	Non-plastic	Non-plastic	--	--
Liquidity Index	D4318	--	--	--	--	Non-plastic	Non-plastic	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	482	737	--	--
Total solids	SM2540D	24.6	31.6	22	14.9	17.4	13.1	15.8	12.3
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	0	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	54	41	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	16	9.6	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	3.3	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	--	--	--	--	67.4	60.7	--	--
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	--	--	--	--	76.6	67.5	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	58.1	49.7	--	--
Percent passing 8.0-micron	D422	--	--	--	--	100	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	94.5	95.4	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	79.7	76.2	--	--
Sand	D422	--	--	--	--	41.9	50.3	--	--
Silt	D422	--	--	--	--	58.1	49.7	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.080)	ND (0.062)	ND (0.091)	ND (0.13)	ND (0.11)	ND (0.30)	ND (0.25)	ND (0.33)
Aroclor 1221	SW8082A	ND (0.080)	ND (0.062)	ND (0.091)	ND (0.13)	ND (0.11)	ND (0.30)	ND (0.25)	ND (0.33)
Aroclor 1232	SW8082A	ND (0.080)	ND (0.062)	ND (0.091)	ND (0.13)	ND (0.11)	ND (0.30)	ND (0.25)	ND (0.33)
Aroclor 1242	SW8082A	ND (0.080)	ND (0.062)	ND (0.091)	ND (0.13)	ND (0.11)	ND (0.30)	ND (0.25)	ND (0.33)
Aroclor 1248	SW8082A	ND (0.080)	ND (0.062)	ND (0.091)	ND (0.13)	ND (0.11)	ND (0.30)	ND (0.25)	ND (0.33)
Aroclor 1254	SW8082A	0.312	0.0181 J	ND (0.091)	ND (0.13)	ND (0.11)	ND (0.30)	ND (0.25)	ND (0.33)
Aroclor 1260	SW8082A	1.73	0.118	ND (0.091)	ND (0.13)	ND (0.11)	7.36	3.73	ND (0.33)
Total PCB Aroclors (ND = 0 max limit)		2.04	0.136 J	ND (0.075)	ND (0.11)	ND (0.092)	7.36	3.73	ND (0.27)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-K-5-230902-03-04 9/2/2023 3–4 ft	SE-K-7-230913-00-01 9/13/2023 0–1 ft	SE-K-7-230913-01-02 9/13/2023 1–2 ft	SE-K-7-230913-02-03 9/13/2023 2–3 ft	SE-K-L-5-6-230901-00-01 9/1/2023 0–1 ft	SE-K-L-5-6-230901-01-02 9/1/2023 1–2 ft	SE-K-L-5-6-230901-02-03 9/1/2023 2–3 ft	SE-K-L-5-6-230901-03-04 9/1/2023 3–4 ft	SE-K-L-6-7-230912-00-01 9/12/2023 0–1 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	--	--	--	--	--	Non-plastic
Plasticity index	D4318	--	--	--	--	--	--	--	--	Non-plastic
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	--	--	--	--	--	--	--	Non-plastic
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	--	--	--	--	--	519
Total solids	SM2540D	15.8	--	--	--	12.7	15.7	14.1	16.5	--
Total solids	SM2540E	--	14.3	18.6	--	--	--	--	--	16
Total solids	SM2540G	--	--	--	18.3	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--	--	--	44
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--	--	--	13
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	--	--	--	--	--	--	--	--	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	--	--	--	--	--	--	--	--	59.7
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--	--	--	45.1
Percent passing 8.0-micron	D422	--	--	--	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--	--	--	96.3
Percent retained 30-micron sieve	D422	--	--	--	--	--	--	--	--	71.1
Sand	D422	--	--	--	--	--	--	--	--	54.9
Silt	D422	--	--	--	--	--	--	--	--	45.1
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.25)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.31)	ND (0.25)	ND (0.28)	ND (0.24)	ND (0.12)
Aroclor 1221	SW8082A	ND (0.25)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.31)	ND (0.25)	ND (0.28)	ND (0.24)	ND (0.12)
Aroclor 1232	SW8082A	ND (0.25)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.31)	ND (0.25)	ND (0.28)	ND (0.24)	ND (0.12)
Aroclor 1242	SW8082A	ND (0.25)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.31)	ND (0.25)	ND (0.28)	ND (0.24)	ND (0.12)
Aroclor 1248	SW8082A	ND (0.25)	ND (0.14)	ND (0.11)	0.332	ND (0.31)	ND (0.25)	ND (0.28)	ND (0.24)	ND (0.12)
Aroclor 1254	SW8082A	ND (0.25)	ND (0.14)	ND (0.11)	ND (0.11)	ND (0.31)	ND (0.25)	ND (0.28)	ND (0.24)	ND (0.12)
Aroclor 1260	SW8082A	ND (0.25)	11.3	48	2.16	1.72	0.3	ND (0.28)	ND (0.24)	26.8
Total PCB Aroclors (ND = 0 max limit)		ND (0.21)	11.3	48	2.49	1.72	0.3	ND (0.24)	ND (0.20)	26.8

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-K-L-6-7-230912-01-02 9/12/2023 1–2 ft	SE-K-L-6-7-230912-02-03 9/12/2023 2–3 ft	SE-K-L-7-8-230912-00-01 9/12/2023 0–1 ft	SE-K-L-7-8-230912-01-02 9/12/2023 1–2 ft	SE-K-L-7-8-230912-02-03 9/12/2023 2–3 ft	SE-K-L-8-9-230902-00-01 9/2/2023 0–1 ft	SE-K-L-8-9-230902-01-02 9/2/2023 1–2 ft	SE-K-L-8-9-230902-02-03 9/2/2023 2–3 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	--	--	--	Non-plastic
Plasticity index	D4318	--	--	--	--	--	--	--	Non-plastic
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	--	--	--	--	--	--	Non-plastic
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	--	--	--	1090
Total solids	SM2540D	--	--	--	--	--	9.4	13.2	9.7
Total solids	SM2540E	16.5	--	16.4	17	--	--	--	--
Total solids	SM2540G	--	16.1	--	--	17	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	--	--	--	33
Percent passing (hydrometer 2)	D422	--	--	--	--	--	--	--	8.5
Percent passing (hydrometer 3)	D422	--	--	--	--	--	--	--	6.1
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	--	--	--	--	--	--	--	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	--	--	--	--	--	--	--	68.3
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	--	--	43.5
Percent passing 8.0-micron	D422	--	--	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	--	--	97.7
Percent retained 30-micron sieve	D422	--	--	--	--	--	--	--	79.5
Sand	D422	--	--	--	--	--	--	--	56.5
Silt	D422	--	--	--	--	--	--	--	43.5
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.42)	ND (0.30)	ND (0.41)
Aroclor 1221	SW8082A	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.42)	ND (0.30)	ND (0.41)
Aroclor 1232	SW8082A	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.42)	ND (0.30)	ND (0.41)
Aroclor 1242	SW8082A	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.42)	ND (0.30)	ND (0.41)
Aroclor 1248	SW8082A	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	0.0816 J	ND (0.42)	ND (0.30)	ND (0.41)
Aroclor 1254	SW8082A	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.42)	ND (0.30)	ND (0.41)
Aroclor 1260	SW8082A	22.7	0.125	10.6	52.2	0.362	5.68	2.91	0.32 J
Total PCB Aroclors (ND = 0 max limit)		22.7	0.125	10.6	52.2	0.444 J	5.68	2.91	0.32 J

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-K-L-8-9-230902-03-3.5 9/2/2023 3–3.5 ft	SE-K-L-8-9-BD0001 9/2/2023 0–1 ft	SE-K-L-9-10-230901-01-02 9/1/2023 1–2 ft	SE-K-L-9-10-230901-02-03 9/1/2023 2–3 ft	SE-K-L-9-10-230901-03-04 9/1/2023 3–4 ft	SE-K-L-9-10-230901-04-05 9/1/2023 4–5 ft	SE-K-L-9-10-230901-05-06 9/1/2023 5–6 ft	SE-K-L-9-10-230901-06-07 9/1/2023 6–7 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	--	21	--	--
Plasticity index	D4318	--	--	--	--	--	4.1	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	--	25.1	--	--
Liquidity Index	D4318	--	--	--	--	--	1.2	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	--	30.7	--	--
Total solids	SM2540D	8.1	9.7	32.5	78.5	63.8	79.1	73.8	81.4
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	--	0	--	--
Percent passing (hydrometer 1)	D422	--	--	--	--	--	42	--	--
Percent passing (hydrometer 2)	D422	--	--	--	--	--	20	--	--
Percent passing (hydrometer 3)	D422	--	--	--	--	--	6.2	--	--
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	--	--	--	--	--	77.9	--	--
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	--	--	--	--	--	91.2	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	--	64.9	--	--
Percent passing 8.0-micron	D422	--	--	--	--	--	100	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	--	100	--	--
Percent retained 30-micron sieve	D422	--	--	--	--	--	98	--	--
Sand	D422	--	--	--	--	--	35.2	--	--
Silt	D422	--	--	--	--	--	64.9	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.47)	ND (0.40)	ND (0.12)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.027)	ND (0.049)
Aroclor 1221	SW8082A	ND (0.47)	ND (0.40)	ND (0.12)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.027)	ND (0.049)
Aroclor 1232	SW8082A	ND (0.47)	ND (0.40)	ND (0.12)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.027)	ND (0.049)
Aroclor 1242	SW8082A	ND (0.47)	ND (0.40)	ND (0.12)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.027)	ND (0.049)
Aroclor 1248	SW8082A	ND (0.47)	ND (0.40)	ND (0.12)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.027)	ND (0.049)
Aroclor 1254	SW8082A	ND (0.47)	ND (0.40)	ND (0.12)	ND (0.024)	ND (0.031)	ND (0.025)	ND (0.027)	ND (0.049)
Aroclor 1260	SW8082A	0.289 J	4.96	0.851	0.0916	0.0331	ND (0.025)	ND (0.027)	0.36
Total PCB Aroclors (ND = 0 max limit)		0.289 J	4.96	0.851	0.0916	0.0331	ND (0.021)	ND (0.022)	0.36

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-L-9-230831-00-01 8/31/2023 0–1 ft	SE-L-9-230831-01-02 8/31/2023 1–2 ft	SE-L-9-230831-02-03 8/31/2023 2–3 ft	SE-L-9-230831-03-04 8/31/2023 3–4 ft	SE-L-9-230831-04-05 8/31/2023 4–5 ft	SE-L-9-230831-05-5.75 8/31/2023 5–5.75 ft	SE-L-9-10-230831-00-01 8/31/2023 0–1 ft	SE-L-9-10-230831-01-02 8/31/2023 1–2 ft	SE-L-9-10-230831-02-03 8/31/2023 2–3 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	73.7	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	Non-plastic	--	--	--	--	--	--	Non-plastic
Plasticity index	D4318	--	Non-plastic	--	--	--	--	--	--	Non-plastic
Specific gravity	D1429	--	1.1	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	--	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	Non-plastic	--	--	--	--	--	--	Non-plastic
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	705	--	--	--	--	--	--	265
Total solids	SM2540D	11.6	13.6	16.7	14.4	13.9	13.2	17.1	19.3	26.2
Total solids	SM2540E	--	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	6.2	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	0	--	--	--	--	--	--	0
Percent passing (hydrometer 1)	D422	--	28	--	--	--	--	--	--	17
Percent passing (hydrometer 2)	D422	--	11	--	--	--	--	--	--	7.9
Percent passing (hydrometer 3)	D422	--	1.2	--	--	--	--	--	--	3.4
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	--	47	--	--	--	--	--	--	27
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	--	57	--	--	--	--	--	--	49.4
Percent passing 75-micron sieve (No. 200)	D422	--	39.8	--	--	--	--	--	--	17.5
Percent passing 8.0-micron	D422	--	100	--	--	--	--	--	--	100
Percent retained 16,000-micron sieve	D422	--	91.8	--	--	--	--	--	--	94.3
Percent retained 30-micron sieve	D422	--	67.4	--	--	--	--	--	--	70.2
Sand	D422	--	60.2	--	--	--	--	--	--	82.5
Silt	D422	--	39.8	--	--	--	--	--	--	17.5
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.17)	ND (0.15)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.11)	ND (0.10)	ND (0.076)
Aroclor 1221	SW8082A	ND (0.17)	ND (0.15)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.11)	ND (0.10)	ND (0.076)
Aroclor 1232	SW8082A	ND (0.17)	ND (0.15)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.11)	ND (0.10)	ND (0.076)
Aroclor 1242	SW8082A	ND (0.17)	ND (0.15)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.11)	ND (0.10)	ND (0.076)
Aroclor 1248	SW8082A	ND (0.17)	ND (0.15)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.11)	ND (0.10)	ND (0.076)
Aroclor 1254	SW8082A	ND (0.17)	ND (0.15)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.11)	ND (0.10)	ND (0.076)
Aroclor 1260	SW8082A	0.212	ND (0.15)	ND (0.12)	ND (0.14)	ND (0.14)	9.43	0.974	ND (0.10)	ND (0.076)
Total PCB Aroclors (ND = 0 max limit)		0.212	ND (0.12)	ND (0.097)	ND (0.12)	ND (0.12)	9.43	0.974	ND (0.08)	ND (0.063)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-L-9-10-230831-03-04 8/31/2023 3–4 ft	SE-L-9-10-230831-04-05 8/31/2023 4–5 ft	SE-L-9-10-230831-05-06 8/31/2023 5–6 ft	SE-L-9-10-230831-06-07 8/31/2023 6–7 ft	SE-L-M-5-6-230901-00-01 9/1/2023 0–1 ft	SE-L-M-5-6-230901-01-02 9/1/2023 1–2 ft	SE-L-M-5-6-230901-02-03 9/1/2023 2–3 ft	SE-L-M-5-6-230901-03-04 9/1/2023 3–4 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	Non-plastic	Non-plastic	--	--	--
Plasticity index	D4318	--	--	--	Non-plastic	Non-plastic	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	Non-plastic	Non-plastic	--	--	--
Liquidity Index	D4318	--	--	--	Non-plastic	Non-plastic	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	23	788	--	--	--
Total solids	SM2540D	56.2	84.4	82.9	82.4	--	20.6	58.3	88.5
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	3	0	--	--	--
Percent passing (hydrometer 1)	D422	--	--	--	20	29	--	--	--
Percent passing (hydrometer 2)	D422	--	--	--	8.6	14	--	--	--
Percent passing (hydrometer 3)	D422	--	--	--	3.9	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	--	--	--	39.6	56.3	--	--	--
Percent passing 2000-micron sieve (No. 10)	D422	--	--	--	88.4	100	--	--	--
Percent passing 3 inch (3-inch sieve)	D422	--	--	--	100	100	--	--	--
Percent passing 4750-micron sieve (No. 4)	D422	--	--	--	97	100	--	--	--
Percent passing 50-micron sieve	D422	--	--	--	80.7	68.9	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	27.5	40.2	--	--	--
Percent passing 8.0-micron	D422	--	--	--	93.4	100	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	--	87	97.7	--	--	--
Percent retained 30-micron sieve	D422	--	--	--	85.2	87.3	--	--	--
Sand	D422	--	--	--	69.5	59.8	--	--	--
Silt	D422	--	--	--	27.5	40.2	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.035)	ND (0.024)	ND (0.024)	--	ND (0.14)	ND (0.095)	ND (0.034)	ND (0.023)
Aroclor 1221	SW8082A	ND (0.035)	ND (0.024)	ND (0.024)	--	ND (0.14)	ND (0.095)	ND (0.034)	ND (0.023)
Aroclor 1232	SW8082A	ND (0.035)	ND (0.024)	ND (0.024)	--	ND (0.14)	ND (0.095)	ND (0.034)	ND (0.023)
Aroclor 1242	SW8082A	ND (0.035)	ND (0.024)	ND (0.024)	--	ND (0.14)	ND (0.095)	ND (0.034)	ND (0.023)
Aroclor 1248	SW8082A	ND (0.035)	ND (0.024)	ND (0.024)	--	ND (0.14)	ND (0.095)	ND (0.034)	ND (0.023)
Aroclor 1254	SW8082A	ND (0.035)	ND (0.024)	ND (0.024)	--	ND (0.14)	ND (0.095)	ND (0.034)	ND (0.023)
Aroclor 1260	SW8082A	ND (0.035)	ND (0.024)	ND (0.024)	--	0.411	ND (0.095)	ND (0.034)	ND (0.023)
Total PCB Aroclors (ND = 0 max limit)		ND (0.029)	ND (0.020)	ND (0.020)	--	0.411	ND (0.079)	ND (0.028)	ND (0.019)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-L-M-5-6-230901-04-05 9/1/2023 4–5 ft	SE-L-M-6-7-230901-00-01 9/1/2023 0–1 ft	SE-L-M-6-7-230901-01-02 9/1/2023 1–2 ft	SE-L-M-6-7-230901-02-03 9/1/2023 2–3 ft	SE-L-M-6-7-230901-03-04 9/1/2023 3–4 ft	SE-L-M-7-8-230831-00-01 8/31/2023 0–1 ft	SE-L-M-7-8-230831-01-02 8/31/2023 1–2 ft	SE-L-M-7-8-230831-02-03 8/31/2023 2–3 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	Non-plastic	--	--	--	--	--
Plasticity index	D4318	--	--	Non-plastic	--	--	--	--	--
Specific gravity	D1429	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	Non-plastic	--	--	--	--	--
Liquidity Index	D4318	--	--	Non-plastic	--	--	--	--	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	705	--	--	--	--	--
Total solids	SM2540D	83.8	10.3	14.1	12.4	12.3	11.8	12.8	13.5
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	0	--	--	--	--	--
Percent passing (hydrometer 1)	D422	--	--	18	--	--	--	--	--
Percent passing (hydrometer 2)	D422	--	--	5.8	--	--	--	--	--
Percent passing (hydrometer 3)	D422	--	--	1.2	--	--	--	--	--
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	--	--	29.6	--	--	--	--	--
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	--	--	65.7	--	--	--	--	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	24	--	--	--	--	--
Percent passing 8.0-micron	D422	--	--	100	--	--	--	--	--
Percent retained 16,000-micron sieve	D422	--	--	89.3	--	--	--	--	--
Percent retained 30-micron sieve	D422	--	--	76.3	--	--	--	--	--
Sand	D422	--	--	76	--	--	--	--	--
Silt	D422	--	--	24	--	--	--	--	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.023)	ND (0.19)	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.15)
Aroclor 1221	SW8082A	ND (0.023)	ND (0.19)	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.15)
Aroclor 1232	SW8082A	ND (0.023)	ND (0.19)	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.15)
Aroclor 1242	SW8082A	ND (0.023)	ND (0.19)	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.15)
Aroclor 1248	SW8082A	ND (0.023)	ND (0.19)	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.15)
Aroclor 1254	SW8082A	ND (0.023)	ND (0.19)	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.15)
Aroclor 1260	SW8082A	0.0384	0.105 J	ND (0.14)	ND (0.16)	ND (0.16)	1.22	ND (0.15)	ND (0.15)
Total PCB Aroclors (ND = 0 max limit)		0.0384	0.105 J	ND (0.12)	ND (0.13)	ND (0.13)	1.22	ND (0.13)	ND (0.12)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-L-M-7-8-230831-03-04 8/31/2023 3–4 ft	SE-L-M-7-8-230831-04-05 8/31/2023 4–5 ft	SE-L-M-7-8-BD0001 8/31/2023 2–3 ft	SE-L-M-8-9-230831-00-01 8/31/2023 0–1 ft	SE-L-M-8-9-230831-01-02 8/31/2023 1–2 ft	SE-L-M-8-9-230831-02-03 8/31/2023 2–3 ft	SE-L-M-8-9-230831-03-04 8/31/2023 3–4 ft	SE-L-M-8-9-230831-04-05 8/31/2023 4–5 ft
Chemical									
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	--	--	92.4	--
Conventional Parameters (unitless)									
Plastic limit	D4318	Non-plastic	Non-plastic	--	--	--	--	Non-plastic	--
Plasticity index	D4318	Non-plastic	Non-plastic	--	--	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	1	--
Liquid limit	D4318	Non-plastic	Non-plastic	--	--	--	--	Non-plastic	--
Liquidity Index	D4318	Non-plastic	Non-plastic	--	--	--	--	Non-plastic	--
Conventional Parameters (percent)									
Moisture (water) content	D2216	835	819	--	--	--	--	829	--
Total solids	SM2540D	11.9	12.8	11.2	18.8	17.2	14.3	13.1	18.5
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	--	--	6.2	--
Grain Size (pct)									
Gravel	D422	0	0	--	--	--	--	0	--
Percent passing (hydrometer 1)	D422	25	20	--	--	--	--	18	--
Percent passing (hydrometer 2)	D422	10	11	--	--	--	--	4.8	--
Percent passing (hydrometer 3)	D422	4.4	7.5	--	--	--	--	1.6	--
Percent passing 0.375 inch (3/8-inch sieve)	D422	100	100	--	--	--	--	100	--
Percent passing 0.75 inch (3/4-inch sieve)	D422	100	100	--	--	--	--	100	--
Percent passing 1.5 inch (1.5-inch sieve)	D422	100	100	--	--	--	--	100	--
Percent passing 150-micron sieve (No. 100)	D422	34.1	46.6	--	--	--	--	25.6	--
Percent passing 2000-micron sieve (No. 10)	D422	100	100	--	--	--	--	100	--
Percent passing 3 inch (3-inch sieve)	D422	100	100	--	--	--	--	100	--
Percent passing 4750-micron sieve (No. 4)	D422	100	100	--	--	--	--	100	--
Percent passing 50-micron sieve	D422	59.6	52.5	--	--	--	--	48.8	--
Percent passing 75-micron sieve (No. 200)	D422	28	43.3	--	--	--	--	22.3	--
Percent passing 8.0-micron	D422	100	100	--	--	--	--	100	--
Percent retained 16,000-micron sieve	D422	89.7	95.1	--	--	--	--	88.3	--
Percent retained 30-micron sieve	D422	76.5	63	--	--	--	--	69.2	--
Sand	D422	72	56.7	--	--	--	--	77.7	--
Silt	D422	28	43.3	--	--	--	--	22.3	--
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.16)	--	ND (0.17)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.15)	ND (0.10)
Aroclor 1221	SW8082A	ND (0.16)	--	ND (0.17)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.15)	ND (0.10)
Aroclor 1232	SW8082A	ND (0.16)	--	ND (0.17)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.15)	ND (0.10)
Aroclor 1242	SW8082A	ND (0.16)	--	ND (0.17)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.15)	ND (0.10)
Aroclor 1248	SW8082A	ND (0.16)	--	ND (0.17)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.15)	ND (0.10)
Aroclor 1254	SW8082A	ND (0.16)	--	ND (0.17)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.15)	ND (0.10)
Aroclor 1260	SW8082A	ND (0.16)	--	0.472	0.0564 J	ND (0.11)	ND (0.13)	ND (0.15)	ND (0.10)
Total PCB Aroclors (ND = 0 max limit)		ND (0.14)	--	0.472	0.0564 J	ND (0.095)	ND (0.11)	ND (0.12)	ND (0.09)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-L-M-8-9-230831-05-06 8/31/2023 5–6 ft	SE-M-7-230831-00-01 8/31/2023 0–1 ft	SE-M-7-230831-01-02 8/31/2023 1–2 ft	SE-M-7-230831-02-03 8/31/2023 2–3 ft	SE-M-7-230831-03-04 8/31/2023 3–4 ft	SE-M-7-230831-04-05 8/31/2023 4–5 ft	SE-M-7-230831-05-06 8/31/2023 5–6 ft	SE-M-7-230831-07-08 8/31/2023 7–8 ft	SE-M-7-8-230831-00-01 8/31/2023 0–1 ft
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	--	--	--	Non-plastic	--	--	Non-plastic	--
Plasticity index	D4318	--	--	--	--	Non-plastic	--	--	Non-plastic	--
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	--	--	--	Non-plastic	--	--	Non-plastic	--
Liquidity Index	D4318	--	--	--	--	Non-plastic	--	--	Non-plastic	--
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	--	--	--	668	--	--	261	--
Total solids	SM2540D	23.6	12.6	17.1	14.9	15.4	25.7	32.9	28.1	20.6
Total solids	SM2540E	--	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	--	--	--	0	--	--	0	--
Percent passing (hydrometer 1)	D422	--	--	--	--	17	--	--	26.4	--
Percent passing (hydrometer 2)	D422	--	--	--	--	6.4	--	--	27.3	--
Percent passing (hydrometer 3)	D422	--	--	--	--	1.3	--	--	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	--	--	--	--	38.2	--	--	31.8	--
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	--	--	--	--	56.8	--	--	40.2	--
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	28.9	--	--	27.2	--
Percent passing 8.0-micron	D422	--	--	--	--	100	--	--	100	--
Percent retained 16,000-micron sieve	D422	--	--	--	--	92.2	--	--	85.3	--
Percent retained 30-micron sieve	D422	--	--	--	--	78.5	--	--	53.4	--
Sand	D422	--	--	--	--	71.1	--	--	72.8	--
Silt	D422	--	--	--	--	28.9	--	--	27.2	--
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.083)	ND (0.16)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.076)	ND (0.061)	--	ND (0.081)
Aroclor 1221	SW8082A	ND (0.083)	ND (0.16)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.076)	ND (0.061)	--	ND (0.081)
Aroclor 1232	SW8082A	ND (0.083)	ND (0.16)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.076)	ND (0.061)	--	ND (0.081)
Aroclor 1242	SW8082A	ND (0.083)	ND (0.16)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.076)	ND (0.061)	--	ND (0.081)
Aroclor 1248	SW8082A	ND (0.083)	ND (0.16)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.076)	ND (0.061)	--	ND (0.081)
Aroclor 1254	SW8082A	ND (0.083)	ND (0.16)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.076)	ND (0.061)	--	ND (0.081)
Aroclor 1260	SW8082A	0.709	0.976	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.076)	ND (0.061)	--	0.101
Total PCB Aroclors (ND = 0 max limit)		0.709	0.976	ND (0.097)	ND (0.11)	ND (0.10)	ND (0.063)	ND (0.050)	--	0.101

