

FINAL DATA SUMMARY REPORT

**Hudson River PCB Sediments OU-2 Site (546031)
Upper Hudson River, New York**



Prepared for:



New York State Department of Environmental Conservation
Division of Environmental Remediation

Prepared by:



EA ENGINEERING, P.C. and Its Affiliate
EA SCIENCE and TECHNOLOGY

December 2018

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Hudson River PCB Sediments OU-2 Site (546031)
Upper Hudson River, New York
Work Assignment D007624-36**

Prepared for

New York State Department of Environmental Conservation
Division of Environmental Remediation
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Albany, New York 12233-7017



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Version: FINAL
EA Project No. 14907.36

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LIST OF ACRONYMS AND ABBREVIATIONS

°C	Degrees Celsius
µg/L	Microgram(s) per liter
Anchor	Anchor QEA, LLC
ASTM	American Society for Testing and Materials
Athena	Athena Technologies, Inc.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CL	Confidence limit(s)
cm	Centimeter(s)
COC	Contaminant(s) of concern
cy	Cubic yard(s)
DC	Direct current
DER	Division of Environmental Remediation
EA	EA Engineering, P.C. and Its Affiliate EA Science and Technology
EDD	Electronic data deliverable
EDS	Environmental Data Services, Inc.
EPA	United States Environmental Protection Agency
ESI	Environmental Solutions, Inc.
FS	Feasibility study
ft	Feet (foot)
GE	General Electric
GNSS	Global Navigation Satellite System
GPS	Global positioning system
in.	Inch(es)
LIMS	Laboratory Information Management System
mg/kg	milligrams per kilogram
NGS	National Geodetic Survey
No.	Number
NPL	National Priorities List
NYSCC	New York State Canal Corporation
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OM&M	Operation, Maintenance, and Monitoring
OU	Operable unit

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

Pace	Pace Analytical Services, LLC
PCB	Polychlorinated biphenyl
PE	Performance evaluation
P.E.	Professional Engineer
P.G.	Professional Geologist
QA	Quality assurance
QAPP	Quality assurance project plan
QC	Quality control
RE	Relative error
ROD	Record of Decision
R/V	Research vessel
SEM	Standard error of the mean
SOP	Standard operating procedure
SSAP	Sediment Sampling and Analysis Program
TAGNO	Sample identification number
TOC	Total organic compound
USDA	U.S. Department of Agriculture
VRS	Virtual reference station

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1. INTRODUCTION

EA Engineering, P.C. and its affiliate EA Science and Technology (EA), on behalf of the New York State Department of Environmental Conservation (NYSDEC), has prepared this Data Summary Report to describe the 2017 Operation, Maintenance, and Monitoring (OM&M) activities undertaken by NYSDEC for Operable Unit (OU)-2 of the Hudson River Polychlorinated Biphenyl (PCB) Sediments Site (546031) (Site). The Site is located in the Upper Hudson River from Fort Edward, New York to the Federal Dam in Troy, New York (Figure 1-1). The OM&M activities involved sediment and fish sampling within eight river reaches, sample analysis, data evaluation, and reporting. The field and analytical work were conducted in accordance with the Letter Work Plan for the Hudson River PCB Sediments OU-2 Site (546031) (EA 2017a), EA's Generic Field Activities Plan (2011a), and the NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

1.1 SCOPE AND OBJECTIVES

1.1.1 Project Objectives

The primary objectives of the OM&M activities included:

- Undertake post-remedial sediment monitoring to evaluate the performance of the U.S. Environmental Protection Agency (EPA)-lead Hudson River PCB Sediments Site dredging and monitored natural recovery remedy.
- Collect data points sufficient to achieve defined statistical objectives.
- Establish baseline post-dredging concentrations of PCBs in the Upper Hudson River to use as comparison points in determining estimated sediment recovery rates.

1.1.2 Report Objectives

This Data Summary Report summarizes the field, laboratory, data validation, data handling, and statistical methods employed during the OM&M activities; as well as the findings from the field investigation, including data tables, figures, and data interpretation. The overall objective of this report is to present and evaluate the final validated data collected from the Site during the 2017 OM&M activities.

1.2 SITE DESCRIPTION

The Hudson River PCB Sediments Site (EPA Identification Number NYD980763841) includes a nearly 200-river-mile stretch of the Hudson River in eastern New York State from the Village of Hudson Falls to the Battery in New York City. For evaluation purposes, the river was divided into the Upper Hudson River (the length of river between the Village of Hudson Falls and the Federal Dam at Troy, New York) and the Lower Hudson River (the length of river between the Federal Dam at Troy, New York, and the Battery). The subject Site for this field program is the Upper

Hudson River; a 40-mile stretch of the river from the town of Fort Edward, New York, to the Federal Dam in Troy, New York (Figure 1-1). The EPA further divided the Upper Hudson River area into three main sections: River Section 1 is the most upstream section, extending approximately 6 miles from Fort Edward to the Thompson Island Dam; River Section 2 extends from the Thompson Island Dam to the Northumberland Dam near Schuylerville, an extent of approximately 5 miles; and River Section 3 extends from below the Northumberland Dam to the Federal Dam at Troy, an extent of approximately 29 miles.

The Hudson River PCB Sediments Site is broken into four OUs defined by EPA: OU-1 is the remedial work performed under the 1984 Record of Decision (ROD), OU-2 is the remedial work performed under the 2002 ROD, OU-3 is the removal action performed on Rogers Island in 1999, and OU-4 is the ongoing remedial investigation in the floodplains (NYSDEC 2016). The Upper Hudson River is both freshwater and non-tidal, with several tributaries joining downstream of Fort Edward. The largest of those tributaries are the Mohawk River, Batten Kill, Fish Creek, and the Hoosic River. Flow in this stretch of the Hudson River is primarily controlled by reservoirs above Glens Falls, including the Great Sacandaga Lake. The Upper Hudson River has an average depth of approximately 18 feet (ft) in the channel and less than 8 ft in the shoals, with a maximum depth of more than 45 ft. In the project area, the New York State Canal Corporation (NYSCC) navigation channel is generally identified as being a minimum of 12 ft deep (NYSDEC 2016).

Land use surrounding the Upper Hudson River consists primarily of residential and agricultural uses, with some commercial and industrial. The upper stretch of the Hudson River flows through four counties (Albany, Washington, Rensselaer, and Saratoga), where predominant landscapes include forests and farmlands surrounding urban centers and historic villages. Adjacent to the Upper Hudson River, ecosystems generally include forested shoreline wetlands, transitional uplands, and vegetated backwater such as emergent marsh and scrub-shrub wetlands.

In terms of commerce and industry in the area, counties along the Upper Hudson River are home to technology, oil service, and food companies, as well as the General Electric (GE) Hudson Falls and Fort Edward plants.

1.3 SITE HISTORY

Throughout an approximate 30-year period ending in 1977, GE used PCBs in its capacitor manufacturing operations at its Hudson Falls and Fort Edward, New York facilities. During this time, PCB oils were discharged both directly and indirectly from these plants into the Hudson River. New York State began an enforcement action against GE in the early 1970s, resulting in limitation of the direct PCB discharges from the capacitor plants and construction/operation of a new wastewater treatment plant at the Fort Edwards facility. In 1973, the Fort Edward Dam, a short distance downstream of the GE capacitor plants, was removed. Because of this removal, PCB-laden sediments once captured behind the dam were remobilized and deposited downstream, primarily near Rogers Island. In 1975, the New York State Department of Health (NYSDOH) issued the first consumption advisories for fish from the Hudson River, advisories that exist to the present day.

In 1984, the 200-mile stretch of river between Hudson Falls and the Battery in New York City, was placed on EPA's National Priorities List (NPL) of the country's most contaminated hazardous waste sites. EPA completed a Feasibility Study (FS) in 1984 and issued a ROD for the site, identifying contamination in the Upper Hudson River sediments as a threat to human health and the environment, but selected an interim No Action remedy for the contaminated sediments due to uncertainty in the reliability and effectiveness of remedial technologies available at that time.

Both New York State and the federal government continued to evaluate water quality, sediment, air quality, fish, and wildlife. Studies demonstrated that the river was not naturally recovering, and PCBs in the sediment posed a serious risk to human health and the environment. Investigations conducted to evaluate the extent of the problem revealed that most of the contaminated sediments were in "hot spots" situated in a 40-mile stretch of the river between the Town of Fort Edward and the Federal Dam.

In December 1989, EPA announced its decision to initiate a detailed Reassessment of the Interim No Action decision for the Upper Hudson River sediments. This was prompted by the Five-Year Review required by Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), technical advances in sediment dredging and treatment/destruction technologies, as well as a request by NYSDEC for a re-examination of the 1984 ROD. EPA completed the Reassessment in December 2000, with the release of the FS and Proposed Plan in late 2000. The Reassessment work is documented in several reports summarizing investigations conducted between 1991 and 2000. The Reassessment work culminated in the issuance of another ROD in 2002, which provided for the dredging of select sediment in the Upper Hudson River, and the establishment of performance standards to govern implementation of the project.

1.4 PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

Baseline water quality and fish data were collected, and engineering designs for the dredging remedy were completed and approved in 2008. During the design phase, a new water transmission pipeline was built to protect downstream water supplies from potential impact from the dredging work. Phase 1 of the dredging project was performed in 2009. Monitoring and operational data collected during Phase 1 indicated that PCB contamination extended deeper than anticipated and dredging plans were adjusted to optimize removal. At the end of Phase 1, a total of 286,000 cubic yards (cy) of contaminated sediment were removed from 48 acres of river bottom (NYSDEC 2016).

In 2010, EPA performed a Peer Review of the environmental monitoring and operational data and issued modifications to the scope of work and performance standards. EPA completed the first Five-Year Review in 2012. Based on the monitoring and operational data collected during Phase I, the Five-Year Review concluded that the fish flesh PCB goals would not be met in the targeted timeframe.

Between 2011 and 2015, approximately 2.4 million cubic yards of contaminated sediment were removed. Habitat reconstruction was completed and facility decommissioning was performed in 2016. The required post-remediation EPA-lead OM&M activities described in the Phase 2

OM&M Scope included monitoring of the sediment caps and stabilization measures installed in certain dredged areas and of the habitat replacement/reconstruction implemented in various areas of the Upper Hudson River (EPA 2010). The OM&M activities also included long-term water column, fish, and sediment monitoring to assess recovery.

GE conducted the first year of one component of the EPA-lead OM&M sediment sampling program in the Fall of 2016, and collected data to establish baseline post-dredging PCB concentrations for use as a point of comparison. EPA specified the collection of 226 surface sediment samples in non-dredged areas. The specific surface sediment sample locations were selected by EPA, using a randomized, unbiased sampling design. In addition, EPA provided a full set of 226 backup locations in case the primary locations were inaccessible or did not have sufficient sediment for sampling. A grab sampler was used to collect sediment samples from 192 of the primary target locations and 23 backup locations, for a total of 215 locations in non-dredged areas (Anchor QEA, LLC [Anchor] and Environmental Standards, Inc. [ESI] 2017). Samples were not collected at 11 locations because of lack of boat access or abandonment due to insufficient sediment. GE completed the second component of the first year of the EPA-lead OM&M sediment sampling program, conducting sampling inside dredged areas (126 locations anticipated, 149 samples – 15% quality assurance [QA] samples), in the Fall of 2017. EPA has not yet approved long-term monitoring plans for OU-2 (Anchor and ESI 2016).

2. OPERATION, MAINTENANCE, AND MONITORING FIELD ACTIVITIES

The specific objectives for the OM&M activities performed in 2017 by NYSDEC were to: (1) undertake post-remedial sediment monitoring to evaluate the performance of the EPA-lead Hudson River PCB Sediments Site dredging and monitored natural recovery remedy, (2) collect data points sufficient to achieve defined statistical objectives, and (3) establish baseline post-dredging concentrations of PCBs in the Upper Hudson River to use as comparison points in determining estimated sediment recovery rates. OM&M field activities were conducted from 15 June 2017 to 19 September 2017 and consisted of sediment sampling and fish sampling within eight river reaches (Figure 1-1). Field OM&M activities were conducted in accordance with the NYSDEC-approved OM&M Letter Work Plan (EA 2017a) and the OM&M Letter Work Plan Addendum—Fish Sampling (EA 2017b), with the exception of deviations identified in Section 2.4. Field OM&M activities and sampling procedures were conducted in a manner consistent with the EA Generic Health and Safety Plan (EA 2011b), Generic Field Activities Plan (EA 2011a), and Generic Quality Assurance Project Plan (QAPP) (EA 2011c) developed for Work Assignments conducted under Standby Engineering Services Contract Number (No.) D007624, and the associated site-specific addenda. Field modifications from the Work Plan (EA 2017a, 2017b) sampling procedures were approved by NYSDEC.

2.1 SAMPLING PROGRAM OVERVIEW

The sampling program was conducted in two phases. The first phase consisted of sediment sampling activities, and the second phase consisted of a fish sampling effort. Sediment sampling was conducted from 15 June 2017 to 31 August 2017. Three sampling vessels operated 6 days per week, targeting 1,678 locations and collecting 1,156 surface samples for laboratory analysis (457 locations were abandoned and 65 locations were removed from the program due to inaccessibility and/or safety concerns). At the request of NYSDEC, EA added the fish sampling effort to support NYSDEC's long-term monitoring objectives. Fish sampling began on 11 September 2017 and continued through 18 September 2017; final fish sample processing and shipping occurred on 19 September 2017. One vessel operated daily, collecting a total of 232 fish samples for laboratory analysis.

For the purposes of this OM&M field effort, NYSDEC broke the Upper Hudson River into eight reaches, or pools, instead of the three river segments as defined by the EPA. The river reaches generally correspond to portions of the river behind locks and dams, and NYSDEC expects the defined reaches to better relate to patterns of PCB fate and transport than the broader groupings defined by the river sections.

The reaches were defined, moving north to south along the river, as the following:

- **Reach 8:** Thompson Island Dam to the Fort Edward Dam/Rogers Island (Thompson Island Pool)
- **Reach 7:** Lock 6 to the Thompson Island Dam (Fort Miller Pool or Landlocked Pool)

- **Reach 6:** Lock 5 to Lock 6 in Fort Miller (Northumberland Pool)
- **Reach 5:** Lock 4 to Lock 5 in Schuylerville/Northumberland (Stillwater Pool)
- **Reach 4:** Lock 3 to Lock 4 in Stillwater (Upper Mechanicville Pool)
- **Reach 3:** Lock 2 to Lock 3 in Mechanicville (Lower Mechanicville Pool)
- **Reach 2:** Lock 1 to Lock 2 in Mechanicville
- **Reach 1:** Federal Dam at Troy to Lock 1.

2.2 SEDIMENT SAMPLING

Three primary vessels were utilized concurrently during the majority of the sediment sampling field effort. EA provided two vessels: the research vessel (R/V) *Belle*, a 28-ft SeaArk, and the R/V *Jane B*, a 25-ft SAFE boat. Athena Technologies, Inc. (Athena) provided the third vessel, the R/V *Good Vibrations*, a 24-ft pontoon boat. In areas of insufficient water depth for safe vessel operation, EA's 17-ft shallow draft Jon boat, the R/V *Shocker*, was used. The R/V *Shocker* was staffed with a two-person field crew. The R/V *Belle* and the R/V *Jane B* were each staffed with a three-person field crew consisting of a boat captain and two deck hands. The R/V *Good Vibrations* was staffed with two Athena field team members, a boat captain and a deck hand, and an EA field team member who performed oversight and assisted with sample collection and logging.

Mobilization for the sediment sampling field effort commenced on 12 June 2017. On 15 June 2017, sampling commenced on the R/V *Belle*, which was used for sediment sampling until 19 August 2017. The R/V *Jane B* was in operation from 17 June 2017 to 30 August 2017, and the R/V *Good Vibrations* was in operation from 6 July 2017 to 30 August 2017. The R/V *Shocker* was in operation from 22 August 2017 to 30 August 2017. Deviations to the work schedule are detailed in Section 2.4.2. A second, 17-ft shallow draft smaller Jon boat was used on 31 August 2017 to collect surface and subsurface sediment samples from the old Champlain Canal area in Schuylerville, New York; details are included in Sections 2.4.1 and 2.4.2.

Surface sediment samples were collected in both non-dredged and dredged areas of the Upper Hudson River (Figures 2-1A through 2-1D). At each location, a surficial sample was collected (via modified Van Veen sampler; exceptions detailed in Section 2.4.2) to characterize surface sediments. Sample location coordinates, sediment elevation, and bathymetric survey data were also collected.

The number and location of target sample locations was selected to provide sufficient data points to achieve defined statistical objectives (Sections 2.2.1 and 4). Sample sizes for each reach established in the study area were selected based on statistical evaluation of existing data. Sample locations were selected using a randomized and unbiased sampling design; additional information on the sample number and location selection rationale is included in Section 2.2.1. The coordinates

for each target location and associated field notes are provided in Tables 2-1A–H. Sample collection methods were generally consistent with those specified in the Surface Sediment Sampling Work Plan for 2016, Hudson River PCBs Superfund Site (Anchor and ESI 2016). Additional information on sample collection methods is included in Section 2.2.3. A global positioning system (GPS) survey of all investigation/sampling locations was completed as part of the sediment collection effort. Survey data were collected electronically from the navigation system and fathometer on each sampling vessel. Additional details on the survey data collection are provided in Section 2.2.3.

Laboratory analyses were performed by Pace Analytical Services, LLC (Pace) at their laboratories in Minneapolis, Minnesota; Green Bay, Wisconsin; and Billings, Montana. Surface sediment samples were analyzed for PCB Aroclors, PCB congeners, grain size, moisture content, and total organic carbon (TOC). Analytical testing methods were carried out in accordance with procedures outlined in the Generic QAPP (EA 2011c), Work Plan (EA 2017a), and site-specific QAPP addendum (EA 2017c), with the exception of moisture content; details are included in Section 2.4.2. Field modifications from the QAPP sampling procedures were approved by NYSDEC. Environmental Data Services, Inc. (EDS), an independent third-party data validator, reviewed analytical data provided by the analytical laboratory. EDS completed a 100% Category A and 20% Category B data validation.

2.2.1 Sediment Sampling Program Design and Rationale

The number of samples sufficient to achieve defined statistical objectives was determined using statistical design objectives specified by NYSDEC. The specific statistical design objectives included: (1) the ability to detect an 8% annual decline in mean sediment total PCB concentrations within a given reach between two consecutive 5-year monitoring periods with a statistical power of 80% at the 95% confidence level, and (2) the ability to determine the arithmetic mean PCB concentration for each reach with a relative error no greater than 20%. An analysis of both the Sediment Sampling and Analysis Program (SSAP) historical data (2003–2005), and the recent EPA/GE (2016) sample data in the non-dredged areas was conducted in order to estimate baseline arithmetic means and standard deviations for each river reach (Anchor and ESI 2002, 2016). Statistical analysis indicated that a sample size of 1,791 would satisfy these objectives. Since future data analysis was expected to combine the results of sampling from the EPA/GE 2016 data set with NYSDEC data, the 215 samples collected by EPA/GE in 2016 was subtracted from the sample size, yielding a total recommended sample number of 1,576. Based on discussions with NYSDEC, 13 additional locations were added to target areas of interest. A sample number of 1,589 was selected for the baseline sediment monitoring event to provide a robust initial data set to support future analysis. An additional 84 samples were added to the field sampling plan in other areas that were identified as potentially difficult to access due to water depths or safety concerns around the lock and dam structures, for a total of 1,673 targeted samples.

Sample locations were selected using a randomized and unbiased sampling design, using a systematic triangular grid with a random start location. The grid used to designate sample locations excluded bedrock, areas close to the locks deemed to be unsafe for sampling, and locations sampled by EPA/GE in 2016.

Five sample locations were added in Reach 5 during the execution of the sampling program. The new locations were added to an alcove in Schuylerville, New York, that had not been included in the ArcGIS shapefiles used in the statistical analysis and sampling design. On 27 June 2017, the R/V *Jane B* collected samples from locations at the mouth of alcove, and upon realizing the alcove was navigable, notified NYSDEC about the possibility of collecting additional samples from further up the alcove. Upon request from NYSDEC, EA added 5 locations spanning the length of the alcove, bringing the total number of target sample locations to 1,678.

Sample collection protocols, decontamination protocols, analytical methods, and data management procedures specified in the Surface Sediment Sampling Work Plan for 2016, Hudson River PCBs Superfund Site (Anchor and ESI 2016) were utilized in this sampling event, with alterations noted in the 2017 Work Plan (EA 2017a). These methods were selected to facilitate data comparisons and to allow data collected in the separate sampling events to supplement each other.

2.2.2 Precision Navigation and Horizontal Control

Global Navigation Satellite System (GNSS) survey techniques were used to navigate the R/Vs to within 10 ft of the target sample locations. GNSS utilizes data from both the United States (GPS) and Russian (GLONASS) satellite networks, yielding superior positional accuracy in the horizontal and vertical planes. All horizontal measurements collected were referenced to the New York State Plane East Coordinate system, U.S. Survey Feet and in the North American Datum of 1983 (NAD 83), while the vertical observations were referenced to the North American Vertical Datum of 1988 (NAVD 88). Differential corrections for the satellite positioning data were received real-time through a subscription to the KeyNetGPS Virtual Reference Station (VRS) Network (<http://www.keynetgps.com>). KeyNetGPS provides information derived from the National Geodetic Survey (NGS) Continuously Operating Reference Station Network.

The validity of the VRS correctors and positional information was verified via cross-check comparisons at a NGS benchmark located in Fort Miller (GPS and vertical control location AA7911). The benchmark was occupied at the start of the field effort and periodically throughout the duration of the effort as a QC check to ensure the continued accuracy of the information being utilized.

Vessel Navigation

Precision positioning for the sediment sampling operation was provided by a roving Trimble R8 GNSS receiver onboard the R/V *Belle* and a roving Trimble SPS 461 GNSS receiver onboard the R/V *Jane B*. Positioning information onboard the R/V *Good Vibrations* was provided by a Champion TKO GNSS receiver. All units simultaneously utilized GPS and GLONASS satellites to independently resolve the position of the antenna at an accuracy of ± 3 meters at a rate of up to 10 hertz in autonomous (or standalone) mode. Following the application of the VRS corrections, the positional information generated by the roving Trimble R8/Trimble SPS 461/Champion TKO GNSS receiver units yielded positional fixes with geodetic accuracies of 2 centimeters (cm) in the horizontal plane and 5 cm in the vertical plane.

The positioning information acquired by the roving Trimble R8/Trimble SPS 461/Champion TKO GNSS units was ported directly to HYPACK navigation and data acquisition software running on a computer laptop onboard the vessels via serial connection. HYPACK served as the primary survey management system; logging time, geographic position, and depth data continuously. It also provided a helmsman display, allowing the vessel operator to maneuver the vessel with the 100 ft radius surrounding the target sample location. The data were transmitted as National Marine Electronics Association strings (i.e., GGA – position and accuracy, heading in degrees true, and ZDA – GPS time reference in Zulu Time or Universal Time Coordinated) providing time, position and vessel heading, and elevation. As the data were received in HYPACK, the geodetic coordinates were converted to New York State Plane East coordinates in the units of U.S. Survey Feet in real time, based on the horizontal datum of NAD 83. The ellipsoidal height information was passed through the Continental United States 2012A Geoid model that converted the information to elevation (orthometric height) tied to the vertical datum of NAVD 88 in real time.

2.2.3 Sediment Sample Collection

The R/Vs navigated to the target sample locations utilizing HYPACK software. Once in position, field personnel deployed spuds and/or anchors, if appropriate. If a sampling location was in an area where using spuds or anchors was not feasible or if live-boating was preferable due to river conditions, sample collection without anchoring was attempted, and the vessel operator maintained position by making small adjustments. Live-boating facilitated field crew adjustment of a sample location when poor recovery warranted attempting additional grab samples.

At locations where water depths were less than 20 ft, a 0.5-inch (in.) diameter steel rod marked in 6-in. intervals (or equivalent) was used to manually probe the sediment surface to determine the surficial sediment type. The estimated sediment type (e.g. rock, fine-grained, coarse-grained, etc.) was recorded in the logbook and electronic field form.

Samples were collected using a modified Van Veen (Van Veen sampler modified with a supporting frame) capable of sampling in a variety of sediment conditions. In the event that use of a modified Van Veen sampler was not feasible or safe, samples were collected with a ponar dredge sampler or a Van Veen sampler; deviations from the sampling protocol are provided in Section 2.4.2. A total of 1,082 surface sediment samples (excluding quality control [QC] samples) were successfully collected using a modified Van Veen sampler, 48 samples were collected using a ponar dredge sampler, and 26 samples were collected using a Van Veen sampler.

The procedure for collecting surface samples via modified Van Veen included deploying the sampler off the edge of the boat, retrieving the sampler to the boat deck, and assessing whether the grab was usable (i.e., jaws were fully closed, no sediment runoff, washout noted, etc.). If the grab was usable, water was gently decanted from the top of the sampler using a clean siphon and the top 2 in. of sediment was transferred to an appropriate pan (typical penetration depths with the modified Van Veen sampler were 6 in.). The top 2 in. of sediment were determined using a spoon with a hole drilled at the 2-in. mark. Sediment was thoroughly homogenized and transferred to laboratory-approved containers, labeled, and stored on ice. All non-dedicated sampling equipment and tools used during sample collection were decontaminated using river water, a brush, and a

deionized water spray, in accordance with the Work Plan (EA 2017a). Remaining sample volume was returned to the river after sample collection at that location was complete. The same procedure was used for collecting surface samples via ponar dredge and via Van Veen. Equipment blanks were prepared in the field by processing a sample of playground sand in the same manner that environmental samples were processed.

If the grab was not usable, or was usable but did not contain sufficient material for sample collection, procedures for collecting additional grabs, compositing grabs, and abandoning locations were conducted in accordance with the Work Plan (EA 2017a). Starting on or near the proposed target sample location, the field crew attempted 3 grabs. If a sample, or sufficient sample volume could not be collected from those 3 grabs (composited, if necessary), the boat was repositioned to a different location within a 100-ft radius of the target sample location. In order to achieve sufficient volume for filling all required sample, the top 2 in. of sediment from grab sample attempts 1 through 3 or attempts 4 through 6 could be composited. The samples were combined into one aluminum pan and homogenized thoroughly prior to collection. In all, 43 of the over 1,200 samples were composites of 2 or 3 grabs.

Alternate locations within the 100 ft was chosen using several lines of evidence, including: visual observations of the attempted grabs (e.g., were soft sediments present and washed out, or were only cobbles pulled up in the sampler), known channels in the river (i.e., if target location was in a channel and the first 3 attempts were unsuccessful, the next attempts targeted an area outside of the channel), visual observations of depositional areas and/or bank composition, probing data, and transducer readings. Three or more additional grabs were attempted at an alternate location within the 100-ft radius. After a minimum of 6 unsuccessful attempts, the location was abandoned. Minor derivations from this approach were implemented when samples were collected via a smaller, flat bottom boat in water depths shallower than 1 ft that required the vessel to be run aground in order to sample within the 100-ft sampling radius. In these instances, one positional fix was used to represent the first 3 sampling attempts. If unsuccessful, a new location within the 100-ft radius was then occupied, a single positional fix obtained, and 3 or more additional attempts to recover sediments made. If a sample was successfully collected in these conditions, a positional fix was taken directly over the sampling location.

In accordance with the Work Plan, coordinates were recorded at each (EA 2017a) location where a sample was retained. The field team also recorded the number of sampling attempts deemed valid/fully compliant with project requirements at each location on field log sheets and the conditions encountered during each attempt. While not specified in the Work Plan, coordinates were recorded in raw data files each time the grab sampler was deployed and contacted the bottom. Thus, raw data files contain a series of coordinates at each of the over 1,600 locations visited. Coordinates in the raw data files represent: sampled locations, locations where samples were not collected due to refusal, materials (cobble, debris, shells, submerged aquatic vegetation) stuck in the sampler jaws, additional material to satisfy QA/QC (field duplicates and matrix spike/matrix spike duplicate) requirements, exploratory grabs in cobble-gravel transitional areas, instances where the field team was collecting toward the edge of the 100-ft radius and the sampler set down outside of the station radius.

Field data and observations of the sediment and sample location were recorded during the sample collection process. The actual coordinates and water depth of the sample location were collected when the sampler hit the bottom of the river, and recorded electronically and in the field logbook, as well as in HYPACK. Water depth was continuously measured in real time by the fathometer; exceptions are described in Section 2.4.2. Water surface elevation was also collected at the time the sampler hit the bottom of the river, using the roving Trimble R8/Trimble SPS 461/Champion TKO GNSS units. Sediment surface elevation was calculated and recorded in the field log and sample field forms.

The sample naming convention included the general project area and year collected as the first field (HR17-OU2 stands for Hudson River 2017, OU-2). The second and third fields in each sample name indicates the reach number, identified as R1, R2, R3, R4, R5, R6, R7, or R8, followed by the 3-digit number associated with the sample location. Field duplicates, equipment blanks, method blanks, and performance evaluation (PE) samples followed the naming scheme established for the native samples, using HR17-OU2, followed by the reach, QA/QC sample type (field duplicate/equipment blank/performance evaluation), and QA/QC sample number, which was assigned consecutively within each reach.

Water Depth Data Acquisition

An ODOM Echotrac CVM single-beam survey fathometer interfaced with a dual frequency (200 and 24 kilohertz) transducer was used to collect depth soundings at each location to a resolution of 0.1 ft. The transducer was pole-mounted to the starboard side of the EA and Athena vessels and at a fixed depth below the water's surface (draft). A draft correction was applied to the soundings by the fathometer to reflect the actual water depth relative to the air-water interface versus the bottom of the transducer. The raw depth soundings obtained by the ODOM Echotrac CVM were ported directly to HYPACK, where they were time-tagged and merged with positioning information. These data were then stored for post-processing and analysis at the conclusion of the field effort. The functionality and performance of the fathometer was verified via a series of lead line measurements at the start of each sampling day to ensure the accuracy of the recorded depth readings.

2.2.4 Analytical Program

Analytical samples were submitted to Pace laboratories located in Minneapolis, Minnesota; Green Bay, Wisconsin; and Billings, Montana. Samples were analyzed for PCB Aroclors and PCB congeners at the Minneapolis laboratory; TOC at the Green Bay laboratory; and grain size and moisture content at the Billings laboratory. Samples collected from 10 August 2017 to the end of the sampling event, were also analyzed for moisture content by American Society for Testing and Materials (ASTM) method D2216 at Atlantic Testing Laboratories in Clifton Park, New York. Deviations from the analytical protocol are included in Section 2.4.2.

Sediment samples at each location were analyzed for the following: PCB Aroclors, TOC, grain size, and percent moisture. Samples from 10 percent of the sample locations were analyzed for PCB congeners. Locations for PCB congener analysis were randomly selected and spaced

throughout the reaches. Sample analysis was completed as planned in the Generic QAPP (EA 2011c) and site-specific QAPP addendum (EA 2017c), with exceptions noted in Section 2.4.2.

2.2.5 Sample Handling, Chain-of-Custody, and Documentation

Each vessel, the onshore field coordinator, and the sample manager maintained separate logbooks. Copies of field logbooks are included in Appendix A. Surface sediment sample collection data were recorded in the electronic field data forms using tablet computers onboard the sampling vessels. Sample photographs were collected with the tablet computers and attached to the electronic field data forms. Electronic field data forms were uploaded to the secured field database immediately upon completion. Hardcopy versions of the form were used when electronic field data forms were not available. Field data forms are included in Appendix B. Field activities and sample information were also recorded in field logbooks. For convenience, the R/V *Belle* is referred to as Boat 1, the R/V *Jane B* is referred to as Boat 2, and the R/V *Good Vibrations* is referred to as Boat 3 throughout the field documentation. On 19 August 2017, the R/V *Belle* was pulled from the water and replaced with the R/V *Shocker*, which is referred to as Boat 1 from 22 August 2017 to the end of the sampling event.

After collection, samples were stored and transported to the field office on ice. Typically, samples were transported to the field office at the end of each day. If necessary, samples were offloaded and transported to the field office by an onshore support team member during the day. Samples were stored on ice overnight in the locked field office to be processed the next day. The onshore support team processed samples (e.g., prepared chains-of-custody, checked labeling, and packed samples for courier pick-up) in accordance with the Work Plan (EA 2017a). Due to the laboratory's use of a different Laboratory Information Management System (LIMS), separate chains-of-custody (COCs) were prepared for the samples analyzed for PCB congeners. All other analyses were included together on one COC.

Samples were collected from the EA office in Schuylerville, New York, by a courier working out of the Pace Service Center in Schenectady, New York, every day, Monday through Friday. Samples collected on Saturday were refrigerated and stored at the Schuylerville office space and shipped at the earliest possible time on the following Monday. In the event a courier was not available, EA field staff shipped samples via FedEx. Samples were shipped on ice to the appropriate laboratory, and arrived in good condition on time and in temperature, with exceptions noted in Section 2.4.2. All samples were checked into the Pace LIMS at the Pace Minneapolis Laboratory via COCs.

Documents, records, photographs, and information relating to field activities were maintained in the project file via electronic files and/or hard copy. Other records of sample collection activities include data collection sheets, chain-of-custody records, custody seals, sample tags, phone conversation records, and corrective action reports. Logbooks and other types of field documentation were copied and/or otherwise digitally reproduced and stored onto a secure server at on a daily basis. Logbooks, sediment data forms, and a photographic log of general onsite activities are included as Appendixes A, B, and C, respectively.

2.2.6 Quality Control

Throughout the project, various measures were implemented to ensure the overall quality and usability of the collected data. The field investigation activities included collection of additional quality control samples (e.g., duplicates, matrix spike/matrix spike duplicate, etc.) sufficient to meet the requirements of Section 7 of the Generic QAPP (EA 2011c) and the data quality objectives defined in Section 3.4.2 of the Work Plan (EA 2017a). Field and laboratory QC requirements were completed in accordance with Section 7 of the QAPP and Section 3.5.8 of the Work Plan (EA 2017a). Deviations from the Work Plan and QAPP are described in Section 2.4.2. Electronic field data forms, field logbooks, and sample labels were reviewed for completeness and accuracy by the onshore support team during sample processing activities.

Internal QA/QC checks were performed throughout the field event and an internal field audit was conducted to document adherence project plans, verify consistency between sample vessels, and review management procedures. The field audit was performed by the Project QA/QC Officer on 14 July 2017 and is included in Appendix D. The Project QA/QC Officer observed and assessed sample collection methods and sample management activities for each of the three sampling vessels and in the field office for compliance with the Work Plan (EA 2017a), Generic QAPP (EA 2011c), and the site-specific QAPP addendum (EA 2017c). No deficiencies or significant observations were identified during the field audit. Internal QA/QC checks on each of the three primary sampling vessels were performed by a Senior Scientist on 12 July 2017, 25 July 2017, 2 August 2017, 3 August 2017, 14 August 2017, and 15 August 2017.

Prior to the start of the field effort, the Project QA/QC Officer and Analytical Data Technical Lead performed an onsite audit of Pace's laboratory in Minneapolis, Minnesota on 1 June 2017. The emphasis of the onsite audit was on the systems in place for sample receipt, sample login, sample custody, processing of data, and reporting in support of the project. Prior to the onsite audit, a document review was completed on Pace's Standard Operating Procedures (SOPs) and Quality Assurance Manuals supporting the project. No deficiencies or significant observations were identified during the laboratory audit. An Audit Report was distributed to NYSDEC and EA's Project Manager and is provided in Appendix D.

Five PE samples were submitted to Pace for analytical analysis randomly throughout the summer between 31 July 2017 and 25 August 2017. PE samples were used as a measure of accuracy and will be used to establish accuracy limits (upper and lower control limits) for future analytical testing. Four samples were prepared for PCB Aroclors analysis and one sample was prepared for PCB congener analysis. The PE samples were custom made by Phenova, Inc. on 31 July 2017 and were prepared in a manner consistent with the preparation procedures used for the 2009 Phase 1 Remedial Action Monitoring Program (Anchor and ESI 2009) and Phase 2 Remedial Action Monitoring QAPP (Anchor and ESI 2012).

PE samples were submitted to Pace as single blind PEs with the samples collected from the site and analyzed for PCB Aroclors, PCB congeners, percent moisture and moisture content. Four sediment PEs were prepared with Aroclor 1221 and Aroclor 1242 mixtures and each with Total

PCB concentrations of 1 milligram per kilogram (mg/kg) and a moisture content of approximately 30 percent. The concentration of each Aroclor and Total PCBs in each PE was as follows:

PE/EA Sample Identification	Aroclor 1221 (mg/kg dry)	Aroclor 1242 (mg/kg dry)	Total PCBs (mg/kg dry)
20475-001/RI-PE01	0.5	0.5	1
20475-002/RI-PE03	0.667	0.333	1
20475-003/RI-PE04	0.75	0.305	1
20475-004/RI-PE05	0.8	0.2	1

One sediment PE was prepared with a random mixture of PCB congeners and a moisture content of approximately 30 percent. The concentration of each PCB congener was as follows:

PCB congener	Value – Nanogram(s) per kilogram dry
BZ# 1 (2-chlorobiphenyl)	200
BZ# 4 (2,2'-dichlorobiphenyl)	100
BZ# 5 (2,3-dichlorobiphenyl)	50
BZ# 6 (2,3'-dichlorobiphenyl)	50
BZ# 7 (2,4-dichlorobiphenyl)	50
BZ# 8 (2,4'-dichlorobiphenyl)	50
BZ# 9 (2,5-dichlorobiphenyl)	50
BZ# 10 (2,6-dichlorobiphenyl)	100
BZ# 15 (4,4'-dichlorobiphenyl)	50
BZ# 16 (2,2',3-trichlorobiphenyl)	50
BZ# 17 (2,2',4-trichlorobiphenyl)	50
BZ# 18 (2,2',5-trichlorobiphenyl)	50
BZ# 19 (2,2',6-trichlorobiphenyl)	50
BZ# 20 (2,3,3'-trichlorobiphenyl)	50
BZ# 22 (2,3,4'-trichlorobiphenyl)	50
BZ# 24 (2,3,6-trichlorobiphenyl)	50
BZ# 25 (2,3',4-trichlorobiphenyl)	50
BZ# 26 (2,3',5-trichlorobiphenyl)	50
BZ# 27 (2,3',6-trichlorobiphenyl)	50
BZ# 28 (2,4,4'-trichlorobiphenyl)	50
BZ# 31 (2,4',5-trichlorobiphenyl)	50
BZ# 32 (2,4',6-trichlorobiphenyl)	50
BZ# 33 (2',3,4-trichlorobiphenyl)	50

PCB congener	Value – Nanogram(s) per kilogram dry
BZ# 37 (3,4,4'-trichlorobiphenyl)	50
BZ# 40 (2,2',3,3'-tetrachlorobiphenyl)	50
BZ# 41 (2,2',3,4-tetrachlorobiphenyl)	50
BZ# 42 (2,2',3,4'-tetrachlorobiphenyl)	50
BZ# 43 (2,2',3,5-tetrachlorobiphenyl)	50
BZ# 44 (2,2',3,5'-tetrachlorobiphenyl)	50
BZ# 45 (2,2',3,6-tetrachlorobiphenyl)	50
BZ# 46 (2,2',3,6'-tetrachlorobiphenyl)	50
BZ# 49 (2,2',4,5'-tetrachlorobiphenyl)	50
BZ# 51 (2,2',4,6'-tetrachlorobiphenyl)	50
BZ# 52 (2,2',5,5'-tetrachlorobiphenyl)	50
BZ# 53 (2,2',5,6'-tetrachlorobiphenyl)	50
BZ# 56 (2,3,3',4'-tetrachlorobiphenyl)	50
BZ# 57 (2,3,3',5-tetrachlorobiphenyl)	50
BZ# 59 (2,3,3'6-tetrachlorobiphenyl)	50
BZ# 60 (2,3,4,4'-tetrachlorobiphenyl)	50
BZ# 64 (2,3,4',6-tetrachlorobiphenyl)	50
BZ# 66 (2,3',4,4'-tetrachlorobiphenyl)	50
BZ# 67 (2,3',4,5-tetrachlorobiphenyl)	50
BZ# 70 (2,3',4',5-tetrachlorobiphenyl)	50
BZ# 71 (2,3',4',6-tetrachlorobiphenyl)	50
BZ# 74 (2,4,4',5-tetrachlorobiphenyl)	50
BZ# 77 (3,3',4,4'-tetrachlorobiphenyl)	50
BZ# 84 (2,2',3,3',6-pentachlorobiphenyl)	50
BZ# 87 (2,2',3,4,5'-pentachlorobiphenyl)	50
BZ# 90 (2,2',3,4',5-pentachlorobiphenyl)	50
BZ# 92 (2,2',3,5,5'-pentachlorobiphenyl)	50
BZ# 95 (2,2',3,5',6-pentachlorobiphenyl)	50
BZ# 96 (2,2',3,6,6'-pentachlorobiphenyl)	50
BZ# 101 (2,2',4,5,5'-pentachlorobiphenyl)	50
BZ# 102 (2,2',4,5,6'-pentachlorobiphenyl)	50
BZ# 105 (2,3,3',4,4'-pentachlorobiphenyl)	50

PCB congener	Value – Nanogram(s) per kilogram dry
BZ# 110 (2,3,3',4',6-pentachlorobiphenyl)	50
BZ# 115 (2,3,4,4',6-pentachlorobiphenyl)	50
BZ# 118 (2,3',4,4',5-pentachlorobiphenyl)	50
BZ# 132 (2,2',3,3',4,6'-hexachlorobiphenyl)	50
BZ# 138 (2,2',3,4,4',5'-hexachlorobiphenyl)	50
BZ# 149 (2,2',3,4',5',6-hexachlorobiphenyl)	50
BZ# 151 (2,2',3,5,5',6-hexachlorobiphenyl)	50
BZ# 163 (2,3,3',4',5,6-hexachlorobiphenyl)	50
BZ# 164 (2,3,3',4',5',6-hexachlorobiphenyl)	50

Pace prepared and analyzed the PE samples in the same manner as the native samples submitted for analysis. All remaining aliquots prepared by Phenova, Inc. are being stored frozen until requested for additional analyses. The results of the PE samples are included in the laboratory hardcopy data packages for sediment samples analyzed by Pace and applicable subcontractors are included in Appendix E.

2.3 FISH SAMPLING

Mobilization for the fish sampling field effort commenced on 09 September 2017. On 11 September 2017, sampling commenced using a 20 ft long, semi-v Jon boat outfitted with electrofishing equipment and was completed on 18 September 2017. Work, including sample planning, collection, and processing, was performed in coordination with NYSDEC. The sample collection procedures and analytical testing methods were carried out in accordance with procedures outlined in the Work Plan and NYSDEC Fish Sampling SOPs. Field modifications from the Work Plan sampling procedures were approved by NYSDEC.

Fish were collected by means of direct current (DC) pulsed electrofishing and trap netting. Forage fish (primarily Spottail Shiners [*Notropis hudsonius*]) and Pumpkinseed (*Lepomis gibbosus*) samples were collected in each reach by means of DC pulsed electrofishing and trap netting. Target sample numbers for each reach were provided by NYSDEC. Target locations in reaches sampled in 2016 by GE/EPA (Reach 5 North, and Reaches 6 through 8) included those previously sampled locations. In reaches not previously sampled, (Reaches 1 through 4 and Reach 5 South) target locations emphasized geographic coverage, with consideration of limitations due to habitat availability. Table 2-2 provides the GPS coordinates of each sampled area and Figures 2-2A through 2-2D depict the actual sampled areas.

After an initial training session at the Schuylerville boat ramp provided by a NYSDEC scientist, sample processing activities were conducted in the Schuylerville field office by an onshore support team. The onshore team coordinated several pickups of fish specimens from the on-water team throughout the day to expedite sample processing.

Fish scales were collected from Pumpkinseed specimens and submitted to EA's Deerfield, Illinois, office for age determination. Whole fish samples were submitted to Pace at their lab in Green Bay, Wisconsin and analyzed for PCBs as congeners. Fish samples were also analyzed for percent lipids and percent moisture. A total of 89 Pumpkinseed (or substitute centrarchid) samples and 143 forage fish composite samples were collected for PCB analysis.

2.3.1 Fish Sampling Program Design and Rationale

The project objective was to assess and evaluate spatial relationships and temporal trends in Hudson River PCB contamination as reflected by PCB concentrations in fish tissue. The sampling design was consistent with Segment I of NYSDEC's Long Term Hudson River Remedial Biota Evaluation, PCB Analysis Project, Lower Hudson River Plan (NYSDEC 2003), which targeted yearling Pumpkinseeds and forage species. These species were selected because of their prevalence and residential behavior, which makes them good indicators of local PCB contamination. Fish collection and sample handling methods used were consistent with NYSDEC General Fish Handling Procedures for Contaminant Analysis (NYSDEC 2017). Fish sampling forms can be found in Appendix F.

Target sample sizes per reach were determined by NYSDEC based on the minimum fish samples required to perform statistical analyses on the rate of recovery over a 5-year timeframe (NYSDEC 2017). Due to its size, Reach 5 was split into two reaches. Sample locations for the northern part of Reach 5 through Reach 8 were selected based on the location of historical fish sampling areas provided by NYSDEC. Sample locations in Reach 1 through the southern part of Reach 5 were selected to provide adequate geographic coverage to achieve defined statistical objectives.

2.3.2 Navigation

A Garmin eTrex Vista HCx GPS receiver was used to aid in navigation during the fish sampling field effort. In Reaches 1-4, the vessel operator used the GPS to navigate to the target locations. In Reaches 5-8, which had been previously sampled, site maps were used primarily for navigation, and the GPS served as an additional aid. Coordinates were recorded at the starting point and end point of fish collection in a particular area.

2.3.3 Fish Sample Collection

The R/V navigated to the target sample locations utilizing the GPS unit. Once in position, the boat operator moved the boat slowly through likely fish habitat (e.g., submerged aquatic vegetation). Electrofishing was conducted using a boat-mounted electrofishing system powered by a 6,000-watt generator and output was controlled by a Smith Root Model VVP-15B electrofisher. Output settings were typically maintained at 35% pulse width and 80 pulses per second. Two circular anode arrays connected to extendable booms were used to conduct current to the water with the boat acting as the cathode. For safety purposes, the generator was grounded to the boat and a pedal placed at the bow of the boat provided power to the electrodes only when a dipnetter was standing on the mat. The sampling crew consisted of one driver and two dipnetters. A 3/16-in. mesh dip net was used to collect stunned fish and place them into a live

well. Following collection, stunned fish were sorted and identified by the crew. Fish identifications were verified by the vessel operator, who was an expert in freshwater fish identification. Target fish were placed into a food-grade bag, labeled, and stored on ice. All non-target fish were returned to the river. Target fish were stored on ice until they were transported to the field office, where they were processed.

A fyke net, which is a type of fish trap, was utilized on one occasion when a sufficient number of target species could not be obtained during the sampling day. Personnel deployed the net by setting one end in the tree line and securing it with a metal stake, then slowly moving the vessel backwards away from the shore and feeding the net out. Weighted blocks fixed the net to the bottom and prevented it from drifting downstream with the current. The net was deployed in Reach 1 on 15 September 2017, and was recovered the next day. Target species were collected from the net, and the remaining fish were returned to the river.

If sufficient target species (Pumpkinseeds and Spottail Shiners) were not available in a reach, substitutions were made in accordance with the Work Plan Addendum (EA 2017b). NYSDEC provided a list of acceptable substitute species. Redbreast Sunfish (*Lepomis auritus*) were collected when sufficient Pumpkinseed individuals could not be obtained. When Redbreast Sunfish were collected to fulfill target sample quantities, at least fifteen individuals of that species were collected from the same reach for age verification and subsequent analysis. Substitute forage fish species collected in this event included Spottail Shiners (*Cyprinella spiloptera*), Golden Shiners (*Notemigonus crysoleucas*), Fallfish (*Semotilus corporalis*), and Emerald Shiners (*Notropis atherinoides*). Substitute forage fish species were collected in the same quantities as Spottail Shiners.

During sample processing, centrarchid fish were measured for total length, weighed, and de-scaled for the aging analysis. Approximately ten scales were collected from each Pumpkinseed and Redbreast Sunfish using a clean knife in accordance with NYSDEC's General Fish Handling Procedures for Contaminant Analysis (NYSDEC 2003). Scales were collected from the left side of the fish below the lateral line and towards the posterior end of the fish. Scales were placed into individual scale envelopes for age determination analysis.

2.3.4 Analytical Program

Frozen fish samples were sent to Pace. Samples were analyzed for PCBs as congeners by gas chromatography/mass spectrometry, with high resolution mass spectrometry required for the 12 dioxin-like congeners. Percent lipid and percent moisture were also determined. Analytical reports were sent directly to NYSDEC.

Scale samples from Pumpkinseeds and Redbreast Sunfish were sent to EA's Deerfield, Illinois, office for age determination. As fish grow, ridge structures called circuli form at the edge of scales with numerous circuli being laid down throughout the year. Fish growth slows or stops during colder winter months resulting in a group of crowded or incomplete circuli rings called annuli, similar to growth rings observed in trees. In the Northern Hemisphere, the birth date of most fish is considered January 1, to account for variability in the formation of annuli among species and

regions (Zale et al. 2012). Both centrarchid species captured during this study spawn in late spring until summer, as such Age 1 fish most likely hatched in the Spring or Summer of 2016 and express a single annulus with numerous circuli towards the edge of the scale representing growth in 2017. Similarly, Age 2 fish most likely hatched in spring or Summer of 2015 and express two annuli.

Age determination was performed by one biologist viewing the scales with a dissecting microscope at 20 to 45 times magnification. Approximately 10 or more scales for each specimen were neatly arranged on a glass slide and covered with a second slide to flatten the cupped profile of the scales. Bottom lighting was used to shine through the scales and look for consistent patterns in number and location of annuli. A second scientist provided quality control by observing 20% of the specimens to check for any discrepancies.

Discrepancies in age determination can stem from the formation of false annuli called checks and regenerated scales. Checks form during atypical events resulting in slow growth such as extreme weather events, injury, or stress. Indicators of checks include annuli that appear incomplete or two annuli spaced unusually close together. Fish can regenerate scales when loss occurs. Regenerated scales generally lack preexisting growth rings and produce irregular circuli after regeneration, and are therefore, unsuitable for use in accurate age determination (Zale et al. 2012).

2.3.5 Sample Handling, Chain-of-Custody, and Documentation

Fish were sorted into separate bags by species, counted, and labeled with the sample location in the field. The labeled bags were stored on ice until they were collected by an onshore team member. Collection location descriptions and number of target species specimens released from the field team to the onshore team were recorded on the NYSDEC Chain-of-Custody form. A separate NYSDEC Chain-of-Custody was filled out for each sample location.

Samples selected for laboratory analysis were spread evenly between the target locations within the pool, to the extent possible, to provide adequate spatial coverage. The total length and weight of each fish was measured, and samples were placed into plastic sample bags with a metal tag marked with a unique tag number (TAGNO, the sample identification number). Pumpkinseeds were bagged separately and prepared for analysis on a whole-body basis as an individual. Forage fish were processed as composite samples for analysis. Forage fish of the same species were grouped by body length to have similar-sized individuals in each composite. Larger fish may be longer-lived and are more likely to have acquired higher levels of contaminants in their tissue. Grouping similar-sized fish for analysis reduces any potential sample bias created by larger individuals. Forage fish composites consisted of five to ten individuals, with ten individuals being the target number as per NYSDEC guidelines (NYSDEC 2017). Each composite had a total targeted mass of 10 grams and minimum of 5 grams to ensure sufficient material for analysis. Substitute centrarchids and forage fish species were processed using the same procedures. Sample bags from each location were placed together into a larger, location-specific bag.

The TAGNO, species, total length, weight, date collected, collection location (e.g., description, reach, GPS coordinates), method of collection, and collection personnel for each sample was recorded on the NYDEC's Fish Collection Record Form. Sample bags, reach-specific bags, and

scale envelopes were labeled in accordance with the Work Plan Addendum (EA 2017b). Sample bags were stored in a freezer until the end of the sampling event, when they were shipped to Pace's laboratory in Green Bay, Wisconsin, for laboratory analysis. All the samples were included on one chain-of-custody.

Data recorded in the Fish Collection Record Form were entered into NYSDEC's fish collection database template on a daily basis. Copies of the Fish Collection Record Forms were included with the Daily Field Reports sent to NYSDEC, and updated database files were submitted periodically.

2.3.6 Quality Control

QA/QC field samples were not collected in the fish sampling program. Any QA/QC analyses and results were reported directly to NYSDEC.

2.4 DEVIATIONS FROM THE WORK PLAN, GENERIC QUALITY ASSURANCE PROJECT PLAN, AND FISH SAMPLING PLAN

2.4.1 Sediment Sampling Locations

Sixty-five of the 1,678 target locations (approximately 4%) locations were removed from the sampling program following initiation due to either inaccessibility or unsafe field conditions. Attempts were made to reach all target locations, and photographs and/or observations of inaccessible locations were recorded. At the direction of NYSDEC, some inaccessible or unsafe locations were moved to an appropriate replacement location close to the original, and others were removed from the program without a replacement. Tables 2-1A–H and Appendix B provide additional details regarding each sample location removed from the sampling program; these inaccessible locations are depicted on the sample results figures presented in Section 3.

Of the remaining 1,613 locations, 457 (or approximately 27% of the total target locations) were abandoned due to insufficient sediment recovery. Decisions to abandon locations were made in accordance with Work Plan procedures. Locations were abandoned primarily due to the sediment surface conditions encountered (e.g., bedrock, cobbles, large gravel, woody debris). Descriptions and/or photographs of attempts to collect sediment at abandoned locations are included in the sample field forms included in Appendix B and are described in Tables 2-1A–H; abandoned locations are depicted on the sample results figures presented in Section 3.

As the sampling effort was underway, NYSDEC requested that EA add 5 sample locations in Reach 5 to an alcove in Schuylerville, New York that was not previously included in the sample plan. NYSDEC also requested that EA collect 6 additional surface sediment samples and 3 sediment core composite samples from a 1-mile section of the Old Champlain Canal, located in Schuylerville, New York (discussed further in Section 2.4.2). The Old Champlain Canal runs parallel to the Hudson River from Lock 5, where it receives water from the Hudson River, to Fish Creek, a tributary to the Hudson. Locations were selected in consultation with NYSDEC; 2 surface sediment locations were collected upstream of the athletic field near the Canal, 2 adjacent to the

field, and 2 downstream of the athletic field. One core, advanced to refusal, was collected upstream, adjacent, and downstream of the athletic field.

2.4.2 Sediment Sample Collection, Processing and Analytical Program

Schedule

Sampling was performed in accordance with the planned schedule with a few exceptions. Over the course of the summer, sampling was postponed during hazardous weather events, such as thunderstorms or thick fog, but no full days were lost due to the weather.

The R/V *Belle* did not collect samples on 11-12 July 2017 due to mechanical problems, but resumed sampling on 13 July 2017 following repairs. The R/V *Belle* was down on 9 August 2017 due to a rusted bearing in a tension pulley; the R/V *Belle* resumed sampling the next day following repairs. EA had one captain and/or a reduced field crew onsite 23 June 2017, 24 June 2017, 5 July 2017, 4 August 2017, 5 August 2017; only one EA vessel was in operation on these days. The Athena crew was offsite on 21 August 2017 and 22 August 2017; no samples were collected on the R/V *Good Vibrations* during that time. Despite these delays, sediment sampling was completed ahead of schedule.

Sample Collection

Samples were collected using the methodology as planned in the Work Plan (EA 2017a), with the following exceptions. On 17 June 2017, the R/V *Jane B* attempted to collect its first sample using the modified Van Veen sampler and was unable to safely recover the sample due to inadequate winch power. A ponar sampler was used to collect samples on the R/V *Jane B* from 17 June 2017 until 18 June 2017, and a Van Veen from 19 June 2017 through 22 June 2017. The winch on the R/V *Jane B* was replaced with a more powerful model on 23 June 2017. A ponar sampler was also used from 22 August 2017 to 30 August 2017 on the R/V *Shocker*, which was too small to support a modified Van Veen sampler.

The modified Van Veen samplers used on the three sampling vessels used the same design; however, the modified Van Veen sampler utilized on the R/V *Good Vibrations* was slightly smaller (64 square in., 8 in. x 8 in. when in locked open position, 4 in. deep) in scale than those used on the R/V *Jane B* and the R/V *Belle* (162 sq. in., 12 in. x 13.5 in. when in locked open position, 6 in. deep). All three samplers provided the required 0–2 in. surface sediment samples.

In locations too shallow to safely deploy bathymetric sampling equipment, a stainless-steel probe marked every 6 in. was used to measure water depth. A probe was also used to measure water depth when the vessel was positioned over a slope such that the water depth below the bathymetric equipment was significantly different than the water depth at the sample location. The R/V *Shocker* used a sounding disk instead of bathymetric sampling equipment to measure depth at locations with water depths less than 2 ft.

Old Champlain Canal Area Sample Collection

Sample locations were marked out on the banks of the canal using a handheld GPS unit. A small, motorless Jon boat was paddled out from that spot to the approximate center of the canal, and the approximate distance from the marked location was recorded. Once in place, a ponar grab sampler was manually deployed and retrieved from the sampling vessel. A sediment core was collected within a few feet of the grab sample. To collect the core, a 5-ft core tube provided by NYSDEC was manually pushed into the sediment until refusal, was capped, and was then retrieved. Upon retrieval, the second end of the core was capped, and both the grab samples and sediment core were transported to the bank of the canal for processing.