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

	Sample ID Sample Date Depth Method	SE-M-7-8-230831-01-02 8/31/2023 1–2 ft	SE-M-7-8-230831-02-03 8/31/2023 2–3 ft	SE-M-7-8-230831-03-04 8/31/2023 3–4 ft	SE-M-7-8-230831-04-05 8/31/2023 4–5 ft	SE-M-8-230831-00-01 8/31/2023 0–1 ft	SE-M-8-230831-01-02 8/31/2023 1–2 ft	SE-M-8-230831-02-03 8/31/2023 2–3 ft	SE-M-8-230831-03-04 8/31/2023 3–4 ft	SE-M-8-230831-04-05 8/31/2023 4–5 ft
Chemical										
Conventional Parameters (percent)										
Organic Content	D2974	--	--	--	--	--	--	--	--	--
Conventional Parameters (unitless)										
Plastic limit	D4318	--	Non-plastic	--	Non-plastic	--	--	--	--	Non-plastic
Plasticity index	D4318	--	Non-plastic	--	Non-plastic	--	--	--	--	Non-plastic
Specific gravity	D1429	--	--	--	--	--	--	--	--	--
Liquid limit	D4318	--	Non-plastic	--	Non-plastic	--	--	--	--	Non-plastic
Liquidity Index	D4318	--	Non-plastic	--	Non-plastic	--	--	--	--	Non-plastic
Conventional Parameters (percent)										
Moisture (water) content	D2216	--	727	--	558	--	--	--	--	13.9
Total solids	SM2540D	17.2	11.9	9.6	14.9	27.7	88.1	89.1	89.1	87.7
Total solids	SM2540E	--	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)										
Density (bulk)	D2937	--	--	--	--	--	--	--	--	--
Grain Size (pct)										
Gravel	D422	--	0	--	0	--	--	--	--	20.8
Percent passing (hydrometer 1)	D422	--	17	--	15	--	--	--	--	2.9
Percent passing (hydrometer 2)	D422	--	4.6	--	4.9	--	--	--	--	1.2
Percent passing (hydrometer 3)	D422	--	1.5	--	1.6	--	--	--	--	0.41
Percent passing 0.375 inch (3/8-inch sieve)	D422	--	100	--	100	--	--	--	--	86.8
Percent passing 0.75 inch (3/4-inch sieve)	D422	--	100	--	100	--	--	--	--	94
Percent passing 1.5 inch (1.5-inch sieve)	D422	--	100	--	100	--	--	--	--	100
Percent passing 150-micron sieve (No. 100)	D422	--	39.3	--	28.2	--	--	--	--	25.7
Percent passing 2000-micron sieve (No. 10)	D422	--	100	--	100	--	--	--	--	59.7
Percent passing 3 inch (3-inch sieve)	D422	--	100	--	100	--	--	--	--	100
Percent passing 4750-micron sieve (No. 4)	D422	--	100	--	100	--	--	--	--	79.2
Percent passing 50-micron sieve	D422	--	56.1	--	42.7	--	--	--	--	35.2
Percent passing 75-micron sieve (No. 200)	D422	--	26.6	--	19.6	--	--	--	--	21.3
Percent passing 8.0-micron	D422	--	100	--	100	--	--	--	--	70.6
Percent retained 16,000-micron sieve	D422	--	91.9	--	88.7	--	--	--	--	56.7
Percent retained 30-micron sieve	D422	--	78.6	--	71	--	--	--	--	51.4
Sand	D422	--	73.4	--	80.4	--	--	--	--	57.9
Silt	D422	--	26.6	--	19.6	--	--	--	--	21.3
PCB Aroclors (mg/kg)										
Aroclor 1016	SW8082A	ND (0.12)	ND (0.33)	ND (0.42)	ND (0.13)	ND (0.069)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)
Aroclor 1221	SW8082A	ND (0.12)	ND (0.33)	ND (0.42)	ND (0.13)	ND (0.069)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)
Aroclor 1232	SW8082A	ND (0.12)	ND (0.33)	ND (0.42)	ND (0.13)	ND (0.069)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)
Aroclor 1242	SW8082A	ND (0.12)	ND (0.33)	ND (0.42)	ND (0.13)	ND (0.069)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)
Aroclor 1248	SW8082A	ND (0.12)	ND (0.33)	ND (0.42)	ND (0.13)	ND (0.069)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)
Aroclor 1254	SW8082A	ND (0.12)	ND (0.33)	ND (0.42)	ND (0.13)	ND (0.069)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)
Aroclor 1260	SW8082A	3	ND (0.33)	ND (0.42)	ND (0.13)	6.78 J	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)
Total PCB Aroclors (ND = 0 max limit)		3	ND (0.27)	ND (0.35)	ND (0.11)	6.78 J	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.018)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Chemical	Sample ID Sample Date Depth Method	SE-M-8-230831-05-06 8/31/2023 5–6 ft	SE-M-8-BD0001 8/31/2023 0–1 ft	SE-M-N-7-8-230831-00-01 8/31/2023 0–1 ft	SE-M-N-7-8-230831-01-02 8/31/2023 1–2 ft	SE-M-N-7-8-230831-02-03 8/31/2023 2–3 ft	SE-M-N-7-8-230831-03-04 8/31/2023 3–4 ft	SE-M-N-7-8-230831-04-05 8/31/2023 4–5 ft	SE-M-N-7-8-230831-05-06 8/31/2023 5–6 ft
Conventional Parameters (percent)									
Organic Content	D2974	--	--	--	--	78.9	--	--	--
Conventional Parameters (unitless)									
Plastic limit	D4318	--	--	--	--	Non-plastic	--	--	Non-plastic
Plasticity index	D4318	--	--	--	--	Non-plastic	--	--	Non-plastic
Specific gravity	D1429	--	--	--	--	1.2	--	--	--
Liquid limit	D4318	--	--	--	--	Non-plastic	--	--	Non-plastic
Liquidity Index	D4318	--	--	--	--	Non-plastic	--	--	Non-plastic
Conventional Parameters (percent)									
Moisture (water) content	D2216	--	--	--	--	458	--	--	524
Total solids	SM2540D	89.7	31.1	16.7	21.3	20.6	15.7	17.5	16.3
Total solids	SM2540E	--	--	--	--	--	--	--	--
Total solids	SM2540G	--	--	--	--	--	--	--	--
Conventional Parameters (lb/ft³)									
Density (bulk)	D2937	--	--	--	--	6.9	--	--	--
Grain Size (pct)									
Gravel	D422	--	--	--	--	0	--	--	0
Percent passing (hydrometer 1)	D422	--	--	--	--	16	--	--	14
Percent passing (hydrometer 2)	D422	--	--	--	--	6.6	--	--	6.5
Percent passing (hydrometer 3)	D422	--	--	--	--	2.8	--	--	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	--	--	--	--	49.3	--	--	54.3
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	--	--	--	--	59.4	--	--	62.6
Percent passing 75-micron sieve (No. 200)	D422	--	--	--	--	39.6	--	--	43.3
Percent passing 8.0-micron	D422	--	--	--	--	100	--	--	100
Percent retained 16,000-micron sieve	D422	--	--	--	--	96	--	--	92.9
Percent retained 30-micron sieve	D422	--	--	--	--	81.9	--	--	79.2
Sand	D422	--	--	--	--	60.4	--	--	56.7
Silt	D422	--	--	--	--	39.6	--	--	43.3
PCB Aroclors (mg/kg)									
Aroclor 1016	SW8082A	ND (0.021)	ND (0.12)	ND (0.24)	ND (0.18)	ND (0.19)	ND (0.25)	ND (0.23)	ND (0.12)
Aroclor 1221	SW8082A	ND (0.021)	ND (0.12)	ND (0.24)	ND (0.18)	ND (0.19)	ND (0.25)	ND (0.23)	ND (0.12)
Aroclor 1232	SW8082A	ND (0.021)	ND (0.12)	ND (0.24)	ND (0.18)	ND (0.19)	ND (0.25)	ND (0.23)	ND (0.12)
Aroclor 1242	SW8082A	ND (0.021)	ND (0.12)	ND (0.24)	ND (0.18)	ND (0.19)	ND (0.25)	ND (0.23)	ND (0.12)
Aroclor 1248	SW8082A	ND (0.021)	ND (0.12)	ND (0.24)	ND (0.18)	ND (0.19)	ND (0.25)	ND (0.23)	ND (0.12)
Aroclor 1254	SW8082A	ND (0.021)	ND (0.12)	ND (0.24)	ND (0.18)	ND (0.19)	ND (0.25)	ND (0.23)	ND (0.12)
Aroclor 1260	SW8082A	4.16	23.2 J	34.6	2.37	0.129 J	ND (0.25)	ND (0.23)	ND (0.12)
Total PCB Aroclors (ND = 0 max limit)		4.16	23.2 J	34.6	2.37	0.129 J	ND (0.21)	ND (0.19)	ND (0.10)

Table 1
Summary of 2023 Reach 6 PDI Sediment Sampling Results

Notes:

Bold: Detected result

Calculated values have been rounded to laboratory-reported significant digits

--: not applicable

ft: foot

J: estimated value

lb/ft³: pound per cubic foot

mg/kg: milligram per kilogram

N: presumptive evidence

ND: compound analyzed for, but not detected above detection limit

PCB: polychlorinated biphenyl

R: rejected

Table 2
Summary of 2023 Reach 6 PDI Sediment EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	SE-574-00-C 184844.77 2957195.85 1–2 ft		SE-574-00-E 184887.29 2957178.27 1–2 ft		SE-578-99-W 184529.64 2956783.8 1–2 ft		SE-D-E-4-5 185587.19 2958316.38 1–2 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-574-00-C-230914-01-02	H4-SE001918-0-0010	SE-574-00-E-230918-01-02	H4-SE001920-0-0010	SE-578-99-W-230915-01-02	H4-SE001919-0-0010	SE-D-E-4-5-230817-01-02	H4-SE001893-0-0010
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (40)	ND (57)	ND (52)	ND (84)	ND (40)	ND (81)	ND (43)	ND (75)
Aroclor-1221	ND (40)	ND (57)	ND (52)	ND (84)	ND (40)	ND (81)	ND (43)	ND (75)
Aroclor-1232	ND (40)	ND (57)	ND (52)	ND (84)	ND (40)	ND (81)	ND (43)	ND (75)
Aroclor-1242	ND (40)	ND (57)	ND (52)	ND (84)	ND (40)	ND (81)	ND (43)	ND (75)
Aroclor-1248	ND (40)	ND (57)	ND (52)	ND (84)	ND (40)	ND (81)	ND (43)	ND (75)
Aroclor-1254	ND (40)	ND (57)	ND (52)	ND (84)	ND (40)	ND (81)	ND (43)	ND (75)
Aroclor-1260	5080	1000 J	488	120 J	31100	2600 J	4560	280
Aroclor-1262	--	ND (57)	--	ND (84)	--	ND (81)	--	ND (75)
Aroclor-1268	--	ND (57)	--	ND (84)	--	ND (81)	--	ND (75)
Total PCBs (ND = 0)	5080	1000 J	488	120 J	31100	2600 J	4560	280

Table 2
Summary of 2023 Reach 6 PDI Sediment EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	SE-E-F-5-6 185794.72 2958091.83 0–0.5 ft		SE-E-F-7-8 186200.25 2958087.56 2–3 ft		SE-E-F-8 186349.17 2958065.64 3–4 ft		SE-F-2 185049.48 2958041.32 2–3 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-E-F-5-6-230821-00-01	H4-SE001894-0-0000	SE-E-F-7-8-230821-02-03	H4-SE001895-0-0020	SE-E-F-8-230822-03-04	H4-SE001898-0-0030	SE-F-2-230824-02-03	H4-SE001906-0-0020
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (54)	ND (77)	ND (51)	ND (89)	ND (23)	ND (43)	ND (24)	ND (40)
Aroclor-1221	ND (54)	ND (77)	ND (51)	ND (89)	ND (23)	ND (43)	ND (24)	ND (40)
Aroclor-1232	ND (54)	ND (77)	ND (51)	ND (89)	ND (23)	ND (43)	ND (24)	ND (40)
Aroclor-1242	ND (54)	ND (77)	ND (51)	ND (89)	ND (23)	69	ND (24)	ND (40)
Aroclor-1248	ND (54)	ND (77)	ND (51)	ND (89)	ND (23)	ND (43)	ND (24)	ND (40)
Aroclor-1254	ND (54)	ND (77)	ND (51)	ND (89)	ND (23)	ND (43)	ND (24)	ND (40)
Aroclor-1260	4390	950	62800	1700	41.8	57 J	ND (24)	11 J
Aroclor-1262	--	ND (77)	--	ND (89)	--	ND (43)	--	ND (40)
Aroclor-1268	--	ND (77)	--	ND (89)	--	ND (43)	--	ND (40)
Total PCBs (ND = 0)	4390	950	62800	1700	41.8	126 J	ND (24)	11 J

Table 2
Summary of 2023 Reach 6 PDI Sediment EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	SE-F-3 185334.99 2957960.01 3–4 ft		SE-F-6 185892.95 2957994.23 1–2 ft		SE-F-G-2-3 185196.34 2957896.20 3–4 ft		SE-F-G-5-6 185800.76 2957900.12 7–8 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-F-3-230822-03-04	H4-SE001899-0-0030	SE-F-6-230824-01-02	H4-SE001905-0-0010	SE-F-G-2-3-230824-03-04	H4-SE001907-0-0030	SE-F-G-5-6-230822-07-08	H4-SE001896-0-0070
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (31)	ND (60)	ND (35)	ND (56)	ND (64)	ND (77)	--	ND (42)
Aroclor-1221	ND (31)	ND (60)	ND (35)	ND (56)	ND (64)	ND (77)	--	ND (42)
Aroclor-1232	ND (31)	ND (60)	ND (35)	ND (56)	ND (64)	ND (77)	--	ND (42)
Aroclor-1242	ND (31)	ND (60)	ND (35)	ND (56)	ND (64)	ND (77)	--	ND (42)
Aroclor-1248	ND (31)	ND (60)	ND (35)	ND (56)	ND (64)	ND (77)	--	ND (42)
Aroclor-1254	ND (31)	ND (60)	ND (35)	ND (56)	ND (64)	ND (77)	--	ND (42)
Aroclor-1260	119	12 J	ND (35)	170	ND (64)	ND (77)	--	ND (42)
Aroclor-1262	--	ND (60)	--	ND (56)	--	ND (77)	--	ND (42)
Aroclor-1268	--	ND (60)	--	ND (56)	--	ND (77)	--	ND (42)
Total PCBs (ND = 0)	119	12 J	ND (35)	170	ND (64)	ND (77)	--	ND (42)

Table 2
Summary of 2023 Reach 6 PDI Sediment EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	SE-F-G-6-7 186004.90 2957898.36 8–9 ft		SE-F-G-8 186253.63 2957865.01 5–6 ft		SE-F-G-8-9 186396.11 2957897 0–0.5 ft		SE-G-5 185696.93 2957796.26 1–2 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-F-G-6-7-230822-08-09	H4-SE001897-0-0070	SE-F-G-8-230823-05-06	H4-SE001900-0-0050	SE-F-G-8-9-230823-00-01	H4-SE001904-0-0000	SE-G-5-230823-01-02	H4-SE001902-0-0010
PCB Aroclors (µg/kg)								
Aroclor-1016	--	ND (42)	ND (31)	ND (54)	ND (96)	ND (150)	ND (46)	ND (100)
Aroclor-1221	--	ND (42)	ND (31)	ND (54)	ND (96)	ND (150)	ND (46)	ND (100)
Aroclor-1232	--	ND (42)	ND (31)	ND (54)	ND (96)	ND (150)	ND (46)	ND (100)
Aroclor-1242	--	ND (42)	ND (31)	ND (54)	ND (96)	ND (150)	ND (46)	ND (100)
Aroclor-1248	--	ND (42)	ND (31)	ND (54)	ND (96)	ND (150)	ND (46)	ND (100)
Aroclor-1254	--	ND (42)	ND (31)	ND (54)	ND (96)	ND (150)	ND (46)	ND (100)
Aroclor-1260	--	ND (42)	ND (31)	ND (54)	4780	46 J	1610	220
Aroclor-1262	--	ND (42)	--	ND (54)	--	ND (150)	--	ND (100)
Aroclor-1268	--	ND (42)	--	ND (54)	--	ND (150)	--	ND (100)
Total PCBs (ND = 0)	--	ND (42)	ND (31)	ND (54)	4780	46 J	1610	220

Table 2
Summary of 2023 Reach 6 PDI Sediment EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	SE-G-7 186097.97 2957797.42 2–3 ft		SE-G-H-9-10 186622.87 2957673.74 3–4 ft		SE-I-1-2 184978.35 2957564.80 1–2 ft		SE-I-3 185290.79 2957391.64 2–3 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-G-7-230823-02-03	H4-SE001901-0-0020	SE-G-H-9-10-230823-03-04	H4-SE001903-0-0030	SE-I-1-2-230913-01-02	H4-SE001917-0-0010	SE-I-3-230829-02-03	H4-SE001910-0-0020
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (29)	ND (50)	ND (58)	ND (58)	ND (61)	ND (98)	ND (27)	ND (47)
Aroclor-1221	ND (29)	ND (50)	ND (58)	ND (58)	ND (61)	ND (98)	ND (27)	ND (47)
Aroclor-1232	ND (29)	ND (50)	ND (58)	ND (58)	ND (61)	ND (98)	ND (27)	ND (47)
Aroclor-1242	ND (29)	ND (50)	ND (58)	ND (58)	ND (61)	ND (98)	ND (27)	ND (47)
Aroclor-1248	ND (29)	ND (50)	ND (58)	ND (58)	ND (61)	ND (98)	ND (27)	ND (47)
Aroclor-1254	ND (29)	ND (50)	ND (58)	ND (58)	ND (61)	ND (98)	ND (27)	ND (47)
Aroclor-1260	864	14 J	ND (58)	ND (58)	17400	3100	14.3 J	32 J
Aroclor-1262	--	ND (50)	--	ND (58)	--	ND (98)	--	ND (47)
Aroclor-1268	--	ND (50)	--	ND (58)	--	ND (98)	--	ND (47)
Total PCBs (ND = 0)	864	14 J	ND (58)	ND (58)	17400	3100	14.3 J	32 J

Table 2
Summary of 2023 Reach 6 PDI Sediment EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	SE-I-4 185510.95 2957397.04 2–3 ft		SE-I-6-7 185973.68 2957332.23 2–3 ft		SE-I-J-3-4 185398.32 2957300.35 1–2 ft		SE-I-J-5-6 185794.91 2957300.75 1–2 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-I-4-230829-02-03	H4-SE001909-0-0020	SE-I-6-7-230830-02-03	H4-SE001915-0-0020	SE-I-J-3-4-230828-01-02	H4-SE001908-0-0010	SE-I-J-5-6-230829-01-02	H4-SE001911-0-0010
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (54)	ND (84)	ND (130)	ND (200)	ND (63)	ND (120)	ND (31)	ND (48)
Aroclor-1221	ND (54)	ND (84)	ND (130)	ND (200)	ND (63)	ND (120)	ND (31)	ND (48)
Aroclor-1232	ND (54)	ND (84)	ND (130)	ND (200)	ND (63)	ND (120)	ND (31)	ND (48)
Aroclor-1242	ND (54)	ND (84)	ND (130)	ND (200)	ND (63)	ND (120)	ND (31)	ND (48)
Aroclor-1248	ND (54)	ND (84)	ND (130)	ND (200)	ND (63)	ND (120)	ND (31)	ND (48)
Aroclor-1254	ND (54)	ND (84)	ND (130)	ND (200)	ND (63)	ND (120)	ND (31)	ND (48)
Aroclor-1260	130	120 J	ND (130)	ND (200)	251	110 J	ND (31)	ND (48)
Aroclor-1262	--	ND (84)	--	ND (200)	--	ND (120)	--	ND (48)
Aroclor-1268	--	ND (84)	--	ND (200)	--	ND (120)	--	ND (48)
Total PCBs (ND = 0)	130	120 J	ND (130)	ND (200)	251	110 J	ND (31)	ND (48)

Table 2
Summary of 2023 Reach 6 PDI Sediment EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	SE-J-5 185693.17 2957200.87 1–2 ft		SE-J-K-4-5 185594.75 2957069.99 1–2 ft		SE-J-K-5-6 185799.55 2957101.58 1–2 ft		SE-M-8 186331.47 2956574.71 0–0.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	SE-J-5-230830-01-02	H4-SE001913-0-0010	SE-J-K-4-5-230830-01-02	SE001912-0-0010 [H4-SE001912-1-	SE-J-K-5-6-230830-01-02	H4-SE001914-0-0010	SE-M-8-230831-00-01	H4-SE001916-0-0000
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (59)	ND (93)	ND (63)	ND (85) [ND (65)]	ND (110)	ND (180)	ND (69)	ND (120)
Aroclor-1221	ND (59)	ND (93)	ND (63)	ND (85) [ND (65)]	ND (110)	ND (180)	ND (69)	ND (120)
Aroclor-1232	ND (59)	ND (93)	ND (63)	ND (85) [ND (65)]	ND (110)	ND (180)	ND (69)	ND (120)
Aroclor-1242	ND (59)	ND (93)	ND (63)	ND (85) [ND (65)]	ND (110)	ND (180)	ND (69)	ND (120)
Aroclor-1248	ND (59)	ND (93)	ND (63)	ND (85) [ND (65)]	ND (110)	ND (180)	ND (69)	ND (120)
Aroclor-1254	ND (59)	ND (93)	ND (63)	ND (85) [ND (65)]	ND (110)	ND (180)	ND (69)	ND (120)
Aroclor-1260	40.7 J	39 J	ND (63)	31 J [15 J]	ND (110)	83 J	6780 J	1900 J
Aroclor-1262	--	ND (93)	--	ND (85) [ND (65)]	--	ND (180)	--	ND (120)
Aroclor-1268	--	ND (93)	--	ND (85) [ND (65)]	--	ND (180)	--	ND (120)
Total PCBs (ND = 0)	40.7 J	39 J	ND (63)	31 J [15 J]	ND (110)	83 J	6780 J	1900 J

Table 2
Summary of 2023 Reach 6 PDI Sediment EPA PCB Split Sample Results

Notes:

Bold: Detected result

--: not applicable

µg/kg: microgram per kilogram

ft: foot

J: Estimated value

ND: Compound analyzed for, but not detected above detection limit

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AA-5-6-231009-00-06 10/9/2023 0–6 inches	EA56-AA-5-6-231009-06-12 10/9/2023 6–12 inches	EA56A-AA-17-231012-00-06 10/12/2023 0–6 inches	EA56A-AA-17-231012-06-12 10/12/2023 6–12 inches	EA56A-AB-15-231012-00-06 10/12/2023 0–6 inches	EA56A-AB-15-231012-06-12 10/12/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	18.5	26.9	--	--	--	--
Total solids	SM2540G	--	--	14.1	12.1	22.4	45.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.11)	ND (0.070)	ND (0.13)	ND (0.16)	ND (0.088)	ND (0.042)
Aroclor 1221	SW8082A	ND (0.11)	ND (0.070)	ND (0.13)	ND (0.16)	ND (0.088)	ND (0.042)
Aroclor 1232	SW8082A	ND (0.11)	ND (0.070)	ND (0.13)	ND (0.16)	ND (0.088)	ND (0.042)
Aroclor 1242	SW8082A	ND (0.11)	ND (0.070)	ND (0.13)	ND (0.16)	ND (0.088)	ND (0.042)
Aroclor 1248	SW8082A	ND (0.11)	ND (0.070)	ND (0.13)	ND (0.16)	ND (0.088)	ND (0.042)
Aroclor 1254	SW8082A	ND (0.11)	ND (0.070)	ND (0.13)	ND (0.16)	ND (0.088)	ND (0.042)
Aroclor 1260	SW8082A	ND (0.11)	ND (0.070)	1.25	2.05	0.485	0.187
Total PCB Aroclors (U = 0 max limit)		ND (0.088)	ND (0.06)	1.25	2.05	0.485	0.187

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-AB-8-9-231012-00-06 10/12/2023 0–6 inches	EA56A-AC-10-231011-00-06 10/12/2023 0–6 inches	EA56A-AC-10-231011-06-12 10/11/2023 6–12 inches	EA56A-AC-10-BD0001 10/12/2023 0–6 inches	EA56A-AC-13-231012-00-06 10/12/2023 0–6 inches	EA56A-AC-13-231012-06-12 10/12/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	37.9	--	--	--	--	--
Total solids	SM2540G	--	16.1	29.3	16.1	12.2	49.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.048)	ND (0.12)	ND (0.066)	ND (0.12)	ND (0.16)	ND (0.039)
Aroclor 1221	SW8082A	ND (0.048)	ND (0.12)	ND (0.066)	ND (0.12)	ND (0.16)	ND (0.039)
Aroclor 1232	SW8082A	ND (0.048)	ND (0.12)	ND (0.066)	ND (0.12)	ND (0.16)	ND (0.039)
Aroclor 1242	SW8082A	ND (0.048)	ND (0.12)	ND (0.066)	ND (0.12)	ND (0.16)	ND (0.039)
Aroclor 1248	SW8082A	ND (0.048)	ND (0.12)	ND (0.066)	ND (0.12)	ND (0.16)	ND (0.039)
Aroclor 1254	SW8082A	ND (0.048)	ND (0.12)	ND (0.066)	ND (0.12)	ND (0.16)	ND (0.039)
Aroclor 1260	SW8082A	ND (0.048)	0.269	ND (0.066)	0.449	0.568 J	0.0398
Total PCB Aroclors (U = 0 max limit)		ND (0.040)	0.269	ND (0.054)	0.449	0.568 J	0.0398

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-AE-19-231012-06-12 10/12/2023 6–12 inches	EA56A-AE-19-BD0001 10/12/2023 6–12 inches	EA56A-AF-18-19-231012-00-06 10/12/2023 0–6 inches	EA56A-AF-18-19-231012-06-12 10/12/2023 6–12 inches	EA56A-AH-18-19-231012-00-06 10/12/2023 0–6 inches	EA56A-AH-18-19-231012-06-12 10/12/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	--	--
Total solids	SM2540G	28.5	33.7	22.1	51.3	35.7	37.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.067)	ND (0.056)	ND (0.085)	ND (0.038)	ND (0.055)	ND (0.050)
Aroclor 1221	SW8082A	ND (0.067)	ND (0.056)	ND (0.085)	ND (0.038)	ND (0.055)	ND (0.050)
Aroclor 1232	SW8082A	ND (0.067)	ND (0.056)	ND (0.085)	ND (0.038)	ND (0.055)	ND (0.050)
Aroclor 1242	SW8082A	ND (0.067)	ND (0.056)	ND (0.085)	ND (0.038)	ND (0.055)	ND (0.050)
Aroclor 1248	SW8082A	ND (0.067)	ND (0.056)	ND (0.085)	ND (0.038)	ND (0.055)	ND (0.050)
Aroclor 1254	SW8082A	ND (0.067)	ND (0.056)	ND (0.085)	ND (0.038)	ND (0.055)	ND (0.050)
Aroclor 1260	SW8082A	0.54	0.342	0.753	0.0475	0.33	0.872
Total PCB Aroclors (U = 0 max limit)		0.54	0.342	0.753	0.0475	0.33	0.872

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-AJ-18-19-231012-00-06 10/12/2023 0–6 inches	EA56A-AJ-18-19-231012-06-12 10/12/2023 6–12 inches	EA56A-AL-AM-18-231012-06-12 10/12/2023 6–12 inches	EA56A-AN-17-18-231012-00-06 10/12/2023 0–6 inches	EA56A-AN-17-18-231012-06-12 10/12/2023 6–12 inches	EA56A-AP-17-231012-00-06 10/12/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	--	--
Total solids	SM2540G	14	14.1	61	17.3	15.3	13.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.13)	ND (0.14)	ND (0.032)	ND (0.10)	ND (0.12)	ND (0.14)
Aroclor 1221	SW8082A	ND (0.13)	ND (0.14)	ND (0.032)	ND (0.10)	ND (0.12)	ND (0.14)
Aroclor 1232	SW8082A	ND (0.13)	ND (0.14)	ND (0.032)	ND (0.10)	ND (0.12)	ND (0.14)
Aroclor 1242	SW8082A	ND (0.13)	ND (0.14)	ND (0.032)	ND (0.10)	ND (0.12)	ND (0.14)
Aroclor 1248	SW8082A	ND (0.13)	ND (0.14)	ND (0.032)	ND (0.10)	ND (0.12)	ND (0.14)
Aroclor 1254	SW8082A	ND (0.13)	ND (0.14)	ND (0.032)	ND (0.10)	ND (0.12)	ND (0.14)
Aroclor 1260	SW8082A	0.358	0.962	0.112	0.538	2.89	1.4
Total PCB Aroclors (U = 0 max limit)		0.358	0.962	0.112	0.538	2.89	1.4

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-AP-17-231012-06-12 10/12/2023 6–12 inches	EA56A-AR-16-17-231012-00-06 10/12/2023 0–6 inches	EA56A-AR-16-17-231012-06-12 10/12/2023 6–12 inches	EA56A-AS-AT-15-16-231012-06-12 10/12/2023 6–12 inches	EA56A-AS-AT-15-16-BD0001 10/12/2023 6–12 inches	EA56A-AV-15-16-231012-00-06 10/12/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	--	--
Total solids	SM2540G	17.6	23	41.7	64.8	64.4	13.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.11)	ND (0.085)	ND (0.045)	ND (0.028)	ND (0.029)	ND (0.15)
Aroclor 1221	SW8082A	ND (0.11)	ND (0.085)	ND (0.045)	ND (0.028)	ND (0.029)	ND (0.15)
Aroclor 1232	SW8082A	ND (0.11)	ND (0.085)	ND (0.045)	ND (0.028)	ND (0.029)	ND (0.15)
Aroclor 1242	SW8082A	ND (0.11)	ND (0.085)	ND (0.045)	ND (0.028)	ND (0.029)	ND (0.15)
Aroclor 1248	SW8082A	ND (0.11)	ND (0.085)	ND (0.045)	ND (0.028)	ND (0.029)	ND (0.15)
Aroclor 1254	SW8082A	ND (0.11)	ND (0.085)	ND (0.045)	ND (0.028)	ND (0.029)	ND (0.15)
Aroclor 1260	SW8082A	1.64	2.41	1.56	ND (0.028)	ND (0.029)	4.05
Total PCB Aroclors (U = 0 max limit)		1.64	2.41	1.56	ND (0.023)	ND (0.024)	4.05