The top 2 in. of sediment was collected from the ponar grab sampler and processed using the methods described in Section 2.2.3. Sampling equipment was decontaminated using the methods described in Section 2.2.3. The depth of sediment collected in the core was measured, recorded, and photographed. Water was drained from the core by drilling a hole through the core tube just above the water-sediment interface. The bottom cap was removed, and all the sediment in the core was deposited into a dedicated aluminum pan. Sediment was thoroughly homogenized and processed using the methods described in Section 2.2.3.

Analytical Program

The analytical program was performed as planned in the Work Plan (EA 2017a), Generic QAPP (EA 2011c), and site-specific QAPP addendum (EA 2017c), with the following exceptions. One cooler holding 20 samples, collected on 29 June 2017, arrived at Pace's Minneapolis laboratory out of temperature. Temperature upon arrival was at 8.5 degrees Celsius (°C), slightly above the quality control limit of $4\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$. The data validator determined that this deviation would not significantly impact data quality; the samples were analyzed per usual. EA directed the lab courier to modify their sample handling procedures to prevent future samples from arriving outside the required temperature range.

Eleven TOC samples, including one field duplicate and two equipment blanks, collected on 26 June 2017 were analyzed outside of the 14-day hold time. Samples arrived at Pace's Minneapolis laboratory on 28 June 2017; however, due to a communication and sample tracking error at Pace's laboratory, the samples remained in a cooler in the Minneapolis laboratory until 31 July 2017. Samples were received in the Green Bay laboratory on 1 August 2017, and analyzed on 2 August 2017.

Several errors were noted in electronic data deliverables (EDDs) submitted by Pace for laboratory samples received through 10 August 2017. Due to the nature of the 1668 PCB congeners analysis, Pace utilized separate LIMS databases for PCB Aroclors and PCB congeners analyses, and generated two separate EDDs to report analytical results. Following discussions with EA, Pace implemented additional QA/QC procedures for future EDD generation, improved internal lines-of-communication, and submitted revised EDDs to EA for submittal to NYSDEC.

Moisture content was analyzed in Pace's Billings laboratory using the U.S. Department of Agriculture (USDA) 26 method rather than the ASTM D2216 method specified in the QAPP addendum (EA 2017c). As a Corrective Action, Pace subcontracted Atlantic Testing Laboratories in Clifton Park, New York to analyze sediment samples collected from 10 August 2017 through the end of the sediment sampling effort for moisture content via ASTM D2216. Pace's Billings laboratory continued to analyze sediment samples for moisture content via USDA 26 in order to establish a comparison dataset to assess data previously analyzed via USDA 26. An analysis of the comparison dataset indicates that moisture content results from both methods are in close agreement; a copy of the comparative analysis is included in Appendix E. EA's field team submitted an additional bag of sample material from every sample location to accommodate this corrective action.

Pace provided details on the TOC, EDD, and moisture content analysis issues, root causes, and corrective actions taken in a Corrective Action Report dated 5 September 2017. The Corrective Action Report is included in Appendix G.

2.4.3 Fish Sampling Locations

Collection of fish from each target sample location was attempted; however, some actual fish collection locations vary slightly from the planned sample locations. When sufficient fish samples could not be obtained at a targeted location, sample locations were broadened, or additional sample locations were added. In accordance with the Work Plan Addendum (EA 2017b), fish samples collected maintained adequate geographic coverage over the pool. Table 2-2 provides actual fish sample locations.

2.4.4 Fish Sample Processing

The number of samples processed and submitted to the laboratory exceeded the number of samples targeted in the Work Plan Addendum (EA 2017b). Four additional forage fish composite samples and 21 additional Pumpkinseed and Redbreast Sunfish samples were collected. Samples were often processed before the entire reach had been sampled. As a result, more samples from the first locations within a pool were processed than were often necessary. Additionally, in Reach 7, Redbreast Sunfish, were submitted as the primary centrarchid species. A minimum of 15 Redbreast Sunfish individuals were required from that reach for age verification and subsequent analysis, surpassing the targeted sample number of 10 Pumpkinseed samples from that reach. At the request of NYSDEC, all processed samples were sent to the analytical laboratory.

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3. RESULTS

This section summarizes the data management, validation, and results of the 2017 surface sediment sampling completed as part of the OM&M field investigation. Data evaluation, trend analysis, and implications are discussed in Sections 4 and 5.

3.1 DATA MANAGEMENT AND VALIDATION

Field collected data, laboratory analytical results, and final validated analytical data were stored in the project-specific EQuIS database stored on EA's Structured Query Language network server. Automated and manual QC checks were conducted to verify that data were accurately recorded and appropriately input into EQuIS.

To assess the quality of analytical data generated as a part of the OM&M investigation, data were validated by an independent data validator, EDS. The Generic QAPP (EA 2011c) addresses implementation of independent validation, in accordance with NYSDEC DER-10. EDS completed a 100% Category A and 20% Category B data validation. EDS prepared data validation reports and updated the EQuIS EDDs with any new or revised results and qualifiers for each sample delivery group. Upon completion of the field investigation, EDS prepared a comprehensive Data Usability Summary Report (Appendix G), inclusive of all sample delivery groups from the investigation, following the guidance provided in Appendix 2B of NYSDEC DER-10. Validation for data usability was accomplished by comparing the contents of the analytical data packages and QA/QC results to the requirements contained in the QAPP, the respective analytical methods, and the laboratory SOPs. The Data Usability Summary Report, with data validation reports and Pace's Corrective Action Report as attachments, is included as Appendix G.

Upon receipt of the updated NYSDEC EQuIS EDDs from the data validator, the data were verified and submitted electronically for upload into the NYSDEC's Environmental Information Management System in January 2018. In addition to the laboratory results tables, supporting tables such as sample location coordinates were completed as part of the EQuIS EDD submission.

Total PCB Aroclor and PCB congener concentrations were calculated by summing the detected concentrations of the individual PCBs and using a value of zero for non-detects (not detected = 0). Field duplicates were excluded from the data evaluation given their potential for introducing statistical bias. EA understands that in future discussions, EPA may recommend a modification to the treatment of non-detects and field duplicates; however, these modifications are not anticipated to have a significant impact on the results of the data evaluation. The data sets used to create maps and data tables, develop the geospatial database, and conduct statistical analysis were queried from the project-specific EQuIS database. The data sets included sample coordinates, reach designations, depths, analytical methods, and validated results.

Upon completion of the field effort, NYSDEC requested that several locations be reclassified into a reach different than the original assignment in order to be consistent in how the sediment samples taken in the canal land cuts are assigned on a reach by reach basis. For example, in the land cut between Lock 6 (at the upper end of Reach 6) and the Thompson Island Dam (at the lower end of

Reach 8), the samples collected in the land cut were designated as part of Reach 7 in the field. Ultimately, the data from these locations should not be assigned to Reach 7, but to Reach 8, as the fish in this land cut cannot get to Reach 7 without going over a dam. The sample names were not changed, but the samples were revised in the database to be assigned to Reach 8. All statistical evaluations and discussion of results reflect the changes in reach assignments. Locations reassigned to a different reach are included in the table below.

Sample	Original Reach	Revised Reach
HR17-OU2-R4-325	Reach 4	Reach 5
HR17-OU2-R4-326	Reach 4	Reach 5
HR17-OU2-R4-327	Reach 4	Reach 5
HR17-OU2-R4-328	Reach 4	Reach 5
HR17-OU2-R4-329	Reach 4	Reach 5
HR17-OU2-R4-330	Reach 4	Reach 5
HR17-OU2-R4-331	Reach 4	Reach 5
HR17-OU2-R4-332	Reach 4	Reach 5
HR17-OU2-R4-333	Reach 4	Reach 5
HR17-OU2-R4-334	Reach 4	Reach 5
HR17-OU2-R4-335	Reach 4	Reach 5
HR17-OU2-R4-336	Reach 4	Reach 5
HR17-OU2-R4-337	Reach 4	Reach 5
HR17-OU2-R4-338	Reach 4	Reach 5
HR17-OU2-R7-007	Reach 7	Reach 8
HR17-OU2-R7-012	Reach 7	Reach 8
HR17-OU2-R7-018	Reach 7	Reach 8
HR17-OU2-R7-025	Reach 7	Reach 8
HR17-OU2-R7-032	Reach 7	Reach 8
HR17-OU2-R7-039	Reach 7	Reach 8
HR17-OU2-R7-052	Reach 7	Reach 8
HR17-OU2-R7-060	Reach 7	Reach 8
HR17-OU2-R7-067	Reach 7	Reach 8
HR17-OU2-R7-073	Reach 7	Reach 8
HR17-OU2-R7-079	Reach 7	Reach 8
HR17-OU2-R7-083	Reach 7	Reach 8
HR17-OU2-R7-085	Reach 7	Reach 8
HR17-OU2-R7-089	Reach 7	Reach 8
HR17-OU2-R7-097	Reach 7	Reach 8
HR17-OU2-R7-105	Reach 7	Reach 8
HR17-OU2-R7-112	Reach 7	Reach 8

3.2 RESULTS FROM SEDIMENT INVESTIGATION

This section summarizes the sediment results of the 2017 sampling effort. Summary statistics by reach are presented in Table 3-1. Summary statistics include counts of normal environmental samples, counts of locations with detected and non-detected concentrations, as well as the minimum, maximum, and average detected concentration. The complete sediment results are detailed Tables 3-2A–H and 3-3A–H. Electronic copies of the laboratory hardcopy data packages for sediment samples analyzed by Pace and applicable subcontractors are included in Appendix E.

3.2.1 Polychlorinated Biphenyls – Aroclors

A total of 1,269 sediment samples (1,153 environmental samples plus 116 duplicate samples) throughout the eight reaches, excluding 9 samples collected in the Old Champlain Canal, were analyzed for PCB Aroclors. The total PCB results ranged from non-detect to 67.1 mg/kg. The averages in the eight reaches ranged from 0.499 mg/kg (Reach 2) to 5.20 mg/kg (Reach 7). The full set of PCB Aroclor data is presented by reach in Tables 3-2A–H and Figures 3-1 through 3-8.

Reach 8

The concentrations of total PCB Aroclors in Reach 8 ranged from 0.0187 to 23.1 mg/kg. Of the Reach 8 sample locations, 39% (82 of 211) had concentrations above 1 mg/kg. Four locations had concentrations above 10 mg/kg; three of these locations (R8-174, R8-182, and R8-191) were spaced out in the northern part of the reach to the west of Rogers Island, and the remaining sample above 10 mg/kg (R8-070) was located mid-reach.

Reach 7

The concentrations of total PCB Aroclors in Reach 7 ranged from 0.0297 to 60.9 mg/kg. Of the Reach 7 sample locations, 77% (69 of 90) had concentrations above 1 mg/kg. Eight locations had concentrations above 10 mg/kg. The locations with total PCB concentrations above 10 mg/kg were grouped together mid-river south of Thompson Island, and consisted of an area of approximately 12 acres.

Reach 6

The concentrations of total PCB Aroclors in Reach 6 ranged from 0.161 to 19.1 mg/kg. Of the Reach 6 sample locations, 72% (57 of 79) had concentrations above 1 mg/kg. Two locations had concentrations above 10 mg/kg; both of which were located toward the southern end of the reach, just north of the Route 4 bridge.

Reach 5

The concentrations of total PCB Aroclors in Reach 5 ranged from 0.0072 to 11.6 mg/kg. Of the Reach 5 sample locations, 34% (91 of 242) had concentrations above 1 mg/kg. Two locations had concentrations above 10 mg/kg; one sample (R5-168) was collected near the cove and the other (R5-137) was collected around the mid-point of the reach.

Reach 4

The concentrations of total PCB Aroclors in Reach 4 ranged from 0.0218 to 67.1 mg/kg. Of the Reach 4 sample locations, 46% (109 of 238) had concentrations above 1 mg/kg. Three locations had concentrations above 10 mg/kg; samples R4-060, R4-050, and R4-026 were all located at the southern end of the reach, adjacent to the western bank of the Hudson River in Mechanicville and consisted of an area of approximately 6 acres.

Reach 3

The concentrations of total PCB Aroclors in Reach 3 ranged from 0.038 to 39.8 mg/kg. Of the Reach 3 sample locations, 49% (53 of 108) had concentrations above 1 mg/kg. Four locations had concentrations above 10 mg/kg; samples R3-014, R3-020, and R3-026 were located at the southern end of the reach, adjacent to the western bank of the Hudson River near Lock 2. These three locations comprised an area of approximately 3 acres. The fourth sample with concentrations above 10 mg/kg was located on the eastern bank of the river, north of Quack Island.

Reach 2

The concentrations of total PCB Aroclors in Reach 2 ranged from 0.0294 to 2.36 mg/kg. Of the Reach 2 sample locations, 14% (10 of 69) had concentrations above 1 mg/kg. There were no locations with a concentration above 10 mg/kg.

Reach 1

The concentrations of total PCB Aroclors in Reach 1 ranged from 0.0218 to 15.4 mg/kg. Of the Reach 1 sample locations, 20% (23 of 116) had concentrations above 1 mg/kg. One location, R1-135, had a concentration above 10 mg/kg.

Old Champlain Canal

The concentrations of total PCB Aroclors in the Old Champlain Canal samples ranged from 0.00874 to 50.1 mg/kg. Of the canal sample locations, 33% (3 of 9) had concentrations above 1 mg/kg. Two locations, R5-OC3 and R5-OC5, had a concentration above 10 mg/kg.

3.2.2 Polychlorinated Biphenyls – Congeners

A total of 129 sediment samples (115 environmental samples plus 14 duplicate samples) were analyzed for PCB Congeners. The total PCB congener results ranged from 0.016 to 42.5 mg/kg. The averages in the eight reaches ranged from 0.356 to 8.08 mg/kg. The full set of PCB congener data is presented by reach in Tables 3-3A–H.

3.2.3 Total Organic Carbon

A total of 1,269 sediment samples (1,153 environmental samples plus 116 duplicate samples) were analyzed for TOC. Sediment in the Upper Hudson River contained organic matter, with TOC

ranging from 496 to 90,500 mg/kg. The averages in the eight reaches ranged from 8,310 to 19,300 mg/kg. The full set of TOC data is presented by reach in Tables 3-2A–H.

3.2.4 Grain Size

The sediment type for each sample was visually described in the field based on general soil characteristics including an estimate of the amount of fine sand, medium sand, coarse sand, gravel, silt, clay, and organic/other matter such as wood chips and presence of observable biota. The sediment descriptions are also included in the field database provided in Appendix B.

Grain size analysis was conducted to further confirm the sediment type noted in the field. A total of 1,275 sediment samples (1,159 environmental samples plus 116 duplicate samples) were analyzed for grain size. This includes the 6 surface samples collected in the Old Champlain Canal. Of the 1,159 environmental surface sediment samples submitted, 74 (6%) were primarily comprised (greater than 50%) of gravel, 781 were primarily sand (67%), 243 were primarily fines (21%), and the remaining 61 samples (5%) were a mixed assemblage of sediments. Particle size graphs are provided in Appendix H and the full set of grain size data is presented by reach in Tables 3-2A–H.

Using the USCS classifications as determined by the laboratory, samples were classified by their dominant grain size category (50% or greater) into the type categories listed below. Samples that did not have a 50% dominant grain size category and exhibited a mix of fine sand to gravel were identified as Type IV (transitional), in accordance with the GE/EPA procedure.

- **Type I (clay, silt, fine sands):** Smooth, generally featureless bottom; principally composed of soft aqueous silty sediments. Consists of samples with 50% or more sediments smaller than Sieve No. 200. Polygon Layer: Silt.
- **Type II (sands):** Smooth to mottled bottom; principally composed of semi-compact to compact sand deposits. Consists of samples with 50% or more sediments smaller than Sieve No. 4. Polygon Layer: Sand.
- **Type III (coarse gravel and sand mixtures):** Irregular bottom; principally composed of compact gravel and cobble deposits intermixed with sand. Consists of samples with sediments more than 50% larger than Sieve No. 4. Polygon Layer: Gravel.
- **Type IV (mixed sediments):** Smooth and irregular bottom; a varying assemblage of sediments typically associated with Types I, II, and III. Polygon Layer: Transitional.
- **Type V (rocky):** Extremely irregular bottom; principally composed of bedrock, cobbles, and/or boulders that are often overlain by a variable thickness of unconsolidated sediments.
- **Bedrock.** Polygon Layer: Bedrock.

Once each sample was appropriately categorized as silt, sand, gravel, transitional, or bedrock, a GIS map layer was created to depict river bottom substrate using a combination of existing substrate maps, EA's field observations, and the 2017 laboratory data. Laboratory data were verified against the lithology descriptions in field logs and sample photographs prior to updating the maps to ensure that each location was assigned the most appropriate grain size. Locations that were abandoned in the field were examined on a case-by-case basis using field logs, photographs, and probing observations to determine the appropriate grain-size assignment. Grain size (sediment type) polygons are shown on Figures 3-1 through 3-8.

3.3 RESULTS FROM FISH SAMPLING

A total of 89 composite forage fish samples and 143 centrarchid samples were collected and processed in the September 2017 field effort. Five different species were used for the forage fish samples, and two species were used for the centrarchids. Sample quantity goals for each reach were achieved for both forage fish and centrarchid numbers (Table 3-4). As discussed in Section 2.3, frozen samples were sent to Pace and analyzed for PCBs as congeners, percent lipids, and percent moisture. Analytical reports were sent directly to NYSDEC and are not available at the time of this report.

Scale samples from Pumpkinseeds and Redbreast Sunfish were sent to EA's Deerfield, Illinois office for age determination. Scales from 120 Pumpkinseeds with total lengths ranging from 81 to 121 millimeters were submitted for aging. Of those samples, 5 fish were determined to be two years old while the remainder were one year old. Scales from 23 Redbreast Sunfish ranging from 80 to 110 millimeters were also submitted for aging, with one specimen being 2-years old and the remainder being 1-year old. Age determinations were added to the NYSDEC fish collection database for the Fall 2017 effort.

3.4 RESULTS FROM GENERAL ELECTRIC/UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 2016/2017 HUDSON RIVER PCB SEDIMENTS INVESTIGATION

Results from the EPA/GE 2016 sampling event are summarized in the 2016 Surface Sediment Sampling Data Summary Report (Anchor 2017). As discussed in Section 2.2.1, the sample data collected from 215 locations in the non-dredged areas from the 2016 investigation were used in sample program design and in the data evaluation presented in Section 4. The EPA/GE data used in EA's evaluations are summarized in Table 3-5 and PCB concentrations are presented in Figures 3-1 through 3-8.

The second part of EPA/GE's investigation included sampling of the dredged areas in the Upper Hudson River. This study was completed in the Fall of 2017, after the NYSDEC OM&M field effort. Data from all EPA/GE events will ultimately be used in conjunction with data collected as part of the NYSDEC's effort to establish the baseline conditions following the remedial action in OU-2.

4. DATA EVALUATION

As described in Section 1 of this Data Summary Report, the objectives of the OM&M sampling and evaluation activities were to monitor and evaluate the performance of the EPA-lead Hudson River PCB Sediments Site dredging and monitored natural recovery remedy through the collection of a sufficient number of samples to conduct a statistical analysis and to establish baseline post-dredging concentrations of PCBs in the Upper Hudson River. Specifically, the data quality objectives related to the application of the data were as follows:

- Conduct statistical analysis to characterize results, explore relationships, and establish a baseline for future studies including calculation of simple average PCB concentrations for each reach.
- Collect and analyze samples to detect an 8% annual change in total PCBs in surface sediment in non-dredged areas over a 5-year timeframe with statistical power of 80% for each of 8 river reaches.
- Provide a basis of comparison for other post-remedy efforts with different study designs to determine whether such designs are adequate.

Following sample collection, analysis and reporting described in the previous sections of this report, EA developed a geospatial database and conducted statistical analyses to characterize chemical analytical results, explore relationships between samples and sampled areas, and establish a baseline for future remedy performance monitoring. The final 2017 validated analytical laboratory data and EPA/GE 2016 sample data (Anchor 2017) were used to calculate the simple average for Total Aroclors by reach and evaluate general trends and statistics to evaluate the performance of the EPA-lead Hudson River PCB Sediments Site dredging and monitored natural recovery remedy.

4.1 POLYCHLORINATED BIPHENYL SURFACE SEDIMENT AVERAGE CONCENTRATION CALCULATION

The sample collection effort described in Section 2.0 involved the collection of surface sediment samples in both non-dredged and dredged areas in the Upper Hudson River for laboratory analysis. The OM&M design/sampling size targeted for each reach was established based on a statistical evaluation of previously collected data as described in the Work Plan (EA 2017a). Sample locations were selected using a triangular systematic sample grid with a randomly selected starting point. The samples collected using this gridded approach were used as the basis for calculating simple averages.

Simple average concentrations were calculated independently by river reach using a stratified sampling design as described in GE's Surface Sediment Sampling Work Plan for 2016 Hudson River PCBs Superfund Site (Anchor 2016) with the strata consisting of dredged versus non-dredged areas. Details of the simple average computation methodology are discussed in Section 4.1.1.

4.1.1 Method for Computing Average Recoverable Sediment Concentrations

The average concentrations of total Aroclors in recoverable sediment was computed for each of the eight river reaches. For a given reach, the simple average was computed as the simple arithmetic mean of the dredged and non-dredged total Aroclor concentrations.

$$\text{Reach Mean} = \frac{1}{\sum N_i} \sum_{i=1} (N_i \times \bar{x}_i)$$

where:

i = index for dredged vs. non-dredged strata,

N_i = number of recoverable sediment samples within strata i , and

\bar{x}_i = arithmetic mean total Aroclor concentration of recoverable sediment within strata i .

The variance of the reach mean was similarly computed as the sample-weighted average of the dredged and non-dredged variances in total Aroclor concentrations.

$$\text{Reach Variance} = \frac{1}{\sum N_i} \sum_{i=1} (N_i \times s_i^2)$$

where:

s_i^2 = sample variance of total Aroclor concentrations in the recoverable sediment region within strata i .

Additional summary statistics (e.g., skewness and standard error of the mean) were also computed for each reach strata, and Q-Q plots developed in order to aid in characterizing the distribution of total Aroclor concentrations. Statistical intervals for both the strata means and the reach means were computed using the following two methods:

1. ± 2 * standard error of the mean (SEM), and
2. The two-sided 95% confidence limits using the Cantelli's generalization of the Chebyshev inequality for univariate sample data.

As described in EPA's ProUCL Version 5.1.002 Technical Guide, the two-sided Chebyshev inequality confidence interval was computed as

$$95\% CI = \bar{x} \pm \sqrt{\left(\frac{1}{0.025} - 1\right)} \times \frac{s_x}{\sqrt{n}}$$

where:

n = the number of samples used to compute the sample variance.

As described in the ProUCL technical guide, confidence intervals computed from the Chebyshev inequality requires no distribution assumption, but provides conservative estimates of the confidence limits.

Following recommendations in the GE Work Plan (Anchor 2016), the relative errors were computed for each river reach as

$$Relative\ Error = \frac{(95\% Upper\ Confidence\ Limit - Mean)}{Mean}$$

Non-detect results were treated as zero for purposes of simple average calculations (Section 3.1). Field duplicate samples were excluded from the analysis (Section 3.1).

4.1.2 Average Concentration Results

Q-Q plots for total Aroclor concentrations in the dredged and non-dredged areas of each reach are presented in Appendix I. The Q-Q plots show that the sample concentrations tend to be highly positively skewed, meaning that there is a low frequency of high total Aroclor concentrations in most of the reaches sampled. Trend analysis and computing reasonable confidence intervals for means of highly skewed data sets is challenging, and it is recommended that further analysis be conducted to determine alternative data analysis approaches that may be able to better control variability, such as data transformations, identification of covariates, alternative stratification approaches, etc.

Computed arithmetic averages are presented in Table 4-1 and Figure 4-1; averages are presented for each reach using the combined 2017 data set and 2016 EPA/GE data. Averages were calculated on a total reach basis as well as for the dredged and non-dredged areas within each of those reaches. For each scenario, 95% confidence limits (CLs) and relative error (RE) are provided.

On a reach-wide basis, the highest average value was measured in Reach 7 with a value of 4.83 mg/kg. The lowest average values were measured in Reach 2 (0.44 mg/kg), followed by Reach 1 (0.68 mg/kg), Reach 5 (1.44 mg/kg), Reach 4 (1.41 mg/kg), Reach 8 (1.85 mg/kg), Reach 3 (2.10 mg/kg) and Reach 6 (2.40 mg/kg). The upper 95% confidence limit was above

1 mg/kg in all reaches, with the exception of Reach 2 (0.77 mg/kg). Detailed results by reach are described below.

Reach 8

Reach 8, the northernmost reach from Thompson Island Dam to the Former Fort Edward Dam/Rodgers Island included a total of 529.8 acres (304 acres dredged/225.8 acres non-dredged). The Reach 8 data set included 244 (138 dredged/106 non-dredged) sample results and 219 (118 dredged/101 non-dredged) detected values. Results ranged from 0.0187 to 9.936 mg/kg in the dredged areas and 0.04 to 30.6 mg/kg in the non-dredged areas. The overall reach simple average value was 1.85 mg/kg with 95% CLs (0.55, 3.14) and a relative error of 70%. The dredged area simple average value was 0.93 (0.12, 1.73) mg/kg. The non-dredged area simple average value was 3.04 (0.25, 5.83) mg/kg.

Reach 7

Reach 7, Lock 6 to the Thompson Island Dam, included a total of 137.1 acres (28.8 acres dredged/108.3 acres non-dredged). The Reach 7 data set included 117 (28 dredged/89 non-dredged) sample results and 114 (25 dredged/89 non-dredged) detected values. Results ranged from 0.0297 to 9.723 mg/kg in the dredged areas and 0.1337 to 60.9 mg/kg in the non-dredged areas. The overall reach simple average value was 4.83 mg/kg, with 95% CLs (0.31, 9.36), with a relative error of 94%. The dredged area simple average value was 1.10 (0.00, 3.45) mg/kg. The non-dredged area simple average value was 6.01 (0.10, 11.92) mg/kg.

Reach 6

Reach 6, Lock 5 to Lock 6 in Fort Miller, included a total of 251.1 acres (58.3 acres dredged/192.8 acres non-dredged). The Reach 6 data set included 122 (30 dredged/92 non-dredged) sample results and 121 (29 dredged/92 non-dredged) detected values. Results ranged from 0.2728 to 3.688 mg/kg in the dredged areas and 0.1605 to 19.09 mg/kg in the non-dredged areas. The overall reach simple average value was 2.40 mg/kg, with 95% CLs (0.83, 3.98), with a relative error of 66%. The dredged area simple average value was 1.35 (0.22, 2.48) mg/kg. The non-dredged area simple average value was 2.75 (0.69, 4.81) mg/kg.

Reach 5

Reach 5, Lock 4 to Lock 5 in Schuylerville/Northumberland, included a total of 1,182 acres (57.6 acres dredged/1,124.4 acres non-dredged). The Reach 5 data set included 305 (20 dredged/285 non-dredged) sample results and 295 (20 dredged/275 non-dredged) detected values. Results ranged from 0.0072 to 2.48 mg/kg in the dredged areas and 0.03 to 57 mg/kg in the non-dredged areas. The overall Reach simple average value was 1.44 mg/kg, with 95% CLs (0.18, 2.70), with a relative error of 87%. The dredged area simple average value was 0.75 (0.00, 1.72) mg/kg. The non-dredged area simple average value was 1.49 (0.15, 2.84) mg/kg.

Reach 4

Reach 4, Lock 3 to Lock 4 in Stillwater, included a total of 188.6 acres (13.1 acres dredged/175.5 acres non-dredged). The Reach 4 data set included 244 (11 dredged/233 non-dredged) sample results and 205 (11 dredged/194 non-dredged) detected values. Results ranged from 0.4556 to 67.12 mg/kg in the dredged areas and 0.0218 to 15.638 mg/kg in the non-dredged areas. The overall reach simple average value was 1.41 mg/kg, with 95% CLs (0.00, 3.21), with a relative error of 127%. The dredged area simple average value was 8.01 (0.00, 45.81) mg/kg. The non-dredged area simple average value was 1.10 (0.50, 1.70) mg/kg.

Reach 3

Reach 3, Lock 2 to Lock 3 in Mechanicville, included a total of 196.3 acres (15.5 acres dredged/180.9 acres non-dredged). The Reach 3 data set included 115 (12 dredged/103 non-dredged) sample results and 110 (8 dredged/102 non-dredged) detected values. Results ranged from 0.1131 to 14.113 mg/kg in the dredged areas and 0.038 to 39.798 mg/kg in the non-dredged areas. The overall reach simple average value was 2.10 mg/kg, with 95% CLs (0.00, 5.27), with a relative error of 151%. The dredged area simple average value was 1.41 (0.00, 8.65) mg/kg. The non-dredged area simple average value was 2.19 (0.00, 5.62) mg/kg.

Reach 2

Reach 2, Lock 1 to Lock 2 in Mechanicville, included a total of 261.4 acres (4 acres dredged/257.4 acres non-dredged). The Reach 2 data set included 80 (3 dredged/77 non-dredged) sample results and 73 (2 dredged/71 non-dredged) detected values. Results ranged from 0.1758 to 0.4335 mg/kg in the dredged areas and 0.0294 to 2.361 mg/kg in the non-dredged areas. The overall reach simple average value was 0.44 mg/kg, with 95% CLs (0.11, 0.77), with a relative error of 75%. The dredged area simple average value was 0.2 (0.00, 0.99) mg/kg. The non-dredged area simple average value was 0.45 (0.11, 0.79) mg/kg.

Reach 1

Reach 1, Federal Dam at Troy to Lock 1 in Mechanicville, included a total of 458 acres (5.2 acres dredged/452.8 acres non-dredged). The Reach 1 data set included 141 (3 dredged/138 non-dredged) sample results and 131 (3 dredged/128 non-dredged) detected values. Results ranged from 0.0548 to 0.5162 mg/kg in the dredged areas and 0.0218 to 15.36 mg/kg in the non-dredged areas. The overall reach simple average value was 0.68 mg/kg, with 95% CLs (0.00, 1.38), with a relative error of 104%. The dredged area simple average value was 0.31 (0.00, 1.16) mg/kg. The non-dredged area simple average value was 0.68 (0.00, 1.40) mg/kg.

4.2 POWER ANALYSIS

The initial goal set for the sampling program was to collect a sufficient number of samples within each reach to evaluate an 8% annual decline in mean sediment PCB concentrations within a given reach between two consecutive 5-year monitoring periods with a statistical power of 80% at the

95 percent confidence level. To meet this goal, two sets of analysis were performed. First, a statistical analysis was performed on past sampling data, both the SSAP historical data (2003–2005), and the recent EPA/GE (2016) data from the non-dredged areas were considered. The SSAP historical data resulted in a more conservative number of samples and was ultimately used as a basis for the power analysis, provided in Appendix C of the Work Plan (EA 2017a). The statistical analysis was used to establish the target sample number for data collection in 2017 (EA 2017a); this resulted in the data collection efforts and results presented in Section 2.0 and 3.0 of this report. Second, a power analysis was performed on the newly collected 2017 data to test the power of the study design and set a basis for future comparisons.

Appendix C of the OM&M Letter Work Plan (EA 2017a) describes the method used to satisfy the statistical design objectives using power analysis. As described in Appendix C, the power analysis required specification of the standardized difference between the two means (d) corresponding to an 8% annual decline over 5 years:

$$d = \frac{\mu_0[(1-0.08)^5-1]}{\sigma} \quad (1)$$

where:

μ_0 = mean sediment PCB concentration in baseline year
 σ = standard deviation of PCB concentrations.

As described below, d was estimated using an analysis of both the SSAP historical data, and the recent EPA/GE 2016 sample data in the non-dredged areas. A power analysis was conducted independently for each river reach.

A total sample number of 1,673 was selected for the baseline sediment monitoring event to provide a representative baseline data set to support future analysis as discussed in Section 2.2.1. An actual number of 1,153 samples were collected during the baseline sediment monitoring event. Section 2.4.1 and Appendix B discusses the deviations from the proposed sample number.

The power achieved from the combined 2017 and 2016 EPA/GE data, using the parameters described above, is provided in Table 4-2. The power for most of the reaches is well below 80%. The result is not surprising considering the highly skewed datasets that confound the statistical power to detect modest changes over time. The simple averages calculated using the 2017 and 2016 EPA/GE data are significantly less than predicted using historical data, but the variances are about the same. Thus, the power to detect a decrease in the mean concentration is significantly less than what had been estimated from the SSAP data.

While the power is less than anticipated, the 2017 data in combination with the 2016 EPA/GE data provides the most representative data set available for baseline analysis. The baseline dataset should be used to adapt the sampling strategy for the monitoring program to increase statistical power. As described in Section 5, this may include using the spatial patterns in the baseline data to better inform the post-remedy conceptual site model and future monitoring.

4.3 ADDITIONAL TREND ANALYSIS AND EVALUATION

PCB data were further evaluated to identify any evidence of trends relating concentrations to TOC or grain size and to evaluate relationships between Aroclor concentrations and Tri+PCB congeners. These analyses are presented in the section below.

4.3.1 Evaluation of GE's Tri+PCB Regression Equation

EA performed an assessment of the regression relationship historically considered during data evaluation efforts on the Hudson River whereby total PCB concentrations are evaluated in terms of Tri+PCB or the sum of PCB Congeners with three or more chlorine atoms. The results of this evaluation (provided in additional detail in Appendix J) suggested for the purposes of long-term monitoring and trend analysis NYSDEC should consider conducting future statistical evaluations using total Aroclor data. If it becomes necessary to estimate Tri+PCB, then it is recommended that an alternative model be developed.

4.3.2 Correlation Analysis between Polychlorinated Biphenyls and Sediment Characteristics

To examine the baseline dataset for associations between PCBs, grain size and TOC, Pearson correlation coefficients and associated probability values were calculated relating individual PCBs, percentage of fines, percentage of sand, and percentage TOC. These values are presented in Table 4-3. Aroclor 1221 and Aroclor 1254 did not exhibit significant correlations with grain size. Aroclor 1242 exhibited a very weak ($|r| < 0.1$), but statistically significant ($p < 0.05$) correlation with grain size. Aroclors were significantly correlated with TOC ($p < 0.05$); however, the correlations were weak ($r < 0.3$). Tri+ PCBs were not significantly correlated with TOC or grain size (Table 4-3).

The weak correlations found between PCBs and both grain size and TOC, suggest future trend analysis may not benefit appreciably by incorporating grain size or TOC as ancillary factors. However, this analysis is specific to the baseline data set. Future sampling efforts and results could be used to further examine these associations.

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5. IMPLICATIONS FOR USE OF DATA AS BASELINE FOR FUTURE COMPARISONS

The baseline data set, composed of data from both 2016 and 2017 sampling efforts, was evaluated to characterize PCB concentrations and variability; produce simple averages by river reaches; evaluate the relative error as an indicator of power; and evaluate additional trends. Each of these factors affect the way data may be used for comparisons between monitoring events, and bear implications for future monitoring efforts.

5.1 POLYCHLORINATED BIPHENYL CONCENTRATIONS AND SPATIAL VARIABILITY

Section 3.0 presents the range of PCB concentrations detected in each reach. Total PCB Aroclor concentrations span a broad range, from non-detect to over 60 mg/kg. Some reaches demonstrate greater ranges and variability than others. Review of PCB distribution shows that the some elevated detects are located in dredged areas, while others are located in non-dredged areas. Highest detections (i.e., over 10 mg/kg) tend to be found at individual locations or in small clusters of samples; the area represented by these samples varies by reach, but is sometimes as small as 1 to 2 acres. Detections between 1 mg/kg to 10 mg/kg tend to occupy broader areas, with clusters of 5 to 10 samples in some reaches. In many reaches, there are some large areas with concentrations less than 1 mg/kg.

These patterns, coupled with high variability evidenced by the upper and lower prediction limits associated with the simple averages (Table 4-1), indicate that future sampling efforts should account for reach-specific variability in study design and should consider whether non-systematic sampling might not capture the full range of variability at the Site. Future data sets should be reviewed for spatial patterns. These findings also indicate that reaches should not be grouped into river segments without close consideration of intra-reach variability, as this may combine populations with inconsistent variances. The influence of higher concentration areas also indicates that use of different measures of central tendency should be approached with caution as it may exclude the influence of these areas.

5.2 SIMPLE AVERAGE OF RECOVERABLE SEDIMENT BY REACH

Simple average calculations identify that two river reaches (Reaches 1 and 2) have simple averages < 1 mg/kg (Reach 1 and 2), three river reaches (Reaches 8, 5, and 4) have simple averages > 1 mg/kg and < 2 mg/kg total PCB Aroclors, two (Reaches 6 and 3) have simple averages > 2 mg/kg and < 4 mg/kg, and one reach (Reach 7) has a simple average > 4 mg/kg. The difference in simple average between reaches, especially between non-contiguous reaches, and the fact that reaches represent a relevant exposure grouping for fish, indicates that reaches should continue to be evaluated separately for long-term sediment monitoring efforts.

5.3 POWER ANALYSIS AND RELATIVE ERROR

Analysis of the baseline data set identified relative errors by reach that exceed those calculated based on previously available data. This is because the baseline data set demonstrated greater variability overall and for many individual reaches than that demonstrated by the SSAP data set alone. To satisfy the specific statistical design objectives specified by the NYSDEC:

1. The ability to detect an 8% annual decline in mean sediment PCB concentrations within a given reach between two consecutive 5-year monitoring periods with a statistical power of 80% at the 95% confidence level.
2. For any given monitoring year, the number of samples collected should be sufficient to determine the arithmetic mean PCB concentration for each reach with a relative error no greater than 20 percent. The relative error is defined in GE's *Surface Sediment Sampling Work Plan for 2016 Hudson River PCBs Superfund Site* (Anchor 2016) as the difference between the 95% upper confidence limit and the sample the mean divided by the mean:

$$\text{Relative Error} \equiv \frac{95\% \text{ upper confidence interval} - \text{mean}}{\text{mean}}$$

The following actions/evaluations are recommended for consideration:

1. Evaluate spatial distribution and fate and transport to develop an updated post-remedy conceptual site model, and use this information to direct sampling/monitoring to areas of higher variability.
2. Substitute the arithmetic mean for a more robust statistic such as the median, with separate concurrent evaluation of the importance of areas of higher concentrations.
3. Include in the evaluation the dredged area data from the second component of the first year of the EPA-lead OM&M sediment sampling program, (126 locations anticipated) when available. The addition of these data may improve the power of the analysis; however, it could also channel means and variances.
4. Collect more samples to increase statistical power. The practicality of this recommendation would need to be considered within the limitations of the physical conditions and logistical constraints of the river system.

5.4 ANALYSIS OF ADDITIONAL TRENDS

The relationship between total PCB Aroclors, grain size, TOC, and Tri+ PCB congeners was evaluated to determine whether these factors may influence concentration distributions. Analyses to test for correlations between PCBs and TOC on both an overall and reach-specific basis identified several significant but weak correlations between TOC and specific PCBs. Significant correlations between PCBs and grain size were not identified.

Analysis of trends relating total PCBs, individual Aroclors, and Tri+ PCBs indicate a high level of correlation. There is a high degree of multicollinearity between Aroclors; therefore, the use of regressions that consider each Aroclor separately are not advised unless Aroclor covariance is measured and used to modify the equation on a dataset-specific basis. Total PCB concentrations are considered a more direct indicator of Tri+ PCB concentrations.

5.5 SUMMARY

The 2017 baseline sampling program found higher variability than expected. High concentrations of total PCB Aroclors observed within the data sets positively skewed the distribution of results, resulting in higher sample means and variances. Future monitoring and data interpretation should consider the influence of distinct areas with higher concentrations, which could be an important contributor to fish exposures. Given inter-reach variability, data evaluation indicates that comparison with future data sets should be performed on a reach-by-reach basis. Total PCB Aroclors are considered a better metric for tracking PCB concentrations over time than Tri+PCB concentrations estimated from Aroclor-Tri+PCB regression equations that add additional and unnecessary uncertainty.

Due to the observed distribution of total PCB Aroclors characterized by a small number of sample results with large concentrations, it is unlikely that a modest decline in PCB concentrations can be identified with a lower number of samples. Future sampling should consider the highly skewed nature of total PCB Aroclor concentrations. Populations with skewed distributions require additional sampling effort beyond that required to characterize populations that are normally distributed. In addition, future data interpretation and statistical analysis should account for the positively skewed data distributions considering the use of a robust measure of central tendency, and characterizing the influence of the upper end of the concentration distribution on fish exposure.

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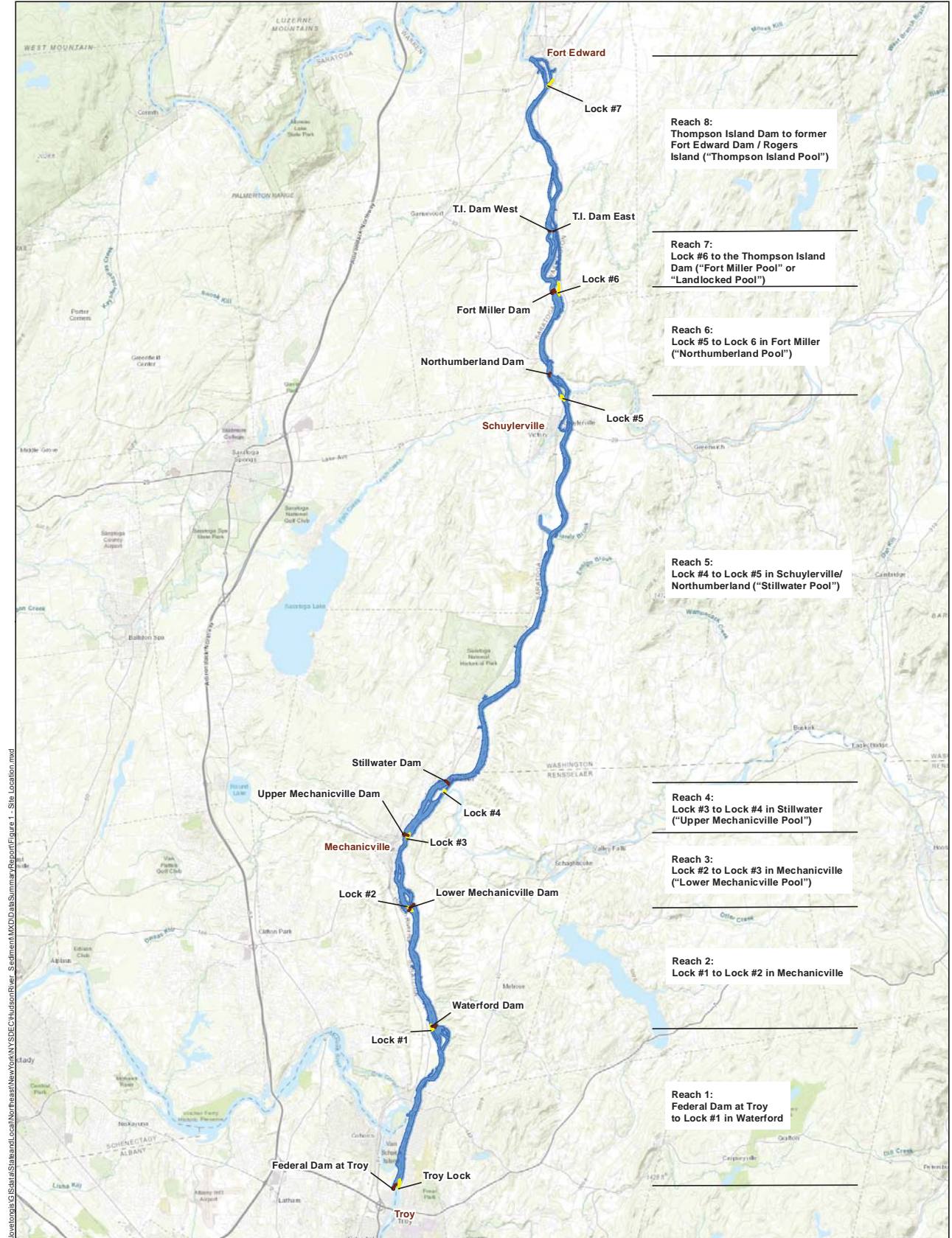
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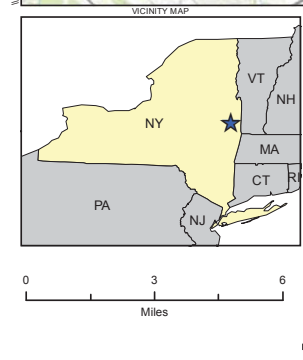
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Figures

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\novotons\GIS\State\State\Local\NorthEast\NewYork\NY\SDPC\HudsonRiver_Sediment\MXD\DateSummary\Report\Figure 1 - Site Location.mxd

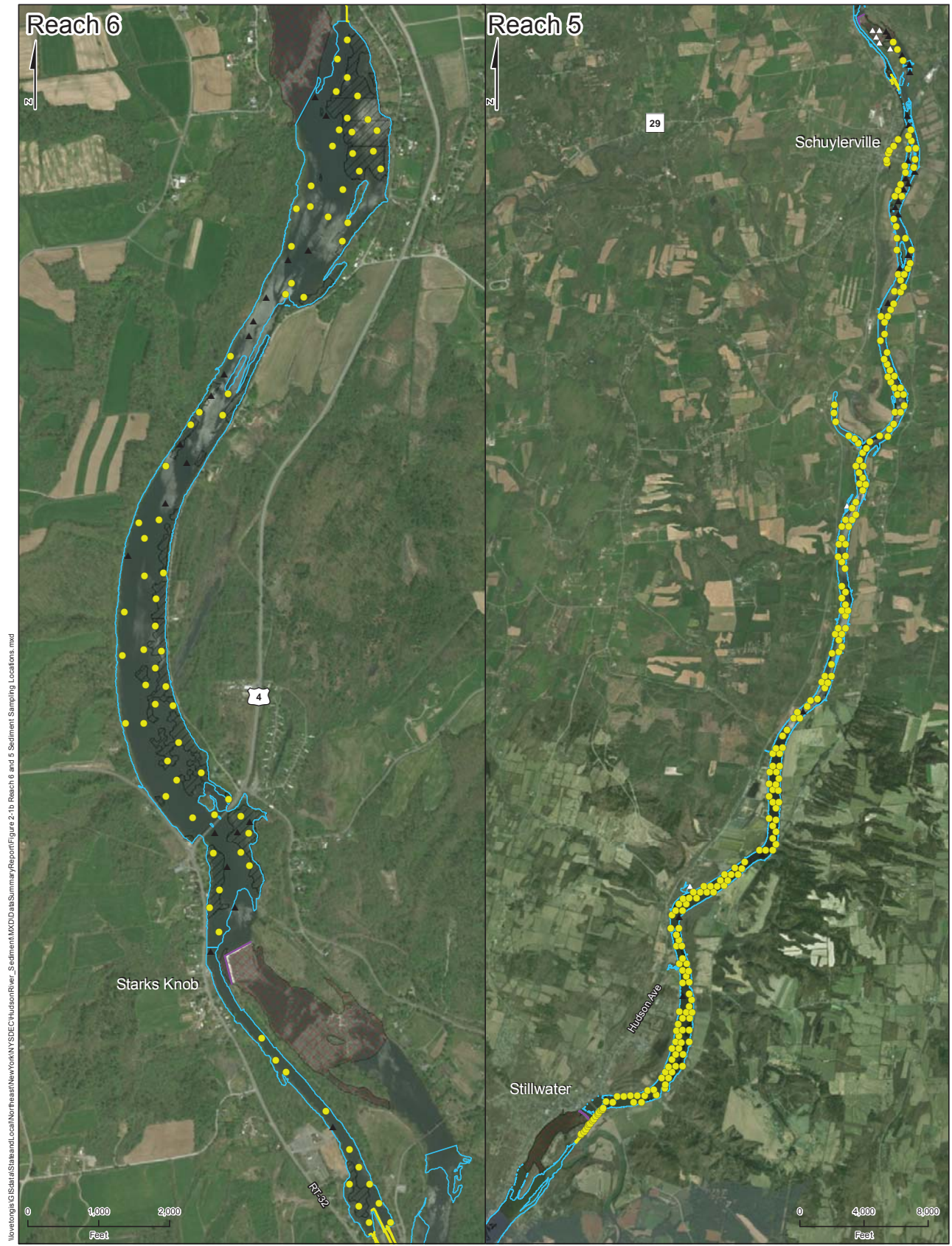


Legend

- Hudson River OU-2 Project Site
- Dam
- Lock

Figure 1-1
General Site Location
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York





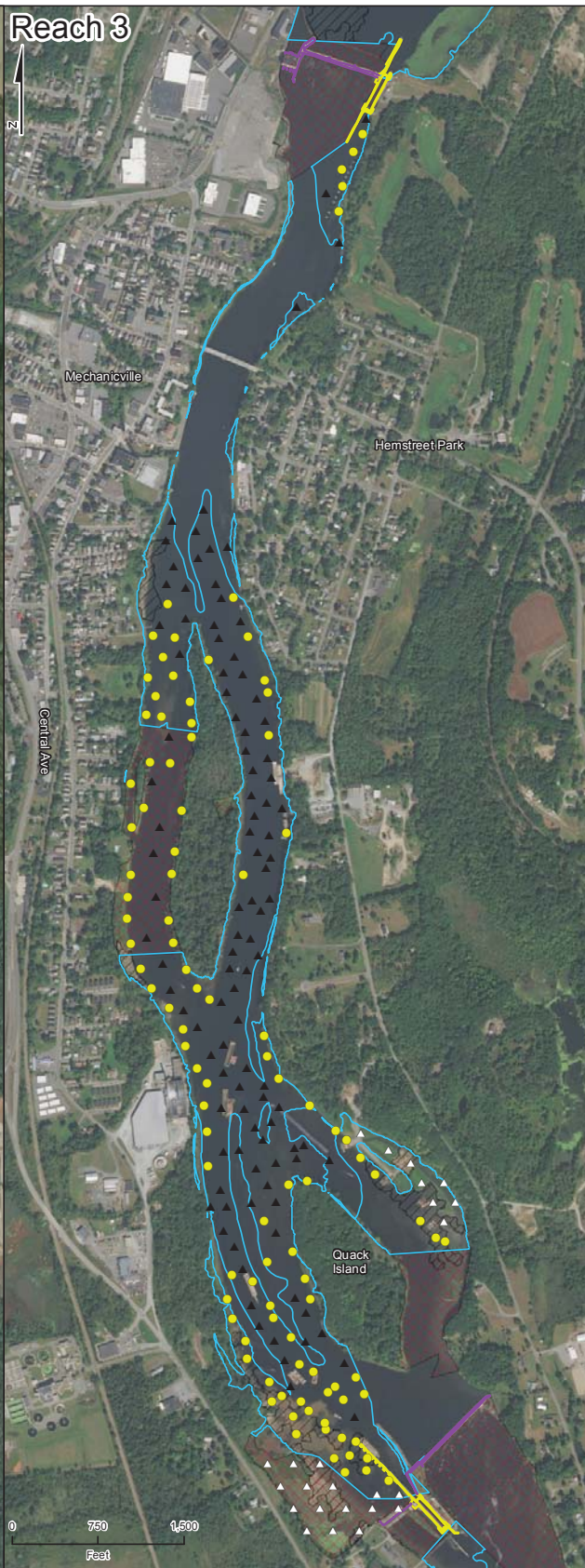
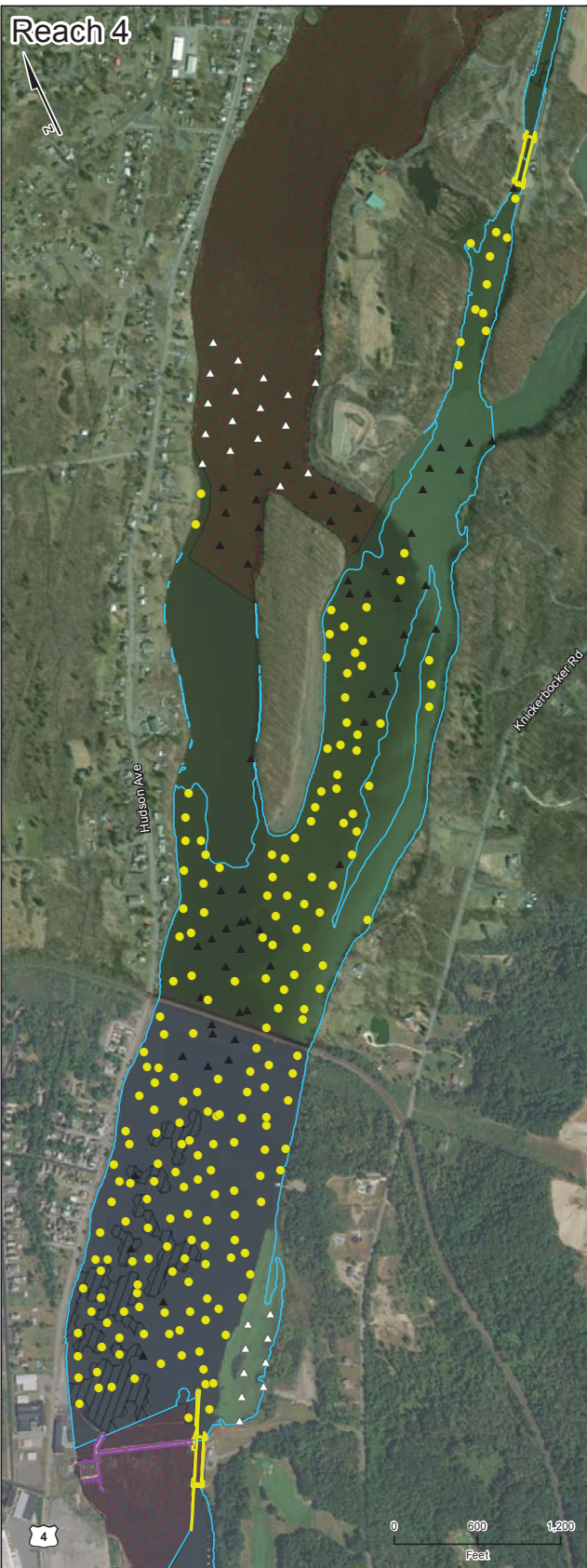
I:\env\gis\State\Local\New\NewYork\NYSD\PCB\HudsonRiver_Sediment\MXD\Data\Sediment\Report\Figure 2-1b Reach 6 and 5 Sediment Sampling Locations.mxd



- Legend**
- Sediment Sample Location
 - ▲ Abandoned Location
 - △ Removed Location
 - Dam
 - Lock
 - Reach
 - ▨ Dredged Area
 - ▩ Inaccessible Area

Figure 2-1b
Reach 6 and 5 Sediment Sampling Locations
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas
 where there is no access or bedrock.
 Map Date: 2/23/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York
 East FIPS 3101 Feet



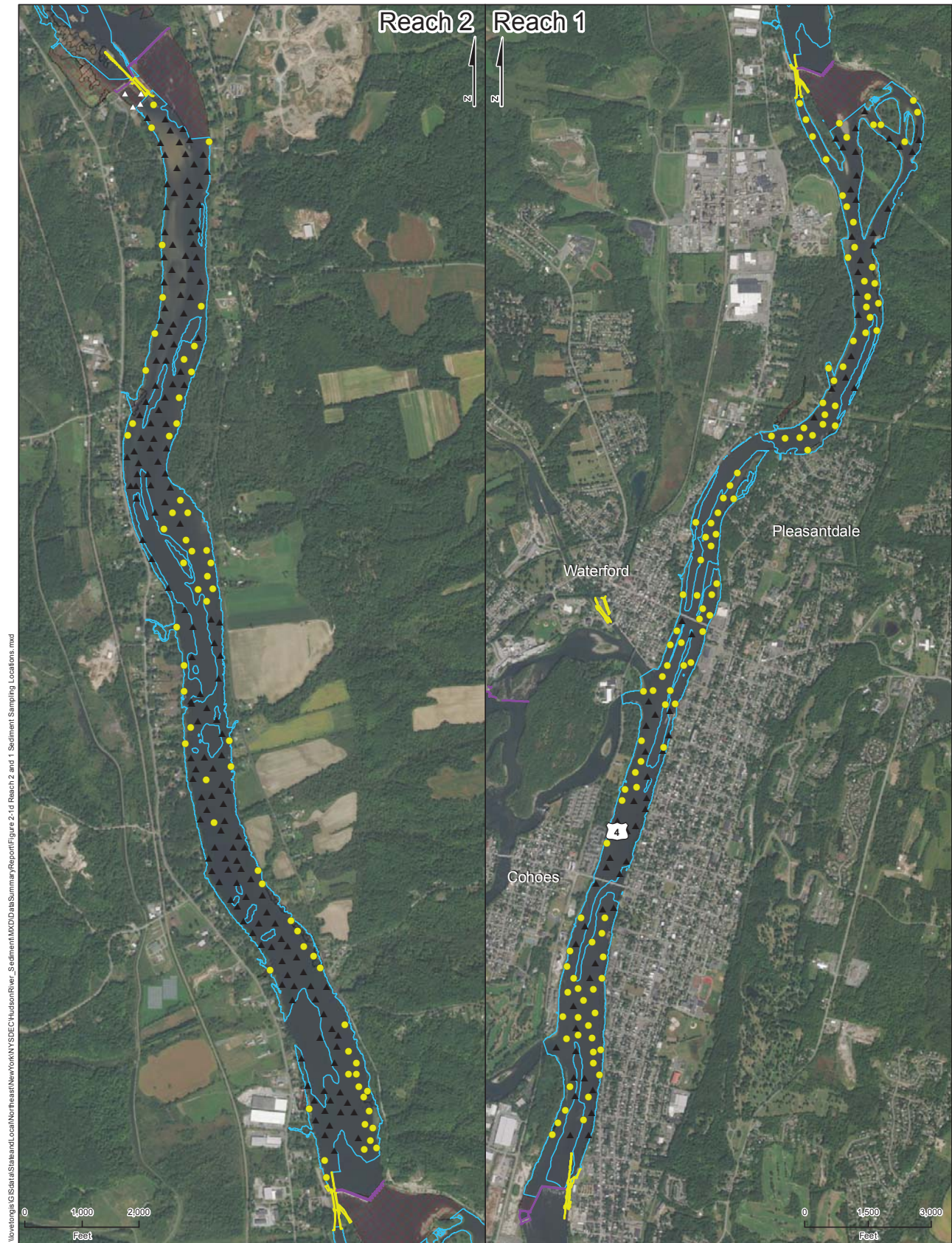
I:\env\gis\GISData\State\Local\Northeast\NewYork\NYSD\PCB\HudsonRiver_Sediment\MXD\DateSummaryReport\Figure 2-1c Reach 4 and 3 Sediment Sampling Locations.mxd