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-AV-15-16-231012-06-12 10/12/2023 6–12 inches	EA56A-AW-AX-14-231013-00-06 10/13/2023 0–6 inches	EA56A-AW-AX-14-231013-06-12 10/13/2023 6–12 inches	EA56A-AY-AZ-13-14-231013-00-06 10/13/2023 0–6 inches	EA56A-AY-AZ-13-14-231013-06-12 10/13/2023 6–12 inches	EA56-AB-23-230926-00-06 9/26/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	--	41.4
Total solids	SM2540G	52.8	21.2	21.1	31.5	29.3	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.034)	ND (0.091)	ND (0.089)	ND (0.059)	ND (0.062)	ND (0.044)
Aroclor 1221	SW8082A	ND (0.034)	ND (0.091)	ND (0.089)	ND (0.059)	ND (0.062)	ND (0.044)
Aroclor 1232	SW8082A	ND (0.034)	ND (0.091)	ND (0.089)	ND (0.059)	ND (0.062)	ND (0.044)
Aroclor 1242	SW8082A	ND (0.034)	ND (0.091)	ND (0.089)	ND (0.059)	ND (0.062)	ND (0.044)
Aroclor 1248	SW8082A	ND (0.034)	ND (0.091)	ND (0.089)	ND (0.059)	ND (0.062)	ND (0.044)
Aroclor 1254	SW8082A	ND (0.034)	ND (0.091)	ND (0.089)	ND (0.059)	ND (0.062)	ND (0.044)
Aroclor 1260	SW8082A	0.1 J	0.725	6.03	2.72	4.24	5.49
Total PCB Aroclors (U = 0 max limit)		0.10 J	0.725	6.03	2.72	4.24	5.49

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AB-23-230926-06-12 9/26/2023 6–12 inches	EA56-AB-AC-7-231009-00-06 10/9/2023 0–6 inches	EA56-AB-AC-7-231009-06-12 10/9/2023 6–12 inches	EA56A-BB-BC-10-231013-00-06 10/13/2023 0–6 inches	EA56A-BB-BC-10-231013-06-12 10/13/2023 6–12 inches	EA56A-BB-BC-8-9-231017-00-06 10/17/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	42.7	21.1	22.7	--	--	--
Total solids	SM2540G	--	--	--	11.8	32.5	11.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.046)	ND (0.088)	ND (0.080)	ND (0.17)	ND (0.058)	ND (0.15)
Aroclor 1221	SW8082A	ND (0.046)	ND (0.088)	ND (0.080)	ND (0.17)	ND (0.058)	ND (0.15)
Aroclor 1232	SW8082A	ND (0.046)	ND (0.088)	ND (0.080)	ND (0.17)	ND (0.058)	ND (0.15)
Aroclor 1242	SW8082A	ND (0.046)	ND (0.088)	ND (0.080)	ND (0.17)	ND (0.058)	ND (0.15)
Aroclor 1248	SW8082A	ND (0.046)	ND (0.088)	ND (0.080)	ND (0.17)	ND (0.058)	ND (0.15)
Aroclor 1254	SW8082A	ND (0.046)	ND (0.088)	ND (0.080)	ND (0.17)	ND (0.058)	ND (0.15)
Aroclor 1260	SW8082A	17.7	ND (0.088)	ND (0.080)	114	0.773	3.05
Total PCB Aroclors (U = 0 max limit)		17.7	ND (0.073)	ND (0.07)	114	0.773	3.05

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-BB-BC-8-9-231017-06-12 10/17/2023 6–12 inches	EA56A-BC-10-11-231013-00-06 10/13/2023 0–6 inches	EA56A-BC-10-11-231013-06-12 10/13/2023 6–12 inches	EA56A-BC-BD-13-231013-00-06 10/13/2023 0–6 inches	EA56A-BC-BD-13-231013-06-12 10/13/2023 6–12 inches	EA56A-BD-6-7-231013-00-06 10/13/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	--	--
Total solids	SM2540G	28.7	18.2	25	32.2	42.7	26.2
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.063)	ND (0.10)	ND (0.075)	ND (0.054)	ND (0.043)	ND (0.076)
Aroclor 1221	SW8082A	ND (0.063)	ND (0.10)	ND (0.075)	ND (0.054)	ND (0.043)	ND (0.076)
Aroclor 1232	SW8082A	ND (0.063)	ND (0.10)	ND (0.075)	ND (0.054)	ND (0.043)	ND (0.076)
Aroclor 1242	SW8082A	ND (0.063)	ND (0.10)	ND (0.075)	ND (0.054)	ND (0.043)	ND (0.076)
Aroclor 1248	SW8082A	ND (0.063)	ND (0.10)	ND (0.075)	ND (0.054)	ND (0.043)	ND (0.076)
Aroclor 1254	SW8082A	ND (0.063)	ND (0.10)	ND (0.075)	ND (0.054)	ND (0.043)	ND (0.076)
Aroclor 1260	SW8082A	0.0503 J	68.3	1.82	6.53	0.994	1.35 J
Total PCB Aroclors (U = 0 max limit)		0.0503 J	68.3	1.82	6.53	0.994	1.35 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-BD-6-7-231013-06-12 10/13/2023 6–12 inches	EA56A-BD-6-7-BD0001 10/13/2023 0–6 inches	EA56-AC-16-17-231017-00-06 10/17/2023 0–6 inches	EA56-AC-16-17-231017-06-12 10/17/2023 6–12 inches	EA56-AC-18-19-231012-00-06 10/12/2023 0–6 inches	EA56-AC-18-19-231012-06-12 10/12/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	--	--
Total solids	SM2540G	40.7	21.6	22.4	50.2	13.8	29.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.045)	ND (0.093)	ND (0.083)	ND (0.037)	ND (0.14)	ND (0.065)
Aroclor 1221	SW8082A	ND (0.045)	ND (0.093)	ND (0.083)	ND (0.037)	ND (0.14)	ND (0.065)
Aroclor 1232	SW8082A	ND (0.045)	ND (0.093)	ND (0.083)	ND (0.037)	ND (0.14)	ND (0.065)
Aroclor 1242	SW8082A	ND (0.045)	ND (0.093)	ND (0.083)	ND (0.037)	ND (0.14)	ND (0.065)
Aroclor 1248	SW8082A	ND (0.045)	ND (0.093)	ND (0.083)	ND (0.037)	ND (0.14)	ND (0.065)
Aroclor 1254	SW8082A	ND (0.045)	ND (0.093)	ND (0.083)	ND (0.037)	ND (0.14)	ND (0.065)
Aroclor 1260	SW8082A	14.8	27.6 J	0.325 J	0.0802	0.302	0.802
Total PCB Aroclors (U = 0 max limit)		14.8	27.6 J	0.325 J	0.0802	0.302	0.802

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AC-AD-10-231012-00-06 10/12/2023 0–6 inches	EA56-AC-AD-10-231012-06-12 10/12/2023 6–12 inches	EA56-AC-AD-23-230926-00-06 9/26/2023 0–6 inches	EA56-AC-AD-23-230926-06-12 9/26/2023 6–12 inches	EA56-AC-AD-23-BD0001 9/26/2023 6–12 inches	EA56-AD-12-231012-00-06 10/12/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	45.4	46.5	46.1	--
Total solids	SM2540G	18.6	55.6	--	--	--	16.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.11)	ND (0.034)	ND (0.043)	ND (0.041)	ND (0.040)	ND (0.11)
Aroclor 1221	SW8082A	ND (0.11)	ND (0.034)	ND (0.043)	ND (0.041)	ND (0.040)	ND (0.11)
Aroclor 1232	SW8082A	ND (0.11)	ND (0.034)	ND (0.043)	ND (0.041)	ND (0.040)	ND (0.11)
Aroclor 1242	SW8082A	ND (0.11)	ND (0.034)	ND (0.043)	ND (0.041)	ND (0.040)	ND (0.11)
Aroclor 1248	SW8082A	ND (0.11)	ND (0.034)	ND (0.043)	ND (0.041)	ND (0.040)	ND (0.11)
Aroclor 1254	SW8082A	ND (0.11)	ND (0.034)	ND (0.043)	ND (0.041)	ND (0.040)	ND (0.11)
Aroclor 1260	SW8082A	0.238	ND (0.034)	4.73	18.4	23.7	0.409
Total PCB Aroclors (U = 0 max limit)		0.238	ND (0.028)	4.73	18.4	23.7	0.409

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AD-12-231012-06-12 10/12/2023 6–12 inches	EA56-AD-15-231017-00-06 10/17/2023 0–6 inches	EA56-AD-15-231017-06-12 10/17/2023 6–12 inches	EA56-AD-15-BD0001 10/17/2023 6–12 inches	EA56A-D-20-231006-00-06 10/6/2023 0–6 inches	EA56A-D-20-231006-06-12 10/6/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	39.2	41.9
Total solids	SM2540G	31.9	20	49.5	44.9	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.060)	ND (0.10)	ND (0.040)	ND (0.044)	ND (0.051)	ND (0.046)
Aroclor 1221	SW8082A	ND (0.060)	ND (0.10)	ND (0.040)	ND (0.044)	ND (0.051)	ND (0.046)
Aroclor 1232	SW8082A	ND (0.060)	ND (0.10)	ND (0.040)	ND (0.044)	ND (0.051)	ND (0.046)
Aroclor 1242	SW8082A	ND (0.060)	ND (0.10)	ND (0.040)	ND (0.044)	ND (0.051)	ND (0.046)
Aroclor 1248	SW8082A	ND (0.060)	ND (0.10)	ND (0.040)	ND (0.044)	ND (0.051)	ND (0.046)
Aroclor 1254	SW8082A	ND (0.060)	ND (0.10)	ND (0.040)	ND (0.044)	ND (0.051)	ND (0.046)
Aroclor 1260	SW8082A	0.0622	0.474	0.0412 J	0.232 J	1.86	1.78
Total PCB Aroclors (U = 0 max limit)		0.0622	0.474	0.0412 J	0.232 J	1.86	1.78

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AD-6-231009-00-06 10/9/2023 0–6 inches	EA56-AD-6-231009-06-12 10/9/2023 6–12 inches	EA56-AD-6-BD0001 10/9/2023 0–6 inches	EA56-AE-13-231017-00-06 10/17/2023 0–6 inches	EA56-AE-13-231017-06-12 10/17/2023 6–12 inches	EA56-AE-17-231017-00-06 10/17/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	35.5	31.3	36.4	--	--	--
Total solids	SM2540G	--	--	--	33.3	35.8	22.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.054)	ND (0.060)	ND (0.054)	ND (0.058)	ND (0.056)	ND (0.083)
Aroclor 1221	SW8082A	ND (0.054)	ND (0.060)	ND (0.054)	ND (0.058)	ND (0.056)	ND (0.083)
Aroclor 1232	SW8082A	ND (0.054)	ND (0.060)	ND (0.054)	ND (0.058)	ND (0.056)	ND (0.083)
Aroclor 1242	SW8082A	ND (0.054)	ND (0.060)	ND (0.054)	ND (0.058)	ND (0.056)	ND (0.083)
Aroclor 1248	SW8082A	ND (0.054)	ND (0.060)	ND (0.054)	ND (0.058)	ND (0.056)	ND (0.083)
Aroclor 1254	SW8082A	ND (0.054)	ND (0.060)	ND (0.054)	ND (0.058)	ND (0.056)	ND (0.083)
Aroclor 1260	SW8082A	ND (0.054)	ND (0.060)	ND (0.054)	0.0388 J	0.269	0.0460 J
Total PCB Aroclors (U = 0 max limit)		ND (0.045)	ND (0.05)	ND (0.045)	0.0388 J	0.269	0.0460 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AE-17-231017-06-12 10/17/2023 6–12 inches	EA56-AE-AF-10-11-231017-00-06 10/17/2023 0–6 inches	EA56-AE-AF-10-11-231017-06-12 10/17/2023 6–12 inches	EA56-AF-22-230927-00-06 9/27/2023 0–6 inches	EA56-AF-22-230927-06-12 9/27/2023 6–12 inches	EA56-AF-8-231006-00-06 10/6/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	43.8	48.7	15.6
Total solids	SM2540G	29.3	10.6	20	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.066)	ND (0.18)	ND (0.098)	ND (0.040)	ND (0.039)	ND (0.13)
Aroclor 1221	SW8082A	ND (0.066)	ND (0.18)	ND (0.098)	ND (0.040)	ND (0.039)	ND (0.13)
Aroclor 1232	SW8082A	ND (0.066)	ND (0.18)	ND (0.098)	ND (0.040)	ND (0.039)	ND (0.13)
Aroclor 1242	SW8082A	ND (0.066)	ND (0.18)	ND (0.098)	ND (0.040)	ND (0.039)	ND (0.13)
Aroclor 1248	SW8082A	ND (0.066)	ND (0.18)	ND (0.098)	ND (0.040)	ND (0.039)	ND (0.13)
Aroclor 1254	SW8082A	ND (0.066)	ND (0.18)	ND (0.098)	ND (0.040)	ND (0.039)	ND (0.13)
Aroclor 1260	SW8082A	0.1	0.242	0.0823 J	2.53	7.28	ND (0.13)
Total PCB Aroclors (U = 0 max limit)		0.1	0.242	0.0823 J	2.53	7.28	ND (0.10)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AF-8-231006-06-12 10/6/2023 6–12 inches	EA56-AF-AG-16-231017-00-06 10/17/2023 0–6 inches	EA56-AF-AG-16-231017-06-12 10/17/2023 6–12 inches	EA56-AG-12-231017-00-06 10/17/2023 0–6 inches	EA56-AG-12-231017-06-12 10/17/2023 6–12 inches	EA56-AG-17-231017-00-06 10/17/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	35.4	--	--	--	--	--
Total solids	SM2540G	--	15	42	20.7	37.8	11.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.053)	ND (0.13)	ND (0.048)	ND (0.089)	ND (0.051)	ND (0.17)
Aroclor 1221	SW8082A	ND (0.053)	ND (0.13)	ND (0.048)	ND (0.089)	ND (0.051)	ND (0.17)
Aroclor 1232	SW8082A	ND (0.053)	ND (0.13)	ND (0.048)	ND (0.089)	ND (0.051)	ND (0.17)
Aroclor 1242	SW8082A	ND (0.053)	ND (0.13)	ND (0.048)	ND (0.089)	ND (0.051)	ND (0.17)
Aroclor 1248	SW8082A	ND (0.053)	ND (0.13)	ND (0.048)	ND (0.089)	ND (0.051)	ND (0.17)
Aroclor 1254	SW8082A	ND (0.053)	ND (0.13)	ND (0.048)	ND (0.089)	ND (0.051)	ND (0.17)
Aroclor 1260	SW8082A	ND (0.053)	0.132	0.0210 J	0.0792 J	0.0954	0.234
Total PCB Aroclors (U = 0 max limit)		ND (0.044)	0.132	0.0210 J	0.0792 J	0.0954	0.234

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AG-17-231017-06-12 10/17/2023 6–12 inches	EA56-AG-6-231006-06-12 10/6/2023 6–12 inches	EA56-AG-AH-22-230926-00-06 9/26/2023 0–6 inches	EA56-AG-AH-22-230926-06-12 9/26/2023 6–12 inches	EA56-AH-14-15-231017-00-06 10/17/2023 0–6 inches	EA56-AH-14-15-231017-06-12 10/17/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	70.8	42.2	43.1	--	--
Total solids	SM2540G	15.6	--	--	--	36.1	58.4
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.13)	ND (0.028)	ND (0.044)	ND (0.040)	ND (0.052)	ND (0.032)
Aroclor 1221	SW8082A	ND (0.13)	ND (0.028)	ND (0.044)	ND (0.040)	ND (0.052)	ND (0.032)
Aroclor 1232	SW8082A	ND (0.13)	ND (0.028)	ND (0.044)	ND (0.040)	ND (0.052)	ND (0.032)
Aroclor 1242	SW8082A	ND (0.13)	ND (0.028)	ND (0.044)	ND (0.040)	ND (0.052)	ND (0.032)
Aroclor 1248	SW8082A	ND (0.13)	ND (0.028)	ND (0.044)	ND (0.040)	ND (0.052)	ND (0.032)
Aroclor 1254	SW8082A	ND (0.13)	ND (0.028)	ND (0.044)	ND (0.040)	ND (0.052)	ND (0.032)
Aroclor 1260	SW8082A	0.419	ND (0.028)	5.58	14.1	0.0371 J	0.0265 J
Total PCB Aroclors (U = 0 max limit)		0.419	ND (0.023)	5.58	14.1	0.0371 J	0.0265 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AI-16-231017-00-06 10/17/2023 0–6 inches	EA56-AI-16-231017-06-12 10/17/2023 6–12 inches	EA56-AI-AJ-12-13-231017-00-06 10/17/2023 0–6 inches	EA56-AI-AJ-12-13-231017-06-12 10/17/2023 6–12 inches	EA56-AI-AJ-8-231006-00-06 10/6/2023 0–6 inches	EA56-AI-AJ-8-231006-06-12 10/6/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	39.3	54.5
Total solids	SM2540G	16	53.6	12.2	36.7	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.12)	ND (0.035)	ND (0.15)	ND (0.051)	ND (0.049)	ND (0.034)
Aroclor 1221	SW8082A	ND (0.12)	ND (0.035)	ND (0.15)	ND (0.051)	ND (0.049)	ND (0.034)
Aroclor 1232	SW8082A	ND (0.12)	ND (0.035)	ND (0.15)	ND (0.051)	ND (0.049)	ND (0.034)
Aroclor 1242	SW8082A	ND (0.12)	ND (0.035)	ND (0.15)	ND (0.051)	ND (0.049)	ND (0.034)
Aroclor 1248	SW8082A	ND (0.12)	ND (0.035)	ND (0.15)	ND (0.051)	ND (0.049)	ND (0.034)
Aroclor 1254	SW8082A	ND (0.12)	ND (0.035)	ND (0.15)	ND (0.051)	ND (0.049)	ND (0.034)
Aroclor 1260	SW8082A	0.135	ND (0.035)	0.0823 J	0.0453 J	ND (0.049)	ND (0.034)
Total PCB Aroclors (U = 0 max limit)		0.135	ND (0.029)	0.0823 J	0.0453 J	ND (0.041)	ND (0.028)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AK-13-14-231017-00-06 10/17/2023 0–6 inches	EA56-AK-13-14-231017-06-12 10/17/2023 6–12 inches	EA56-AK-16-231017-00-06 10/17/2023 0–6 inches	EA56-AK-16-231017-06-12 10/17/2023 6–12 inches	EA56-AL-AM-12-13-231017-06-12 10/17/2023 6–12 inches	EA56-AM-15-16-231017-00-06 10/17/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	--	--
Total solids	SM2540G	12.7	48.8	28.9	59.5	49.7	18.1
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.15)	ND (0.041)	ND (0.065)	ND (0.034)	ND (0.039)	ND (0.11)
Aroclor 1221	SW8082A	ND (0.15)	ND (0.041)	ND (0.065)	ND (0.034)	ND (0.039)	ND (0.11)
Aroclor 1232	SW8082A	ND (0.15)	ND (0.041)	ND (0.065)	ND (0.034)	ND (0.039)	ND (0.11)
Aroclor 1242	SW8082A	ND (0.15)	ND (0.041)	ND (0.065)	ND (0.034)	ND (0.039)	ND (0.11)
Aroclor 1248	SW8082A	ND (0.15)	ND (0.041)	ND (0.065)	ND (0.034)	ND (0.039)	ND (0.11)
Aroclor 1254	SW8082A	ND (0.15)	ND (0.041)	ND (0.065)	ND (0.034)	ND (0.039)	ND (0.11)
Aroclor 1260	SW8082A	0.218	ND (0.041)	0.0473 J	ND (0.034)	ND (0.039)	ND (0.11)
Total PCB Aroclors (U = 0 max limit)		0.218	ND (0.034)	0.0473 J	ND (0.028)	ND (0.033)	ND (0.088)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AM-15-16-231017-06-12 10/17/2023 6–12 inches	EA56-AM-9-231006-06-12 10/6/2023 6–12 inches	EA56-AO-13-231017-00-06 10/17/2023 0–6 inches	EA56-AO-13-231017-06-12 10/17/2023 6–12 inches	EA56A-O-14-231012-00-06 10/12/2023 0–6 inches	EA56A-O-14-231012-06-12 10/12/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	43.6	--	--	20.5	26.5
Total solids	SM2540G	55.6	--	11.8	43.1	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.036)	ND (0.046)	ND (0.16)	ND (0.042)	ND (0.090)	ND (0.073)
Aroclor 1221	SW8082A	ND (0.036)	ND (0.046)	ND (0.16)	ND (0.042)	ND (0.090)	ND (0.073)
Aroclor 1232	SW8082A	ND (0.036)	ND (0.046)	ND (0.16)	ND (0.042)	ND (0.090)	ND (0.073)
Aroclor 1242	SW8082A	ND (0.036)	ND (0.046)	ND (0.16)	ND (0.042)	ND (0.090)	ND (0.073)
Aroclor 1248	SW8082A	ND (0.036)	ND (0.046)	ND (0.16)	ND (0.042)	ND (0.090)	ND (0.073)
Aroclor 1254	SW8082A	ND (0.036)	ND (0.046)	ND (0.16)	ND (0.042)	ND (0.090)	ND (0.073)
Aroclor 1260	SW8082A	ND (0.036)	ND (0.046)	0.184	ND (0.042)	0.864	5.11
Total PCB Aroclors (U = 0 max limit)		ND (0.030)	ND (0.038)	0.184	ND (0.035)	0.864	5.11

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AO-15-231017-00-06 10/17/2023 0–6 inches	EA56-AO-15-231017-06-12 10/17/2023 6–12 inches	EA56A-O-P-9-231012-00-06 10/12/2023 0–6 inches	EA56A-O-P-9-231012-06-12 10/12/2023 6–12 inches	EA56-AP-10-231017-00-06 10/17/2023 0–6 inches	EA56-AP-10-231017-06-12 10/17/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	19.5	57.8	--	--
Total solids	SM2540G	32	66.8	--	--	46.9	73.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.063)	ND (0.030)	ND (0.099)	ND (0.034)	ND (0.042)	ND (0.025)
Aroclor 1221	SW8082A	ND (0.063)	ND (0.030)	ND (0.099)	ND (0.034)	ND (0.042)	ND (0.025)
Aroclor 1232	SW8082A	ND (0.063)	ND (0.030)	ND (0.099)	ND (0.034)	ND (0.042)	ND (0.025)
Aroclor 1242	SW8082A	ND (0.063)	ND (0.030)	ND (0.099)	ND (0.034)	ND (0.042)	ND (0.025)
Aroclor 1248	SW8082A	ND (0.063)	ND (0.030)	ND (0.099)	ND (0.034)	ND (0.042)	ND (0.025)
Aroclor 1254	SW8082A	ND (0.063)	ND (0.030)	ND (0.099)	ND (0.034)	ND (0.042)	ND (0.025)
Aroclor 1260	SW8082A	0.0952	ND (0.030)	ND (0.099)	ND (0.034)	0.0226 J	ND (0.025)
Total PCB Aroclors (U = 0 max limit)		0.0952	ND (0.03)	ND (0.082)	ND (0.028)	0.0226 J	ND (0.021)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-P-11-231012-00-06 10/12/2023 0–6 inches	EA56A-P-11-231012-06-12 10/12/2023 6–12 inches	EA56-AP-11-12-231017-00-06 10/17/2023 0–6 inches	EA56-AP-11-12-231017-06-12 10/17/2023 6–12 inches	EA56-AP-11-12-BD0001 10/17/2023 0–6 inches	EA56-AP-AQ-30-31-230927-00-06 9/27/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	13.2	55.2	--	--	--	44.7
Total solids	SM2540G	--	--	13.4	71.4	14.1	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.14)	ND (0.032)	ND (0.14)	ND (0.027)	ND (0.14)	ND (0.043)
Aroclor 1221	SW8082A	ND (0.14)	ND (0.032)	ND (0.14)	ND (0.027)	ND (0.14)	ND (0.043)
Aroclor 1232	SW8082A	ND (0.14)	ND (0.032)	ND (0.14)	ND (0.027)	ND (0.14)	ND (0.043)
Aroclor 1242	SW8082A	ND (0.14)	ND (0.032)	ND (0.14)	ND (0.027)	ND (0.14)	ND (0.043)
Aroclor 1248	SW8082A	ND (0.14)	ND (0.032)	ND (0.14)	ND (0.027)	ND (0.14)	ND (0.043)
Aroclor 1254	SW8082A	ND (0.14)	ND (0.032)	ND (0.14)	ND (0.027)	ND (0.14)	ND (0.043)
Aroclor 1260	SW8082A	0.198	ND (0.032)	0.101 J	ND (0.027)	0.0666 J	4.49
Total PCB Aroclors (U = 0 max limit)		0.198	ND (0.027)	0.101 J	ND (0.022)	0.0666 J	4.49

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AP-AQ-30-31-230927-06-12 9/27/2023 6–12 inches	EA56-AQ-14-231017-00-06 10/17/2023 0–6 inches	EA56-AQ-14-231017-06-12 10/17/2023 6–12 inches	EA56A-Q-15-16-231012-00-06 10/12/2023 0–6 inches	EA56A-Q-15-16-231012-06-12 10/12/2023 6–12 inches	EA56A-Q-17-231011-00-06 10/11/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	47.2	--	--	28.9	30.9	57.8
Total solids	SM2540G	--	48.8	74.4	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.040)	ND (0.041)	ND (0.027)	ND (0.067)	ND (0.065)	ND (0.033)
Aroclor 1221	SW8082A	ND (0.040)	ND (0.041)	ND (0.027)	ND (0.067)	ND (0.065)	ND (0.033)
Aroclor 1232	SW8082A	ND (0.040)	ND (0.041)	ND (0.027)	ND (0.067)	ND (0.065)	ND (0.033)
Aroclor 1242	SW8082A	ND (0.040)	ND (0.041)	ND (0.027)	ND (0.067)	ND (0.065)	ND (0.033)
Aroclor 1248	SW8082A	ND (0.040)	ND (0.041)	ND (0.027)	ND (0.067)	ND (0.065)	ND (0.033)
Aroclor 1254	SW8082A	ND (0.040)	ND (0.041)	ND (0.027)	ND (0.067)	ND (0.065)	ND (0.033)
Aroclor 1260	SW8082A	5.95	0.0457	ND (0.027)	1.45	5.01	0.814
Total PCB Aroclors (U = 0 max limit)		5.95	0.0457	ND (0.022)	1.45	5.01	0.814

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-Q-17-231011-06-12 10/11/2023 6–12 inches	EA56-AQ-32-33-230927-00-06 9/27/2023 0–6 inches	EA56-AQ-32-33-230927-06-12 9/27/2023 6–12 inches	EA56-AQ-34-35-230927-00-06 9/27/2023 0–6 inches	EA56-AQ-34-35-230927-06-12 9/27/2023 6–12 inches	EA56A-Q-7-8-231012-00-06 10/12/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	54.7	37.9	39.2	30.7	33.8	14.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.031)	ND (0.048)	ND (0.051)	ND (0.064)	ND (0.059)	ND (0.12)
Aroclor 1221	SW8082A	ND (0.031)	ND (0.048)	ND (0.051)	ND (0.064)	ND (0.059)	ND (0.12)
Aroclor 1232	SW8082A	ND (0.031)	ND (0.048)	ND (0.051)	ND (0.064)	ND (0.059)	ND (0.12)
Aroclor 1242	SW8082A	ND (0.031)	ND (0.048)	ND (0.051)	ND (0.064)	ND (0.059)	ND (0.12)
Aroclor 1248	SW8082A	ND (0.031)	ND (0.048)	ND (0.051)	ND (0.064)	ND (0.059)	ND (0.12)
Aroclor 1254	SW8082A	ND (0.031)	ND (0.048)	ND (0.051)	ND (0.064)	ND (0.059)	ND (0.12)
Aroclor 1260	SW8082A	1.01	4.6	22.3	3.77	48.2	ND (0.12)
Total PCB Aroclors (U = 0 max limit)		1.01	4.6	22.3	3.77	48.2	ND (0.096)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-Q-7-8-231012-06-12 10/12/2023 6–12 inches	EA56-AQ-AR-29-30-230927-00-06 9/27/2023 0–6 inches	EA56-AQ-AR-29-30-230927-06-12 9/27/2023 6–12 inches	EA56-AQ-AR-29-30-BD0001 9/27/2023 6–12 inches	EA56-AR-11-231017-00-06 10/17/2023 0–6 inches	EA56-AR-11-231017-06-12 10/17/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	59.4	40.4	42.3	43	--	--
Total solids	SM2540G	--	--	--	--	52.1	75.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.031)	ND (0.045)	ND (0.044)	ND (0.044)	ND (0.037)	ND (0.026)
Aroclor 1221	SW8082A	ND (0.031)	ND (0.045)	ND (0.044)	ND (0.044)	ND (0.037)	ND (0.026)
Aroclor 1232	SW8082A	ND (0.031)	ND (0.045)	ND (0.044)	ND (0.044)	ND (0.037)	ND (0.026)
Aroclor 1242	SW8082A	ND (0.031)	ND (0.045)	ND (0.044)	ND (0.044)	ND (0.037)	ND (0.026)
Aroclor 1248	SW8082A	ND (0.031)	ND (0.045)	ND (0.044)	ND (0.044)	ND (0.037)	ND (0.026)
Aroclor 1254	SW8082A	ND (0.031)	ND (0.045)	ND (0.044)	ND (0.044)	ND (0.037)	ND (0.026)
Aroclor 1260	SW8082A	ND (0.031)	2.09	297 J	139 J	ND (0.037)	ND (0.026)
Total PCB Aroclors (U = 0 max limit)		ND (0.025)	2.09	297 J	139 J	ND (0.031)	ND (0.022)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AR-27-28-231003-00-06 10/3/2023 0–6 inches	EA56-AR-27-28-231003-06-12 10/3/2023 6–12 inches	EA56-AR-30-31-231003-06-12 10/3/2023 6–12 inches	EA56-AR-AS-7-8-231006-00-06 10/6/2023 0–6 inches	EA56-AR-AS-7-8-231006-06-12 10/6/2023 6–12 inches	EA56-AS-13-231017-00-06 10/17/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	27	37.7	29.2	74.9	81	--
Total solids	SM2540G	--	--	--	--	--	18.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.074)	ND (0.047)	ND (0.068)	ND (0.026)	ND (0.024)	ND (0.10)
Aroclor 1221	SW8082A	ND (0.074)	ND (0.047)	ND (0.068)	ND (0.026)	ND (0.024)	ND (0.10)
Aroclor 1232	SW8082A	ND (0.074)	ND (0.047)	ND (0.068)	ND (0.026)	ND (0.024)	ND (0.10)
Aroclor 1242	SW8082A	ND (0.074)	ND (0.047)	ND (0.068)	ND (0.026)	ND (0.024)	ND (0.10)
Aroclor 1248	SW8082A	ND (0.074)	ND (0.047)	ND (0.068)	ND (0.026)	ND (0.024)	ND (0.10)
Aroclor 1254	SW8082A	ND (0.074)	ND (0.047)	ND (0.068)	ND (0.026)	ND (0.024)	ND (0.10)
Aroclor 1260	SW8082A	2.89	11.4	6.28	0.0204 J	ND (0.024)	0.172
Total PCB Aroclors (U = 0 max limit)		2.89	11.4	6.28	0.0204 J	ND (0.020)	0.172