- Legend**
- Sediment Sample Location
 - ▲ Abandoned Location
 - △ Removed Location
 - Dam
 - Lock
 - Reach
 - ▨ Dredged Area
 - ▩ Inaccessible Area

Figure 2-1c
Reach 4 and 3 Sediment Sampling Locations
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas
 where there is no access or bedrock.
 Map Date: 2/23/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York
 East FIPS 3101 Feet



I:\env\gis\State\Local\NorthEast\NewYork\NYSD\PCB\HudsonRiver_Sediment\MXD\DateSummary\Report\Figure 2-1d Reach 2 and 1 Sediment Sampling Locations.mxd



- Legend**
- Sediment Sample Location
 - ▲ Abandoned Location
 - △ Removed Location
 - Dam
 - Lock
 - Reach
 - ▨ Dredged Area
 - ▩ Inaccessible Area

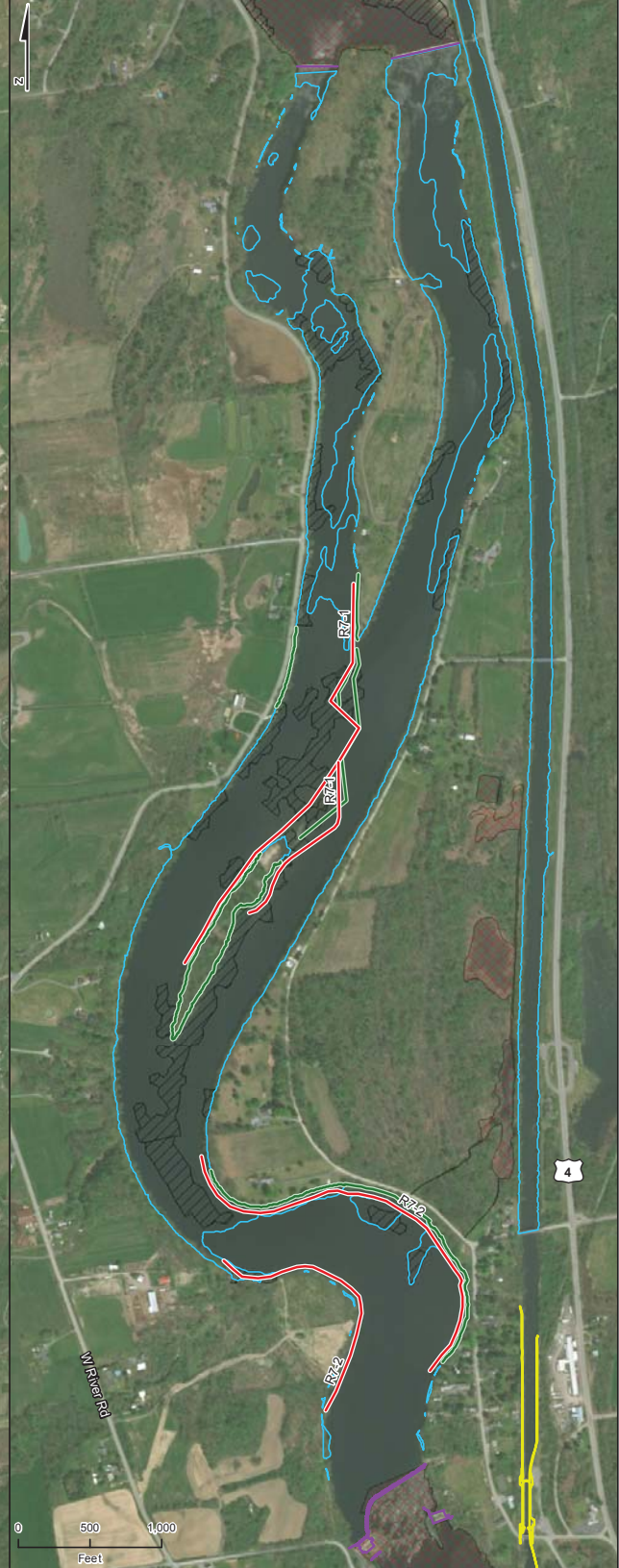
Figure 2-1d
 Reach 2 and 1 Sediment Sampling Locations
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas
 where there is no access or bedrock.
 Map Date: 2/23/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York
 East FIPS 3101 Feet

Reach 8



Reach 7



I:\env\GIS\State\Stand\Local\NorthEastNewYork\NYSDEC\HudsonRiver_Sediment\MXD\Data\Summary\Report\Figure 2-2a_Reach 8 and 7 Fish Sampling Areas.mxd

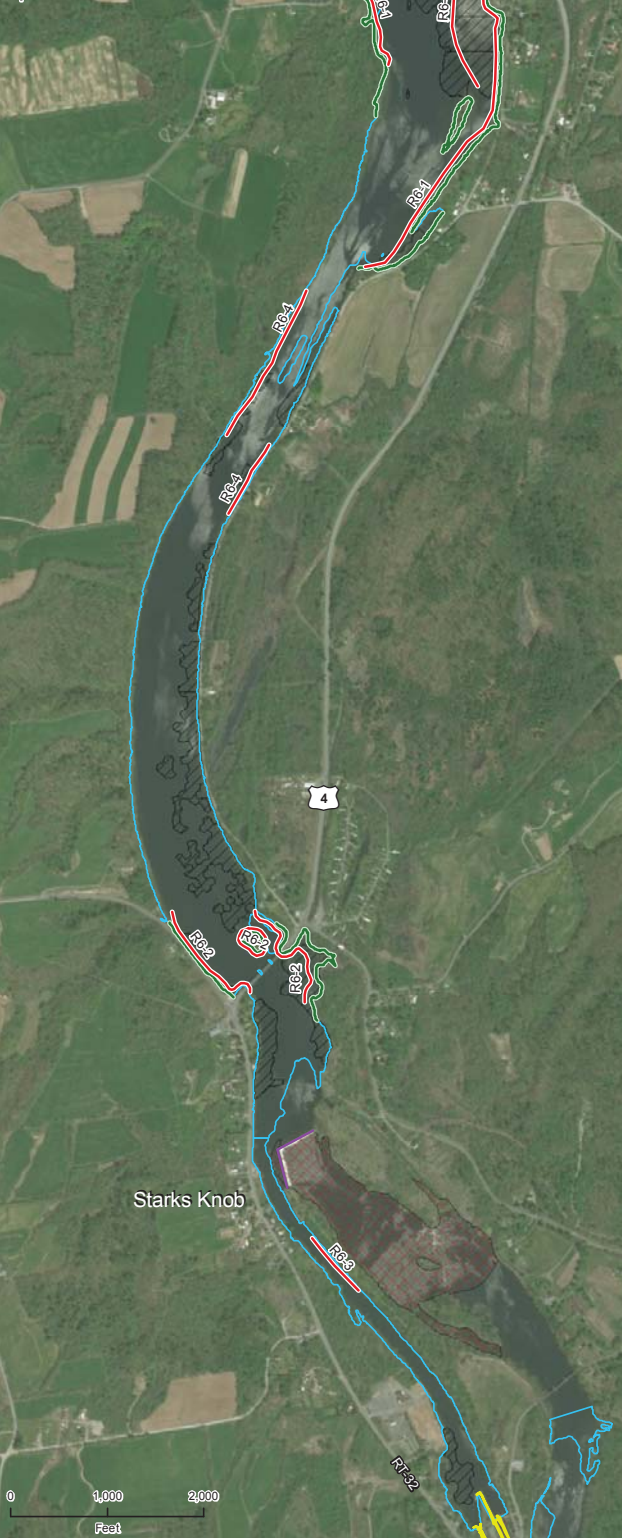


- Legend**
- EA Fall 2017 Fishing Area
 - GE/EPA 2014 Fish Sampling Area
 - Dam
 - Lock
 - Reach
 - Dredged Area
 - Inaccessible Area

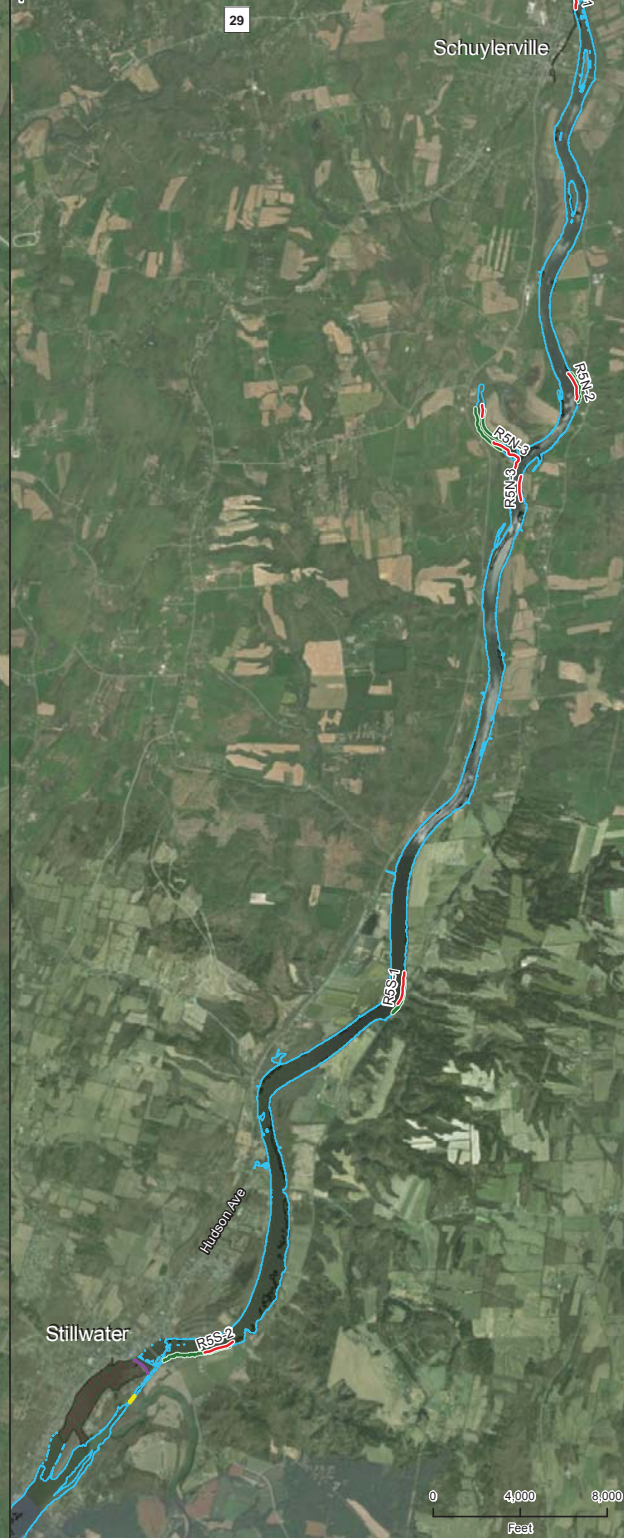
Figure 2-2a
Reach 8 and 7 Fish Sampling Areas
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 2/23/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet

Reach 6



Reach 5



I:\envision\GIS\State\Local\NorthEastNewYork\NYSD\CE\HudsonRiver_Sediment\MXD\Date\Summary\Report\Figure 2-2b_Reach 6 and 5 Fish Sampling Areas.mxd

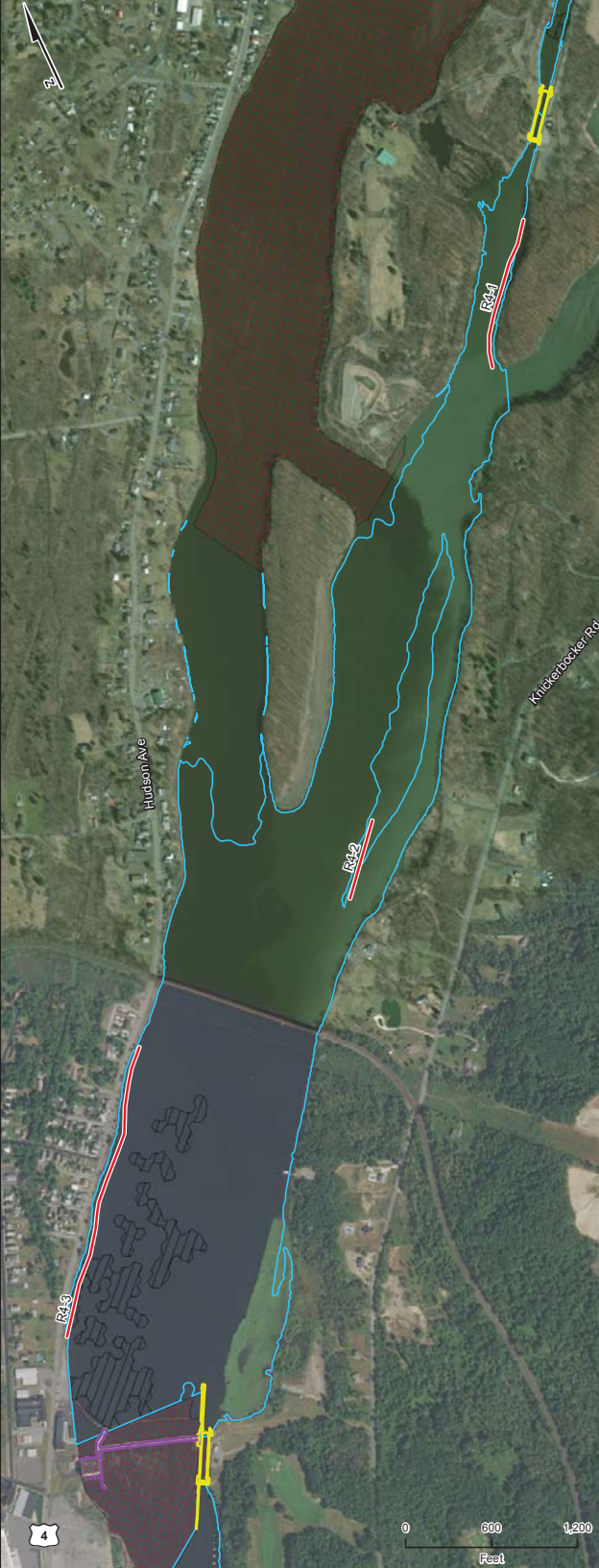


- Legend**
- EA Fall 2017 Fishing Area
 - GE/EPA 2014 Fish Sampling Area
 - Dam
 - Lock
 - Reach
 - Dredged Area
 - Inaccessible Area

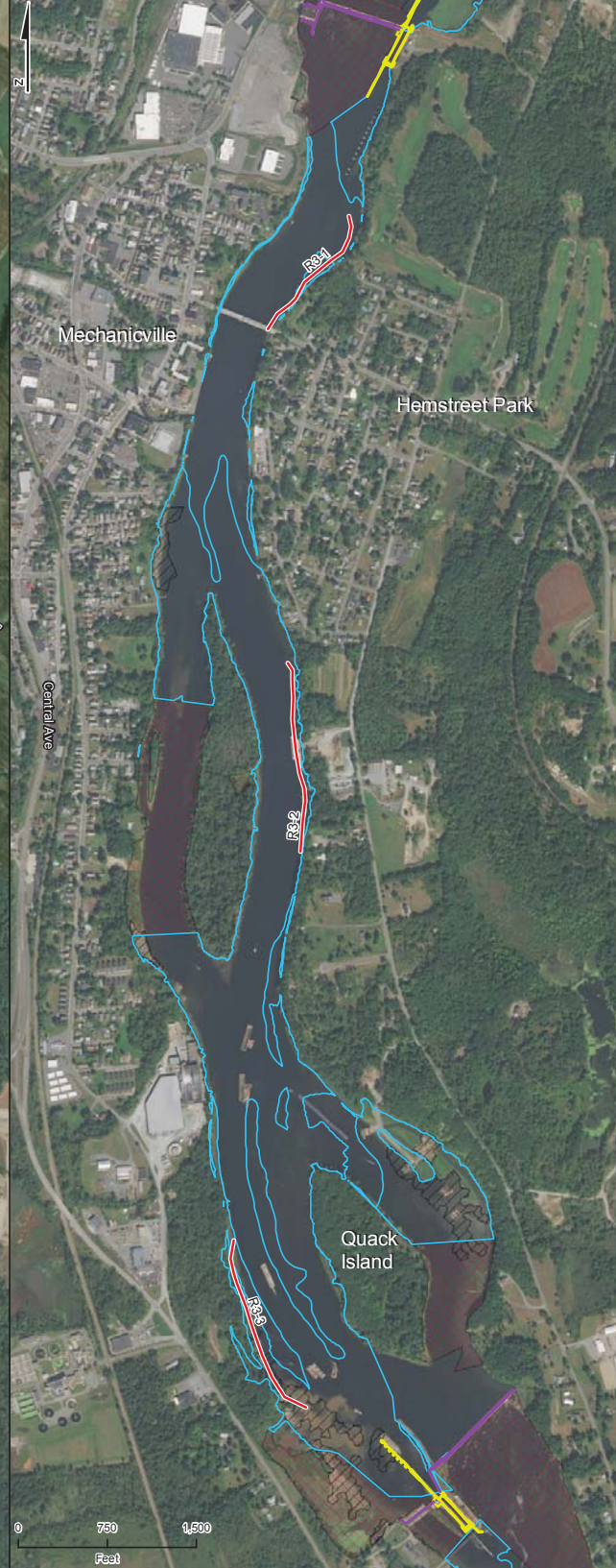
Figure 2-2b
Reach 6 and 5 Fish Sampling Areas
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
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 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet

Reach 4



Reach 3



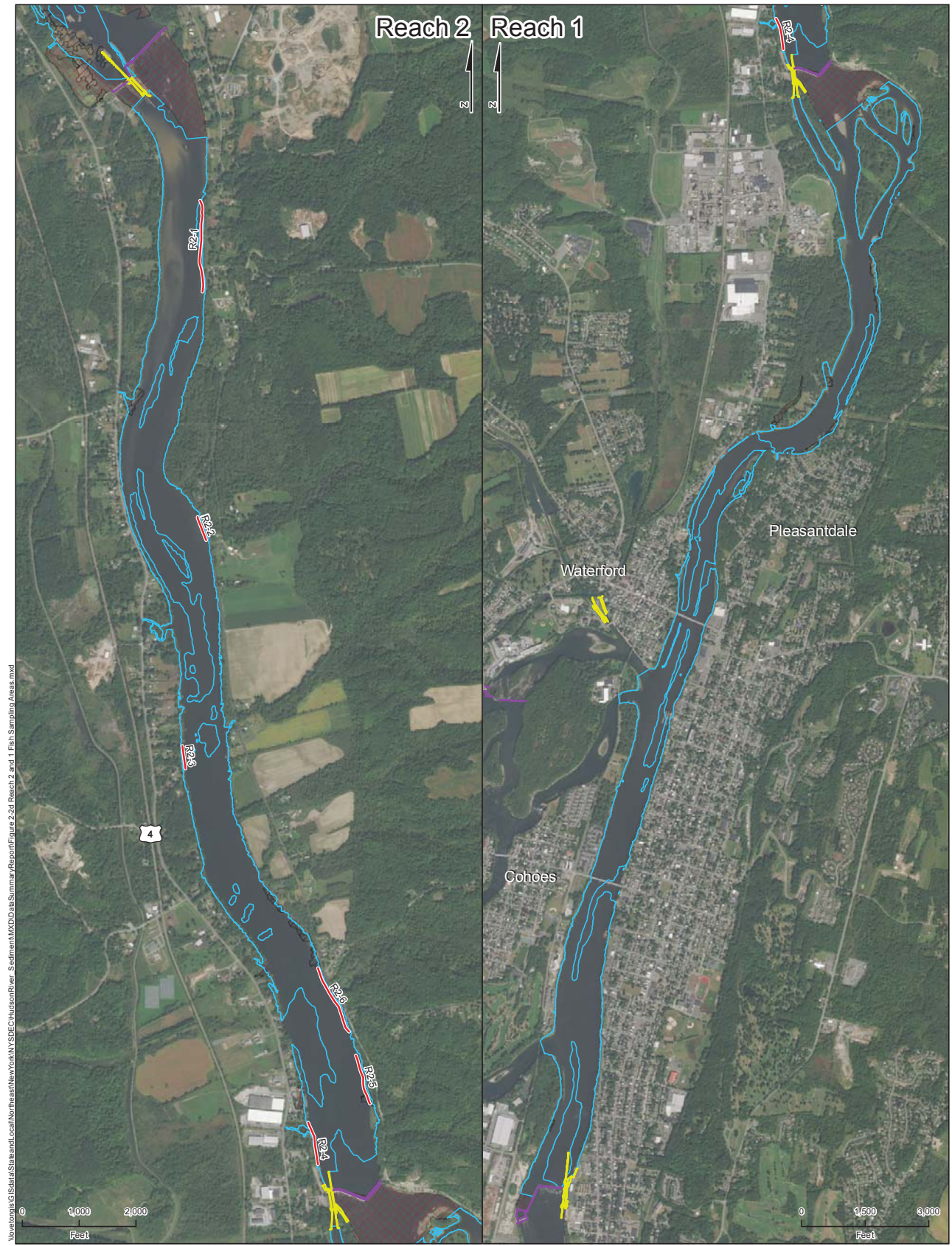
New York State Department of Environmental Conservation, Statewide Monitoring System (SMS) Data Summary Report for Reach 2-5: Reach 4 and 3 Fish Sampling Areas.mxd



- Legend**
- EA Fall 2017 Fishing Area
 - GE/EPA 2014 Fish Sampling Area
 - Dam
 - Lock
 - Reach
 - Dredged Area
 - Inaccessible Area

Figure 2-2c
 Reach 4 and 3 Fish Sampling Areas
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 2/23/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet



I:\Information Systems\GIS\Statewide\Local\NorthEastNewYork\NYSDEC\HudsonRiver_Sediment\MXD\DateSummary\Report\Figure 2-2d Reach 2 and 1 Fish Sampling Areas.mxd

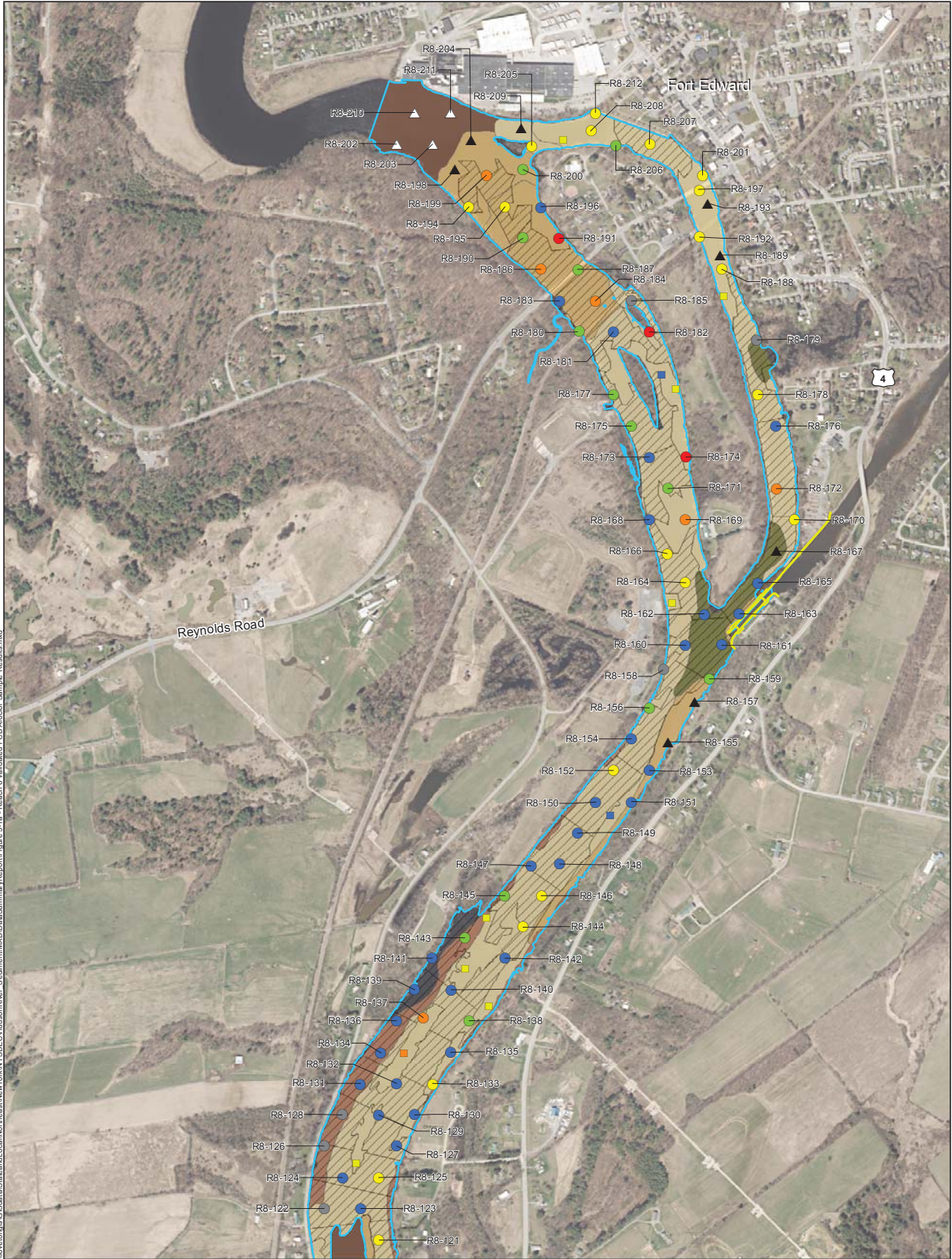


- Legend**
- Fall 2017 Fishing Area
 - GE/EPA 2014 Fish Sampling Area
 - Dam
 - Lock
 - Reach
 - Dredged Area
 - Inaccessible Area

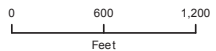
Figure 2-2d
Reach 2 and 1 Fish Sampling Areas
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 2/23/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet

I:\enviro\GIS\State\State\Local\NorthEast\NewYork\NYSD\EC\HudsonRiver_Seamless\MXD\Date\Summary\Report\Figure 3-1a - Reach 8\Validated PCB Aroclor_Simple_Results.mxd



VICINITY MAP



Legend

Validated PCB Sample Results

- PCBs <0.5 ppm
- PCBs ≥0.5 and <1.0 ppm
- PCBs ≥1.0 and <5.0 ppm
- PCBs ≥5.0 and <10 ppm
- PCBs ≥10 and <25 ppm
- PCBs ≥25 and <50 ppm
- PCBs ≥50 ppm
- Non-Detect Sample
- ▲ Abandoned Location
- △ Removed Location

2016 GE PCB Sampling Results

- PCBs <0.5 ppm
- PCBs ≥0.5 and <1.0 ppm
- PCBs ≥1.0 and <5.0 ppm
- PCBs ≥5.0 and <10 ppm
- PCBs ≥10 and <25 ppm
- PCBs ≥25 and <50 ppm
- PCBs ≥50 ppm

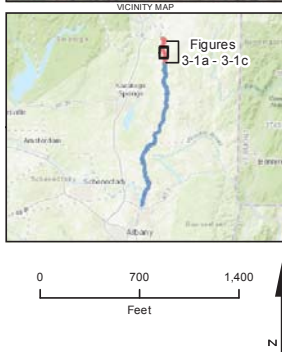
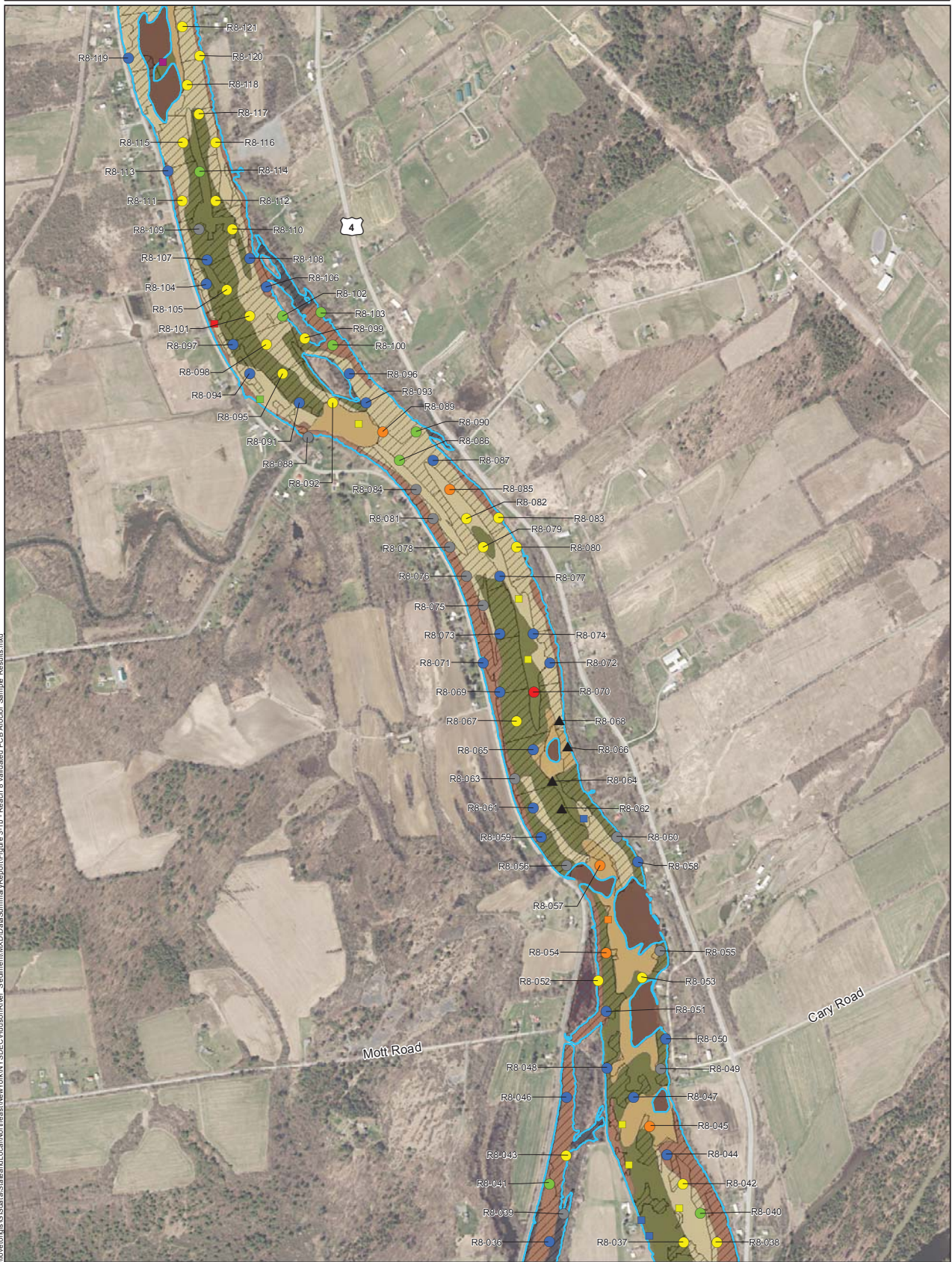
Substrate Type

- Bedrock
- Gravel
- Silt
- Silt and Sand
- Transitional
- Lock
- Reach
- Dredged Area

Figure 3-1a
 Reach 8 (Thompson Island Dam to former Fort Edwards Dam/Rogers Island): Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet

I:\env\GIS\State\Local\NorthEast\NewYork\NYSD\PCB\HudsonRiver_Sediment\MXD\DateSummary\Report\Figure 3-1b - Reach 8 Validated PCB Aroclor Sample Results.mxd



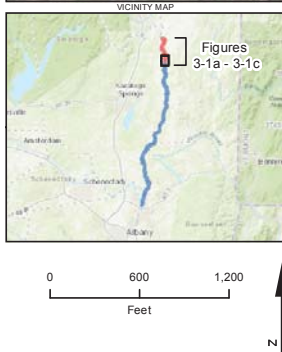
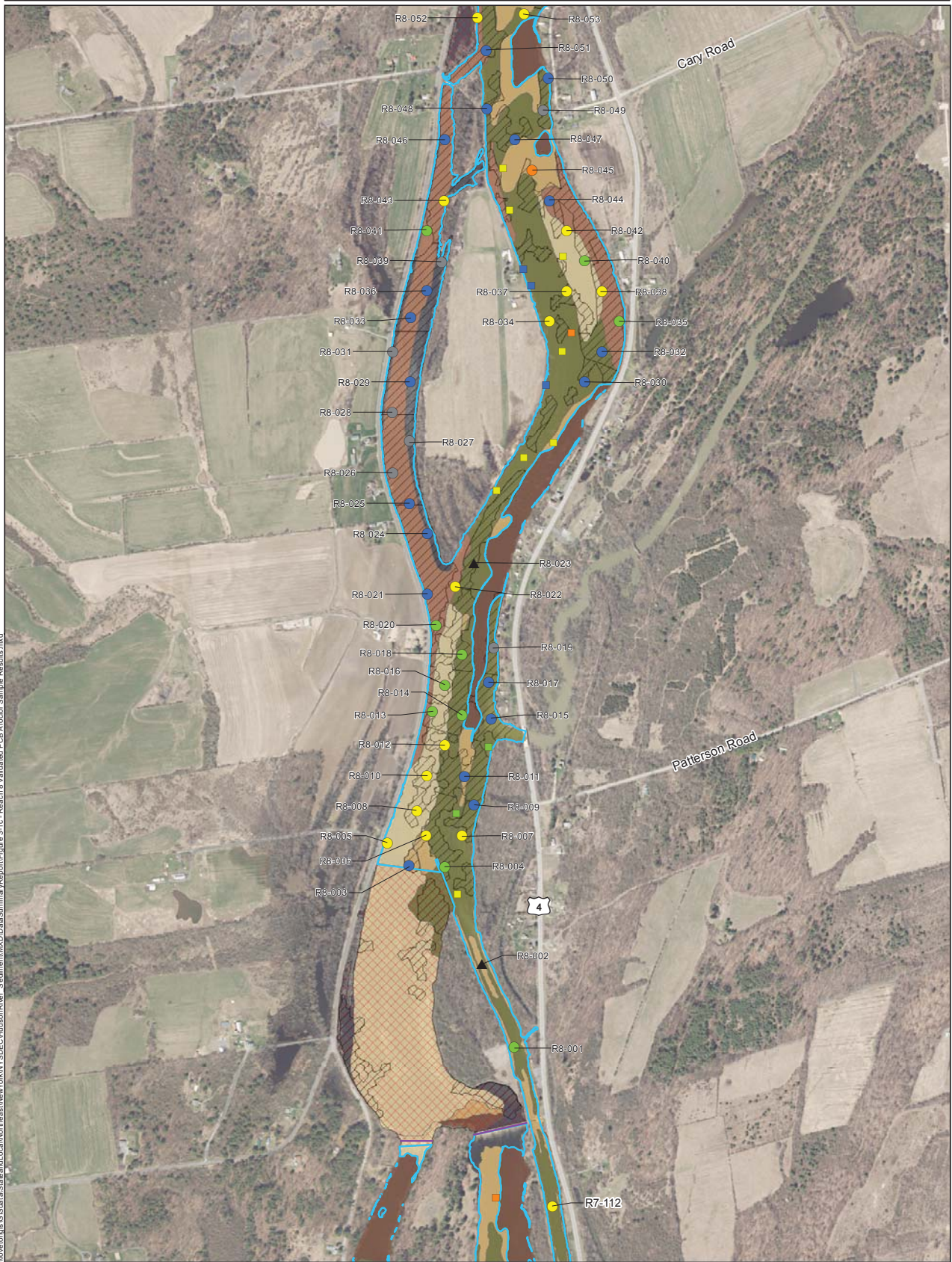
Legend

- | | | |
|-------------------------------------|-------------------------------------|-----------------------|
| Validated PCB Sample Results | 2016 GE PCB Sampling Results | Substrate Type |
| ● PCBs <0.5 ppm | ■ PCBs <0.5 ppm | ■ Bedrock |
| ● PCBs ≥0.5 and <1.0 ppm | ■ PCBs ≥0.5 and <1.0 ppm | ■ Gravel |
| ● PCBs ≥1.0 and <5.0 ppm | ■ PCBs ≥1.0 and <5.0 ppm | ■ Silt |
| ● PCBs ≥5.0 and <10 ppm | ■ PCBs ≥5.0 and <10 ppm | ■ Silt and Sand |
| ● PCBs ≥10 and <25 ppm | ■ PCBs ≥10 and <25 ppm | ■ Transitional |
| ● PCBs ≥25 and <50 ppm | ■ PCBs ≥25 and <50 ppm | ■ Reach |
| ● PCBs ≥50 ppm | ■ PCBs ≥50 ppm | ■ Dredged Area |
| ● Non-Detect Sample | | ■ Inaccessible Area |
| ▲ Abandoned Location | | |
| △ Removed Location | | |

Figure 3-1b
Reach 8 (Thompson Island Dam to former Fort Edwards Dam/Rogers Island): Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet

I:\envision\GIS\State\StatehandLocal\NorthEast\NewYork\NYSDEC\HudsonRiver_Sediment\MXD\Data\Summary\Report\Figure 3-1c - Reach 8 Validated PCB Aroclor Sample Results.mxd



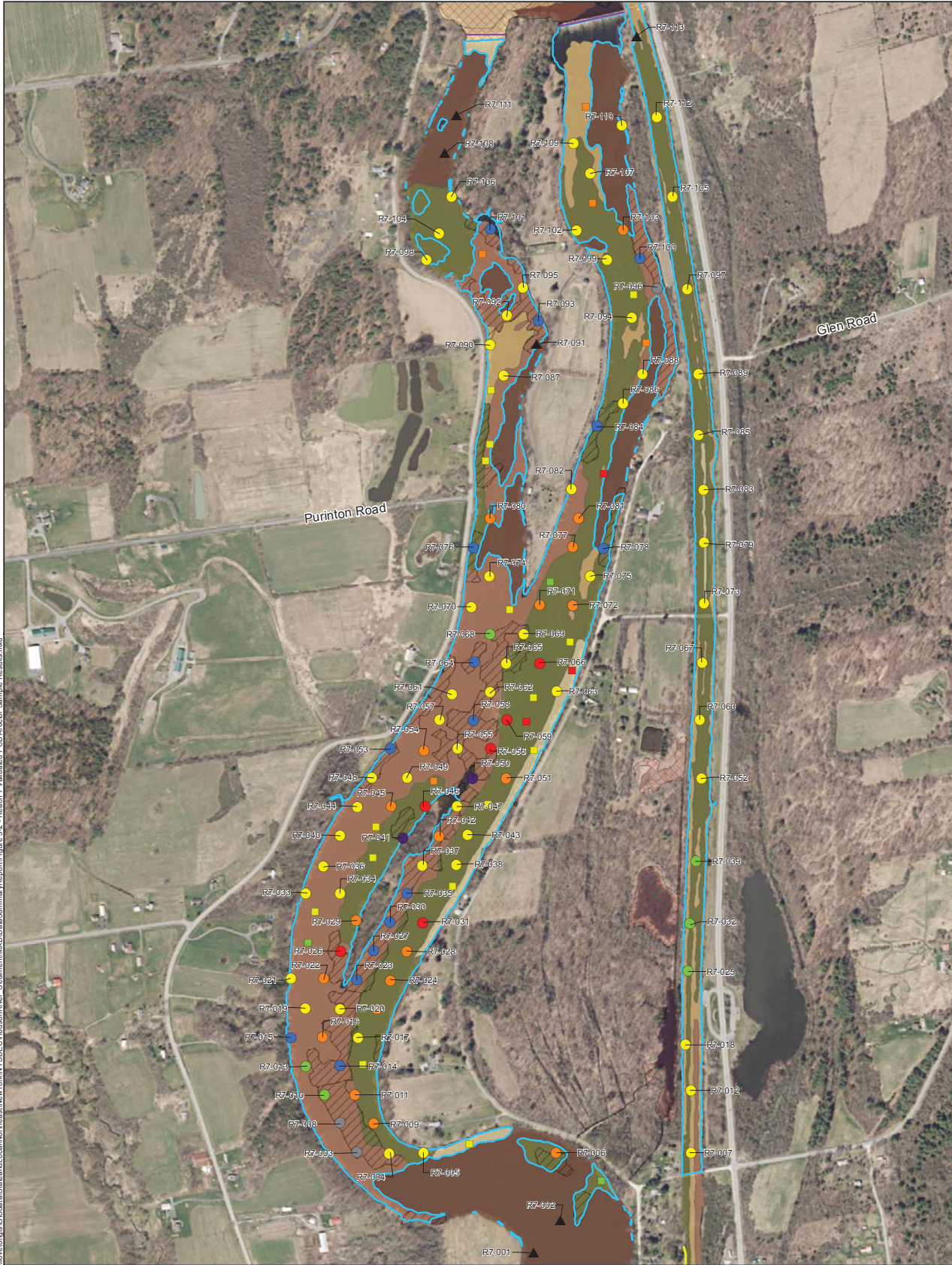
Legend

- | Validated PCB Sample Results | 2016 GE PCB Sampling Results | Substrate Type |
|------------------------------|------------------------------|---------------------|
| ● PCBs <0.5 ppm | ■ PCBs <0.5 ppm | ■ Bedrock |
| ● PCBs ≥0.5 and <1.0 ppm | ■ PCBs ≥0.5 and <1.0 ppm | ■ Gravel |
| ● PCBs ≥1.0 and <5.0 ppm | ■ PCBs ≥1.0 and <5.0 ppm | ■ Silt |
| ● PCBs ≥5.0 and <10 ppm | ■ PCBs ≥5.0 and <10 ppm | ■ Silt and Sand |
| ● PCBs ≥10 and <25 ppm | ■ PCBs ≥10 and <25 ppm | ■ Transitional |
| ● PCBs ≥25 and <50 ppm | ■ PCBs ≥25 and <50 ppm | ■ Dam |
| ● PCBs ≥50 ppm | ■ PCBs ≥50 ppm | ■ Reach |
| ● Non-Detect Sample | | ■ Dredged Area |
| ● Abandoned Location | | ■ Inaccessible Area |
| ● Removed Location | | |

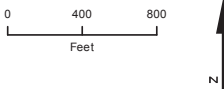
Figure 3-1c
Reach 8 (Thompson Island Dam/Rogers Island):
Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet

I:\env\GIS\State\Local\NorthEast\NewYork\NYSD\PCB\HudsonRiver_Sediment\MXD\DateSummary\Report\Figure 3-2 - Reach 7 Validated PCB Aroclor Sample Results.mxd



VICINITY MAP



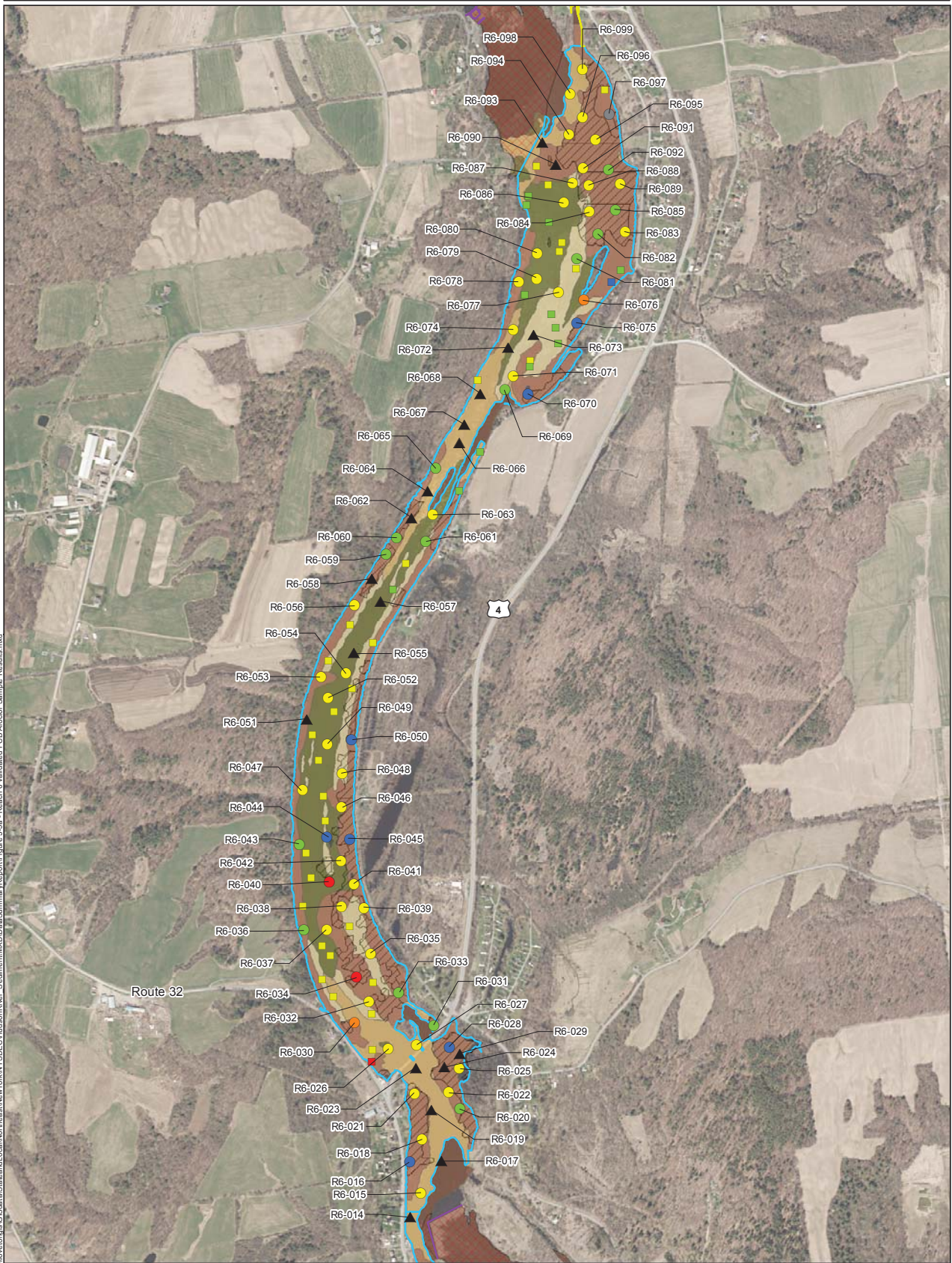
Legend

Validated PCB Sample Results	2016 GE PCB Sampling Results	Substrate Type
● PCBs <0.5 ppm	■ PCBs <0.5 ppm	■ Bedrock
● PCBs ≥0.5 and <1.0 ppm	■ PCBs ≥0.5 and <1.0 ppm	■ Gravel
● PCBs ≥1.0 and <5.0 ppm	■ PCBs ≥1.0 and <5.0 ppm	■ Silt
● PCBs ≥5.0 and <10 ppm	■ PCBs ≥5.0 and <10 ppm	■ Silt and Sand
● PCBs ≥10 and <25 ppm	■ PCBs ≥10 and <25 ppm	■ Transitional
● PCBs ≥25 and <50 ppm	■ PCBs ≥25 and <50 ppm	■ Dam
● PCBs ≥50 ppm	■ PCBs ≥50 ppm	■ Lock
● Non-Detect Sample		■ Reach
▲ Abandoned Location		■ Dredged Area
△ Removed Location		■ Inaccessible Area

Figure 3-2
Reach 7 (Lock 6 to the Thompson Island Dam): Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet

I:\env\GIS\Statehand\Local\NorthEastNewYork\NYSD\PCB\HudsonRiver_Seamless\MXD\Data\Spatial\SpatialReport\Figure 3-3a - Reach 6 Validated PCB Aroclor Sample Results.mxd



VICINITY MAP



Legend

- | | | |
|--|---|--|
| <p>Validated PCB Sample Results</p> <ul style="list-style-type: none"> ● PCBs <0.5 ppm ● PCBs ≥0.5 and <1.0 ppm ● PCBs ≥1.0 and <5.0 ppm ● PCBs ≥5.0 and <10 ppm ● PCBs ≥10 and <25 ppm ● PCBs ≥25 and <50 ppm ● PCBs ≥50 ppm ● Non-Detect Sample ▲ Abandoned Location | <p>2016 GE PCB Sampling Results</p> <ul style="list-style-type: none"> ■ PCBs <0.5 ppm ■ PCBs ≥0.5 and <1.0 ppm ■ PCBs ≥1.0 and <5.0 ppm ■ PCBs ≥5.0 and <10 ppm ■ PCBs ≥10 and <25 ppm ■ PCBs ≥25 and <50 ppm ■ PCBs ≥50 ppm | <p>Substrate Type</p> <ul style="list-style-type: none"> ■ Bedrock ■ Gravel ■ Silt ■ Silt and Sand ■ Transitional — Dam — Lock □ Reach ▨ Dredged Area ▧ Inaccessible Area |
|--|---|--|

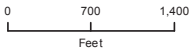
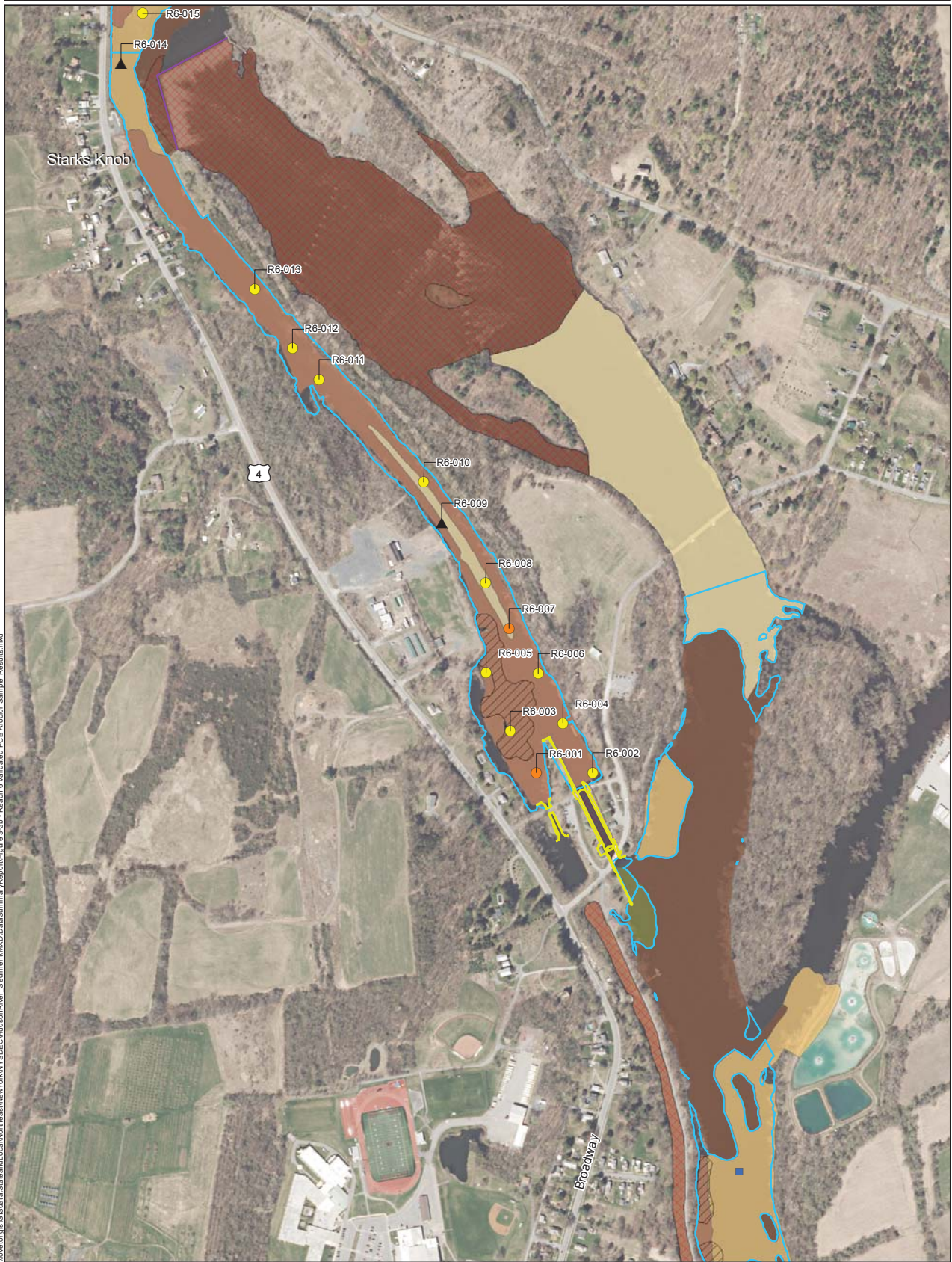


Figure 3-3a
Reach 6 (Lock 5 to Lock 6 in Fort Miller):
Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

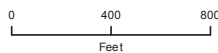
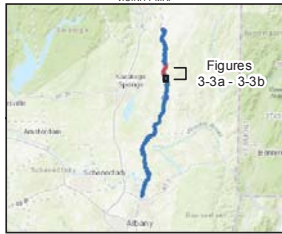
Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet



I:\envision\GIS\Statewide\Local\NorthEast\NewYork\NYSD\CECHudsonRiver_Sediment\MXD\Date\Summary\Report\Figure 3-3b - Reach 6 Validated PCB Aroclor Sample Results.mxd



VICINITY MAP



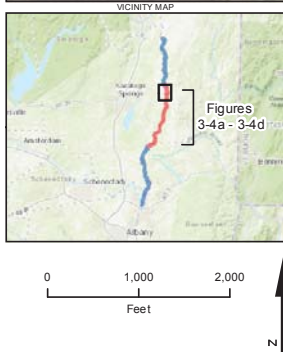
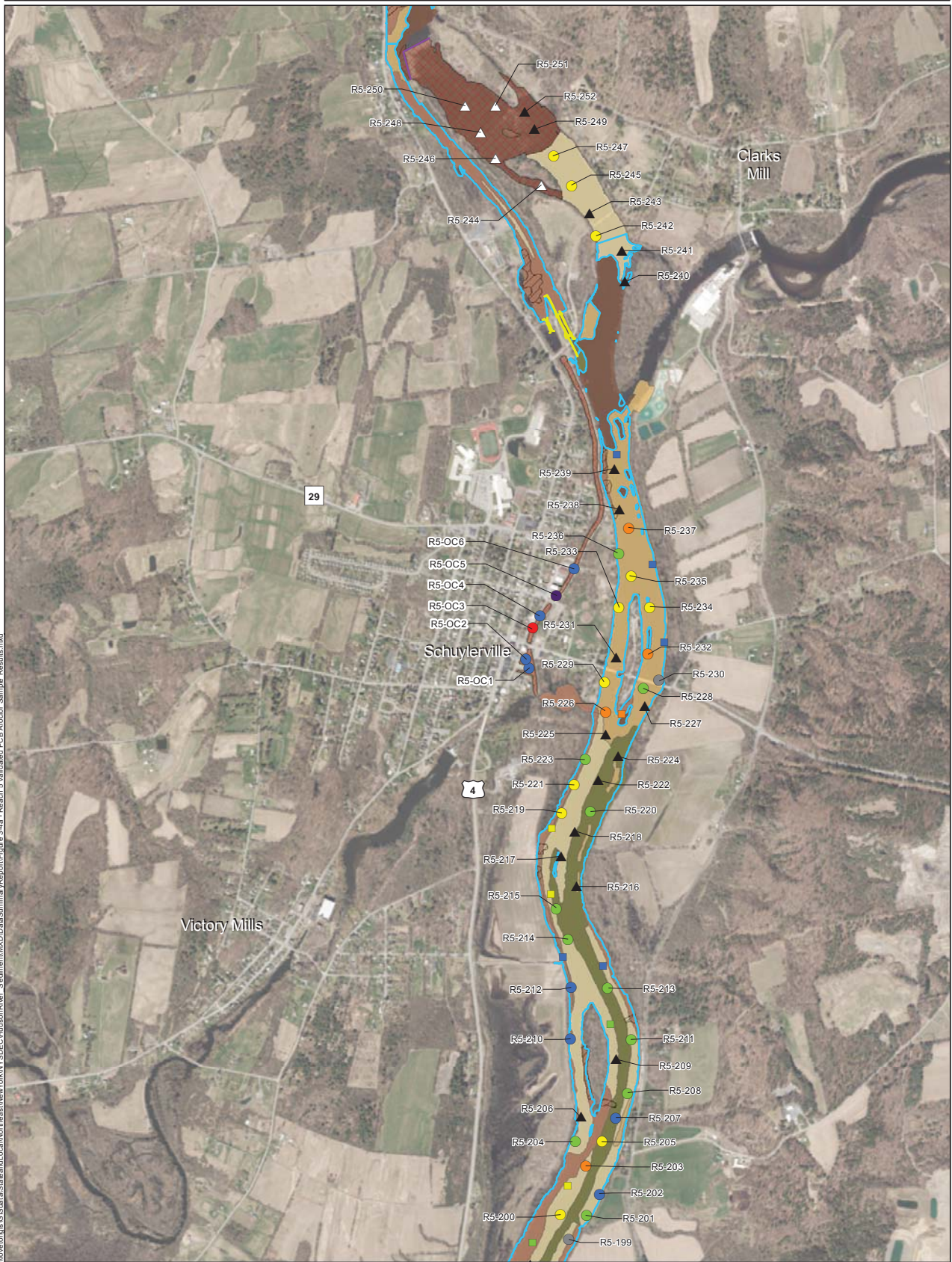
Legend