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AS-13-231017-06-12 10/17/2023 6–12 inches	EA56-AS-13-BD0001 10/17/2023 0–6 inches	EA56A-S-17-231012-00-06 10/12/2023 0–6 inches	EA56A-S-17-231012-06-12 10/12/2023 6–12 inches	EA56A-S-18-231011-00-06 10/11/2023 0–6 inches	EA56A-S-18-231011-06-12 10/11/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	25.2	32	52.4	52.1
Total solids	SM2540G	73.9	24.8	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.025)	ND (0.076)	ND (0.076)	ND (0.059)	ND (0.033)	ND (0.036)
Aroclor 1221	SW8082A	ND (0.025)	ND (0.076)	ND (0.076)	ND (0.059)	ND (0.033)	ND (0.036)
Aroclor 1232	SW8082A	ND (0.025)	ND (0.076)	ND (0.076)	ND (0.059)	ND (0.033)	ND (0.036)
Aroclor 1242	SW8082A	ND (0.025)	ND (0.076)	ND (0.076)	ND (0.059)	ND (0.033)	ND (0.036)
Aroclor 1248	SW8082A	ND (0.025)	ND (0.076)	ND (0.076)	ND (0.059)	ND (0.033)	ND (0.036)
Aroclor 1254	SW8082A	ND (0.025)	ND (0.076)	ND (0.076)	ND (0.059)	ND (0.033)	ND (0.036)
Aroclor 1260	SW8082A	ND (0.025)	0.0573 J	1.07	6.95	0.935	0.941
Total PCB Aroclors (U = 0 max limit)		ND (0.021)	0.0573 J	1.07	6.95	0.935	0.941

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-S-18-BD0001 10/11/2023 0–6 inches	EA56-AS-28-231002-00-06 10/2/2023 0–6 inches	EA56-AS-28-231002-06-12 10/2/2023 6–12 inches	EA56-AS-28-BD0001 10/2/2023 0–6 inches	EA56-AS-34-230927-00-06 9/27/2023 0–6 inches	EA56-AS-34-230927-06-12 9/27/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	55	32	38.3	33.6	41.1	44.6
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.036)	ND (0.063)	ND (0.049)	ND (0.060)	ND (0.049)	ND (0.044)
Aroclor 1221	SW8082A	ND (0.036)	ND (0.063)	ND (0.049)	ND (0.060)	ND (0.049)	ND (0.044)
Aroclor 1232	SW8082A	ND (0.036)	ND (0.063)	ND (0.049)	ND (0.060)	ND (0.049)	ND (0.044)
Aroclor 1242	SW8082A	ND (0.036)	ND (0.063)	ND (0.049)	ND (0.060)	ND (0.049)	ND (0.044)
Aroclor 1248	SW8082A	ND (0.036)	ND (0.063)	ND (0.049)	ND (0.060)	ND (0.049)	ND (0.044)
Aroclor 1254	SW8082A	ND (0.036)	ND (0.063)	ND (0.049)	ND (0.060)	ND (0.049)	ND (0.044)
Aroclor 1260	SW8082A	0.866	9.83 J	9.75	2.3 J	5.13	7
Total PCB Aroclors (U = 0 max limit)		0.866	9.83 J	9.75	2.3 J	5.13	7

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56A-S-7-8-231012-00-06 10/12/2023 0–6 inches	EA56A-S-7-8-231012-06-12 10/12/2023 6–12 inches	EA56-AS-AT-26-231003-06-12 10/3/2023 6–12 inches	EA56-AT-AU-26-27-231003-00-06 10/3/2023 0–6 inches	EA56-AT-AU-26-27-231003-06-12 10/3/2023 6–12 inches	EA56-AU-13-231017-00-06 10/17/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	8.5	37	48.7	60.6	56.8	--
Total solids	SM2540G	--	--	--	--	--	37.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.21)	ND (0.052)	ND (0.039)	ND (0.033)	ND (0.034)	ND (0.051)
Aroclor 1221	SW8082A	ND (0.21)	ND (0.052)	ND (0.039)	ND (0.033)	ND (0.034)	ND (0.051)
Aroclor 1232	SW8082A	ND (0.21)	ND (0.052)	ND (0.039)	ND (0.033)	ND (0.034)	ND (0.051)
Aroclor 1242	SW8082A	ND (0.21)	ND (0.052)	ND (0.039)	ND (0.033)	ND (0.034)	ND (0.051)
Aroclor 1248	SW8082A	ND (0.21)	ND (0.052)	ND (0.039)	ND (0.033)	ND (0.034)	ND (0.051)
Aroclor 1254	SW8082A	ND (0.21)	ND (0.052)	ND (0.039)	ND (0.033)	ND (0.034)	ND (0.051)
Aroclor 1260	SW8082A	ND (0.21)	ND (0.052)	3.65 J	0.837	1.18	0.0314 J
Total PCB Aroclors (U = 0 max limit)		ND (0.17)	ND (0.043)	3.65 J	0.837	1.18	0.0314 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AU-13-231017-06-12 10/17/2023 6–12 inches	EA56A-U-19-20-231012-00-06 10/12/2023 0–6 inches	EA56A-U-19-20-231012-06-12 10/12/2023 6–12 inches	EA56A-U-19-20-BD0001 10/12/2023 0–6 inches	EA56-AU-AV-25-231003-00-06 10/3/2023 0–6 inches	EA56-AU-AV-25-231003-06-12 10/3/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	35	32.5	32.1	48	40.3
Total solids	SM2540G	62.6	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.032)	ND (0.052)	ND (0.060)	ND (0.057)	ND (0.042)	ND (0.049)
Aroclor 1221	SW8082A	ND (0.032)	ND (0.052)	ND (0.060)	ND (0.057)	ND (0.042)	ND (0.049)
Aroclor 1232	SW8082A	ND (0.032)	ND (0.052)	ND (0.060)	ND (0.057)	ND (0.042)	ND (0.049)
Aroclor 1242	SW8082A	ND (0.032)	ND (0.052)	ND (0.060)	ND (0.057)	ND (0.042)	ND (0.049)
Aroclor 1248	SW8082A	ND (0.032)	ND (0.052)	ND (0.060)	ND (0.057)	ND (0.042)	ND (0.049)
Aroclor 1254	SW8082A	ND (0.032)	ND (0.052)	ND (0.060)	ND (0.057)	ND (0.042)	ND (0.049)
Aroclor 1260	SW8082A	ND (0.032)	0.905	4.6	1.1	1.29	2.62
Total PCB Aroclors (U = 0 max limit)		ND (0.027)	0.905	4.6	1.1	1.29	2.62

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AV-25-231003-06-12 10/3/2023 6–12 inches	EA56-AV-26-27-230927-00-06 9/27/2023 0–6 inches	EA56-AV-26-27-230927-06-12 9/27/2023 6–12 inches	EA56-AV-AW-11-12-231017-00-06 10/17/2023 0–6 inches	EA56-AV-AW-11-12-231017-06-12 10/17/2023 6–12 inches	EA56-AV-AW-9-231006-00-06 10/6/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	49.6	26.6	35.6	--	--	66.7
Total solids	SM2540G	--	--	--	52.5	69.9	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.040)	ND (0.071)	ND (0.050)	ND (0.038)	ND (0.028)	ND (0.028)
Aroclor 1221	SW8082A	ND (0.040)	ND (0.071)	ND (0.050)	ND (0.038)	ND (0.028)	ND (0.028)
Aroclor 1232	SW8082A	ND (0.040)	ND (0.071)	ND (0.050)	ND (0.038)	ND (0.028)	ND (0.028)
Aroclor 1242	SW8082A	ND (0.040)	ND (0.071)	ND (0.050)	ND (0.038)	ND (0.028)	ND (0.028)
Aroclor 1248	SW8082A	ND (0.040)	ND (0.071)	ND (0.050)	ND (0.038)	ND (0.028)	ND (0.028)
Aroclor 1254	SW8082A	ND (0.040)	ND (0.071)	ND (0.050)	ND (0.038)	ND (0.028)	ND (0.028)
Aroclor 1260	SW8082A	5.89 J	11.2	2.96	ND (0.038)	ND (0.028)	ND (0.028)
Total PCB Aroclors (U = 0 max limit)		5.89 J	11.2	2.96	ND (0.032)	ND (0.023)	ND (0.023)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AV-AW-9-231006-06-12 10/6/2023 6–12 inches	EA56-AW-25-231003-00-06 10/3/2023 0–6 inches	EA56-AW-25-231003-06-12 10/3/2023 6–12 inches	EA56-AW-26-27-230927-00-06 9/27/2023 0–6 inches	EA56-AW-26-27-230927-06-12 9/27/2023 6–12 inches	EA56-AW-AX-12-13-231017-06-12 10/17/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	68.6	38.7	48.3	13	19.7	--
Total solids	SM2540G	--	--	--	--	--	41.3
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.028)	ND (0.050)	ND (0.040)	ND (0.15)	ND (0.098)	ND (0.047)
Aroclor 1221	SW8082A	ND (0.028)	ND (0.050)	ND (0.040)	ND (0.15)	ND (0.098)	ND (0.047)
Aroclor 1232	SW8082A	ND (0.028)	ND (0.050)	ND (0.040)	ND (0.15)	ND (0.098)	ND (0.047)
Aroclor 1242	SW8082A	ND (0.028)	ND (0.050)	ND (0.040)	ND (0.15)	ND (0.098)	ND (0.047)
Aroclor 1248	SW8082A	ND (0.028)	ND (0.050)	ND (0.040)	ND (0.15)	ND (0.098)	ND (0.047)
Aroclor 1254	SW8082A	ND (0.028)	ND (0.050)	ND (0.040)	ND (0.15)	ND (0.098)	ND (0.047)
Aroclor 1260	SW8082A	ND (0.028)	2.13	2.16	2.62	2.48	0.464
Total PCB Aroclors (U = 0 max limit)		ND (0.023)	2.13	2.16	2.62	2.48	0.464

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AX-20-230926-00-06 9/26/2023 0–6 inches	EA56-AX-20-230926-06-12 9/26/2023 6–12 inches	EA56A-X-23-230926-00-06 9/26/2023 0–6 inches	EA56A-X-23-230926-06-12 9/26/2023 6–12 inches	EA56A-X-Y-7-8-231012-00-06 10/12/2023 0–6 inches	EA56A-X-Y-7-8-231012-06-12 10/12/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	52	56.4	53.7	54.8	20.9	49.7
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.037)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.092)	ND (0.037)
Aroclor 1221	SW8082A	ND (0.037)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.092)	ND (0.037)
Aroclor 1232	SW8082A	ND (0.037)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.092)	ND (0.037)
Aroclor 1242	SW8082A	ND (0.037)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.092)	ND (0.037)
Aroclor 1248	SW8082A	ND (0.037)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.092)	ND (0.037)
Aroclor 1254	SW8082A	ND (0.037)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.092)	ND (0.037)
Aroclor 1260	SW8082A	1.56	3.2	2.62	2.54	0.0688 J	ND (0.037)
Total PCB Aroclors (U = 0 max limit)		1.56	3.2	2.62	2.54	0.0688 J	ND (0.030)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AY-10-231017-00-06 10/17/2023 0–6 inches	EA56-AY-10-231017-06-12 10/17/2023 6–12 inches	EA56-AY-AZ-12-231017-06-12 10/17/2023 6–12 inches	EA56-AY-AZ-18-19-230927-00-06 9/27/2023 0–6 inches	EA56-AY-AZ-18-19-230927-06-12 9/27/2023 6–12 inches	EA56-AY-AZ-25-231003-00-06 10/3/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	49.5	46.9	37.3
Total solids	SM2540G	33.5	71.8	21.6	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.060)	ND (0.026)	ND (0.093)	ND (0.036)	ND (0.038)	ND (0.051)
Aroclor 1221	SW8082A	ND (0.060)	ND (0.026)	ND (0.093)	ND (0.036)	ND (0.038)	ND (0.051)
Aroclor 1232	SW8082A	ND (0.060)	ND (0.026)	ND (0.093)	ND (0.036)	ND (0.038)	ND (0.051)
Aroclor 1242	SW8082A	ND (0.060)	ND (0.026)	ND (0.093)	ND (0.036)	ND (0.038)	ND (0.051)
Aroclor 1248	SW8082A	ND (0.060)	ND (0.026)	ND (0.093)	ND (0.036)	ND (0.038)	ND (0.051)
Aroclor 1254	SW8082A	ND (0.060)	ND (0.026)	ND (0.093)	ND (0.036)	ND (0.038)	ND (0.051)
Aroclor 1260	SW8082A	0.263 J	ND (0.026)	5.19	1.1	1.98	1.45
Total PCB Aroclors (U = 0 max limit)		0.263 J	ND (0.021)	5.19	1.1	1.98	1.45

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AY-AZ-25-231003-06-12 10/3/2023 6–12 inches	EA56-AZ-25-26-230926-00-06 9/26/2023 0–6 inches	EA56-AZ-25-26-230926-06-12 9/26/2023 6–12 inches	EA56-AZ-25-26-BD0001 9/26/2023 0–6 inches	EA56A-Z-AA-8-231012-00-06 10/12/2023 0–6 inches	EA56A-Z-AA-8-231012-06-12 10/12/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	41.4	51.9	52.1	48.6	50.8	75
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.047)	ND (0.035)	ND (0.035)	ND (0.040)	ND (0.033)	ND (0.023)
Aroclor 1221	SW8082A	ND (0.047)	ND (0.035)	ND (0.035)	ND (0.040)	ND (0.033)	ND (0.023)
Aroclor 1232	SW8082A	ND (0.047)	ND (0.035)	ND (0.035)	ND (0.040)	ND (0.033)	ND (0.023)
Aroclor 1242	SW8082A	ND (0.047)	ND (0.035)	ND (0.035)	ND (0.040)	ND (0.033)	ND (0.023)
Aroclor 1248	SW8082A	ND (0.047)	ND (0.035)	ND (0.035)	ND (0.040)	ND (0.033)	ND (0.023)
Aroclor 1254	SW8082A	ND (0.047)	ND (0.035)	ND (0.035)	ND (0.040)	ND (0.033)	ND (0.023)
Aroclor 1260	SW8082A	3.33	3.22	4.77	2.75	ND (0.033)	ND (0.023)
Total PCB Aroclors (U = 0 max limit)		3.33	3.22	4.77	2.75	ND (0.028)	ND (0.019)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-AZ-BA-7-8-231009-00-06 10/9/2023 0–6 inches	EA56-AZ-BA-7-8-231009-06-12 10/9/2023 6–12 inches	EA56-BA-11-231017-00-06 10/17/2023 0–6 inches	EA56-BA-11-231017-06-12 10/17/2023 6–12 inches	EA56-BA-13-231013-00-06 10/13/2023 0–6 inches	EA56-BA-13-231013-06-12 10/13/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	63.5	73.1	--	--	--	--
Total solids	SM2540G	--	--	19.1	51.6	35.6	37.8
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.030)	ND (0.025)	ND (0.10)	ND (0.038)	ND (0.056)	ND (0.052)
Aroclor 1221	SW8082A	ND (0.030)	ND (0.025)	ND (0.10)	ND (0.038)	ND (0.056)	ND (0.052)
Aroclor 1232	SW8082A	ND (0.030)	ND (0.025)	ND (0.10)	ND (0.038)	ND (0.056)	ND (0.052)
Aroclor 1242	SW8082A	ND (0.030)	ND (0.025)	ND (0.10)	ND (0.038)	ND (0.056)	ND (0.052)
Aroclor 1248	SW8082A	ND (0.030)	ND (0.025)	ND (0.10)	ND (0.038)	ND (0.056)	ND (0.052)
Aroclor 1254	SW8082A	ND (0.030)	ND (0.025)	ND (0.10)	ND (0.038)	ND (0.056)	ND (0.052)
Aroclor 1260	SW8082A	ND (0.030)	ND (0.025)	4.74	0.0517	13.3	7.32
Total PCB Aroclors (U = 0 max limit)		ND (0.03)	ND (0.021)	4.74	0.0517	13.3	7.32

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-BA-21-22-230927-00-06 9/27/2023 0–6 inches	EA56-BA-21-22-230927-06-12 9/27/2023 6–12 inches	EA56-BA-25-26-230927-00-06 9/27/2023 0–6 inches	EA56-BA-25-26-230927-06-12 9/27/2023 6–12 inches	EA56-BA-BB-12-231013-06-12 10/13/2023 6–12 inches	EA56-BA-BB-12-BD0001 10/13/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	52.9	55.9	43.3	52.5	--	--
Total solids	SM2540G	--	--	--	--	34.8	33.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.034)	ND (0.036)	ND (0.044)	ND (0.036)	ND (0.056)	ND (0.056)
Aroclor 1221	SW8082A	ND (0.034)	ND (0.036)	ND (0.044)	ND (0.036)	ND (0.056)	ND (0.056)
Aroclor 1232	SW8082A	ND (0.034)	ND (0.036)	ND (0.044)	ND (0.036)	ND (0.056)	ND (0.056)
Aroclor 1242	SW8082A	ND (0.034)	ND (0.036)	ND (0.044)	ND (0.036)	ND (0.056)	ND (0.056)
Aroclor 1248	SW8082A	ND (0.034)	ND (0.036)	ND (0.044)	ND (0.036)	ND (0.056)	ND (0.056)
Aroclor 1254	SW8082A	ND (0.034)	ND (0.036)	ND (0.044)	ND (0.036)	ND (0.056)	ND (0.056)
Aroclor 1260	SW8082A	1.25	4.27	2.05	5.6	7.29	5.66
Total PCB Aroclors (U = 0 max limit)		1.25	4.27	2.05	5.6	7.29	5.66

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-BB-20-230927-06-12 9/27/2023 6–12 inches	EA56-BB-BC-6-7-231013-00-06 10/13/2023 0–6 inches	EA56-BB-BC-6-7-231013-06-12 10/13/2023 6–12 inches	EA56-B-C-20-21-231006-00-06 10/6/2023 0–6 inches	EA56-B-C-20-21-231006-06-12 10/6/2023 6–12 inches	EA56-B-C-20-21-BD0001 10/6/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	40.7	--	--	35.7	45.3	36.8
Total solids	SM2540G	--	59.3	67.1	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.047)	ND (0.033)	ND (0.029)	ND (0.053)	ND (0.042)	ND (0.054)
Aroclor 1221	SW8082A	ND (0.047)	ND (0.033)	ND (0.029)	ND (0.053)	ND (0.042)	ND (0.054)
Aroclor 1232	SW8082A	ND (0.047)	ND (0.033)	ND (0.029)	ND (0.053)	ND (0.042)	ND (0.054)
Aroclor 1242	SW8082A	ND (0.047)	ND (0.033)	ND (0.029)	ND (0.053)	ND (0.042)	ND (0.054)
Aroclor 1248	SW8082A	ND (0.047)	ND (0.033)	ND (0.029)	ND (0.053)	ND (0.042)	ND (0.054)
Aroclor 1254	SW8082A	ND (0.047)	ND (0.033)	ND (0.029)	ND (0.053)	ND (0.042)	ND (0.054)
Aroclor 1260	SW8082A	7.06	3.27	0.0982	2.42 J	1.89	0.84 J
Total PCB Aroclors (U = 0 max limit)		7.06	3.27	0.0982	2.42 J	1.89	0.84 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-BC-25-230927-06-12 9/27/2023 6–12 inches	EA56-B-C-3-4-231009-00-06 10/9/2023 0–6 inches	EA56-B-C-3-4-231009-06-12 10/9/2023 6–12 inches	EA56-BD-18-230927-00-06 9/27/2023 0–6 inches	EA56-BD-18-230927-06-12 9/27/2023 6–12 inches	EA56-BD-5-231013-00-06 10/13/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	51.6	45.2	70.9	51	47.9	--
Total solids	SM2540G	--	--	--	--	--	52.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.037)	ND (0.043)	ND (0.027)	ND (0.036)	ND (0.039)	ND (0.074)
Aroclor 1221	SW8082A	ND (0.037)	ND (0.043)	ND (0.027)	ND (0.036)	ND (0.039)	ND (0.074)
Aroclor 1232	SW8082A	ND (0.037)	ND (0.043)	ND (0.027)	ND (0.036)	ND (0.039)	ND (0.074)
Aroclor 1242	SW8082A	ND (0.037)	ND (0.043)	ND (0.027)	ND (0.036)	ND (0.039)	ND (0.074)
Aroclor 1248	SW8082A	ND (0.037)	ND (0.043)	ND (0.027)	ND (0.036)	ND (0.039)	ND (0.074)
Aroclor 1254	SW8082A	ND (0.037)	ND (0.043)	ND (0.027)	ND (0.036)	ND (0.039)	ND (0.074)
Aroclor 1260	SW8082A	12.6	ND (0.043)	ND (0.027)	3.03	3.65 J	0.0905
Total PCB Aroclors (U = 0 max limit)		12.6	ND (0.035)	ND (0.022)	3.03	3.65 J	0.0905

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-BD-5-231013-06-12 10/13/2023 6–12 inches	EA56-BE-4-5-231013-00-06 10/13/2023 0–6 inches	EA56-BE-4-5-231013-06-12 10/13/2023 6–12 inches	EA56-BE-BF-3-231013-00-06 10/13/2023 0–6 inches	EA56-BE-BF-3-231013-06-12 10/13/2023 6–12 inches	EA56-BG-28-231005-00-06 10/5/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	--	--	37
Total solids	SM2540G	62.3	49.9	43.1	61.6	78	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.032)	ND (0.039)	ND (0.045)	ND (0.032)	ND (0.025)	ND (0.053)
Aroclor 1221	SW8082A	ND (0.032)	ND (0.039)	ND (0.045)	ND (0.032)	ND (0.025)	ND (0.053)
Aroclor 1232	SW8082A	ND (0.032)	ND (0.039)	ND (0.045)	ND (0.032)	ND (0.025)	ND (0.053)
Aroclor 1242	SW8082A	ND (0.032)	ND (0.039)	ND (0.045)	ND (0.032)	ND (0.025)	ND (0.053)
Aroclor 1248	SW8082A	ND (0.032)	ND (0.039)	ND (0.045)	ND (0.032)	ND (0.025)	ND (0.053)
Aroclor 1254	SW8082A	ND (0.032)	ND (0.039)	ND (0.045)	ND (0.032)	ND (0.025)	ND (0.053)
Aroclor 1260	SW8082A	0.0272 J	7.31	15.4	0.725	0.215	42.5
Total PCB Aroclors (U = 0 max limit)		0.0272 J	7.31	15.4	0.725	0.215	42.5