Validated PCB Sample Results	2016 GE PCB Sampling Results	Substrate Type
● PCBs <0.5 ppm	■ PCBs <0.5 ppm	■ Bedrock
● PCBs ≥0.5 and <1.0 ppm	■ PCBs ≥0.5 and <1.0 ppm	■ Gravel
● PCBs ≥1.0 and <5.0 ppm	■ PCBs ≥1.0 and <5.0 ppm	■ Silt
● PCBs ≥5.0 and <10 ppm	■ PCBs ≥5.0 and <10 ppm	■ Silt and Sand
● PCBs ≥10 and <25 ppm	■ PCBs ≥10 and <25 ppm	■ Transitional
● PCBs ≥25 and <50 ppm	■ PCBs ≥25 and <50 ppm	■ Dam
● PCBs ≥50 ppm	■ PCBs ≥50 ppm	■ Lock
● Non-Detect Sample		■ Reach
▲ Abandoned Location		■ Dredged Area
		■ Inaccessible Area

Figure 3-3b
 Reach 6 (Lock 5 to Lock 6 in Fort Miller):
 Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet

I:\env\GIS\State\StateandLocal\NorthwestNewYork\NYSDEC\HudsonRiver_Sediment\MXD\DateSummaryReport\Figure 3-4a - Reach 5 Validated PCB Aroclor Sample Results.mxd



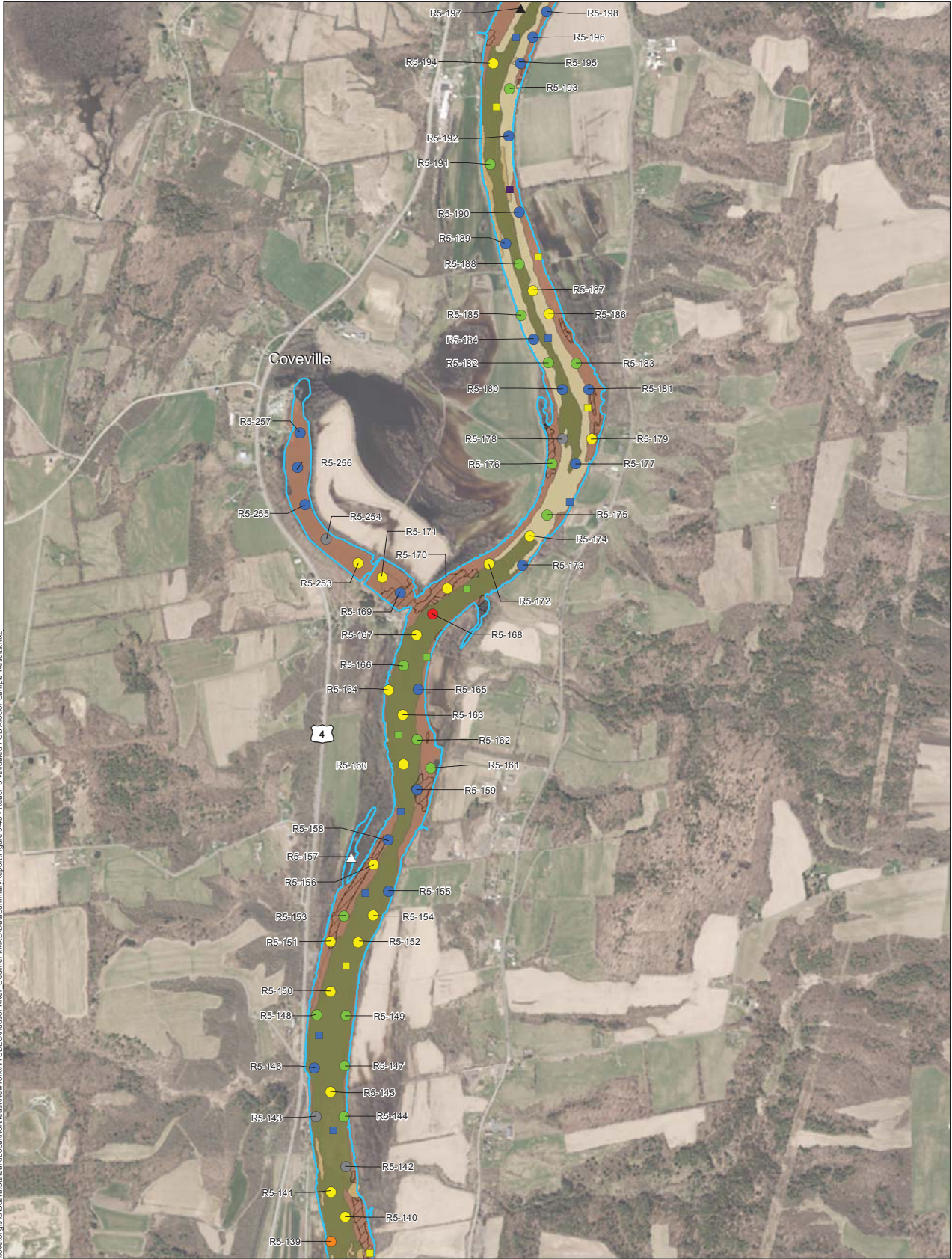
Legend

- | | | |
|--|---|--|
| <p>Validated PCB Sample Results</p> <ul style="list-style-type: none"> ● PCBs <0.5 ppm ● PCBs ≥0.5 and <1.0 ppm ● PCBs ≥1.0 and <5.0 ppm ● PCBs ≥5.0 and <10 ppm ● PCBs ≥10 and <25 ppm ● PCBs ≥25 and <50 ppm ● PCBs ≥50 ppm ● Non-Detect Sample ▲ Abandoned Location △ Removed Location | <p>2016 GE PCB Sampling Results</p> <ul style="list-style-type: none"> ■ PCBs <0.5 ppm ■ PCBs ≥0.5 and <1.0 ppm ■ PCBs ≥1.0 and <5.0 ppm ■ PCBs ≥5.0 and <10 ppm ■ PCBs ≥10 and <25 ppm ■ PCBs ≥25 and <50 ppm ■ PCBs ≥50 ppm | <p>Substrate Type</p> <ul style="list-style-type: none"> ■ Bedrock ■ Gravel ■ Silt ■ Silt and Sand ■ Transitional — Dam — Lock — Reach ▨ Dredged Area ▨ Inaccessible Area |
|--|---|--|

Figure 3-4a
Reach 5 (Lock 4 to Lock 5 in Schuylerville
/Northumberland): Validated PCB
Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas
 where there is no access or bedrock.
 Map Date: 3/27/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York
 East FIPS 3101 Feet

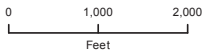
I:\Newtowns\GIS\State\StateandLocal\NorthEastNewYork\NYSDEC\HudsonRiver_Sediment\MXD\Data\Summary\Report\Figure 3-4b - Reach 5 Validated PCB Aroclor Sample Results.mxd



VICINITY MAP



Figures 3-4a - 3-4d



Legend

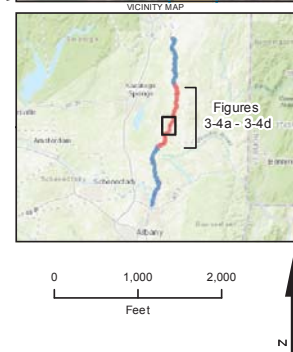
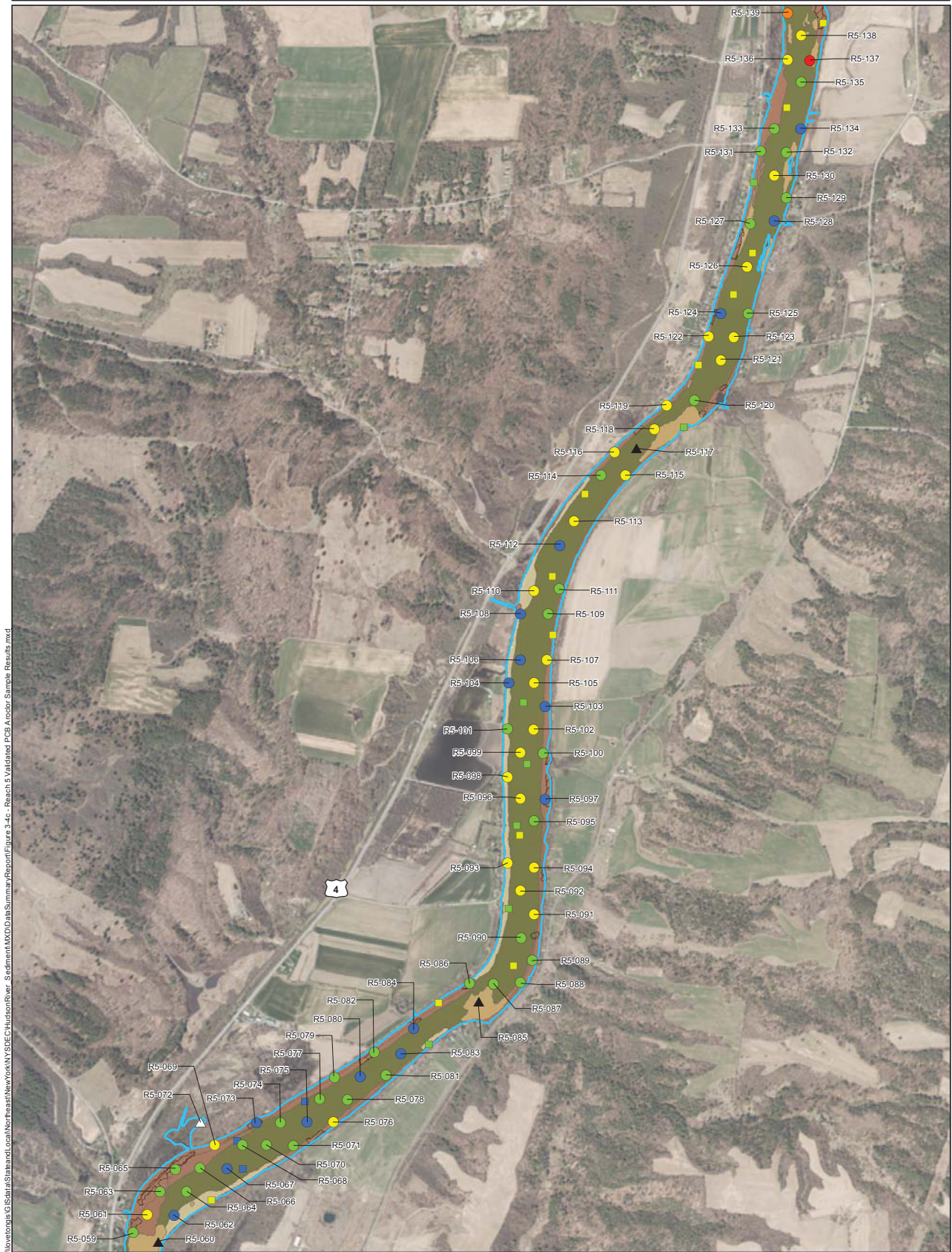
- | | | |
|-------------------------------------|-------------------------------------|-----------------------|
| Validated PCB Sample Results | 2016 GE PCB Sampling Results | Substrate Type |
| ● PCBs <0.5 ppm | ■ PCBs <0.5 ppm | ■ Gravel |
| ● PCBs ≥0.5 and <1.0 ppm | ■ PCBs ≥0.5 and <1.0 ppm | ■ Silt |
| ● PCBs ≥1.0 and <5.0 ppm | ■ PCBs ≥1.0 and <5.0 ppm | ■ Silt and Sand |
| ● PCBs ≥5.0 and <10 ppm | ■ PCBs ≥5.0 and <10 ppm | ■ Transitional |
| ● PCBs ≥10 and <25 ppm | ■ PCBs ≥10 and <25 ppm | ■ Reach |
| ● PCBs ≥25 and <50 ppm | ■ PCBs ≥25 and <50 ppm | ■ Dredged Area |
| ● PCBs ≥50 ppm | ■ PCBs ≥50 ppm | |
| ● Non-Detect Sample | | |
| ▲ Abandoned Location | | |
| △ Removed Location | | |

Figure 3-4b
Reach 5 (Lock 4 to Lock 5 in Schuylerville
/Northumberland): Validated PCB
Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet



I:\06\GIS\State\GIS\Map\NorthEastNewYork\NSDEPC\HudsonRiver_Sediment\MXD\Date\Summary\Report\Figure 3-4c - Reach 5 Validated PCB Aroclor Sample Results.mxd



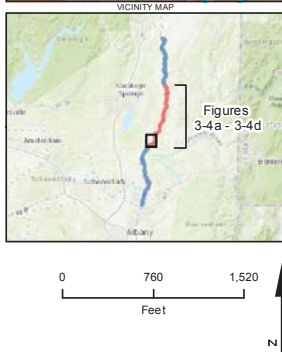
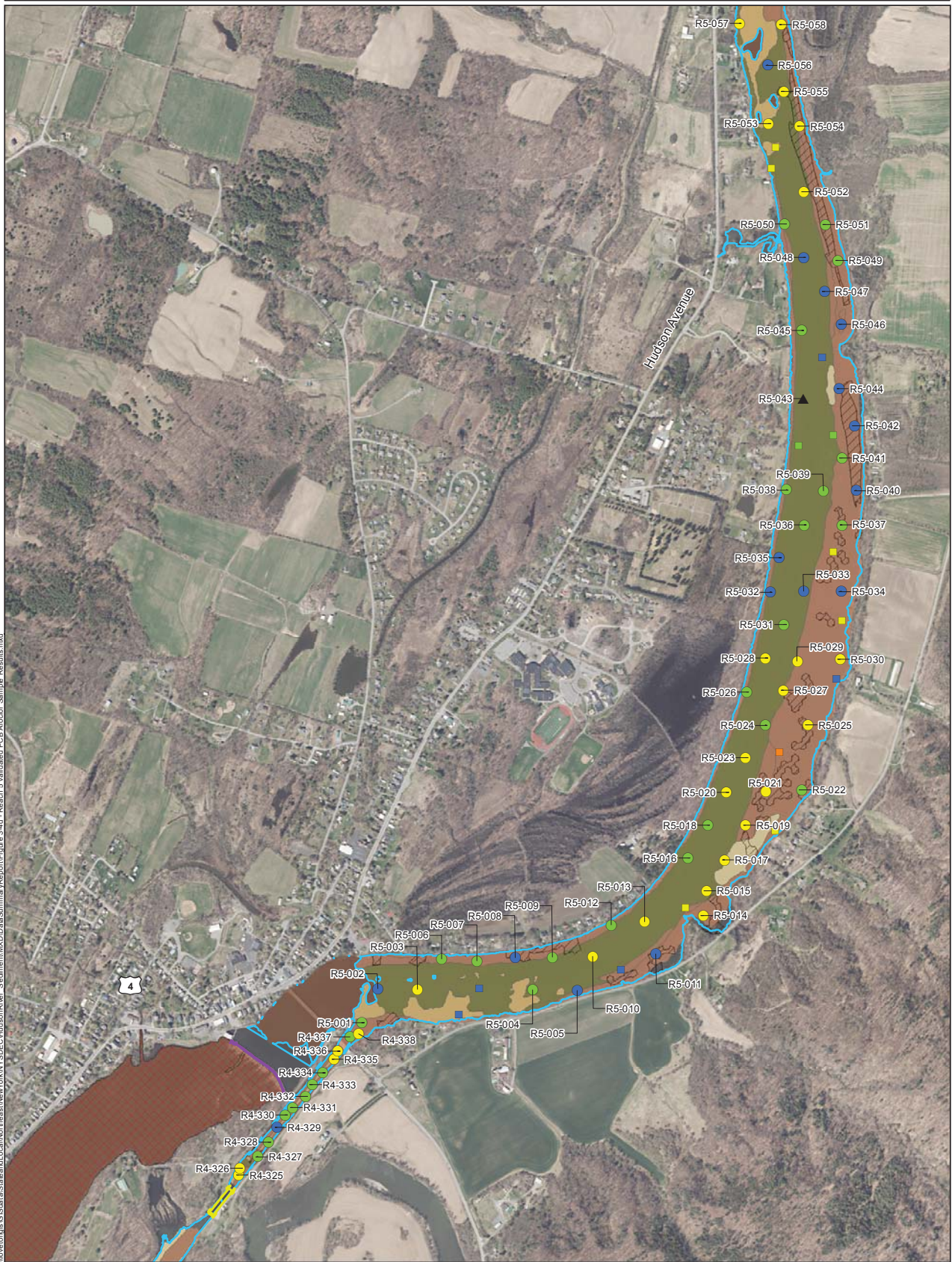
Legend

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ● PCBs <0.5 ppm ● PCBs ≥0.5 and <1.0 ppm ● PCBs ≥1.0 and <5.0 ppm ● PCBs ≥5.0 and <10 ppm ● PCBs ≥10 and <25 ppm ● PCBs ≥25 and <50 ppm ● PCBs ≥50 ppm ● Non-Detect Sample ▲ Abandoned Location △ Removed Location | <ul style="list-style-type: none"> ■ PCBs <0.5 ppm ■ PCBs ≥0.5 and <1.0 ppm ■ PCBs ≥1.0 and <5.0 ppm ■ PCBs ≥5.0 and <10 ppm ■ PCBs ≥10 and <25 ppm ■ PCBs ≥25 and <50 ppm ■ PCBs ≥50 ppm | <ul style="list-style-type: none"> ■ Bedrock ■ Gravel ■ Silt ■ Silt and Sand ■ Transitional □ Reach ▨ Dredged Area |
|---|--|---|

Figure 3-4c
Reach 5 (Lock 4 to Lock 5 in Schuylerville
/Northumberland): Validated PCB
Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas
 where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York
 East FIPS 3101 Feet

Location: S Statehand LocalNorthwestNewYorkNYSDCEHudsonRiver_Sediment.MXD Data Summary Report: Figure 3-4d - Reach 5 Validated PCB Aroclor Sample Results.mxd

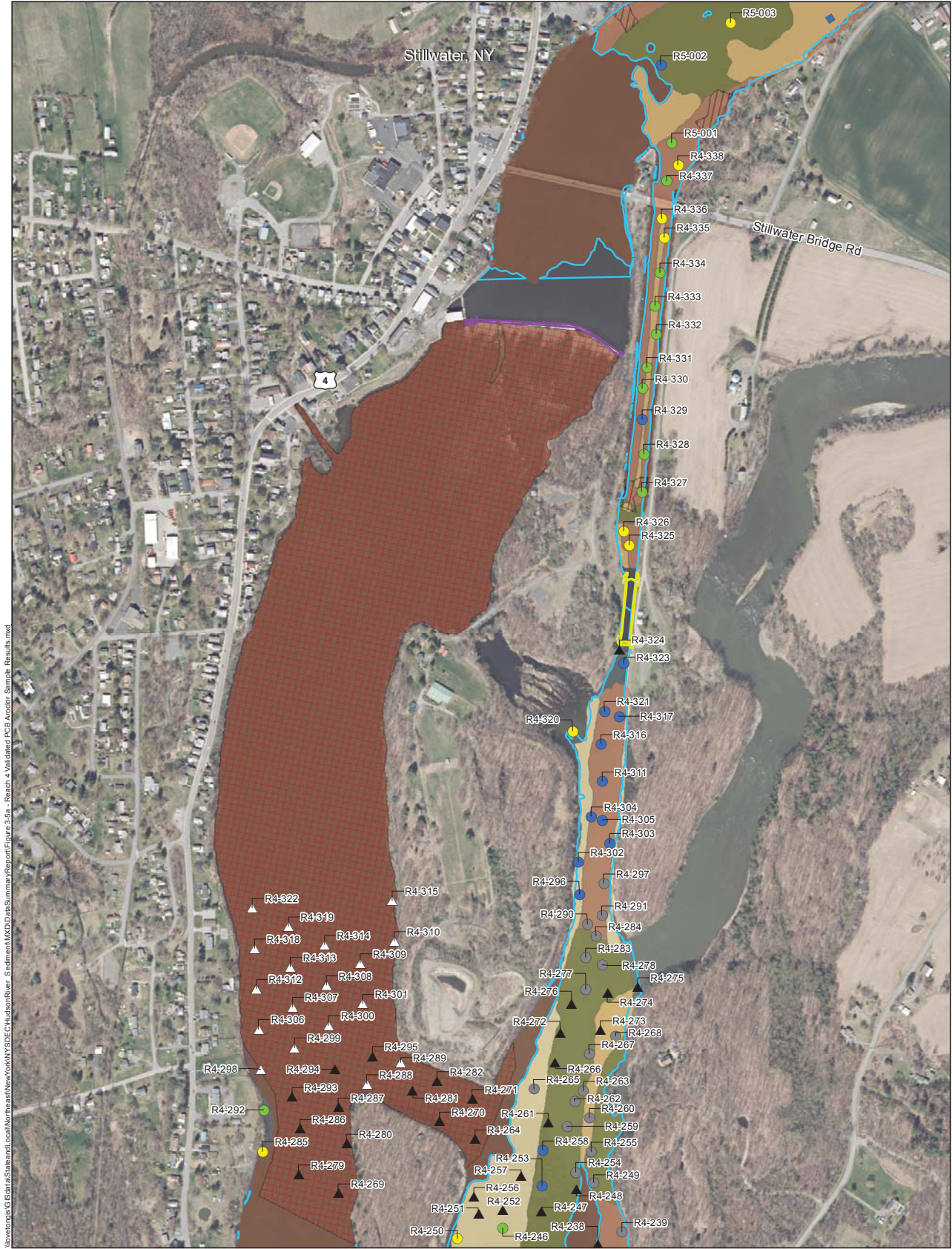


Legend

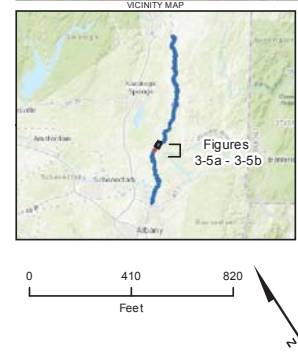
- | | | |
|-------------------------------------|-------------------------------------|-----------------------|
| Validated PCB Sample Results | 2016 GE PCB Sampling Results | Substrate Type |
| ● PCBs <0.5 ppm | ■ PCBs <0.5 ppm | ■ Bedrock |
| ● PCBs ≥0.5 and <1.0 ppm | ■ PCBs ≥0.5 and <1.0 ppm | ■ Gravel |
| ● PCBs ≥1.0 and <5.0 ppm | ■ PCBs ≥1.0 and <5.0 ppm | ■ Silt |
| ● PCBs ≥5.0 and <10 ppm | ■ PCBs ≥5.0 and <10 ppm | ■ Silt and Sand |
| ● PCBs ≥10 and <25 ppm | ■ PCBs ≥10 and <25 ppm | ■ Transitional |
| ● PCBs ≥25 and <50 ppm | ■ PCBs ≥25 and <50 ppm | ■ Dam |
| ● PCBs ≥50 ppm | ■ PCBs ≥50 ppm | ■ Lock |
| ● Non-Detect Sample | | ■ Reach |
| ▲ Abandoned Location | | ■ Dredged Area |
| △ Removed Location | | ■ Inaccessible Area |

Figure 3-4d
Reach 5 (Lock 4 to Lock 5 in Schuylerville
/Northumberland): Validated PCB
Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas
 where there is no access or bedrock.
 Map Date: 3/27/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York
 East FIPS 3101 Feet



I:\envision\GIS\State\Stand\Local\NorthEast\NewYork\NYSDEC\HudsonRiver_Sediment\MXD\Docs\Summary\Report\Figures\3-5a - Reach 4 Validated PCB Aroclor Sample Results.mxd

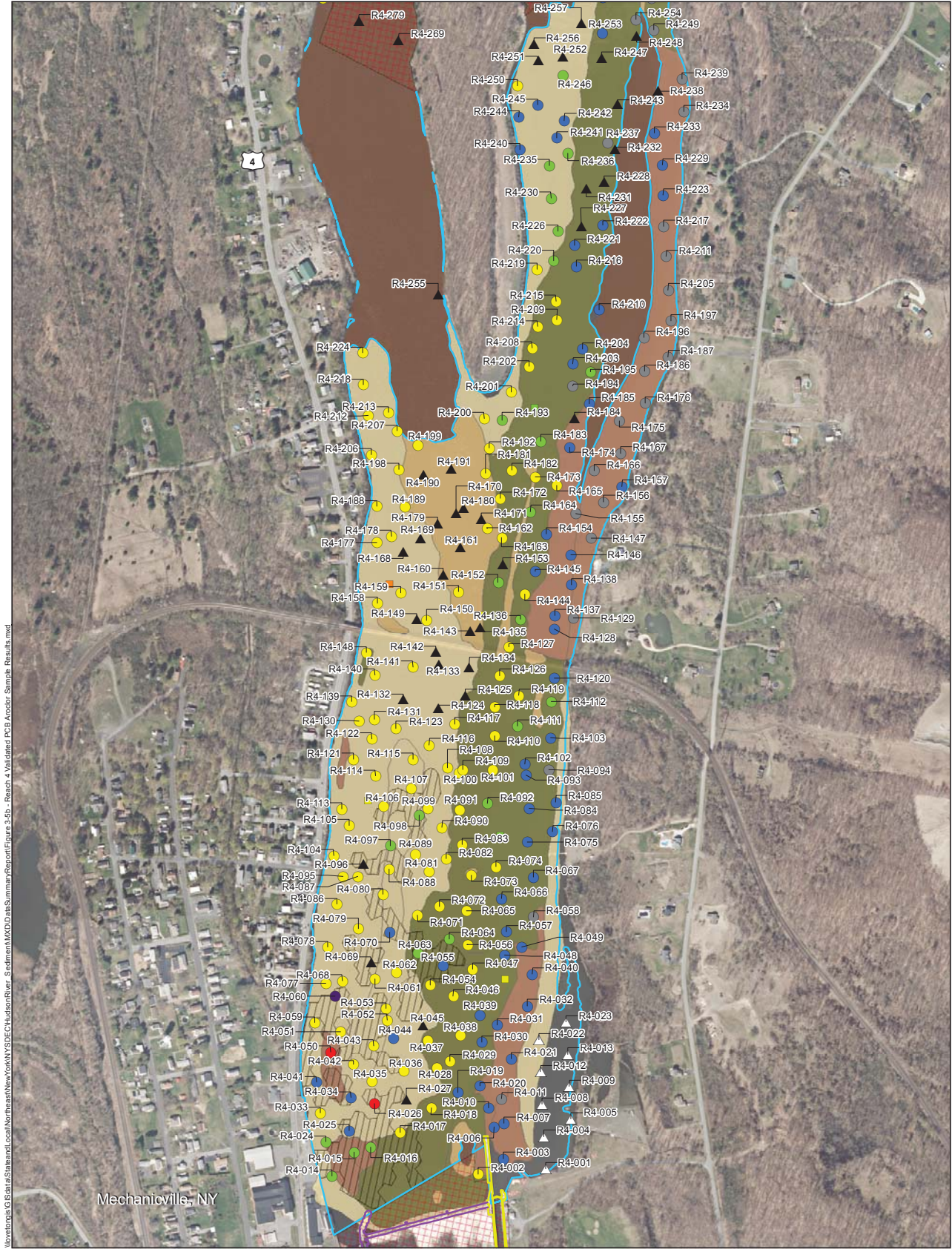


Legend

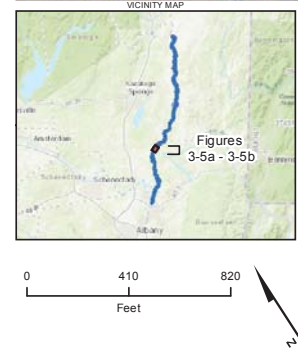
Validated PCB Sample Results	2016 GE PCB Sampling Results	Substrate Type
● PCBs <0.5 ppm	■ PCBs <0.5 ppm	■ Bedrock
● PCBs ≥0.5 and <1.0 ppm	■ PCBs ≥0.5 and <1.0 ppm	■ Gravel
● PCBs ≥1.0 and <5.0 ppm	■ PCBs ≥1.0 and <5.0 ppm	■ Silt
● PCBs ≥5.0 and <10 ppm	■ PCBs ≥5.0 and <10 ppm	■ Silt and Sand
● PCBs ≥10 and <25 ppm	■ PCBs ≥10 and <25 ppm	■ Transitional
● PCBs ≥25 and <50 ppm	■ PCBs ≥25 and <50 ppm	■ Dam
● PCBs ≥50 ppm	■ PCBs ≥50 ppm	■ Lock
● Non-Detect Sample		■ Reach
▲ Abandoned Location		■ Dredged Area
△ Removed Location		■ Inaccessible Area