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-BG-28-231005-06-12 10/5/2023 6–12 inches	EA56-BI-27-28-231005-00-06 10/5/2023 0–6 inches	EA56-BI-27-28-231005-06-12 10/5/2023 6–12 inches	EA56-C-6-231006-00-06 10/6/2023 0–6 inches	EA56-C-6-231006-06-12 10/6/2023 6–12 inches	EA56-D-4-231009-00-06 10/9/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	64.6	37.2	47.5	21.4	42.5	39.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.028)	ND (0.050)	ND (0.042)	ND (0.090)	ND (0.044)	ND (0.048)
Aroclor 1221	SW8082A	ND (0.028)	ND (0.050)	ND (0.042)	ND (0.090)	ND (0.044)	ND (0.048)
Aroclor 1232	SW8082A	ND (0.028)	ND (0.050)	ND (0.042)	ND (0.090)	ND (0.044)	ND (0.048)
Aroclor 1242	SW8082A	ND (0.028)	ND (0.050)	ND (0.042)	ND (0.090)	ND (0.044)	ND (0.048)
Aroclor 1248	SW8082A	ND (0.028)	ND (0.050)	ND (0.042)	ND (0.090)	ND (0.044)	ND (0.048)
Aroclor 1254	SW8082A	ND (0.028)	ND (0.050)	ND (0.042)	ND (0.090)	ND (0.044)	ND (0.048)
Aroclor 1260	SW8082A	0.0311	15.6	0.636	0.144	0.0666	ND (0.048)
Total PCB Aroclors (U = 0 max limit)		0.0311	15.6	0.636	0.144	0.0666	ND (0.040)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-D-4-231009-06-12 10/9/2023 6–12 inches	EA56-D-4-BD0001 10/9/2023 6–12 inches	EA56-E-6-231011-00-06 10/11/2023 0–6 inches	EA56-E-6-231011-06-12 10/11/2023 6–12 inches	EA56-F-4-5-231009-00-06 10/9/2023 0–6 inches	EA56-F-4-5-231009-06-12 10/9/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	63.1	62.3	22	56.1	58.7	64.6
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.029)	ND (0.031)	ND (0.084)	ND (0.031)	ND (0.033)	ND (0.031)
Aroclor 1221	SW8082A	ND (0.029)	ND (0.031)	ND (0.084)	ND (0.031)	ND (0.033)	ND (0.031)
Aroclor 1232	SW8082A	ND (0.029)	ND (0.031)	ND (0.084)	ND (0.031)	ND (0.033)	ND (0.031)
Aroclor 1242	SW8082A	ND (0.029)	ND (0.031)	ND (0.084)	ND (0.031)	ND (0.033)	ND (0.031)
Aroclor 1248	SW8082A	ND (0.029)	ND (0.031)	ND (0.084)	ND (0.031)	ND (0.033)	ND (0.031)
Aroclor 1254	SW8082A	ND (0.029)	ND (0.031)	ND (0.084)	ND (0.031)	ND (0.033)	ND (0.031)
Aroclor 1260	SW8082A	ND (0.029)	ND (0.031)	0.105 J	ND (0.031)	ND (0.033)	ND (0.031)
Total PCB Aroclors (U = 0 max limit)		ND (0.024)	ND (0.026)	0.105 J	ND (0.026)	ND (0.028)	ND (0.026)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-G-H-7-231011-00-06 10/11/2023 0–6 inches	EA56-G-H-7-231011-06-12 10/11/2023 6–12 inches	EA56-H-I-5-231009-00-06 10/9/2023 0–6 inches	EA56-H-I-5-231009-06-12 10/9/2023 6–12 inches	EA56-I-J-8-231011-00-06 10/11/2023 0–6 inches	EA56-I-J-8-231011-06-12 10/11/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	27.7	60.8	39.5	70.8	39.5	68.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.067)	ND (0.031)	ND (0.049)	ND (0.026)	ND (0.049)	ND (0.028)
Aroclor 1221	SW8082A	ND (0.067)	ND (0.031)	ND (0.049)	ND (0.026)	ND (0.049)	ND (0.028)
Aroclor 1232	SW8082A	ND (0.067)	ND (0.031)	ND (0.049)	ND (0.026)	ND (0.049)	ND (0.028)
Aroclor 1242	SW8082A	ND (0.067)	ND (0.031)	ND (0.049)	ND (0.026)	ND (0.049)	ND (0.028)
Aroclor 1248	SW8082A	ND (0.067)	ND (0.031)	ND (0.049)	ND (0.026)	ND (0.049)	ND (0.028)
Aroclor 1254	SW8082A	ND (0.067)	ND (0.031)	ND (0.049)	ND (0.026)	ND (0.049)	ND (0.028)
Aroclor 1260	SW8082A	0.0282 J	ND (0.031)	ND (0.049)	ND (0.026)	0.236	ND (0.028)
Total PCB Aroclors (U = 0 max limit)		0.0282 J	ND (0.026)	ND (0.040)	ND (0.022)	0.236	ND (0.024)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-J-K-10-231011-00-06 10/11/2023 0–6 inches	EA56-J-K-10-231011-06-12 10/11/2023 6–12 inches	EA56-J-K-5-6-231009-00-06 10/9/2023 0–6 inches	EA56-J-K-5-6-231009-06-12 10/9/2023 6–12 inches	EA56-K-12-231011-00-06 10/11/2023 0–6 inches	EA56-K-12-231011-06-12 10/11/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	20	58.6	20.3	27	32.4	64.5
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.093)	ND (0.032)	ND (0.095)	ND (0.071)	ND (0.057)	ND (0.030)
Aroclor 1221	SW8082A	ND (0.093)	ND (0.032)	ND (0.095)	ND (0.071)	ND (0.057)	ND (0.030)
Aroclor 1232	SW8082A	ND (0.093)	ND (0.032)	ND (0.095)	ND (0.071)	ND (0.057)	ND (0.030)
Aroclor 1242	SW8082A	ND (0.093)	ND (0.032)	ND (0.095)	ND (0.071)	ND (0.057)	ND (0.030)
Aroclor 1248	SW8082A	ND (0.093)	ND (0.032)	ND (0.095)	ND (0.071)	ND (0.057)	ND (0.030)
Aroclor 1254	SW8082A	ND (0.093)	ND (0.032)	ND (0.095)	ND (0.071)	ND (0.057)	ND (0.030)
Aroclor 1260	SW8082A	0.6	0.0688	ND (0.095)	ND (0.071)	1.29	ND (0.030)
Total PCB Aroclors (U = 0 max limit)		0.6	0.0688	ND (0.079)	ND (0.059)	1.29	ND (0.03)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-K-12-BD0001 10/11/2023 6–12 inches	EA56-K-L-7-8-231011-06-12 10/11/2023 6–12 inches	EA56-L-6-231009-00-06 10/9/2023 0–6 inches	EA56-L-6-231009-06-12 10/9/2023 6–12 inches	EA56-L-M-10-231012-00-06 10/12/2023 0–6 inches	EA56-L-M-10-231012-06-12 10/12/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	64.9	43.7	57.1	62.5	28.3	68.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.028)	ND (0.045)	ND (0.032)	ND (0.031)	ND (0.067)	ND (0.028)
Aroclor 1221	SW8082A	ND (0.028)	ND (0.045)	ND (0.032)	ND (0.031)	ND (0.067)	ND (0.028)
Aroclor 1232	SW8082A	ND (0.028)	ND (0.045)	ND (0.032)	ND (0.031)	ND (0.067)	ND (0.028)
Aroclor 1242	SW8082A	ND (0.028)	ND (0.045)	ND (0.032)	ND (0.031)	ND (0.067)	ND (0.028)
Aroclor 1248	SW8082A	ND (0.028)	ND (0.045)	ND (0.032)	ND (0.031)	ND (0.067)	ND (0.028)
Aroclor 1254	SW8082A	ND (0.028)	ND (0.045)	ND (0.032)	ND (0.031)	ND (0.067)	ND (0.028)
Aroclor 1260	SW8082A	0.0173 J	ND (0.045)	ND (0.032)	ND (0.031)	0.0403 J	ND (0.028)
Total PCB Aroclors (U = 0 max limit)		0.0173 J	ND (0.037)	ND (0.026)	ND (0.026)	0.0403 J	ND (0.023)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-M-N-10-231012-00-06 10/12/2023 0–6 inches	EA56-M-N-10-231012-06-12 10/12/2023 6–12 inches	EA56-M-N-7-8-231011-00-06 10/11/2023 0–6 inches	EA56-M-N-7-8-231011-06-12 10/11/2023 6–12 inches	EA56-N-14-231011-00-06 10/11/2023 0–6 inches	EA56-N-14-231011-06-12 10/11/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	16.9	15.3	9.9	12.1	37.7	37.4
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.11)	ND (0.11)	ND (0.19)	ND (0.16)	ND (0.052)	ND (0.046)
Aroclor 1221	SW8082A	ND (0.11)	ND (0.11)	ND (0.19)	ND (0.16)	ND (0.052)	ND (0.046)
Aroclor 1232	SW8082A	ND (0.11)	ND (0.11)	ND (0.19)	ND (0.16)	ND (0.052)	ND (0.046)
Aroclor 1242	SW8082A	ND (0.11)	ND (0.11)	ND (0.19)	ND (0.16)	ND (0.052)	ND (0.046)
Aroclor 1248	SW8082A	ND (0.11)	ND (0.11)	ND (0.19)	ND (0.16)	ND (0.052)	ND (0.046)
Aroclor 1254	SW8082A	ND (0.11)	ND (0.11)	ND (0.19)	ND (0.16)	ND (0.052)	ND (0.046)
Aroclor 1260	SW8082A	0.0978 J	ND (0.11)	ND (0.19)	ND (0.16)	2.14	4.17
Total PCB Aroclors (U = 0 max limit)		0.0978 J	ND (0.095)	ND (0.16)	ND (0.13)	2.14	4.17

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-N-O-11-12-231012-00-06 10/12/2023 0–6 inches	EA56-N-O-11-12-231012-06-12 10/12/2023 6–12 inches	EA56-O-P-16-231011-06-12 10/11/2023 6–12 inches	EA56-O-P-4-5-231009-00-06 10/9/2023 0–6 inches	EA56-O-P-4-5-231009-06-12 10/9/2023 6–12 inches	EA56-P-6-231012-00-06 10/12/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	24.1	58.1	49.8	35.2	54.9	30.7
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.075)	ND (0.032)	ND (0.038)	ND (0.057)	ND (0.036)	ND (0.055)
Aroclor 1221	SW8082A	ND (0.075)	ND (0.032)	ND (0.038)	ND (0.057)	ND (0.036)	ND (0.055)
Aroclor 1232	SW8082A	ND (0.075)	ND (0.032)	ND (0.038)	ND (0.057)	ND (0.036)	ND (0.055)
Aroclor 1242	SW8082A	ND (0.075)	ND (0.032)	ND (0.038)	ND (0.057)	ND (0.036)	ND (0.055)
Aroclor 1248	SW8082A	ND (0.075)	ND (0.032)	ND (0.038)	ND (0.057)	ND (0.036)	ND (0.055)
Aroclor 1254	SW8082A	ND (0.075)	ND (0.032)	ND (0.038)	ND (0.057)	ND (0.036)	ND (0.055)
Aroclor 1260	SW8082A	0.1	ND (0.032)	3.42	ND (0.057)	ND (0.036)	ND (0.055)
Total PCB Aroclors (U = 0 max limit)		0.1	ND (0.026)	3.42	ND (0.047)	ND (0.030)	ND (0.046)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-P-6-231012-06-12 10/12/2023 6–12 inches	EA56-Q-R-6-7-231012-00-06 10/12/2023 0–6 inches	EA56-Q-R-6-7-231012-06-12 10/12/2023 6–12 inches	EA56-Q-R-6-7-BD0001 10/12/2023 6–12 inches	EA56-Q-R-9-10-231012-00-06 10/12/2023 0–6 inches	EA56-R-4-5-231009-00-06 10/9/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	35	32.1	34.9	27.5	41.5	67.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.055)	ND (0.062)	ND (0.051)	ND (0.11)	ND (0.045)	ND (0.029)
Aroclor 1221	SW8082A	ND (0.055)	ND (0.062)	ND (0.051)	ND (0.11)	ND (0.045)	ND (0.029)
Aroclor 1232	SW8082A	ND (0.055)	ND (0.062)	ND (0.051)	ND (0.11)	ND (0.045)	ND (0.029)
Aroclor 1242	SW8082A	ND (0.055)	ND (0.062)	ND (0.051)	ND (0.11)	ND (0.045)	ND (0.029)
Aroclor 1248	SW8082A	ND (0.055)	ND (0.062)	ND (0.051)	ND (0.11)	ND (0.045)	ND (0.029)
Aroclor 1254	SW8082A	ND (0.055)	ND (0.062)	ND (0.051)	ND (0.11)	ND (0.045)	ND (0.029)
Aroclor 1260	SW8082A	ND (0.055)	ND (0.062)	ND (0.051)	ND (0.11)	0.0397 J	ND (0.029)
Total PCB Aroclors (U = 0 max limit)		ND (0.046)	ND (0.052)	ND (0.042)	ND (0.094)	0.0397 J	ND (0.024)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-R-4-5-231009-06-12 10/9/2023 6–12 inches	EA56-S-6-7-231012-00-06 10/12/2023 0–6 inches	EA56-S-6-7-231012-06-12 10/12/2023 6–12 inches	EA56-T-5-231009-00-06 10/9/2023 0–6 inches	EA56-T-5-231009-06-12 10/9/2023 6–12 inches	EA56-T-U-20-231011-00-06 10/11/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	68.2	15.7	29	77.8	72.1	45.8
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.029)	ND (0.12)	ND (0.065)	ND (0.025)	ND (0.025)	ND (0.040)
Aroclor 1221	SW8082A	ND (0.029)	ND (0.12)	ND (0.065)	ND (0.025)	ND (0.025)	ND (0.040)
Aroclor 1232	SW8082A	ND (0.029)	ND (0.12)	ND (0.065)	ND (0.025)	ND (0.025)	ND (0.040)
Aroclor 1242	SW8082A	ND (0.029)	ND (0.12)	ND (0.065)	ND (0.025)	ND (0.025)	ND (0.040)
Aroclor 1248	SW8082A	ND (0.029)	ND (0.12)	ND (0.065)	ND (0.025)	ND (0.025)	ND (0.040)
Aroclor 1254	SW8082A	ND (0.029)	ND (0.12)	ND (0.065)	ND (0.025)	ND (0.025)	ND (0.040)
Aroclor 1260	SW8082A	ND (0.029)	ND (0.12)	ND (0.065)	ND (0.025)	ND (0.025)	0.961
Total PCB Aroclors (U = 0 max limit)		ND (0.024)	ND (0.10)	ND (0.054)	ND (0.021)	ND (0.021)	0.961

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-T-U-20-231011-06-12 10/11/2023 6–12 inches	EA56-U-6-7-231012-00-06 10/12/2023 0–6 inches	EA56-U-6-7-231012-06-12 10/12/2023 6–12 inches	EA56-V-W-22-230926-06-12 9/26/2023 6–12 inches	EA56-V-W-5-231009-00-06 10/9/2023 0–6 inches	EA56-V-W-5-231009-06-12 10/9/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	52.5	19	53.1	51.8	29.1	27
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.037)	ND (0.10)	ND (0.036)	ND (0.036)	ND (0.066)	ND (0.066)
Aroclor 1221	SW8082A	ND (0.037)	ND (0.10)	ND (0.036)	ND (0.036)	ND (0.066)	ND (0.066)
Aroclor 1232	SW8082A	ND (0.037)	ND (0.10)	ND (0.036)	ND (0.036)	ND (0.066)	ND (0.066)
Aroclor 1242	SW8082A	ND (0.037)	ND (0.10)	ND (0.036)	ND (0.036)	ND (0.066)	ND (0.066)
Aroclor 1248	SW8082A	ND (0.037)	ND (0.10)	ND (0.036)	ND (0.036)	ND (0.066)	ND (0.066)
Aroclor 1254	SW8082A	ND (0.037)	ND (0.10)	ND (0.036)	ND (0.036)	ND (0.066)	ND (0.066)
Aroclor 1260	SW8082A	1.88	ND (0.10)	ND (0.036)	3	ND (0.066)	ND (0.066)
Total PCB Aroclors (U = 0 max limit)		1.88	ND (0.08)	ND (0.030)	3	ND (0.055)	ND (0.055)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-V-W-6-231012-00-06 10/12/2023 0–6 inches	EA56-V-W-6-231012-06-12 10/12/2023 6–12 inches	EA56-W-X-6-231012-00-06 10/12/2023 0–6 inches	EA56-W-X-6-231012-06-12 10/12/2023 6–12 inches	EA56-Y-5-6-231009-00-06 10/9/2023 0–6 inches	EA56-Y-5-6-231009-06-12 10/9/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	10.8	16.4	49.1	67.5	13.3	17.2
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.17)	ND (0.12)	ND (0.038)	ND (0.028)	ND (0.15)	ND (0.11)
Aroclor 1221	SW8082A	ND (0.17)	ND (0.12)	ND (0.038)	ND (0.028)	ND (0.15)	ND (0.11)
Aroclor 1232	SW8082A	ND (0.17)	ND (0.12)	ND (0.038)	ND (0.028)	ND (0.15)	ND (0.11)
Aroclor 1242	SW8082A	ND (0.17)	ND (0.12)	ND (0.038)	ND (0.028)	ND (0.15)	ND (0.11)
Aroclor 1248	SW8082A	ND (0.17)	ND (0.12)	ND (0.038)	ND (0.028)	ND (0.15)	ND (0.11)
Aroclor 1254	SW8082A	ND (0.17)	ND (0.12)	ND (0.038)	ND (0.028)	ND (0.15)	ND (0.11)
Aroclor 1260	SW8082A	ND (0.17)	ND (0.12)	ND (0.038)	ND (0.028)	ND (0.15)	ND (0.11)
Total PCB Aroclors (U = 0 max limit)		ND (0.15)	ND (0.095)	ND (0.032)	ND (0.024)	ND (0.12)	ND (0.093)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA56-Y-Z-7-231012-00-06 10/12/2023 0–6 inches	EA56-Y-Z-7-231012-06-12 10/12/2023 6–12 inches	EA57-AA-15-16-230928-00-06 9/28/2023 0–6 inches	EA57-AA-15-16-230928-06-12 9/28/2023 6–12 inches	EA57-AB-1-2-230927-00-06 9/27/2023 0–6 inches	EA57-AB-1-2-230927-06-12 9/27/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	15.5	55	83	84.3	43.7	42.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.12)	ND (0.035)	ND (0.024)	ND (0.023)	ND (0.042)	ND (0.043)
Aroclor 1221	SW8082A	ND (0.12)	ND (0.035)	ND (0.024)	ND (0.023)	ND (0.042)	ND (0.043)
Aroclor 1232	SW8082A	ND (0.12)	ND (0.035)	ND (0.024)	ND (0.023)	ND (0.042)	ND (0.043)
Aroclor 1242	SW8082A	ND (0.12)	ND (0.035)	ND (0.024)	ND (0.023)	ND (0.042)	ND (0.043)
Aroclor 1248	SW8082A	ND (0.12)	ND (0.035)	ND (0.024)	ND (0.023)	ND (0.042)	ND (0.043)
Aroclor 1254	SW8082A	ND (0.12)	ND (0.035)	ND (0.024)	ND (0.023)	ND (0.042)	ND (0.043)
Aroclor 1260	SW8082A	ND (0.12)	ND (0.035)	0.0111 J	ND (0.023)	3.13	1.64
Total PCB Aroclors (U = 0 max limit)		ND (0.10)	ND (0.029)	0.0111 J	ND (0.019)	3.13	1.64

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AC-15-230928-00-06 9/28/2023 0–6 inches	EA57-AC-15-230928-06-12 9/28/2023 6–12 inches	EA57-AE-15-16-230928-00-06 9/28/2023 0–6 inches	EA57-AE-15-16-230928-06-12 9/28/2023 6–12 inches	EA57-AF-14-231002-00-06 10/2/2023 0–6 inches	EA57-AF-14-231002-06-12 10/2/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	74.7	80.8	74.4	79.4	29.3	33.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.024)	ND (0.064)	ND (0.056)
Aroclor 1221	SW8082A	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.024)	ND (0.064)	ND (0.056)
Aroclor 1232	SW8082A	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.024)	ND (0.064)	ND (0.056)
Aroclor 1242	SW8082A	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.024)	ND (0.064)	ND (0.056)
Aroclor 1248	SW8082A	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.024)	ND (0.064)	ND (0.056)
Aroclor 1254	SW8082A	ND (0.026)	ND (0.025)	ND (0.027)	ND (0.024)	ND (0.064)	ND (0.056)
Aroclor 1260	SW8082A	0.119	0.0257	0.0143 J	0.0100 J	4.78	8.92
Total PCB Aroclors (U = 0 max limit)		0.119	0.0257	0.0143 J	0.0100 J	4.78	8.92

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AG-12-13-231003-00-06 10/3/2023 0–6 inches	EA57-AG-12-13-231003-06-12 10/3/2023 6–12 inches	EA57-AG-15-16-230928-00-06 9/28/2023 0–6 inches	EA57-AG-15-16-230928-06-12 9/28/2023 6–12 inches	EA57-AG-15-16-BD0001 9/28/2023 0–6 inches	EA57-AH-14-231002-00-06 10/2/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	26.1	30.1	75.4	73.2	75.3	16.8
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.072)	ND (0.060)	ND (0.026)	ND (0.026)	ND (0.025)	ND (0.11)
Aroclor 1221	SW8082A	ND (0.072)	ND (0.060)	ND (0.026)	ND (0.026)	ND (0.025)	ND (0.11)
Aroclor 1232	SW8082A	ND (0.072)	ND (0.060)	ND (0.026)	ND (0.026)	ND (0.025)	ND (0.11)
Aroclor 1242	SW8082A	ND (0.072)	ND (0.060)	ND (0.026)	ND (0.026)	ND (0.025)	ND (0.11)
Aroclor 1248	SW8082A	ND (0.072)	ND (0.060)	ND (0.026)	ND (0.026)	ND (0.025)	ND (0.11)
Aroclor 1254	SW8082A	ND (0.072)	ND (0.060)	ND (0.026)	ND (0.026)	ND (0.025)	ND (0.11)
Aroclor 1260	SW8082A	5.71	7.78	0.0231 J	ND (0.026)	0.0225 J	5
Total PCB Aroclors (U = 0 max limit)		5.71	7.78	0.0231 J	ND (0.021)	0.0225 J	5

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AH-14-231002-06-12 10/2/2023 6–12 inches	EA57-AH-14-BD0001 10/2/2023 6–12 inches	EA57-AH-AI-11-231002-06-12 10/2/2023 6–12 inches	EA57-AI-16-230928-06-12 9/28/2023 6–12 inches	EA57-AI-AJ-11-231003-00-06 10/3/2023 0–6 inches	EA57-AI-AJ-11-231003-06-12 10/3/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	20.5	19.1	27	61.5	19.5	27
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.090)	ND (0.10)	ND (0.073)	ND (0.032)	ND (0.10)	ND (0.36)
Aroclor 1221	SW8082A	ND (0.090)	ND (0.10)	ND (0.073)	ND (0.032)	ND (0.10)	ND (0.36)
Aroclor 1232	SW8082A	ND (0.090)	ND (0.10)	ND (0.073)	ND (0.032)	ND (0.10)	ND (0.36)
Aroclor 1242	SW8082A	ND (0.090)	ND (0.10)	ND (0.073)	ND (0.032)	ND (0.10)	ND (0.36)
Aroclor 1248	SW8082A	ND (0.090)	ND (0.10)	ND (0.073)	ND (0.032)	ND (0.10)	ND (0.36)
Aroclor 1254	SW8082A	ND (0.090)	ND (0.10)	ND (0.073)	ND (0.032)	ND (0.10)	ND (0.36)
Aroclor 1260	SW8082A	1.77 J	4.9 J	2.48	0.0202 J	3.07	15.1
Total PCB Aroclors (U = 0 max limit)		1.77 J	4.9 J	2.48	0.0202 J	3.07	15.1

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AI-AJ-12-13-231005-00-06 10/5/2023 0–6 inches	EA57-AI-AJ-12-13-231005-06-12 10/5/2023 6–12 inches	EA57-AJ-14-231005-06-12 10/5/2023 6–12 inches	EA57-AJ-16-230928-00-06 9/28/2023 0–6 inches	EA57-AJ-16-230928-06-12 9/28/2023 6–12 inches	EA57-AJ-AK-13-14-231005-00-06 10/5/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	31	27.4	25.7	65.2	77.9	9.4
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.060)	ND (0.073)	ND (0.069)	ND (0.028)	ND (0.024)	ND (0.19)
Aroclor 1221	SW8082A	ND (0.060)	ND (0.073)	ND (0.069)	ND (0.028)	ND (0.024)	ND (0.19)
Aroclor 1232	SW8082A	ND (0.060)	ND (0.073)	ND (0.069)	ND (0.028)	ND (0.024)	ND (0.19)
Aroclor 1242	SW8082A	ND (0.060)	ND (0.073)	ND (0.069)	ND (0.028)	ND (0.024)	ND (0.19)
Aroclor 1248	SW8082A	ND (0.060)	ND (0.073)	ND (0.069)	ND (0.028)	ND (0.024)	ND (0.19)
Aroclor 1254	SW8082A	ND (0.060)	ND (0.073)	ND (0.069)	ND (0.028)	ND (0.024)	ND (0.19)
Aroclor 1260	SW8082A	1.13	0.886	0.822	0.0128 J	0.0102 J	0.513
Total PCB Aroclors (U = 0 max limit)		1.13	0.886	0.822	0.0128 J	0.0102 J	0.513

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AJ-AK-13-14-231005-06-12 10/5/2023 6–12 inches	EA57-AK-11-231003-00-06 10/3/2023 0–6 inches	EA57-AK-11-231003-06-12 10/3/2023 6–12 inches	EA57-AK-12-231006-00-06 10/6/2023 0–6 inches	EA57-AK-12-231006-06-12 10/6/2023 6–12 inches	EA57-AK-AL-15-16-230928-00-06 9/28/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	12.5	25.2	35.5	17.4	16.3	28.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.14)	ND (0.079)	ND (0.054)	ND (0.11)	ND (0.11)	ND (0.064)
Aroclor 1221	SW8082A	ND (0.14)	ND (0.079)	ND (0.054)	ND (0.11)	ND (0.11)	ND (0.064)
Aroclor 1232	SW8082A	ND (0.14)	ND (0.079)	ND (0.054)	ND (0.11)	ND (0.11)	ND (0.064)
Aroclor 1242	SW8082A	ND (0.14)	ND (0.079)	ND (0.054)	ND (0.11)	ND (0.11)	ND (0.064)
Aroclor 1248	SW8082A	ND (0.14)	ND (0.079)	ND (0.054)	ND (0.11)	ND (0.11)	ND (0.064)
Aroclor 1254	SW8082A	ND (0.14)	ND (0.079)	ND (0.054)	ND (0.11)	ND (0.11)	ND (0.064)
Aroclor 1260	SW8082A	2.16	6.11	36.1	1.69	2.56	0.507 J
Total PCB Aroclors (U = 0 max limit)		2.16	6.11	36.1	1.69	2.56	0.507 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AK-AL-15-16-230928-06-12 9/28/2023 6–12 inches	EA57-AL-14-231003-00-06 10/3/2023 0–6 inches	EA57-AL-14-231003-06-12 10/3/2023 6–12 inches	EA57-AL-17-18-230928-00-06 9/28/2023 0–6 inches	EA57-AL-17-18-230928-06-12 9/28/2023 6–12 inches	EA57-AL-AM-11-231002-00-06 10/2/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	26.5	18.3	32.2	63.5	71.8	13.4
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.070)	ND (0.11)	ND (0.062)	ND (0.030)	ND (0.027)	ND (0.15)
Aroclor 1221	SW8082A	ND (0.070)	ND (0.11)	ND (0.062)	ND (0.030)	ND (0.027)	ND (0.15)
Aroclor 1232	SW8082A	ND (0.070)	ND (0.11)	ND (0.062)	ND (0.030)	ND (0.027)	ND (0.15)
Aroclor 1242	SW8082A	ND (0.070)	ND (0.11)	ND (0.062)	ND (0.030)	ND (0.027)	ND (0.15)
Aroclor 1248	SW8082A	ND (0.070)	ND (0.11)	ND (0.062)	ND (0.030)	ND (0.027)	ND (0.15)
Aroclor 1254	SW8082A	ND (0.070)	ND (0.11)	ND (0.062)	ND (0.030)	ND (0.027)	ND (0.15)
Aroclor 1260	SW8082A	2.09	16.3	42.6	0.0218 J	0.0180 J	6.32
Total PCB Aroclors (U = 0 max limit)		2.09	16.3	42.6	0.0218 J	0.0180 J	6.32

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AL-AM-11-231002-06-12 10/2/2023 6–12 inches	EA57-AL-AM-12-231003-06-12 10/3/2023 6–12 inches	EA57-AL-AM-17-231005-00-06 10/5/2023 0–6 inches	EA57-AL-AM-17-231005-06-12 10/5/2023 6–12 inches	EA57-AM-10-11-231003-00-06 10/3/2023 0–6 inches	EA57-AM-10-11-231003-06-12 10/3/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	22.7	21.4	8.4	43.3	21.6	21.1
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.083)	ND (0.090)	ND (0.23)	ND (0.041)	ND (0.089)	ND (0.093)
Aroclor 1221	SW8082A	ND (0.083)	ND (0.090)	ND (0.23)	ND (0.041)	ND (0.089)	ND (0.093)
Aroclor 1232	SW8082A	ND (0.083)	ND (0.090)	ND (0.23)	ND (0.041)	ND (0.089)	ND (0.093)
Aroclor 1242	SW8082A	ND (0.083)	ND (0.090)	ND (0.23)	ND (0.041)	ND (0.089)	ND (0.093)
Aroclor 1248	SW8082A	ND (0.083)	ND (0.090)	ND (0.23)	ND (0.041)	ND (0.089)	ND (0.093)
Aroclor 1254	SW8082A	ND (0.083)	ND (0.090)	ND (0.23)	ND (0.041)	ND (0.089)	ND (0.093)
Aroclor 1260	SW8082A	12.8	46.3	0.324	0.308	1.35	5.4
Total PCB Aroclors (U = 0 max limit)		12.8	46.3	0.324	0.308	1.35	5.4

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AM-AN-15-231002-00-06 10/2/2023 0–6 inches	EA57-AM-AN-15-231002-06-12 10/2/2023 6–12 inches	EA57-AM-AN-17-231005-00-06 10/5/2023 0–6 inches	EA57-AM-AN-17-231005-06-12 10/5/2023 6–12 inches	EA57-AN-17-231005-00-06 10/5/2023 0–6 inches	EA57-AN-17-231005-06-12 10/5/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	18.1	25.7	24.4	14.6	9.1	16.4
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.11)	ND (0.075)	ND (0.077)	ND (0.13)	ND (0.20)	ND (0.12)
Aroclor 1221	SW8082A	ND (0.11)	ND (0.075)	ND (0.077)	ND (0.13)	ND (0.20)	ND (0.12)
Aroclor 1232	SW8082A	ND (0.11)	ND (0.075)	ND (0.077)	ND (0.13)	ND (0.20)	ND (0.12)
Aroclor 1242	SW8082A	ND (0.11)	ND (0.075)	ND (0.077)	ND (0.13)	ND (0.20)	ND (0.12)
Aroclor 1248	SW8082A	ND (0.11)	ND (0.075)	ND (0.077)	ND (0.13)	ND (0.20)	ND (0.12)
Aroclor 1254	SW8082A	ND (0.11)	ND (0.075)	ND (0.077)	ND (0.13)	ND (0.20)	ND (0.12)
Aroclor 1260	SW8082A	23.4	31.9	0.097	0.18	0.0967 J	0.117 J
Total PCB Aroclors (U = 0 max limit)		23.4	31.9	0.097	0.18	0.0967 J	0.117 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AN-18-19-230925-00-06 9/25/2023 0–6 inches	EA57-AN-18-19-230925-06-12 9/25/2023 6–12 inches	EA57-AO-16-17-230925-06-12 9/25/2023 6–12 inches	EA57-AP-19-230925-00-06 9/25/2023 0–6 inches	EA57-AP-19-230925-06-12 9/25/2023 6–12 inches	EA57-AP-AQ-17-230925-00-06 9/25/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	73.7	77.1	43.9	62.8	53.2	23.3
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.027)	ND (0.026)	ND (0.043)	ND (0.031)	ND (0.036)	ND (0.086)
Aroclor 1221	SW8082A	ND (0.027)	ND (0.026)	ND (0.043)	ND (0.031)	ND (0.036)	ND (0.086)
Aroclor 1232	SW8082A	ND (0.027)	ND (0.026)	ND (0.043)	ND (0.031)	ND (0.036)	ND (0.086)
Aroclor 1242	SW8082A	ND (0.027)	ND (0.026)	ND (0.043)	ND (0.031)	ND (0.036)	ND (0.086)
Aroclor 1248	SW8082A	ND (0.027)	ND (0.026)	ND (0.043)	ND (0.031)	ND (0.036)	ND (0.086)
Aroclor 1254	SW8082A	ND (0.027)	ND (0.026)	ND (0.043)	ND (0.031)	ND (0.036)	ND (0.086)
Aroclor 1260	SW8082A	ND (0.027)	ND (0.026)	0.0361 J	ND (0.031)	ND (0.036)	0.0776 J
Total PCB Aroclors (U = 0 max limit)		ND (0.023)	ND (0.022)	0.0361 J	ND (0.026)	ND (0.030)	0.0776 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AP-AQ-17-230925-06-12 9/25/2023 6–12 inches	EA57-AR-18-230925-06-12 9/25/2023 6–12 inches	EA57-AR-18-BD0001 9/25/2023 6–12 inches	EA57-AS-17-18-230925-00-06 9/25/2023 0–6 inches	EA57-AS-17-18-230925-06-12 9/25/2023 6–12 inches	EA57-AT-18-230925-00-06 9/25/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	29.4	38.9	37.6	42.8	46.2	60
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.068)	ND (0.049)	ND (0.053)	ND (0.045)	ND (0.040)	ND (0.033)
Aroclor 1221	SW8082A	ND (0.068)	ND (0.049)	ND (0.053)	ND (0.045)	ND (0.040)	ND (0.033)
Aroclor 1232	SW8082A	ND (0.068)	ND (0.049)	ND (0.053)	ND (0.045)	ND (0.040)	ND (0.033)
Aroclor 1242	SW8082A	ND (0.068)	ND (0.049)	ND (0.053)	ND (0.045)	ND (0.040)	ND (0.033)
Aroclor 1248	SW8082A	ND (0.068)	ND (0.049)	ND (0.053)	ND (0.045)	ND (0.040)	ND (0.033)
Aroclor 1254	SW8082A	ND (0.068)	ND (0.049)	ND (0.053)	ND (0.045)	ND (0.040)	ND (0.033)
Aroclor 1260	SW8082A	0.234	ND (0.049)	ND (0.053)	0.0162 J	ND (0.040)	0.0124 J
Total PCB Aroclors (U = 0 max limit)		0.234	ND (0.040)	ND (0.044)	0.0162 J	ND (0.03)	0.0124 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AT-18-230925-06-12 9/25/2023 6–12 inches	EA57-AU-17-230925-00-06 9/25/2023 0–6 inches	EA57-AU-17-230925-06-12 9/25/2023 6–12 inches	EA57-AV-17-230922-06-12 9/22/2023 6–12 inches	EA57-AV-17-BD0002 9/22/2023 6–12 inches	EA57-AW-17-230922-00-06 9/22/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	70.1	30.6	39	64	63.4	51.3
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.029)	ND (0.061)	ND (0.051)	ND (0.031)	ND (0.032)	ND (0.038)
Aroclor 1221	SW8082A	ND (0.029)	ND (0.061)	ND (0.051)	ND (0.031)	ND (0.032)	ND (0.038)
Aroclor 1232	SW8082A	ND (0.029)	ND (0.061)	ND (0.051)	ND (0.031)	ND (0.032)	ND (0.038)
Aroclor 1242	SW8082A	ND (0.029)	ND (0.061)	ND (0.051)	ND (0.031)	ND (0.032)	ND (0.038)
Aroclor 1248	SW8082A	ND (0.029)	ND (0.061)	ND (0.051)	ND (0.031)	ND (0.032)	ND (0.038)
Aroclor 1254	SW8082A	ND (0.029)	ND (0.061)	ND (0.051)	ND (0.031)	ND (0.032)	ND (0.038)
Aroclor 1260	SW8082A	0.0136 J	0.217	0.765	0.0250 J	0.0265 J	0.0913
Total PCB Aroclors (U = 0 max limit)		0.0136 J	0.217	0.765	0.0250 J	0.0265 J	0.0913

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-AW-17-230922-06-12 9/22/2023 6–12 inches	EA57-AY-16-230922-00-06 9/22/2023 0–6 inches	EA57-AY-16-230922-06-12 9/22/2023 6–12 inches	EA57-BA-16-230922-00-06 9/22/2023 0–6 inches	EA57-BA-16-230922-06-12 9/22/2023 6–12 inches	EA57-B-C-5-231005-00-06 10/5/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	62.2	60.1	62.8	54.7	74.7	22.4
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.032)	ND (0.033)	ND (0.030)	ND (0.034)	ND (0.026)	ND (0.088)
Aroclor 1221	SW8082A	ND (0.032)	ND (0.033)	ND (0.030)	ND (0.034)	ND (0.026)	ND (0.088)
Aroclor 1232	SW8082A	ND (0.032)	ND (0.033)	ND (0.030)	ND (0.034)	ND (0.026)	ND (0.088)
Aroclor 1242	SW8082A	ND (0.032)	ND (0.033)	ND (0.030)	ND (0.034)	ND (0.026)	ND (0.088)
Aroclor 1248	SW8082A	ND (0.032)	ND (0.033)	ND (0.030)	ND (0.034)	ND (0.026)	ND (0.088)
Aroclor 1254	SW8082A	ND (0.032)	ND (0.033)	ND (0.030)	ND (0.034)	ND (0.026)	ND (0.088)
Aroclor 1260	SW8082A	0.0131 J	0.0621	0.0173 J	ND (0.034)	ND (0.026)	6.57
Total PCB Aroclors (U = 0 max limit)		0.0131 J	0.0621	0.0173 J	ND (0.029)	ND (0.021)	6.57

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-B-C-5-231005-06-12 10/5/2023 6–12 inches	EA57-B-C-6-7-231005-00-06 10/5/2023 0–6 inches	EA57-B-C-6-7-231005-06-12 10/5/2023 6–12 inches	EA57-B-C-9-10-231006-00-06 10/6/2023 0–6 inches	EA57-B-C-9-10-231006-06-12 10/6/2023 6–12 inches	EA57-BC-BD-16-17-230922-00-06 9/22/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	27.3	19.2	44.8	82.5	76.5	43.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.069)	ND (0.098)	ND (0.043)	ND (0.023)	ND (0.024)	ND (0.045)
Aroclor 1221	SW8082A	ND (0.069)	ND (0.098)	ND (0.043)	ND (0.023)	ND (0.024)	ND (0.045)
Aroclor 1232	SW8082A	ND (0.069)	ND (0.098)	ND (0.043)	ND (0.023)	ND (0.024)	ND (0.045)
Aroclor 1242	SW8082A	ND (0.069)	ND (0.098)	ND (0.043)	ND (0.023)	ND (0.024)	ND (0.045)
Aroclor 1248	SW8082A	ND (0.069)	ND (0.098)	ND (0.043)	ND (0.023)	ND (0.024)	ND (0.045)
Aroclor 1254	SW8082A	ND (0.069)	ND (0.098)	ND (0.043)	ND (0.023)	ND (0.024)	ND (0.045)
Aroclor 1260	SW8082A	64.8	0.969	1.59	0.0277	ND (0.024)	ND (0.045)
Total PCB Aroclors (U = 0 max limit)		64.8	0.969	1.59	0.0277	ND (0.020)	ND (0.037)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-BC-BD-16-17-230922-06-12 9/22/2023 6–12 inches	EA57-BF-BG-17-230922-00-06 9/22/2023 0–6 inches	EA57-BF-BG-17-230922-06-12 9/22/2023 6–12 inches	EA57-BI-BJ-17-230922-00-06 9/22/2023 0–6 inches	EA57-BI-BJ-17-230922-06-12 9/22/2023 6–12 inches	EA57-C-11-231003-00-06 10/3/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	61.8	49.7	66.1	52.4	67.6	73
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.032)	ND (0.039)	ND (0.030)	ND (0.037)	ND (0.026)	ND (0.026)
Aroclor 1221	SW8082A	ND (0.032)	ND (0.039)	ND (0.030)	ND (0.037)	ND (0.026)	ND (0.026)
Aroclor 1232	SW8082A	ND (0.032)	ND (0.039)	ND (0.030)	ND (0.037)	ND (0.026)	ND (0.026)
Aroclor 1242	SW8082A	ND (0.032)	ND (0.039)	ND (0.030)	ND (0.037)	ND (0.026)	ND (0.026)
Aroclor 1248	SW8082A	ND (0.032)	ND (0.039)	ND (0.030)	ND (0.037)	ND (0.026)	ND (0.026)
Aroclor 1254	SW8082A	ND (0.032)	ND (0.039)	ND (0.030)	ND (0.037)	ND (0.026)	ND (0.026)
Aroclor 1260	SW8082A	0.0216 J	0.0266 J	ND (0.030)	0.0159 J	ND (0.026)	0.0116 J
Total PCB Aroclors (U = 0 max limit)		0.0216 J	0.0266 J	ND (0.03)	0.0159 J	ND (0.022)	0.0116 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-C-11-231003-06-12 10/3/2023 6–12 inches	EA57-C-D-8-231006-00-06 10/6/2023 0–6 inches	EA57-C-D-8-231006-06-12 10/6/2023 6–12 inches	EA57-D-4-231005-06-12 10/5/2023 6–12 inches	EA57-D-E-10-231006-00-06 10/6/2023 0–6 inches	EA57-D-E-10-231006-06-12 10/6/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	73.3	44.4	53.4	32.5	74.1	70
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.027)	ND (0.045)	ND (0.035)	ND (0.058)	ND (0.026)	ND (0.026)
Aroclor 1221	SW8082A	ND (0.027)	ND (0.045)	ND (0.035)	ND (0.058)	ND (0.026)	ND (0.026)
Aroclor 1232	SW8082A	ND (0.027)	ND (0.045)	ND (0.035)	ND (0.058)	ND (0.026)	ND (0.026)
Aroclor 1242	SW8082A	ND (0.027)	ND (0.045)	ND (0.035)	ND (0.058)	ND (0.026)	ND (0.026)
Aroclor 1248	SW8082A	ND (0.027)	ND (0.045)	ND (0.035)	ND (0.058)	ND (0.026)	ND (0.026)
Aroclor 1254	SW8082A	ND (0.027)	ND (0.045)	ND (0.035)	ND (0.058)	ND (0.026)	ND (0.026)
Aroclor 1260	SW8082A	ND (0.027)	0.0364 J	0.0441	22.9	ND (0.026)	0.0140 J
Total PCB Aroclors (U = 0 max limit)		ND (0.022)	0.0364 J	0.0441	22.9	ND (0.022)	0.0140 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-D-E-10-BD0001 10/6/2023 6–12 inches	EA57-D-E-6-231005-06-12 10/5/2023 6–12 inches	EA57-E-12-13-231003-00-06 10/3/2023 0–6 inches	EA57-E-12-13-231003-06-12 10/3/2023 6–12 inches	EA57-E-8-231006-00-06 10/6/2023 0–6 inches	EA57-E-8-231006-06-12 10/6/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	74.4	34.6	58.2	72.1	40.6	53
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.026)	ND (0.057)	ND (0.031)	ND (0.026)	ND (0.049)	ND (0.038)
Aroclor 1221	SW8082A	ND (0.026)	ND (0.057)	ND (0.031)	ND (0.026)	ND (0.049)	ND (0.038)
Aroclor 1232	SW8082A	ND (0.026)	ND (0.057)	ND (0.031)	ND (0.026)	ND (0.049)	ND (0.038)
Aroclor 1242	SW8082A	ND (0.026)	ND (0.057)	ND (0.031)	ND (0.026)	ND (0.049)	ND (0.038)
Aroclor 1248	SW8082A	ND (0.026)	ND (0.057)	ND (0.031)	ND (0.026)	ND (0.049)	ND (0.038)
Aroclor 1254	SW8082A	ND (0.026)	ND (0.057)	ND (0.031)	ND (0.026)	ND (0.049)	ND (0.038)
Aroclor 1260	SW8082A	ND (0.026)	2.03	ND (0.031)	ND (0.026)	0.363	1.68
Total PCB Aroclors (U = 0 max limit)		ND (0.022)	2.03	ND (0.026)	ND (0.022)	0.363	1.68

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-E-F-5-6-231005-00-06 10/5/2023 0–6 inches	EA57-E-F-5-6-231005-06-12 10/5/2023 6–12 inches	EA57-F-6-231005-00-06 10/5/2023 0–6 inches	EA57-F-6-231005-06-12 10/5/2023 6–12 inches	EA57-F-9-10-231006-00-06 10/6/2023 0–6 inches	EA57-F-9-10-231006-06-12 10/6/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	27.8	51.2	29.9	29.9	68.2	72.2
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.067)	ND (0.038)	ND (0.066)	ND (0.063)	ND (0.027)	ND (0.026)
Aroclor 1221	SW8082A	ND (0.067)	ND (0.038)	ND (0.066)	ND (0.063)	ND (0.027)	ND (0.026)
Aroclor 1232	SW8082A	ND (0.067)	ND (0.038)	ND (0.066)	ND (0.063)	ND (0.027)	ND (0.026)
Aroclor 1242	SW8082A	ND (0.067)	ND (0.038)	ND (0.066)	ND (0.063)	ND (0.027)	ND (0.026)
Aroclor 1248	SW8082A	ND (0.067)	ND (0.038)	ND (0.066)	ND (0.063)	ND (0.027)	ND (0.026)
Aroclor 1254	SW8082A	ND (0.067)	ND (0.038)	ND (0.066)	ND (0.063)	ND (0.027)	ND (0.026)
Aroclor 1260	SW8082A	7.99	0.608	0.439	0.325	0.0155 J	ND (0.026)
Total PCB Aroclors (U = 0 max limit)		7.99	0.608	0.439	0.325	0.0155 J	ND (0.022)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-F-G-12-231003-00-06 10/3/2023 0–6 inches	EA57-F-G-12-231003-06-12 10/3/2023 6–12 inches	EA57-F-G-8-231006-00-06 10/6/2023 0–6 inches	EA57-F-G-8-231006-06-12 10/6/2023 6–12 inches	EA57-F-G-9-231006-00-06 10/6/2023 0–6 inches	EA57-F-G-9-231006-06-12 10/6/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	44.4	83.1	39	48.6	54.8	58.3
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.044)	ND (0.023)	ND (0.051)	ND (0.041)	ND (0.034)	ND (0.032)
Aroclor 1221	SW8082A	ND (0.044)	ND (0.023)	ND (0.051)	ND (0.041)	ND (0.034)	ND (0.032)
Aroclor 1232	SW8082A	ND (0.044)	ND (0.023)	ND (0.051)	ND (0.041)	ND (0.034)	ND (0.032)
Aroclor 1242	SW8082A	ND (0.044)	ND (0.023)	ND (0.051)	ND (0.041)	ND (0.034)	ND (0.032)
Aroclor 1248	SW8082A	ND (0.044)	ND (0.023)	ND (0.051)	ND (0.041)	ND (0.034)	ND (0.032)
Aroclor 1254	SW8082A	ND (0.044)	ND (0.023)	ND (0.051)	ND (0.041)	ND (0.034)	ND (0.032)
Aroclor 1260	SW8082A	ND (0.044)	ND (0.023)	0.0373 J	0.168	ND (0.034)	0.0168 J
Total PCB Aroclors (U = 0 max limit)		ND (0.037)	ND (0.019)	0.0373 J	0.168	ND (0.029)	0.0168 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-G-10-231006-00-06 10/6/2023 0–6 inches	EA57-G-10-231006-06-12 10/6/2023 6–12 inches	EA57-H-5-6-231005-00-06 10/5/2023 0–6 inches	EA57-H-5-6-231005-06-12 10/5/2023 6–12 inches	EA57-H-5-6-BD0001 10/5/2023 0–6 inches	EA57-H-7-8-231006-00-06 10/6/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	62.8	68.3	35.2	36.2	37.2	45.1
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.031)	ND (0.029)	ND (0.054)	ND (0.055)	ND (0.051)	ND (0.041)
Aroclor 1221	SW8082A	ND (0.031)	ND (0.029)	ND (0.054)	ND (0.055)	ND (0.051)	ND (0.041)
Aroclor 1232	SW8082A	ND (0.031)	ND (0.029)	ND (0.054)	ND (0.055)	ND (0.051)	ND (0.041)
Aroclor 1242	SW8082A	ND (0.031)	ND (0.029)	ND (0.054)	ND (0.055)	ND (0.051)	ND (0.041)
Aroclor 1248	SW8082A	ND (0.031)	ND (0.029)	ND (0.054)	ND (0.055)	ND (0.051)	ND (0.041)
Aroclor 1254	SW8082A	ND (0.031)	ND (0.029)	ND (0.054)	ND (0.055)	ND (0.051)	ND (0.041)
Aroclor 1260	SW8082A	ND (0.031)	0.0334	1.97	2.23	1.47	0.0541
Total PCB Aroclors (U = 0 max limit)		ND (0.026)	0.0334	1.97	2.23	1.47	0.0541

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-H-7-8-231006-06-12 10/6/2023 6–12 inches	EA57-H-I-10-231003-00-06 10/3/2023 0–6 inches	EA57-H-I-10-231003-06-12 10/3/2023 6–12 inches	EA57-H-I-11-12-231003-00-06 10/3/2023 0–6 inches	EA57-H-I-11-12-231003-06-12 10/3/2023 6–12 inches	EA57-I-J-9-231006-00-06 10/6/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	52.1	73.4	86.1	65.4	71.2	46.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.038)	ND (0.023)	ND (0.023)	ND (0.029)	ND (0.026)	ND (0.041)
Aroclor 1221	SW8082A	ND (0.038)	ND (0.023)	ND (0.023)	ND (0.029)	ND (0.026)	ND (0.041)
Aroclor 1232	SW8082A	ND (0.038)	ND (0.023)	ND (0.023)	ND (0.029)	ND (0.026)	ND (0.041)
Aroclor 1242	SW8082A	ND (0.038)	ND (0.023)	ND (0.023)	ND (0.029)	ND (0.026)	ND (0.041)
Aroclor 1248	SW8082A	ND (0.038)	ND (0.023)	ND (0.023)	ND (0.029)	ND (0.026)	ND (0.041)
Aroclor 1254	SW8082A	ND (0.038)	ND (0.023)	ND (0.023)	ND (0.029)	ND (0.026)	ND (0.041)
Aroclor 1260	SW8082A	0.0658	0.0090 J	0.0085 J	0.0914	0.0303	ND (0.041)
Total PCB Aroclors (U = 0 max limit)		0.0658	0.0090 J	0.0085 J	0.0914	0.0303	ND (0.034)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-I-J-9-231006-06-12 10/6/2023 6–12 inches	EA57-J-11-231003-00-06 10/3/2023 0–6 inches	EA57-J-11-231003-06-12 10/3/2023 6–12 inches	EA57-J-5-6-231005-00-06 10/5/2023 0–6 inches	EA57-J-5-6-231005-06-12 10/5/2023 6–12 inches	EA57-J-7-8-231006-00-06 10/6/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	52.2	57.2	58.5	37.5	40.6	58.8
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.037)	ND (0.031)	ND (0.030)	ND (0.048)	ND (0.048)	ND (0.034)
Aroclor 1221	SW8082A	ND (0.037)	ND (0.031)	ND (0.030)	ND (0.048)	ND (0.048)	ND (0.034)
Aroclor 1232	SW8082A	ND (0.037)	ND (0.031)	ND (0.030)	ND (0.048)	ND (0.048)	ND (0.034)
Aroclor 1242	SW8082A	ND (0.037)	ND (0.031)	ND (0.030)	ND (0.048)	ND (0.048)	ND (0.034)
Aroclor 1248	SW8082A	ND (0.037)	ND (0.031)	ND (0.030)	ND (0.048)	ND (0.048)	ND (0.034)
Aroclor 1254	SW8082A	ND (0.037)	ND (0.031)	ND (0.030)	ND (0.048)	ND (0.048)	ND (0.034)
Aroclor 1260	SW8082A	0.0168 J	ND (0.031)	ND (0.030)	3.38	18.5	0.0441
Total PCB Aroclors (U = 0 max limit)		0.0168 J	ND (0.025)	ND (0.03)	3.38	18.5	0.0441

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-J-7-8-231006-06-12 10/6/2023 6–12 inches	EA57-K-11-12-231003-00-06 10/3/2023 0–6 inches	EA57-K-11-12-231003-06-12 10/3/2023 6–12 inches	EA57-K-13-231005-00-06 10/5/2023 0–6 inches	EA57-K-13-231005-06-12 10/5/2023 6–12 inches	EA57-K-9-231006-00-06 10/6/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	43.6	46.5	53.4	18.7	32.9	27.8
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.046)	ND (0.038)	ND (0.033)	ND (0.10)	ND (0.057)	ND (0.069)
Aroclor 1221	SW8082A	ND (0.046)	ND (0.038)	ND (0.033)	ND (0.10)	ND (0.057)	ND (0.069)
Aroclor 1232	SW8082A	ND (0.046)	ND (0.038)	ND (0.033)	ND (0.10)	ND (0.057)	ND (0.069)
Aroclor 1242	SW8082A	ND (0.046)	ND (0.038)	ND (0.033)	ND (0.10)	ND (0.057)	ND (0.069)
Aroclor 1248	SW8082A	ND (0.046)	ND (0.038)	ND (0.033)	ND (0.10)	ND (0.057)	ND (0.069)
Aroclor 1254	SW8082A	ND (0.046)	ND (0.038)	ND (0.033)	ND (0.10)	ND (0.057)	ND (0.069)
Aroclor 1260	SW8082A	0.118	ND (0.038)	0.0149 J	54.1	38.2	0.0565 J
Total PCB Aroclors (U = 0 max limit)		0.118	ND (0.031)	0.0149 J	54.1	38.2	0.0565 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-K-9-231006-06-12 10/6/2023 6–12 inches	EA57-K-9-BD0001 10/6/2023 6–12 inches	EA57-K-L-13-231003-00-06 10/3/2023 0–6 inches	EA57-K-L-13-231003-06-12 10/3/2023 6–12 inches	EA57-L-15-16-231003-00-06 10/3/2023 0–6 inches	EA57-L-15-16-231003-06-12 10/3/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	37.6	36.9	46.4	67.4	55	67.8
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.053)	ND (0.053)	ND (0.042)	ND (0.029)	ND (0.035)	ND (0.026)
Aroclor 1221	SW8082A	ND (0.053)	ND (0.053)	ND (0.042)	ND (0.029)	ND (0.035)	ND (0.026)
Aroclor 1232	SW8082A	ND (0.053)	ND (0.053)	ND (0.042)	ND (0.029)	ND (0.035)	ND (0.026)
Aroclor 1242	SW8082A	ND (0.053)	ND (0.053)	ND (0.042)	ND (0.029)	ND (0.035)	ND (0.026)
Aroclor 1248	SW8082A	ND (0.053)	ND (0.053)	ND (0.042)	ND (0.029)	ND (0.035)	ND (0.026)
Aroclor 1254	SW8082A	ND (0.053)	ND (0.053)	ND (0.042)	ND (0.029)	ND (0.035)	ND (0.026)
Aroclor 1260	SW8082A	0.062	0.0310 J	0.0722	ND (0.029)	0.0477	ND (0.026)
Total PCB Aroclors (U = 0 max limit)		0.062	0.0310 J	0.0722	ND (0.024)	0.0477	ND (0.022)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-L-5-6-231006-00-06 10/6/2023 0–6 inches	EA57-L-5-6-231006-06-12 10/6/2023 6–12 inches	EA57-L-7-231006-00-06 10/6/2023 0–6 inches	EA57-L-7-231006-06-12 10/6/2023 6–12 inches	EA57-N-16-231004-06-12 10/4/2023 6–12 inches	EA57-N-16-BD0001 10/4/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	50.1	49.6	29.4	23.5	78.1	77.5
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.038)	ND (0.038)	ND (0.068)	ND (0.080)	ND (0.024)	ND (0.023)
Aroclor 1221	SW8082A	ND (0.038)	ND (0.038)	ND (0.068)	ND (0.080)	ND (0.024)	ND (0.023)
Aroclor 1232	SW8082A	ND (0.038)	ND (0.038)	ND (0.068)	ND (0.080)	ND (0.024)	ND (0.023)
Aroclor 1242	SW8082A	ND (0.038)	ND (0.038)	ND (0.068)	ND (0.080)	ND (0.024)	ND (0.023)
Aroclor 1248	SW8082A	ND (0.038)	ND (0.038)	ND (0.068)	-- R	ND (0.024)	ND (0.023)
Aroclor 1254	SW8082A	ND (0.038)	ND (0.038)	ND (0.068)	-- R	ND (0.024)	ND (0.023)
Aroclor 1260	SW8082A	1.71	2.08	0.875	0.571 J	ND (0.024)	ND (0.023)
Total PCB Aroclors (U = 0 max limit)		1.71	2.08	0.875	0.571 J	ND (0.020)	ND (0.019)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-N-18-231003-00-06 10/3/2023 0–6 inches	EA57-N-18-231003-06-12 10/3/2023 6–12 inches	EA57-N-5-231006-00-06 10/6/2023 0–6 inches	EA57-N-5-231006-06-12 10/6/2023 6–12 inches	EA57-O-P-17-231004-00-06 10/4/2023 0–6 inches	EA57-O-P-17-231004-06-12 10/4/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	72.6	78.5	31.2	35.9	65.9	68.2
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.027)	ND (0.024)	ND (0.059)	ND (0.054)	ND (0.030)	ND (0.027)
Aroclor 1221	SW8082A	ND (0.027)	ND (0.024)	ND (0.059)	ND (0.054)	ND (0.030)	ND (0.027)
Aroclor 1232	SW8082A	ND (0.027)	ND (0.024)	ND (0.059)	ND (0.054)	ND (0.030)	ND (0.027)
Aroclor 1242	SW8082A	ND (0.027)	ND (0.024)	ND (0.059)	ND (0.054)	ND (0.030)	ND (0.027)
Aroclor 1248	SW8082A	ND (0.027)	ND (0.024)	ND (0.059)	ND (0.054)	ND (0.030)	ND (0.027)
Aroclor 1254	SW8082A	ND (0.027)	ND (0.024)	ND (0.059)	ND (0.054)	ND (0.030)	ND (0.027)
Aroclor 1260	SW8082A	ND (0.027)	ND (0.024)	0.963	7.06	ND (0.030)	ND (0.027)
Total PCB Aroclors (U = 0 max limit)		ND (0.022)	ND (0.020)	0.963	7.06	ND (0.03)	ND (0.023)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-O-P-4-231006-00-06 10/6/2023 0–6 inches	EA57-O-P-4-231006-06-12 10/6/2023 6–12 inches	EA57-Q-17-231004-00-06 10/4/2023 0–6 inches	EA57-Q-17-231004-06-12 10/4/2023 6–12 inches	EA57-Q-4-231006-06-12 10/6/2023 6–12 inches	EA57-R-15-16-231004-00-06 10/4/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	50.3	55	48.5	58.3	46.3	11.8
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.039)	ND (0.035)	ND (0.040)	ND (0.034)	ND (0.041)	ND (0.16)
Aroclor 1221	SW8082A	ND (0.039)	ND (0.035)	ND (0.040)	ND (0.034)	ND (0.041)	ND (0.16)
Aroclor 1232	SW8082A	ND (0.039)	ND (0.035)	ND (0.040)	ND (0.034)	ND (0.041)	ND (0.16)
Aroclor 1242	SW8082A	ND (0.039)	ND (0.035)	ND (0.040)	ND (0.034)	ND (0.041)	ND (0.16)
Aroclor 1248	SW8082A	ND (0.039)	ND (0.035)	ND (0.040)	ND (0.034)	ND (0.041)	ND (0.16)
Aroclor 1254	SW8082A	ND (0.039)	ND (0.035)	ND (0.040)	ND (0.034)	ND (0.041)	ND (0.16)
Aroclor 1260	SW8082A	1.71	6.37	0.123	0.418	3.56	0.408
Total PCB Aroclors (U = 0 max limit)		1.71	6.37	0.123	0.418	3.56	0.408

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-R-15-16-231004-06-12 10/4/2023 6–12 inches	EA57-S-16-17-231004-00-06 10/4/2023 0–6 inches	EA57-S-16-17-231004-06-12 10/4/2023 6–12 inches	EA57-S-3-4-231006-00-06 10/6/2023 0–6 inches	EA57-S-3-4-231006-06-12 10/6/2023 6–12 inches	EA57-S-3-4-BD0001 10/6/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	21.6	72.1	81.6	38.5	44.8	39.3
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.091)	ND (0.027)	ND (0.024)	ND (0.052)	ND (0.045)	ND (0.051)
Aroclor 1221	SW8082A	ND (0.091)	ND (0.027)	ND (0.024)	ND (0.052)	ND (0.045)	ND (0.051)
Aroclor 1232	SW8082A	ND (0.091)	ND (0.027)	ND (0.024)	ND (0.052)	ND (0.045)	ND (0.051)
Aroclor 1242	SW8082A	ND (0.091)	ND (0.027)	ND (0.024)	ND (0.052)	ND (0.045)	ND (0.051)
Aroclor 1248	SW8082A	ND (0.091)	ND (0.027)	ND (0.024)	ND (0.052)	ND (0.045)	ND (0.051)
Aroclor 1254	SW8082A	ND (0.091)	ND (0.027)	ND (0.024)	ND (0.052)	ND (0.045)	ND (0.051)
Aroclor 1260	SW8082A	0.63	0.028	ND (0.024)	2.87	2.56	1.84
Total PCB Aroclors (U = 0 max limit)		0.63	0.028	ND (0.020)	2.87	2.56	1.84

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-T-U-15-231004-00-06 10/4/2023 0–6 inches	EA57-T-U-15-231004-06-12 10/4/2023 6–12 inches	EA57-U-16-231004-00-06 10/4/2023 0–6 inches	EA57-U-16-231004-06-12 10/4/2023 6–12 inches	EA57-U-3-231006-00-06 10/6/2023 0–6 inches	EA57-U-3-231006-06-12 10/6/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	27	55.6	55.5	69.3	51.4	45.2
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.067)	ND (0.033)	ND (0.032)	ND (0.026)	ND (0.036)	ND (0.044)
Aroclor 1221	SW8082A	ND (0.067)	ND (0.033)	ND (0.032)	ND (0.026)	ND (0.036)	ND (0.044)
Aroclor 1232	SW8082A	ND (0.067)	ND (0.033)	ND (0.032)	ND (0.026)	ND (0.036)	ND (0.044)
Aroclor 1242	SW8082A	ND (0.067)	ND (0.033)	ND (0.032)	ND (0.026)	ND (0.036)	ND (0.044)
Aroclor 1248	SW8082A	ND (0.067)	ND (0.033)	ND (0.032)	ND (0.026)	ND (0.036)	ND (0.044)
Aroclor 1254	SW8082A	ND (0.067)	ND (0.033)	ND (0.032)	ND (0.026)	ND (0.036)	ND (0.044)
Aroclor 1260	SW8082A	11.3	1.15	0.374	0.0121 J	1.48	3.64
Total PCB Aroclors (U = 0 max limit)		11.3	1.15	0.374	0.0121 J	1.48	3.64

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-V-W-3-230927-00-06 9/27/2023 0–6 inches	EA57-V-W-3-230927-06-12 9/27/2023 6–12 inches	EA57-W-16-17-231003-00-06 10/3/2023 0–6 inches	EA57-W-16-17-231003-06-12 10/3/2023 6–12 inches	EA57-W-16-17-BD0001 10/3/2023 0–6 inches	EA57-W-X-2-230927-06-12 9/27/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	47.9	49.6	79.5	85.2	79.1	55
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.040)	ND (0.040)	ND (0.025)	ND (0.021)	ND (0.023)	ND (0.035)
Aroclor 1221	SW8082A	ND (0.040)	ND (0.040)	ND (0.025)	ND (0.021)	ND (0.023)	ND (0.035)
Aroclor 1232	SW8082A	ND (0.040)	ND (0.040)	ND (0.025)	ND (0.021)	ND (0.023)	ND (0.035)
Aroclor 1242	SW8082A	ND (0.040)	ND (0.040)	ND (0.025)	ND (0.021)	ND (0.023)	ND (0.035)
Aroclor 1248	SW8082A	ND (0.040)	ND (0.040)	ND (0.025)	ND (0.021)	ND (0.023)	ND (0.035)
Aroclor 1254	SW8082A	ND (0.040)	ND (0.040)	ND (0.025)	ND (0.021)	ND (0.023)	ND (0.035)
Aroclor 1260	SW8082A	2.54	2.43	0.0493	ND (0.021)	0.0393	20.2
Total PCB Aroclors (U = 0 max limit)		2.54	2.43	0.0493	ND (0.017)	0.0393	20.2

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-W-X-5-230927-00-06 9/27/2023 0–6 inches	EA57-W-X-5-230927-06-12 9/27/2023 6–12 inches	EA57-X-3-4-230927-00-06 9/27/2023 0–6 inches	EA57-X-3-4-230927-06-12 9/27/2023 6–12 inches	EA57-X-3-4-BD0001 9/27/2023 6–12 inches	EA57-Y-16-230928-00-06 9/28/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	34.1	37.7	32.2	37.8	38.1	79.8
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.056)	ND (0.047)	ND (0.060)	ND (0.051)	ND (0.048)	ND (0.025)
Aroclor 1221	SW8082A	ND (0.056)	ND (0.047)	ND (0.060)	ND (0.051)	ND (0.048)	ND (0.025)
Aroclor 1232	SW8082A	ND (0.056)	ND (0.047)	ND (0.060)	ND (0.051)	ND (0.048)	ND (0.025)
Aroclor 1242	SW8082A	ND (0.056)	ND (0.047)	ND (0.060)	ND (0.051)	ND (0.048)	ND (0.025)
Aroclor 1248	SW8082A	ND (0.056)	ND (0.047)	ND (0.060)	ND (0.051)	ND (0.048)	ND (0.025)
Aroclor 1254	SW8082A	ND (0.056)	ND (0.047)	ND (0.060)	ND (0.051)	ND (0.048)	ND (0.025)
Aroclor 1260	SW8082A	1.71	6.49	1.24	2.42	2.74	0.0259
Total PCB Aroclors (U = 0 max limit)		1.71	6.49	1.24	2.42	2.74	0.0259

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA57-Y-16-230928-06-12 9/28/2023 6–12 inches	EA57-Z-2-230927-00-06 9/27/2023 0–6 inches	EA57-Z-2-230927-06-12 9/27/2023 6–12 inches	EA58-B-C-18-19-231019-00-06 10/19/2023 0–6 inches	EA58-B-C-18-19-231019-06-12 10/19/2023 6–12 inches	EA58-B-C-18-19-231026-12-24 10/26/2023 12–24 inches
Conventional Parameters (percent)							
Total solids	SM2540E	83.2	47.6	48.7	--	--	88.1
Total solids	SM2540G	--	--	--	91	89.9	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.023)	ND (0.039)	ND (0.038)	ND (0.022)	ND (0.022)	ND (0.021)
Aroclor 1221	SW8082A	ND (0.023)	ND (0.039)	ND (0.038)	ND (0.022)	ND (0.022)	ND (0.021)
Aroclor 1232	SW8082A	ND (0.023)	ND (0.039)	ND (0.038)	ND (0.022)	ND (0.022)	ND (0.021)
Aroclor 1242	SW8082A	ND (0.023)	ND (0.039)	ND (0.038)	ND (0.022)	ND (0.022)	ND (0.021)
Aroclor 1248	SW8082A	ND (0.023)	ND (0.039)	ND (0.038)	ND (0.022)	ND (0.022)	ND (0.021)
Aroclor 1254	SW8082A	ND (0.023)	ND (0.039)	ND (0.038)	ND (0.022)	ND (0.022)	ND (0.021)
Aroclor 1260	SW8082A	0.102	2.72	4.85	ND (0.022)	0.0679	0.0863
Total PCB Aroclors (U = 0 max limit)		0.102	2.72	4.85	ND (0.018)	0.0679	0.0863

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA58-B-C-18-19-231026-24-30 10/26/2023 24–30 inches	EA58-D-17-18-231019-00-06 10/19/2023 0–6 inches	EA58-D-17-18-231019-06-12 10/19/2023 6–12 inches	EA58-D-17-18-231019-12-24 10/19/2023 12–24 inches	EA58-D-17-18-231026-24-30 10/26/2023 24–30 inches	EA58-D-E-15-16-231025-00-06 10/25/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	76.9	--	--	--	91.2	94.2
Total solids	SM2540G	--	85.5	91.7	93.5	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.024)	ND (0.022)	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)
Aroclor 1221	SW8082A	ND (0.024)	ND (0.022)	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)
Aroclor 1232	SW8082A	ND (0.024)	ND (0.022)	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)
Aroclor 1242	SW8082A	ND (0.024)	ND (0.022)	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)
Aroclor 1248	SW8082A	ND (0.024)	ND (0.022)	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)
Aroclor 1254	SW8082A	ND (0.024)	ND (0.022)	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)
Aroclor 1260	SW8082A	0.0764	ND (0.022)	0.0191 J	0.0328 J	0.123	ND (0.020)
Total PCB Aroclors (U = 0 max limit)		0.0764	ND (0.018)	0.0191 J	0.0328 J	0.123	ND (0.02)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA58-D-E-15-16-231025-06-12 10/25/2023 6–12 inches	EA58-D-E-15-16-231025-12-18 10/25/2023 12–18 inches	EA58-F-13-14-231025-00-06 10/25/2023 0–6 inches	EA58-F-13-14-231025-06-12 10/25/2023 6–12 inches	EA58-F-13-14-231025-12-24 10/25/2023 12–24 inches	EA58-F-13-14-231025-24-36 10/25/2023 24–36 inches
Conventional Parameters (percent)							
Total solids	SM2540E	92.7	93.4	92	90.8	81.6	78.3
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.026)
Aroclor 1221	SW8082A	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.026)
Aroclor 1232	SW8082A	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.026)
Aroclor 1242	SW8082A	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.026)
Aroclor 1248	SW8082A	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.026)
Aroclor 1254	SW8082A	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.026)
Aroclor 1260	SW8082A	0.0093 J	0.0165 J	0.0160 J	0.0150 J	ND (0.025)	ND (0.026)
Total PCB Aroclors (U = 0 max limit)		0.0093 J	0.0165 J	0.0160 J	0.0150 J	ND (0.020)	ND (0.021)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA58-G-11-12-230922-00-06 9/22/2023 0–6 inches	EA58-G-11-12-230922-06-12 9/22/2023 6–12 inches	EA58-G-12-231025-00-06 10/25/2023 0–6 inches	EA58-G-12-231025-06-12 10/25/2023 6–12 inches	EA58-G-12-231025-12-24 10/25/2023 12–24 inches	EA58-G-12-231025-24-30 10/25/2023 24–30 inches
Conventional Parameters (percent)							
Total solids	SM2540E	58.3	58.5	80.1	82.7	85.8	83.8
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.032)	ND (0.034)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.024)
Aroclor 1221	SW8082A	ND (0.032)	ND (0.034)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.024)
Aroclor 1232	SW8082A	ND (0.032)	ND (0.034)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.024)
Aroclor 1242	SW8082A	ND (0.032)	ND (0.034)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.024)
Aroclor 1248	SW8082A	ND (0.032)	ND (0.034)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.024)
Aroclor 1254	SW8082A	ND (0.032)	ND (0.034)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.024)
Aroclor 1260	SW8082A	0.317	0.233	0.0303	0.0239	0.0093 J	0.0108 J
Total PCB Aroclors (U = 0 max limit)		0.317	0.233	0.0303	0.0239	0.0093 J	0.0108 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA58-G-H-4-230925-00-06 9/25/2023 0–6 inches	EA58-G-H-4-230925-06-12 9/25/2023 6–12 inches	EA58-H-3-4-230925-00-06 9/25/2023 0–6 inches	EA58-H-3-4-230925-06-12 9/25/2023 6–12 inches	EA58-H-I-10-230922-06-12 9/22/2023 6–12 inches	EA58-H-I-10-11-231025-00-06 10/25/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	68.2	71.2	74.7	66.6	39.9	90.1
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.028)	ND (1.0)	ND (0.021)
Aroclor 1221	SW8082A	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.028)	ND (1.0)	ND (0.021)
Aroclor 1232	SW8082A	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.028)	ND (1.0)	ND (0.021)
Aroclor 1242	SW8082A	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.028)	ND (1.0)	ND (0.021)
Aroclor 1248	SW8082A	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.028)	ND (1.0)	ND (0.021)
Aroclor 1254	SW8082A	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.028)	ND (1.0)	ND (0.021)
Aroclor 1260	SW8082A	0.068	0.0159 J	0.03	ND (0.028)	155	0.0107 J
Total PCB Aroclors (U = 0 max limit)		0.068	0.0159 J	0.03	ND (0.023)	155	0.0107 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA58-H-I-10-11-231025-06-12 10/25/2023 6–12 inches	EA58-H-I-10-11-231025-12-24 10/25/2023 12–24 inches	EA58-H-I-10-11-231025-24-36 10/25/2023 24–36 inches	EA58-I-5-6-230922-00-06 9/22/2023 0–6 inches	EA58-I-5-6-230922-06-12 9/22/2023 6–12 inches	EA58-I-8-230925-00-06 9/25/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	89.7	88.5	78.8	15.5	25.9	27.6
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.021)	ND (0.022)	ND (0.025)	ND (0.13)	ND (0.076)	ND (0.68)
Aroclor 1221	SW8082A	ND (0.021)	ND (0.022)	ND (0.025)	ND (0.13)	ND (0.076)	ND (0.68)
Aroclor 1232	SW8082A	ND (0.021)	ND (0.022)	ND (0.025)	ND (0.13)	ND (0.076)	ND (0.68)
Aroclor 1242	SW8082A	ND (0.021)	ND (0.022)	ND (0.025)	ND (0.13)	ND (0.076)	ND (0.68)
Aroclor 1248	SW8082A	ND (0.021)	ND (0.022)	ND (0.025)	ND (0.13)	ND (0.076)	ND (0.68)
Aroclor 1254	SW8082A	ND (0.021)	ND (0.022)	ND (0.025)	ND (0.13)	ND (0.076)	ND (0.68)
Aroclor 1260	SW8082A	0.0129 J	0.0297	0.0151 J	2.53	11.9	87.1
Total PCB Aroclors (U = 0 max limit)		0.0129 J	0.0297	0.0151 J	2.53	11.9	87.1

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA58-I-8-230925-06-12 9/25/2023 6–12 inches	EA58-I-J-3-231025-00-06 10/25/2023 0–6 inches	EA58-I-J-3-231025-06-12 10/25/2023 6–12 inches	EA58-I-J-3-231025-12-24 10/25/2023 12–24 inches	EA58-I-J-5-230925-00-06 9/25/2023 0–6 inches	EA58-I-J-5-230925-06-12 9/25/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	22.8	92.8	82.5	80	48.3	83.6
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.083)	ND (0.021)	ND (0.024)	ND (0.025)	ND (0.039)	ND (0.024)
Aroclor 1221	SW8082A	ND (0.083)	ND (0.021)	ND (0.024)	ND (0.025)	ND (0.039)	ND (0.024)
Aroclor 1232	SW8082A	ND (0.083)	ND (0.021)	ND (0.024)	ND (0.025)	ND (0.039)	ND (0.024)
Aroclor 1242	SW8082A	ND (0.083)	ND (0.021)	ND (0.024)	ND (0.025)	ND (0.039)	ND (0.024)
Aroclor 1248	SW8082A	ND (0.083)	ND (0.021)	ND (0.024)	ND (0.025)	ND (0.039)	ND (0.024)
Aroclor 1254	SW8082A	ND (0.083)	ND (0.021)	ND (0.024)	ND (0.025)	ND (0.039)	ND (0.024)
Aroclor 1260	SW8082A	4.92	ND (0.021)	ND (0.024)	ND (0.025)	0.0195 J	0.0343
Total PCB Aroclors (U = 0 max limit)		4.92	ND (0.017)	ND (0.020)	ND (0.021)	0.0195 J	0.0343

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA58-I-J-6-7-230922-06-12 9/22/2023 6–12 inches	EA58-I-J-8-9-231025-00-06 10/25/2023 0–6 inches	EA58-I-J-8-9-231025-06-12 10/25/2023 6–12 inches	EA58-I-J-8-9-231025-12-24 10/25/2023 12–24 inches	EA58-I-J-8-9-231025-24-36 10/25/2023 24–36 inches	EA58-J-K-5-231025-00-06 10/25/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	22	89.1	88.5	85	85.3	90.4
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.089)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Aroclor 1221	SW8082A	ND (0.089)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Aroclor 1232	SW8082A	ND (0.089)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Aroclor 1242	SW8082A	ND (0.089)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Aroclor 1248	SW8082A	ND (0.089)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Aroclor 1254	SW8082A	ND (0.089)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Aroclor 1260	SW8082A	3.31	0.0108 J	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Total PCB Aroclors (U = 0 max limit)		3.31	0.0108 J	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.018)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA58-J-K-5-231025-06-12 10/25/2023 6–12 inches	EA58-J-K-5-231025-12-24 10/25/2023 12–24 inches	EA58-J-K-6-7-230922-00-06 9/22/2023 0–6 inches	EA58-J-K-6-7-230922-06-12 9/22/2023 6–12 inches	EA58-K-7-231025-00-06 10/25/2023 0–6 inches	EA58-K-7-231025-06-12 10/25/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	90.1	90.2	72.3	80.9	90.8	83.4
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.025)	ND (0.022)	ND (0.023)
Aroclor 1221	SW8082A	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.025)	ND (0.022)	ND (0.023)
Aroclor 1232	SW8082A	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.025)	ND (0.022)	ND (0.023)
Aroclor 1242	SW8082A	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.025)	ND (0.022)	ND (0.023)
Aroclor 1248	SW8082A	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.025)	ND (0.022)	ND (0.023)
Aroclor 1254	SW8082A	ND (0.021)	ND (0.021)	ND (0.025)	ND (0.025)	ND (0.022)	ND (0.023)
Aroclor 1260	SW8082A	0.0092 J	ND (0.021)	0.0494	0.0446	0.0105 J	0.0633
Total PCB Aroclors (U = 0 max limit)		0.0092 J	ND (0.018)	0.0494	0.0446	0.0105 J	0.0633

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA58-K-7-231025-12-24 10/25/2023 12–24 inches	EA59A-A-B-14-230926-00-06 9/26/2023 0–6 inches	EA59A-A-B-14-230926-06-12 9/26/2023 6–12 inches	EA59A-B-12-230926-00-06 9/26/2023 0–6 inches	EA59A-B-12-230926-06-12 9/26/2023 6–12 inches	EA59A-B-C-11-230926-00-06 9/26/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	84	53.1	73.8	35.3	63	39.2
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.023)	ND (0.038)	ND (0.027)	ND (0.054)	ND (0.031)	ND (0.050)
Aroclor 1221	SW8082A	ND (0.023)	ND (0.038)	ND (0.027)	ND (0.054)	ND (0.031)	ND (0.050)
Aroclor 1232	SW8082A	ND (0.023)	ND (0.038)	ND (0.027)	ND (0.054)	ND (0.031)	ND (0.050)
Aroclor 1242	SW8082A	ND (0.023)	ND (0.038)	ND (0.027)	ND (0.054)	ND (0.031)	ND (0.050)
Aroclor 1248	SW8082A	ND (0.023)	ND (0.038)	ND (0.027)	ND (0.054)	ND (0.031)	ND (0.050)
Aroclor 1254	SW8082A	ND (0.023)	ND (0.038)	ND (0.027)	ND (0.054)	ND (0.031)	ND (0.050)
Aroclor 1260	SW8082A	0.0226 J	0.203	0.0186 J	0.808	0.553	1.02
Total PCB Aroclors (U = 0 max limit)		0.0226 J	0.203	0.0186 J	0.808	0.553	1.02

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59A-B-C-11-230926-06-12 9/26/2023 6–12 inches	EA59A-C-15-16-230927-00-06 9/27/2023 0–6 inches	EA59A-C-15-16-230927-06-12 9/27/2023 6–12 inches	EA59A-C-D-18-230928-00-06 9/28/2023 0–6 inches	EA59A-C-D-18-230928-06-12 9/28/2023 6–12 inches	EA59A-C-D-18-19-230928-00-06 9/28/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	55.7	50.4	63.5	56.7	65.3	70.3
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.034)	ND (0.037)	ND (0.031)	ND (0.033)	ND (0.029)	ND (0.027)
Aroclor 1221	SW8082A	ND (0.034)	ND (0.037)	ND (0.031)	ND (0.033)	ND (0.029)	ND (0.027)
Aroclor 1232	SW8082A	ND (0.034)	ND (0.037)	ND (0.031)	ND (0.033)	ND (0.029)	ND (0.027)
Aroclor 1242	SW8082A	ND (0.034)	ND (0.037)	ND (0.031)	ND (0.033)	ND (0.029)	ND (0.027)
Aroclor 1248	SW8082A	ND (0.034)	ND (0.037)	ND (0.031)	ND (0.033)	ND (0.029)	ND (0.027)
Aroclor 1254	SW8082A	ND (0.034)	ND (0.037)	ND (0.031)	ND (0.033)	ND (0.029)	ND (0.027)
Aroclor 1260	SW8082A	0.941	0.12	0.0985	0.184	0.0685	0.0718
Total PCB Aroclors (U = 0 max limit)		0.941	0.12	0.0985	0.184	0.0685	0.0718

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59A-C-D-18-19-230928-06-12 9/28/2023 6–12 inches	EA59A-D-9-231006-00-06 10/6/2023 0–6 inches	EA59A-D-9-231006-06-12 10/6/2023 6–12 inches	EA59A-D-E-9-10-231006-00-06 10/6/2023 0–6 inches	EA59A-F-8-230928-00-06 9/28/2023 0–6 inches	EA59A-F-8-230928-06-12 9/28/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	64.9	37.6	35.1	70.6	45.7	62.6
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.030)	ND (0.052)	ND (0.052)	ND (0.028)	ND (0.042)	ND (0.031)
Aroclor 1221	SW8082A	ND (0.030)	ND (0.052)	ND (0.052)	ND (0.028)	ND (0.042)	ND (0.031)
Aroclor 1232	SW8082A	ND (0.030)	ND (0.052)	ND (0.052)	ND (0.028)	ND (0.042)	ND (0.031)
Aroclor 1242	SW8082A	ND (0.030)	ND (0.052)	ND (0.052)	ND (0.028)	ND (0.042)	ND (0.031)
Aroclor 1248	SW8082A	ND (0.030)	ND (0.052)	ND (0.052)	ND (0.028)	ND (0.042)	ND (0.031)
Aroclor 1254	SW8082A	ND (0.030)	ND (0.052)	ND (0.052)	ND (0.028)	ND (0.042)	ND (0.031)
Aroclor 1260	SW8082A	0.104	1.73	3.12	0.063	1.23	1.06
Total PCB Aroclors (U = 0 max limit)		0.104	1.73	3.12	0.063	1.23	1.06

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59A-G-H-6-7-230928-06-12 9/28/2023 6–12 inches	EA59A-J-K-4-230928-00-06 9/28/2023 0–6 inches	EA59A-J-K-4-230928-06-10 9/28/2023 6–10 inches	EA59A-M-3-230928-00-06 9/28/2023 0–6 inches	EA59A-M-3-230928-06-12 9/28/2023 6–12 inches	EA59A-P-3-230927-06-12 9/27/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	45.3	21.5	41.1	24.4	37.7	66.2
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.042)	ND (0.091)	ND (0.047)	ND (0.077)	ND (0.052)	ND (0.029)
Aroclor 1221	SW8082A	ND (0.042)	ND (0.091)	ND (0.047)	ND (0.077)	ND (0.052)	ND (0.029)
Aroclor 1232	SW8082A	ND (0.042)	ND (0.091)	ND (0.047)	ND (0.077)	ND (0.052)	ND (0.029)
Aroclor 1242	SW8082A	ND (0.042)	ND (0.091)	ND (0.047)	ND (0.077)	ND (0.052)	ND (0.029)
Aroclor 1248	SW8082A	ND (0.042)	ND (0.091)	ND (0.047)	ND (0.077)	ND (0.052)	ND (0.029)
Aroclor 1254	SW8082A	ND (0.042)	ND (0.091)	ND (0.047)	ND (0.077)	ND (0.052)	ND (0.029)
Aroclor 1260	SW8082A	3.43	0.249	0.529	0.859	4.33	0.0556
Total PCB Aroclors (U = 0 max limit)		3.43	0.249	0.529	0.859	4.33	0.0556

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59-B-14-230926-00-06 9/26/2023 0–6 inches	EA59-B-14-230926-06-12 9/26/2023 6–12 inches	EA59-B-C-9-10-231019-00-06 10/19/2023 0–6 inches	EA59-B-C-9-10-231019-06-12 10/19/2023 6–12 inches	EA59-B-C-9-10-231019-12-24 10/19/2023 12–24 inches	EA59-B-C-9-10-231019-24-36 10/19/2023 24–36 inches
Conventional Parameters (percent)							
Total solids	SM2540E	54.2	62	--	--	--	--
Total solids	SM2540G	--	--	84.6	93.4	91	86.3
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.034)	ND (0.031)	ND (0.023)	ND (0.021)	ND (0.022)	ND (0.023)
Aroclor 1221	SW8082A	ND (0.034)	ND (0.031)	ND (0.023)	ND (0.021)	ND (0.022)	ND (0.023)
Aroclor 1232	SW8082A	ND (0.034)	ND (0.031)	ND (0.023)	ND (0.021)	ND (0.022)	ND (0.023)
Aroclor 1242	SW8082A	ND (0.034)	ND (0.031)	ND (0.023)	ND (0.021)	ND (0.022)	ND (0.023)
Aroclor 1248	SW8082A	ND (0.034)	ND (0.031)	ND (0.023)	ND (0.021)	ND (0.022)	ND (0.023)
Aroclor 1254	SW8082A	ND (0.034)	ND (0.031)	ND (0.023)	ND (0.021)	ND (0.022)	ND (0.023)
Aroclor 1260	SW8082A	0.0606	0.0204 J	0.0322	0.0090 J	ND (0.022)	ND (0.023)
Total PCB Aroclors (U = 0 max limit)		0.0606	0.0204 J	0.0322	0.0090 J	ND (0.018)	ND (0.019)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59-C-12-13-230927-00-06 9/27/2023 0–6 inches	EA59-C-12-13-230927-06-09 9/27/2023 6–9 inches	EA59-C-9-10-231006-00-06 10/6/2023 0–6 inches	EA59-C-D-11-231019-00-06 10/19/2023 0–6 inches	EA59-C-D-11-231019-06-12 10/19/2023 6–12 inches	EA59-C-D-11-BD0001 10/19/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	65.8	77	37.3	--	--	--
Total solids	SM2540G	--	--	--	85.7	95.3	94.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.028)	ND (0.026)	ND (0.052)	ND (0.022)	ND (0.021)	ND (0.020)
Aroclor 1221	SW8082A	ND (0.028)	ND (0.026)	ND (0.052)	ND (0.022)	ND (0.021)	ND (0.020)
Aroclor 1232	SW8082A	ND (0.028)	ND (0.026)	ND (0.052)	ND (0.022)	ND (0.021)	ND (0.020)
Aroclor 1242	SW8082A	ND (0.028)	ND (0.026)	ND (0.052)	ND (0.022)	ND (0.021)	ND (0.020)
Aroclor 1248	SW8082A	ND (0.028)	ND (0.026)	ND (0.052)	ND (0.022)	ND (0.021)	ND (0.020)
Aroclor 1254	SW8082A	ND (0.028)	ND (0.026)	ND (0.052)	ND (0.022)	ND (0.021)	ND (0.020)
Aroclor 1260	SW8082A	0.0136 J	0.0193 J	0.106	0.0331	0.0080 J	0.0082 J
Total PCB Aroclors (U = 0 max limit)		0.0136 J	0.0193 J	0.106	0.0331	0.0080 J	0.0082 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59-C-D-16-230927-06-12 9/27/2023 6–12 inches	EA59-D-E-12-13-231025-00-06 10/25/2023 0–6 inches	EA59-D-E-12-13-231025-06-12 10/25/2023 6–12 inches	EA59-D-E-12-13-BD0001 10/25/2023 6–12 inches	EA59-D-E-15-16-231025-00-06 10/25/2023 0–6 inches	EA59-D-E-15-16-231025-06-12 10/25/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	63.6	94.5	91.2	91.7	95.2	93.9
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.030)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)
Aroclor 1221	SW8082A	ND (0.030)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)
Aroclor 1232	SW8082A	ND (0.030)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)
Aroclor 1242	SW8082A	ND (0.030)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)
Aroclor 1248	SW8082A	ND (0.030)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)
Aroclor 1254	SW8082A	ND (0.030)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)
Aroclor 1260	SW8082A	0.0446	0.0071 J	ND (0.021)	ND (0.021)	0.0077 J	ND (0.020)
Total PCB Aroclors (U = 0 max limit)		0.0446	0.0071 J	ND (0.018)	ND (0.017)	0.0077 J	ND (0.02)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59-D-E-17-18-231025-00-06 10/25/2023 0–6 inches	EA59-D-E-17-18-231025-06-12 10/25/2023 6–12 inches	EA59-E-F-10-11-231019-00-06 10/19/2023 0–6 inches	EA59-E-F-10-11-231019-06-12 10/19/2023 6–12 inches	EA59-E-F-10-11-231019-12-24 10/19/2023 12–24 inches	EA59-E-F-10-11-231019-24-36 10/19/2023 24–36 inches
Conventional Parameters (percent)							
Total solids	SM2540E	94.8	92.9	--	--	--	--
Total solids	SM2540G	--	--	92.7	90.4	76.9	80.5
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.023)
Aroclor 1221	SW8082A	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.023)
Aroclor 1232	SW8082A	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.023)
Aroclor 1242	SW8082A	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.023)
Aroclor 1248	SW8082A	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.023)
Aroclor 1254	SW8082A	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.026)	ND (0.023)
Aroclor 1260	SW8082A	0.0079 J	ND (0.020)	0.0090 J	ND (0.021)	ND (0.026)	ND (0.023)
Total PCB Aroclors (U = 0 max limit)		0.0079 J	ND (0.02)	0.0090 J	ND (0.018)	ND (0.022)	ND (0.019)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59-G-8-9-231019-00-06 10/19/2023 0–6 inches	EA59-G-8-9-231019-06-12 10/19/2023 6–12 inches	EA59-G-8-9-231019-12-24 10/19/2023 12–24 inches	EA59-G-8-9-231026-24-30 10/26/2023 24–30 inches	EA59-H-I-6-7-231019-00-06 10/19/2023 0–6 inches	EA59-H-I-6-7-231019-06-12 10/19/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	93	--	--
Total solids	SM2540G	86.4	90.9	86.8	--	84.6	75.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.023)	ND (0.024)
Aroclor 1221	SW8082A	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.023)	ND (0.024)
Aroclor 1232	SW8082A	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.023)	ND (0.024)
Aroclor 1242	SW8082A	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.023)	ND (0.024)
Aroclor 1248	SW8082A	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.023)	ND (0.024)
Aroclor 1254	SW8082A	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.023)	ND (0.024)
Aroclor 1260	SW8082A	ND (0.022)	ND (0.022)	0.0255	ND (0.021)	0.0080 J	0.027
Total PCB Aroclors (U = 0 max limit)		ND (0.018)	ND (0.018)	0.0255	ND (0.017)	0.0080 J	0.027

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59-H-I-6-7-231019-12-24 10/19/2023 12–24 inches	EA59-H-I-6-7-231026-24-36 10/26/2023 24–36 inches	EA59-J-K-5-231025-00-06 10/25/2023 0–6 inches	EA59-J-K-5-231025-06-12 10/25/2023 6–12 inches	EA59-J-K-5-231025-12-24 10/25/2023 12–24 inches	EA59-J-K-5-231025-24-30 10/25/2023 24–30 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	80.1	94.8	90.5	87.6	89.1
Total solids	SM2540G	77.2	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.026)	ND (0.024)	ND (0.020)	ND (0.021)	ND (0.023)	ND (0.022)
Aroclor 1221	SW8082A	ND (0.026)	ND (0.024)	ND (0.020)	ND (0.021)	ND (0.023)	ND (0.022)
Aroclor 1232	SW8082A	ND (0.026)	ND (0.024)	ND (0.020)	ND (0.021)	ND (0.023)	ND (0.022)
Aroclor 1242	SW8082A	ND (0.026)	ND (0.024)	ND (0.020)	ND (0.021)	ND (0.023)	ND (0.022)
Aroclor 1248	SW8082A	ND (0.026)	ND (0.024)	ND (0.020)	ND (0.021)	ND (0.023)	ND (0.022)
Aroclor 1254	SW8082A	ND (0.026)	ND (0.024)	ND (0.020)	ND (0.021)	ND (0.023)	ND (0.022)
Aroclor 1260	SW8082A	ND (0.026)	ND (0.024)	0.0116 J	0.0077 J	ND (0.023)	ND (0.022)
Total PCB Aroclors (U = 0 max limit)		ND (0.022)	ND (0.020)	0.0116 J	0.0077 J	ND (0.019)	ND (0.019)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59-L-M-4-5-231025-00-06 10/25/2023 0–6 inches	EA59-L-M-4-5-231025-06-12 10/25/2023 6–12 inches	EA59-L-M-4-5-231025-12-24 10/25/2023 12–24 inches	EA59-L-M-4-5-BD0001 10/25/2023 0–6 inches	EA59-N-O-4-230927-00-06 9/27/2023 0–6 inches	EA59-N-O-4-230927-06-12 9/27/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	90.8	93.8	88.3	91.7	73.7	85.7
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.020)	ND (0.025)	ND (0.022)
Aroclor 1221	SW8082A	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.020)	ND (0.025)	ND (0.022)
Aroclor 1232	SW8082A	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.020)	ND (0.025)	ND (0.022)
Aroclor 1242	SW8082A	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.020)	ND (0.025)	ND (0.022)
Aroclor 1248	SW8082A	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.020)	ND (0.025)	ND (0.022)
Aroclor 1254	SW8082A	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.020)	ND (0.025)	ND (0.022)
Aroclor 1260	SW8082A	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.020)	0.0278	0.0165 J
Total PCB Aroclors (U = 0 max limit)		ND (0.018)	ND (0.017)	ND (0.018)	ND (0.02)	0.0278	0.0165 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA59-Q-3-4-230927-00-06 9/27/2023 0–6 inches	EA59-Q-3-4-230927-06-12 9/27/2023 6–12 inches	EA60A-B-C-4-5-230921-00-06 9/21/2023 0–6 inches	EA60A-B-C-4-5-230921-06-12 9/21/2023 6–12 inches	EA60A-B-C-5-6-231019-00-06 10/19/2023 0–6 inches	EA60A-B-C-5-6-231019-06-12 10/19/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	72.4	76.5	77	77	--	--
Total solids	SM2540G	--	--	--	--	89.1	79.9
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.027)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025)
Aroclor 1221	SW8082A	ND (0.027)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025)
Aroclor 1232	SW8082A	ND (0.027)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025)
Aroclor 1242	SW8082A	ND (0.027)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025)
Aroclor 1248	SW8082A	ND (0.027)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025)
Aroclor 1254	SW8082A	ND (0.027)	ND (0.026)	ND (0.025)	ND (0.024)	ND (0.022)	ND (0.025)
Aroclor 1260	SW8082A	0.0405	0.0352	0.0389	0.0169 J	0.143	0.279
Total PCB Aroclors (U = 0 max limit)		0.0405	0.0352	0.0389	0.0169 J	0.143	0.279

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA60A-B-C-5-6-231019-12-24 10/19/2023 12–24 inches	EA60A-B-C-5-6-231019-24-36 10/19/2023 24–36 inches	EA60A-C-5-6-230921-00-06 9/21/2023 0–6 inches	EA60A-C-5-6-230921-06-12 9/21/2023 6–12 inches	EA60A-C-6-231019-00-06 10/19/2023 0–6 inches	EA60A-C-6-231019-06-12 10/19/2023 6–12 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	51.2	55.1	--	--
Total solids	SM2540G	68.1	82	--	--	93.3	92.7
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.028)	ND (0.023)	ND (0.038)	ND (0.036)	ND (0.021)	ND (0.020)
Aroclor 1221	SW8082A	ND (0.028)	ND (0.023)	ND (0.038)	ND (0.036)	ND (0.021)	ND (0.020)
Aroclor 1232	SW8082A	ND (0.028)	ND (0.023)	ND (0.038)	ND (0.036)	ND (0.021)	ND (0.020)
Aroclor 1242	SW8082A	ND (0.028)	ND (0.023)	ND (0.038)	ND (0.036)	ND (0.021)	ND (0.020)
Aroclor 1248	SW8082A	ND (0.028)	ND (0.023)	ND (0.038)	ND (0.036)	ND (0.021)	ND (0.020)
Aroclor 1254	SW8082A	ND (0.028)	ND (0.023)	ND (0.038)	ND (0.036)	ND (0.021)	ND (0.020)
Aroclor 1260	SW8082A	0.085	0.0229 J	1.04	2.56	0.0185 J	0.0221 J
Total PCB Aroclors (U = 0 max limit)		0.085	0.0229 J	1.04	2.56	0.0185 J	0.0221 J

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA60A-C-6-231019-12-24 10/19/2023 12–24 inches	EA60A-C-6-231019-24-36 10/19/2023 24–36 inches	EA60A-C-6-BD0001 10/19/2023 12–24 inches	EA60-C-3-4-230921-00-06 9/21/2023 0–6 inches	EA60-C-3-4-230921-06-11 9/21/2023 6–11 inches	EA60-D-3-4-230921-00-06 9/21/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	--	--	--	49.8	76.1	72.2
Total solids	SM2540G	88.4	87.5	88	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.037)	ND (0.023)	ND (0.026)
Aroclor 1221	SW8082A	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.037)	ND (0.023)	ND (0.026)
Aroclor 1232	SW8082A	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.037)	ND (0.023)	ND (0.026)
Aroclor 1242	SW8082A	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.037)	ND (0.023)	ND (0.026)
Aroclor 1248	SW8082A	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.037)	ND (0.023)	ND (0.026)
Aroclor 1254	SW8082A	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.037)	ND (0.023)	ND (0.026)
Aroclor 1260	SW8082A	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.037)	ND (0.023)	ND (0.026)
Total PCB Aroclors (U = 0 max limit)		ND (0.017)	ND (0.018)	ND (0.018)	ND (0.030)	ND (0.019)	ND (0.022)

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA60-D-3-4-230921-06-12 9/21/2023 6–12 inches	EA60-E-4-230921-00-06 9/21/2023 0–6 inches	EA60-E-4-230921-06-12 9/21/2023 6–12 inches	EA60-F-3-4-230921-00-06 9/21/2023 0–6 inches	EA60-F-3-4-230921-06-12 9/21/2023 6–12 inches	EA60-F-G-4-230921-00-06 9/21/2023 0–6 inches
Conventional Parameters (percent)							
Total solids	SM2540E	75.6	68	74.6	74	52.5	48
Total solids	SM2540G	--	--	--	--	--	--
PCB Aroclors (mg/kg)							
Aroclor 1016	SW8082A	ND (0.026)	ND (0.028)	ND (0.024)	ND (0.026)	ND (0.038)	ND (0.039)
Aroclor 1221	SW8082A	ND (0.026)	ND (0.028)	ND (0.024)	ND (0.026)	ND (0.038)	ND (0.039)
Aroclor 1232	SW8082A	ND (0.026)	ND (0.028)	ND (0.024)	ND (0.026)	ND (0.038)	ND (0.039)
Aroclor 1242	SW8082A	ND (0.026)	ND (0.028)	ND (0.024)	ND (0.026)	ND (0.038)	ND (0.039)
Aroclor 1248	SW8082A	ND (0.026)	ND (0.028)	ND (0.024)	ND (0.026)	ND (0.038)	ND (0.039)
Aroclor 1254	SW8082A	ND (0.026)	ND (0.028)	ND (0.024)	ND (0.026)	ND (0.038)	ND (0.039)
Aroclor 1260	SW8082A	0.0191 J	0.0498	0.0379	ND (0.026)	ND (0.038)	1.96
Total PCB Aroclors (U = 0 max limit)		0.0191 J	0.0498	0.0379	ND (0.022)	ND (0.032)	1.96

Table 3
Summary of 2023 Reach 6 PDI Floodplain PCB Sampling Results

Chemical	Sample ID Sample Date Depth Method	EA60-F-G-4-230921-06-12 9/21/2023 6–12 inches	EA60-G-2-3-230921-06-12 9/21/2023 6–12 inches	EA60-I-J-2-230921-06-12 9/21/2023 6–12 inches
Conventional Parameters (percent)				
Total solids	SM2540E	31	69.3	37.7
Total solids	SM2540G	--	--	--
PCB Aroclors (mg/kg)				
Aroclor 1016	SW8082A	ND (0.061)	ND (0.026)	ND (0.049)
Aroclor 1221	SW8082A	ND (0.061)	ND (0.026)	ND (0.049)
Aroclor 1232	SW8082A	ND (0.061)	ND (0.026)	ND (0.049)
Aroclor 1242	SW8082A	ND (0.061)	ND (0.026)	ND (0.049)
Aroclor 1248	SW8082A	ND (0.061)	ND (0.026)	ND (0.049)
Aroclor 1254	SW8082A	ND (0.061)	ND (0.026)	ND (0.049)
Aroclor 1260	SW8082A	1.69	0.0305	2.97
Total PCB Aroclors (U = 0 max limit)		1.69	0.0305	2.97

Table 4
Summary of 2023 Reach 6 PDI Floodplain EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	EA56-AG-12 185436.793 2959320.123 0–0.5 ft		EA56-AH-14-15 185542.288 2959267.557 0.5–1 ft		EA56-AS-34 186522.725 2958714.63 0–0.5 ft		EA56-AX-20 185836.43 2958458.308 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	EA56-AG-12-231017-00-06	H4-FL002282-0-0000	EA56-AH-14-15-231017-06-12	H4-FL002283-0-0005 [H4-FL002283-1-0005]	EA56-AS-34-230927-00-06	H4-FL002262-0-0000	EA56-AX-20-230926-06-12	H4-FL002259-0-0005
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (89)	ND (180)	ND (32)	ND (63) [ND (62)]	ND (49)	ND (80)	ND (33)	ND (56)
Aroclor-1221	ND (89)	ND (180)	ND (32)	ND (63) [ND (62)]	ND (49)	ND (80)	ND (33)	ND (56)
Aroclor-1232	ND (89)	ND (180)	ND (32)	ND (63) [ND (62)]	ND (49)	ND (80)	ND (33)	ND (56)
Aroclor-1242	ND (89)	ND (180)	ND (32)	ND (63) [ND (62)]	ND (49)	ND (80)	ND (33)	ND (56)
Aroclor-1248	ND (89)	ND (180)	ND (32)	ND (63) [ND (62)]	ND (49)	ND (80)	ND (33)	ND (56)
Aroclor-1254	ND (89)	ND (180)	ND (32)	ND (63) [ND (62)]	ND (49)	ND (80)	ND (33)	ND (56)
Aroclor-1260	79.2 J	64 J	26.5 J	ND (63) [ND (62)]	5130	780 J	3200	590 J
Aroclor-1262	--	ND (180)	--	ND (63) [ND (62)]	--	ND (80)	--	ND (56)
Aroclor-1268	--	ND (180)	--	ND (63) [ND (62)]	--	ND (80)	--	ND (56)
Total PCBs (ND = 0)	79.2 J	64 J	26.5 J	ND (63) [ND (62)]	5130	780 J	3200	590 J

Table 4
Summary of 2023 Reach 6 PDI Floodplain EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	EA56-BA-25-26 186099.395 2958314.321 0–0.5 ft		EA56-BD-18 185720.543 2958206.648 0–0.5 ft		EA56-E-6 185142.692 2960709.438 0.5–1 ft		EA56-I-J-8 185221.055 2960501.165 0.5–1 ft		EA56-J-K-10 185324.374 2960446.009 0–0.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	EA56-BA-25-26-230927-00-06	H4-FL002261-0-0000	EA56-BD-18-230927-00-06	H4-FL002260-0-0000	EA56-E-6-231011-06-12	H4-FL002273-0-0005	EA56-I-J-8-231011-06-12	H4-FL002274-0-0005	EA56-J-K-10-231011-00-06	H4-FL002275-0-0000
PCB Aroclors (µg/kg)										
Aroclor-1016	ND (44)	ND (72)	ND (36)	ND (63)	ND (31)	ND (53)	ND (28)	ND (48)	ND (93)	ND (180)
Aroclor-1221	ND (44)	ND (72)	ND (36)	ND (63)	ND (31)	ND (53)	ND (28)	ND (48)	ND (93)	ND (180)
Aroclor-1232	ND (44)	ND (72)	ND (36)	ND (63)	ND (31)	ND (53)	ND (28)	ND (48)	ND (93)	ND (180)
Aroclor-1242	ND (44)	ND (72)	ND (36)	ND (63)	ND (31)	ND (53)	ND (28)	ND (48)	ND (93)	ND (180)
Aroclor-1248	ND (44)	ND (72)	ND (36)	ND (63)	ND (31)	ND (53)	ND (28)	ND (48)	ND (93)	ND (180)
Aroclor-1254	ND (44)	ND (72)	ND (36)	ND (63)	ND (31)	ND (53)	ND (28)	ND (48)	ND (93)	ND (180)
Aroclor-1260	2050	550 J	3030	440 J	ND (31)	8.6 J	ND (28)	ND (48)	600	420 J
Aroclor-1262	--	ND (72)	--	ND (63)	--	ND (53)	--	ND (48)	--	ND (180)
Aroclor-1268	--	ND (72)	--	ND (63)	--	ND (53)	--	ND (48)	--	ND (180)
Total PCBs (ND = 0)	2050	550 J	3030	440 J	ND (31)	8.6 J	ND (28)	ND (48)	600	420 J

Table 4
Summary of 2023 Reach 6 PDI Floodplain EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	EA56-N-14 185529.983 2960264.102 0–0.5 ft		EA56-P-6 185144.776 2960180.894 0.5–1 ft		EA56-U-6-7 185158.995 2959924.626 0–0.5 ft		EA56-W-X-6 185117.9 2959800.833 0–0.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	EA56-N-14-231011-00-06	H4-FL002276-0-0000	EA56-P-6-231012-06-12	H4-FL002277-0-0005	EA56-U-6-7-231012-00-06	H4-FL002278-0-0000	EA56-W-X-6-231012-00-06	H4-FL002279-0-0000
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (52)	ND (90)	ND (55)	ND (95)	ND (100)	ND (180)	ND (38)	ND (64)
Aroclor-1221	ND (52)	ND (90)	ND (55)	ND (95)	ND (100)	ND (180)	ND (38)	ND (64)
Aroclor-1232	ND (52)	ND (90)	ND (55)	ND (95)	ND (100)	ND (180)	ND (38)	ND (64)
Aroclor-1242	ND (52)	ND (90)	ND (55)	ND (95)	ND (100)	ND (180)	ND (38)	ND (64)
Aroclor-1248	ND (52)	ND (90)	ND (55)	ND (95)	ND (100)	ND (180)	ND (38)	ND (64)
Aroclor-1254	ND (52)	ND (90)	ND (55)	ND (95)	ND (100)	ND (180)	ND (38)	ND (64)
Aroclor-1260	2140	1400 J	ND (55)	ND (95)	ND (100)	52 J	ND (38)	ND (64)
Aroclor-1262	--	ND (90)	--	ND (95)	--	ND (180)	--	ND (64)
Aroclor-1268	--	ND (90)	--	ND (95)	--	ND (180)	--	ND (64)
Total PCBs (ND = 0)	2140	1400 J	ND (55)	ND (95)	ND (100)	52 J	ND (38)	ND (64)

Table 4
Summary of 2023 Reach 6 PDI Floodplain EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	EA56a-AW-AX-14 185517.939 2958485.208 0.5–1 ft		EA56a-BC-BD-13 185472.868 2958194.639 0.5–1 ft		EA57-AL-14 186580.483 2958155.32 0–0.5 ft		EA57-AL-AM-12 186486.832 2958138.471 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	EA56A-AW-AX-14-231013-06-12		EA56A-BC-BD-13-231013-06-12		EA57-AL-14-231003-00-06		EA57-AL-AM-12-231003-06-12	
	H4-FL002280-0-0005		H4-FL002281-0-0005		H4-FL002264-0-0000		H4-FL002263-0-0005	
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (89)	ND (170)	ND (43)	ND (78)	ND (110)	ND (180)	ND (90)	ND (140)
Aroclor-1221	ND (89)	ND (170)	ND (43)	ND (78)	ND (110)	ND (180)	ND (90)	ND (140)
Aroclor-1232	ND (89)	ND (170)	ND (43)	ND (78)	ND (110)	ND (180)	ND (90)	ND (140)
Aroclor-1242	ND (89)	ND (170)	ND (43)	ND (78)	ND (110)	ND (180)	ND (90)	ND (140)
Aroclor-1248	ND (89)	ND (170)	ND (43)	ND (78)	ND (110)	ND (180)	ND (90)	ND (140)
Aroclor-1254	ND (89)	ND (170)	ND (43)	ND (78)	ND (110)	ND (180)	ND (90)	ND (140)
Aroclor-1260	6030	610 J	994	110 J	16300	4100 J	46300	540 J
Aroclor-1262	--	ND (170)	--	ND (78)	--	ND (180)	--	ND (140)
Aroclor-1268	--	ND (170)	--	ND (78)	--	ND (180)	--	ND (140)
Total PCBs (ND = 0)	6030	610 J	994	110 J	16300	4100 J	46300	540 J

Table 4
Summary of 2023 Reach 6 PDI Floodplain EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	EA57-AP-AQ-17 186731.384 2957932.669 0–0.5 ft		EA57-AS-17-18 186751.406 2957828.543 0.5–1 ft		EA57-B-C-5 186140.443 2959945.049 0.5–1 ft		EA57-E-F-5-6 186144.635 2959793.498 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	EA57-AP-AQ-17-230925-00-06	H4-FL002258-0-0000	EA57-AS-17-18-230925-06-12	H4-FL002257-0-0005	EA57-B-C-5-231005-06-12	H4-FL002269-0-0005	EA57-E-F-5-6-231005-06-12	H4-FL002270-0-0005
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (86)	ND (53)	ND (40)	ND (150)	ND (69)	ND (110)	ND (38)	ND (64)
Aroclor-1221	ND (86)	ND (53)	ND (40)	ND (150)	ND (69)	ND (110)	ND (38)	ND (64)
Aroclor-1232	ND (86)	ND (53)	ND (40)	ND (150)	ND (69)	ND (110)	ND (38)	ND (64)
Aroclor-1242	ND (86)	ND (53)	ND (40)	ND (150)	ND (69)	ND (110)	ND (38)	ND (64)
Aroclor-1248	ND (86)	ND (53)	ND (40)	ND (150)	ND (69)	ND (110)	ND (38)	ND (64)
Aroclor-1254	ND (86)	ND (53)	ND (40)	ND (150)	ND (69)	ND (110)	ND (38)	ND (64)
Aroclor-1260	77.6 J	ND (53)	ND (40)	ND (150)	64800	5300	608	270
Aroclor-1262	--	ND (53)	--	ND (150)	--	ND (110)	--	ND (64)
Aroclor-1268	--	ND (53)	--	ND (150)	--	ND (110)	--	ND (64)
Total PCBs (ND = 0)	77.6 J	ND (53)	ND (40)	ND (150)	64800	5300	608	270

Table 4
Summary of 2023 Reach 6 PDI Floodplain EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	EA57-K-13 186512.116 2959506.9 0.5–1 ft		EA57-K-L-13 186544.86 2959538.6 0.5–1 ft		EA57-N-18 186767.191 2959378.845 0–0.5 ft		EA57-U-16 186687.756 2959012.047 0–0.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	EA57-K-13-231005-06-12	H4-FL002268-0-0005	EA57-K-L-13-231003-06-12	H4-FL002265-0-0005	EA57-N-18-231003-00-06	H4-FL002266-0-0000 [H4-FL002266-1-0000]	EA57-U-16-231004-00-06	H4-FL002267-0-0000
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (57)	ND (100)	ND (29)	ND (47)	ND (27)	ND (45) [ND (46)]	ND (32)	ND (62)
Aroclor-1221	ND (57)	ND (100)	ND (29)	ND (47)	ND (27)	ND (45) [ND (46)]	ND (32)	ND (62)
Aroclor-1232	ND (57)	ND (100)	ND (29)	ND (47)	ND (27)	ND (45) [ND (46)]	ND (32)	ND (62)
Aroclor-1242	ND (57)	ND (100)	ND (29)	ND (47)	ND (27)	ND (45) [ND (46)]	ND (32)	ND (62)
Aroclor-1248	ND (57)	ND (100)	ND (29)	ND (47)	ND (27)	ND (45) [ND (46)]	ND (32)	ND (62)
Aroclor-1254	ND (57)	ND (100)	ND (29)	ND (47)	ND (27)	ND (45) [ND (46)]	ND (32)	ND (62)
Aroclor-1260	38200	5700	ND (29)	ND (47)	ND (27)	ND (45) [ND (46)]	374	190 J
Aroclor-1262	--	ND (100)	--	ND (47)	--	ND (45) [ND (46)]	--	ND (62)
Aroclor-1268	--	ND (100)	--	ND (47)	--	ND (45) [ND (46)]	--	ND (62)
Total PCBs (ND = 0)	38200	5700	ND (29)	ND (47)	ND (27)	ND (45) [ND (46)]	374	190 J

Table 4
Summary of 2023 Reach 6 PDI Floodplain EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	EA58-B-C-18-19 186712.794 2956749.807 0–0.5 ft		EA58-D-E-15-16 186560.737 2956633.871 0.5–1 ft		EA58-F-13-14 186459.927 2956569.384 0.5–1 ft		EA58-G-12 186385.922 2956514.801 0–0.5 ft	
	GE	EPA	GE	EPA	GE	EPA	GE	EPA
	EA58-B-C-18-19-231019-00-06	H4-FL002284-0-0000	EA58-D-E-15-16-231025-06-12	H4-FL002286-0-0005	EA58-F-13-14-231025-06-12	H4-FL002287-0-0005	EA58-G-12-231025-00-06	H4-FL002288-0-0000
PCB Aroclors (µg/kg)								
Aroclor-1016	ND (22)	ND (37)	ND (21)	ND (35)	ND (21)	ND (37)	ND (24)	ND (40)
Aroclor-1221	ND (22)	ND (37)	ND (21)	ND (35)	ND (21)	ND (37)	ND (24)	ND (40)
Aroclor-1232	ND (22)	ND (37)	ND (21)	ND (35)	ND (21)	ND (37)	ND (24)	ND (40)
Aroclor-1242	ND (22)	ND (37)	ND (21)	ND (35)	ND (21)	ND (37)	ND (24)	ND (40)
Aroclor-1248	ND (22)	ND (37)	ND (21)	ND (35)	ND (21)	ND (37)	ND (24)	ND (40)
Aroclor-1254	ND (22)	ND (37)	ND (21)	ND (35)	ND (21)	ND (37)	ND (24)	ND (40)
Aroclor-1260	ND (22)	4.9 J	9.3 J	12 J	15.0 J	17 J	30.3	21 J
Aroclor-1262	--	ND (37)	--	ND (35)	--	ND (37)	--	ND (40)
Aroclor-1268	--	ND (37)	--	ND (35)	--	ND (37)	--	ND (40)
Total PCBs (ND = 0)	ND (22)	4.9 J	9.3 J	12 J	15 J	17 J	30.3	21 J

Table 4
Summary of 2023 Reach 6 PDI Floodplain EPA PCB Split Sample Results

Location ID Easting Northing Depth Interval	EA59-B-C-9-10 184961.658 2957189.017 1–2 ft		EA59-C-9-10 184954.592 2957167.673 0–0.5 ft		EA59A-D-9 184916.394 2957131.26 0.5–1 ft	
	GE	EPA	GE	EPA	GE	EPA
	EA59-B-C-9-10-231019-12-24	H4-FL002285-0-0010	EA59-C-9-10-231006-00-06	H4-FL002271-0-0000	EA59A-D-9-231006-06-12	H4-FL002272-0-0005
PCB Aroclors (µg/kg)						
Aroclor-1016	ND (22)	ND (37)	ND (52)	ND (44)	ND (52)	ND (100)
Aroclor-1221	ND (22)	ND (37)	ND (52)	ND (44)	ND (52)	ND (100)
Aroclor-1232	ND (22)	ND (37)	ND (52)	ND (44)	ND (52)	ND (100)
Aroclor-1242	ND (22)	ND (37)	ND (52)	ND (44)	ND (52)	ND (100)
Aroclor-1248	ND (22)	13 J	ND (52)	ND (44)	ND (52)	ND (100)
Aroclor-1254	ND (22)	ND (37)	ND (52)	ND (44)	ND (52)	ND (100)
Aroclor-1260	ND (22)	7.6 J	106	57	3120	1300 J
Aroclor-1262	--	ND (37)	--	ND (44)	--	ND (100)
Aroclor-1268	--	ND (37)	--	ND (44)	--	ND (100)
Total PCBs (ND = 0)	ND (22)	20.6 J	106	57	3120	1300 J

Table 4
Summary of 2023 Reach 6 PDI Floodplain EPA PCB Split Sample Results

Notes:

Bold: Detected result

--: not applicable

µg/kg: microgram per kilogram

ft: foot

J: Estimated value

ND: Compound analyzed for, but not detected above detection limit