Figure 3-5a
 Reach 4 (Lock 3 to Lock 4 in Stillwater):
 Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas
 where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York
 East FIPS 3101 Feet



Newtowns\GIS\State\Stand\Local\NorthEastNewYork\NYSP\CE\HudsonRiver_Sediment\MXD\Date\Summary\Report\Figure 3-5b - Reach 4 Validated PCB Aroclor Sample Results.mxd



Legend

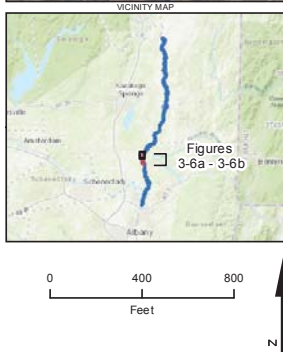
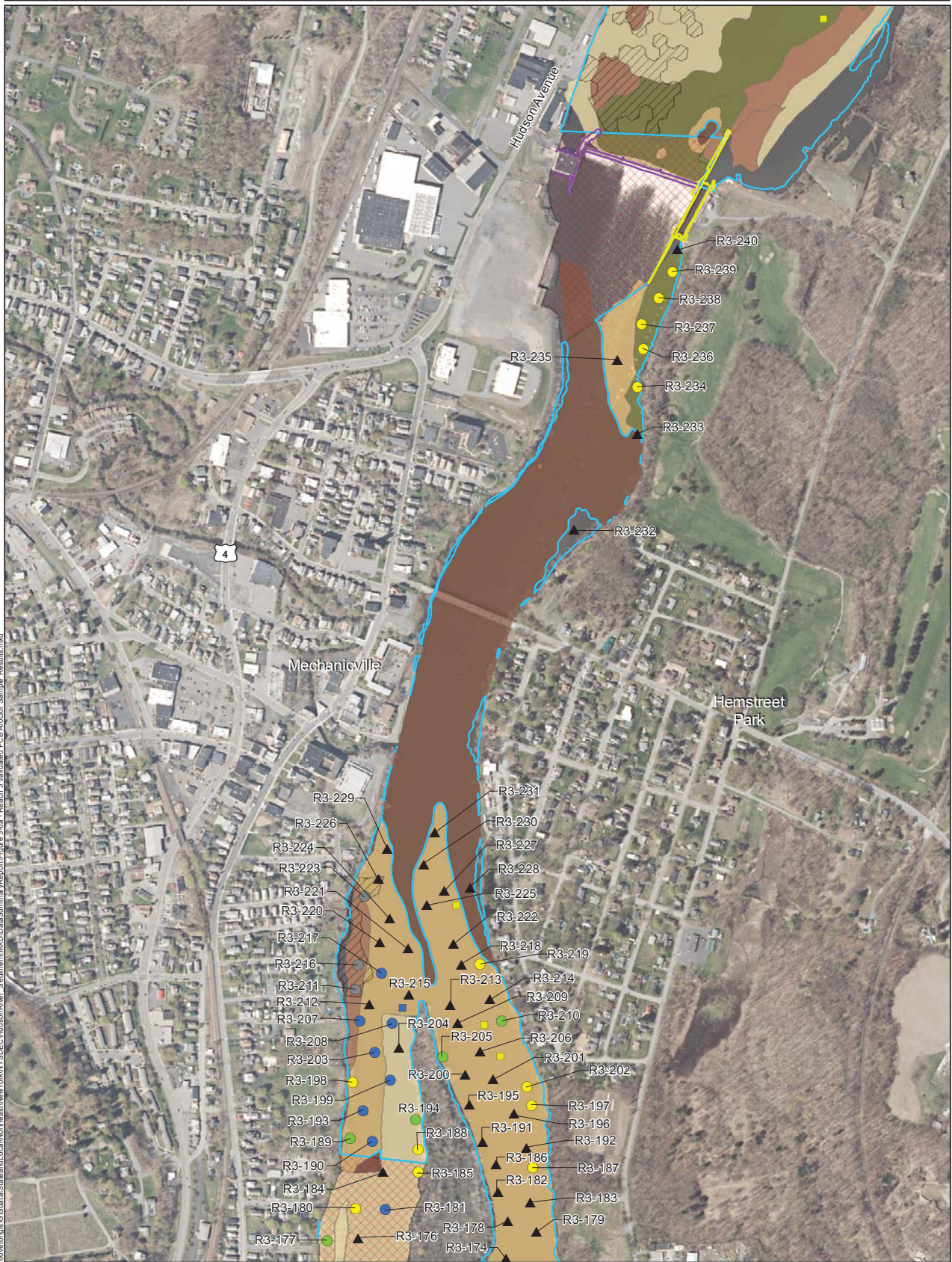
- | | | |
|-------------------------------------|-------------------------------------|-----------------------|
| Validated PCB Sample Results | 2016 GE PCB Sampling Results | Substrate Type |
| ● PCBs <0.5 ppm | ■ PCBs <0.5 ppm | ■ Bedrock |
| ● PCBs ≥0.5 and <1.0 ppm | ■ PCBs ≥0.5 and <1.0 ppm | ■ Gravel |
| ● PCBs ≥1.0 and <5.0 ppm | ■ PCBs ≥1.0 and <5.0 ppm | ■ Silt |
| ● PCBs ≥5.0 and <10 ppm | ■ PCBs ≥5.0 and <10 ppm | ■ Silt and Sand |
| ● PCBs ≥10 and <25 ppm | ■ PCBs ≥10 and <25 ppm | ■ Transitional |
| ● PCBs ≥25 and <50 ppm | ■ PCBs ≥25 and <50 ppm | ■ Dam |
| ● PCBs ≥50 ppm | ■ PCBs ≥50 ppm | ■ Lock |
| ● Non-Detect Sample | | ■ Reach |
| ▲ Abandoned Location | | ■ Dredged Area |
| △ Removed Location | | ■ Inaccessible Area |

Figure 3-5b
Reach 4 (Lock 3 to Lock 4 in Stillwater):
Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet



I:\envision\GIS\State\Standalone\Local\NorthEastNewYork\NYSDEC\HudsonRiver_Sediment\MXD\MapSummary\Report\Figure 3-6a - Reach 3 Validated PCB Aroclor Sample Results.mxd

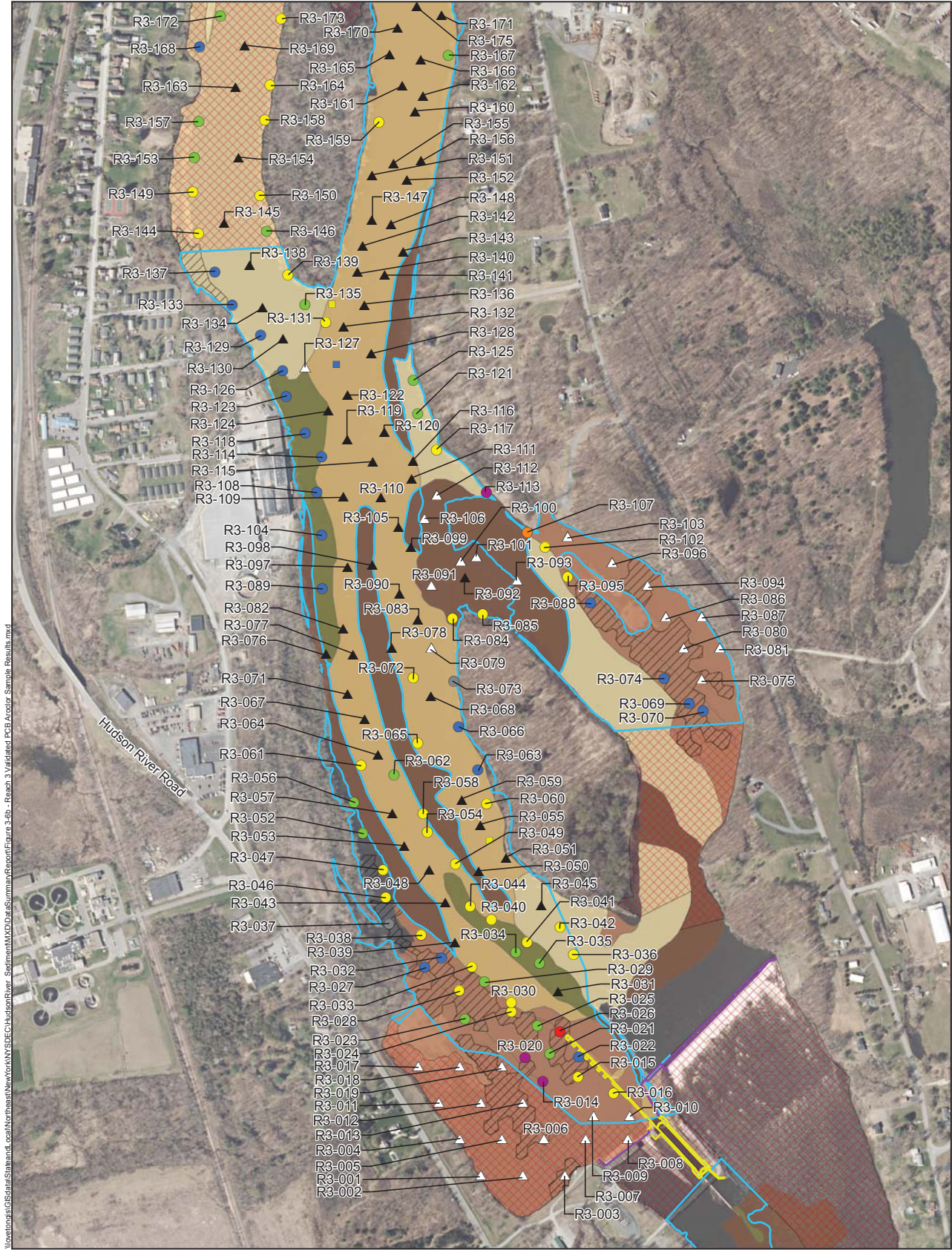


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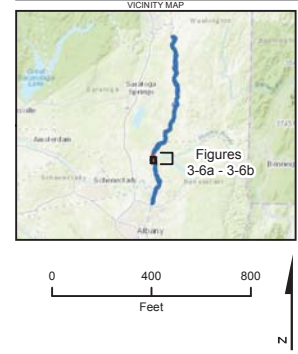
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|-------------------------------------|-------------------------------------|-----------------------|
| Validated PCB Sample Results | 2016 GE PCB Sampling Results | Substrate Type |
| ● PCBs <0.5 ppm | ■ PCBs <0.5 ppm | ■ Bedrock |
| ● PCBs ≥0.5 and <1.0 ppm | ■ PCBs ≥0.5 and <1.0 ppm | ■ Gravel |
| ● PCBs ≥1.0 and <5.0 ppm | ■ PCBs ≥1.0 and <5.0 ppm | ■ Silt |
| ● PCBs ≥5.0 and <10 ppm | ■ PCBs ≥5.0 and <10 ppm | ■ Silt and Sand |
| ● PCBs ≥10 and <25 ppm | ■ PCBs ≥10 and <25 ppm | ■ Transitional |
| ● PCBs ≥25 and <50 ppm | ■ PCBs ≥25 and <50 ppm | ■ Dam |
| ● PCBs ≥50 ppm | ■ PCBs ≥50 ppm | ■ Lock |
| ● Non-Detect Sample | | ■ Reach |
| ▲ Abandoned Location | | ■ Dredged Area |
| △ Removed Location | | ■ Inaccessible Area |

Figure 3-6a
 Reach 3 (Lock 2 to Lock 3 in Mechanicville):
 Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet



I:\locations\GIS\Statewide\east\Northwest\NewYork\MSDE\Ch Hudson River_Sediment\MXD\Data\Summary\Reach\Figure 3-6a - Reach 3 Validated PCB Aroclor Sample Results.mxd



Legend

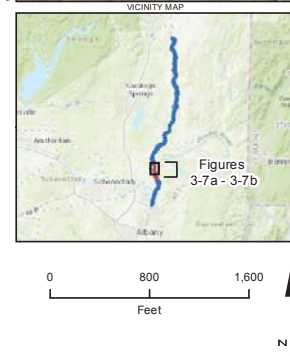
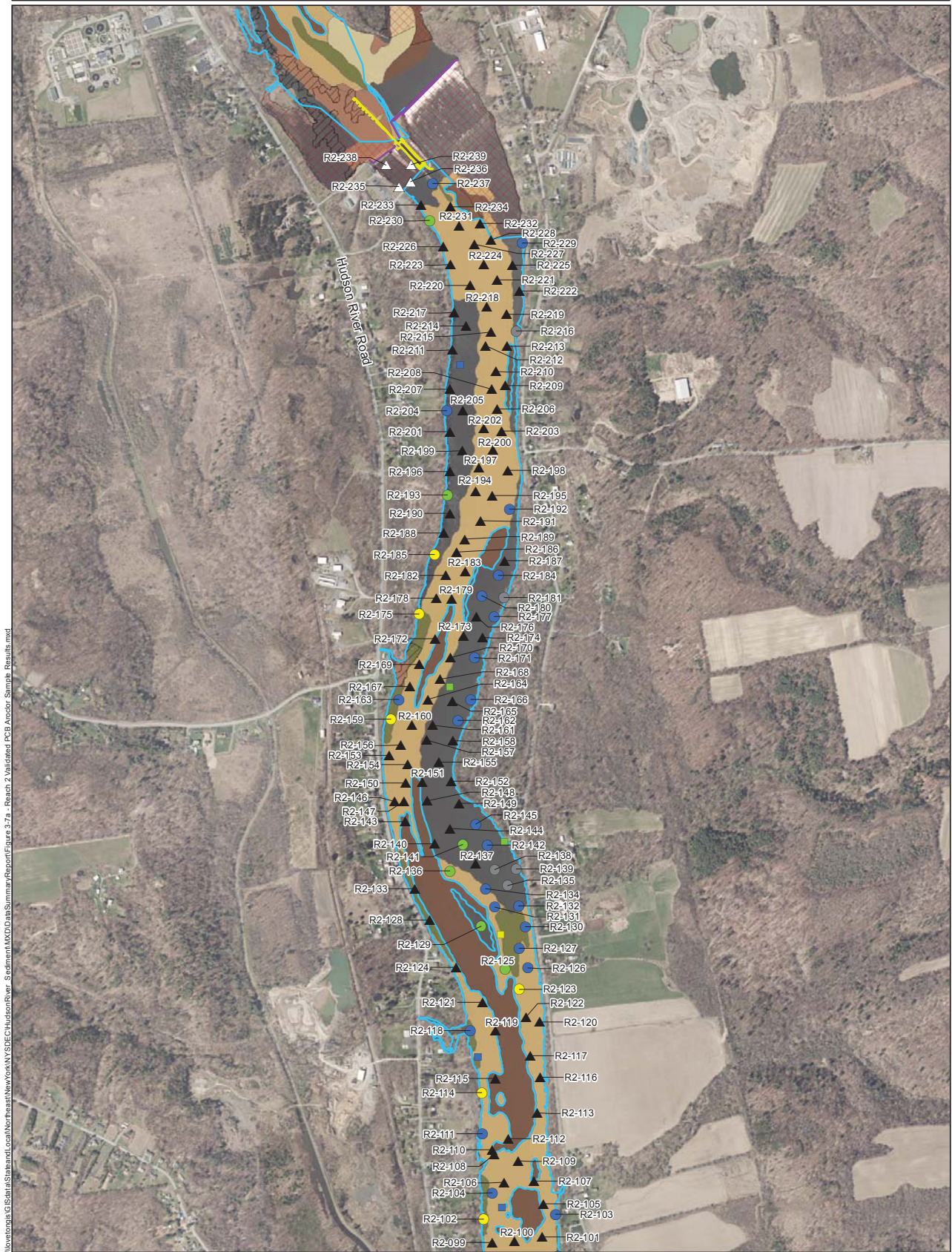
Validated PCB Sample Results	2016 GE PCB Sampling Results	Substrate Type
● PCBs <0.5 ppm	■ PCBs <0.5 ppm	■ Bedrock
● PCBs ≥0.5 and <1.0 ppm	■ PCBs ≥0.5 and <1.0 ppm	■ Gravel
● PCBs ≥1.0 and <5.0 ppm	■ PCBs ≥1.0 and <5.0 ppm	■ Silt
● PCBs ≥5.0 and <10 ppm	■ PCBs ≥5.0 and <10 ppm	■ Silt and Sand
● PCBs ≥10 and <25 ppm	■ PCBs ≥10 and <25 ppm	■ Transitional
● PCBs ≥25 and <50 ppm	■ PCBs ≥25 and <50 ppm	■ Dam
● PCBs ≥50 ppm	■ PCBs ≥50 ppm	■ Lock
● Non-Detect Sample		■ Reach
▲ Abandoned Location		■ Dredged Area
△ Removed Location		■ Inaccessible Area

Figure 3-6b
 Reach 3 (Lock 2 to Lock 3 in Mechanicville):
 Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 12/3/2018
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet



I:\envision\GIS\State\Statehand\Local\NorthEast\NewYork\NYSDEC\HudsonRiver_Sediment\MXD\Docs\Summary\Report\Figure 3-7a - Reach 2\Validated PCB Aroclor_Summary_Results.mxd



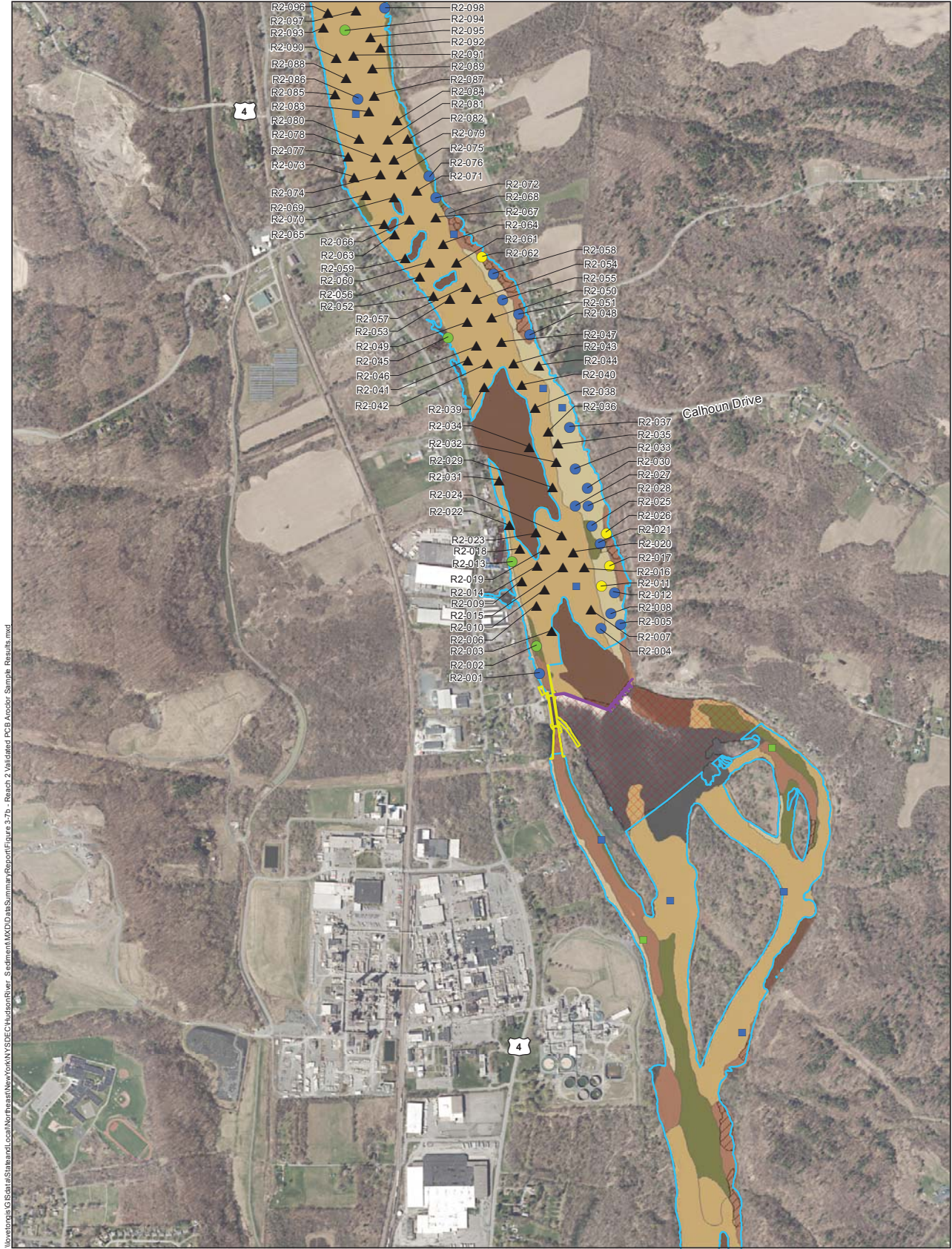
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|--|---|--|
| <p>Validated PCB Sample Results</p> <ul style="list-style-type: none"> ● PCBs <0.5 ppm ● PCBs ≥0.5 and <1.0 ppm ● PCBs ≥1.0 and <5.0 ppm ● PCBs ≥5.0 and <10 ppm ● PCBs ≥10 and <25 ppm ● PCBs ≥25 and <50 ppm ● PCBs ≥50 ppm ● Non-Detect Sample ▲ Abandoned Location △ Removed Location | <p>2016 GE PCB Sampling Results</p> <ul style="list-style-type: none"> ■ PCBs <0.5 ppm ■ PCBs ≥0.5 and <1.0 ppm ■ PCBs ≥1.0 and <5.0 ppm ■ PCBs ≥5.0 and <10 ppm ■ PCBs ≥10 and <25 ppm ■ PCBs ≥25 and <50 ppm ■ PCBs ≥50 ppm | <p>Substrate Type</p> <ul style="list-style-type: none"> ■ Bedrock ■ Gravel ■ Silt ■ Silt and Sand ■ Transitional — Dam — Lock — Reach ▨ Dredged Area ▧ Inaccessible Area |
|--|---|--|

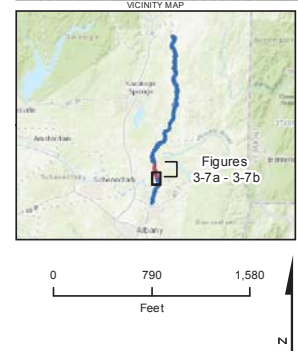
Figure 3-7a
 Reach 2 (Lock 1 to Lock 2 in Mechanicville):
 Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet





I:\projects\GIS\State\StateandLocal\NewYork\NewYork\NYSD\PCB\Sediments\Stations\MXD\Date\Summary\Report\Figure 3-7b - Reach 2\Validated PCB Aroclor Sample Results.mxd



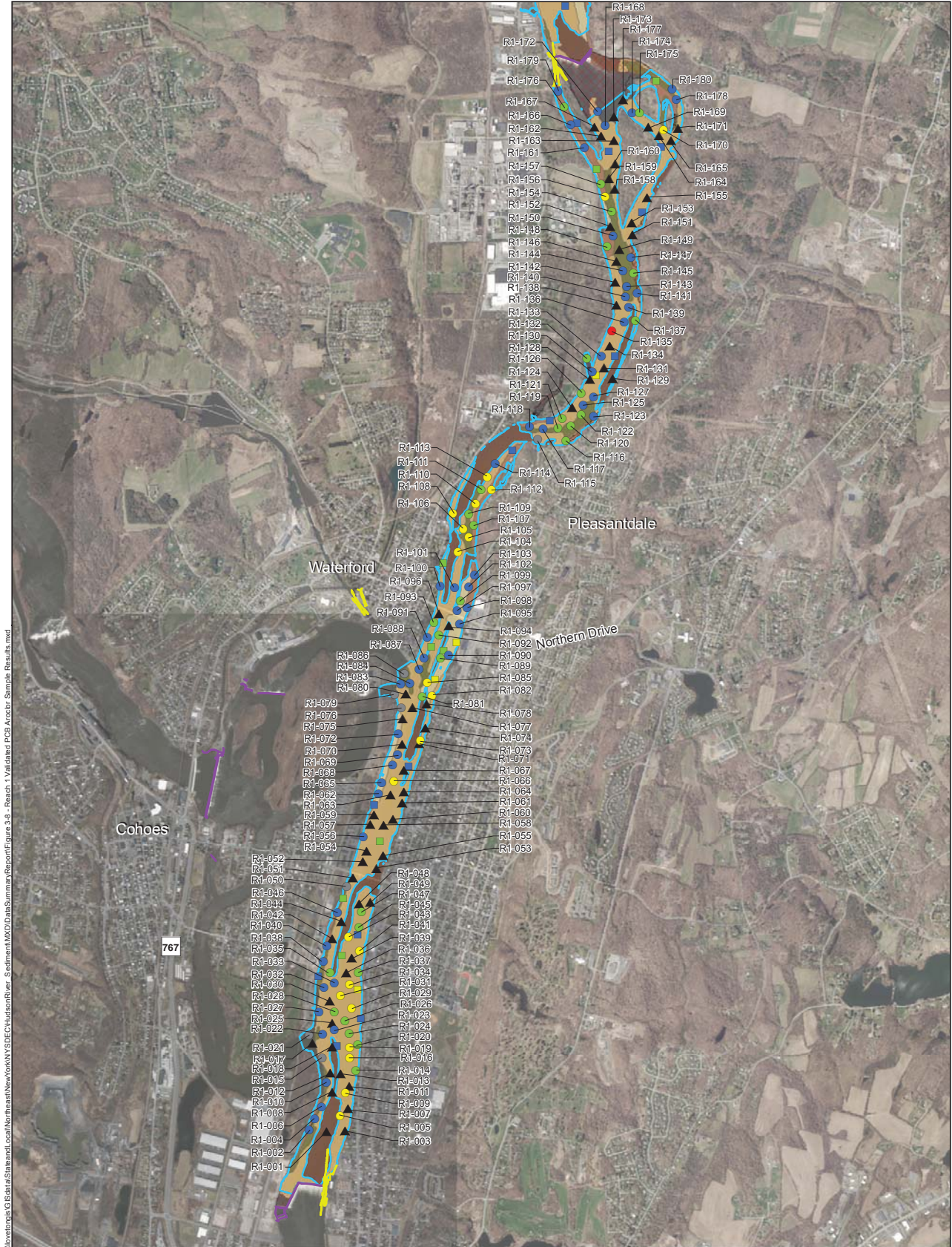
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|--|---|--|
| <p>Validated PCB Sample Results</p> <ul style="list-style-type: none"> ● PCBs <0.5 ppm ● PCBs ≥0.5 and <1.0 ppm ● PCBs ≥1.0 and <5.0 ppm ● PCBs ≥5.0 and <10 ppm ● PCBs ≥10 and <25 ppm ● PCBs ≥25 and <50 ppm ● PCBs ≥50 ppm ● Non-Detect Sample ▲ Abandoned Location △ Removed Location | <p>2016 GE PCB Sampling Results</p> <ul style="list-style-type: none"> ■ PCBs <0.5 ppm ■ PCBs ≥0.5 and <1.0 ppm ■ PCBs ≥1.0 and <5.0 ppm ■ PCBs ≥5.0 and <10 ppm ■ PCBs ≥10 and <25 ppm ■ PCBs ≥25 and <50 ppm ■ PCBs ≥50 ppm | <p>Substrate Type</p> <ul style="list-style-type: none"> ■ Bedrock ■ Gravel ■ Silt ■ Silt and Sand ■ Transitional — Dam — Lock □ Reach ▨ Dredged Area ▩ Inaccessible Area |
|--|---|--|

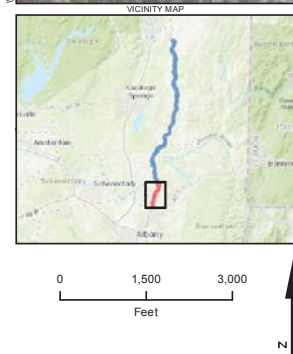
**Reach 2 (Lock 1 to Lock 2 in Mechanicville):
Validated PCB Aroclor Sample Results**
Data Summary Report
Hudson River PCB Sediments OU-2 Site (546031)
Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet





I:\env\GIS\State\Local\NorthEastNewYork\NSDE\ChudsonRiver_Sediment\MXD\Data\Summary\Report\Figure 3-8 - Reach 1 - Validated PCB Aroclor Sample Results.mxd



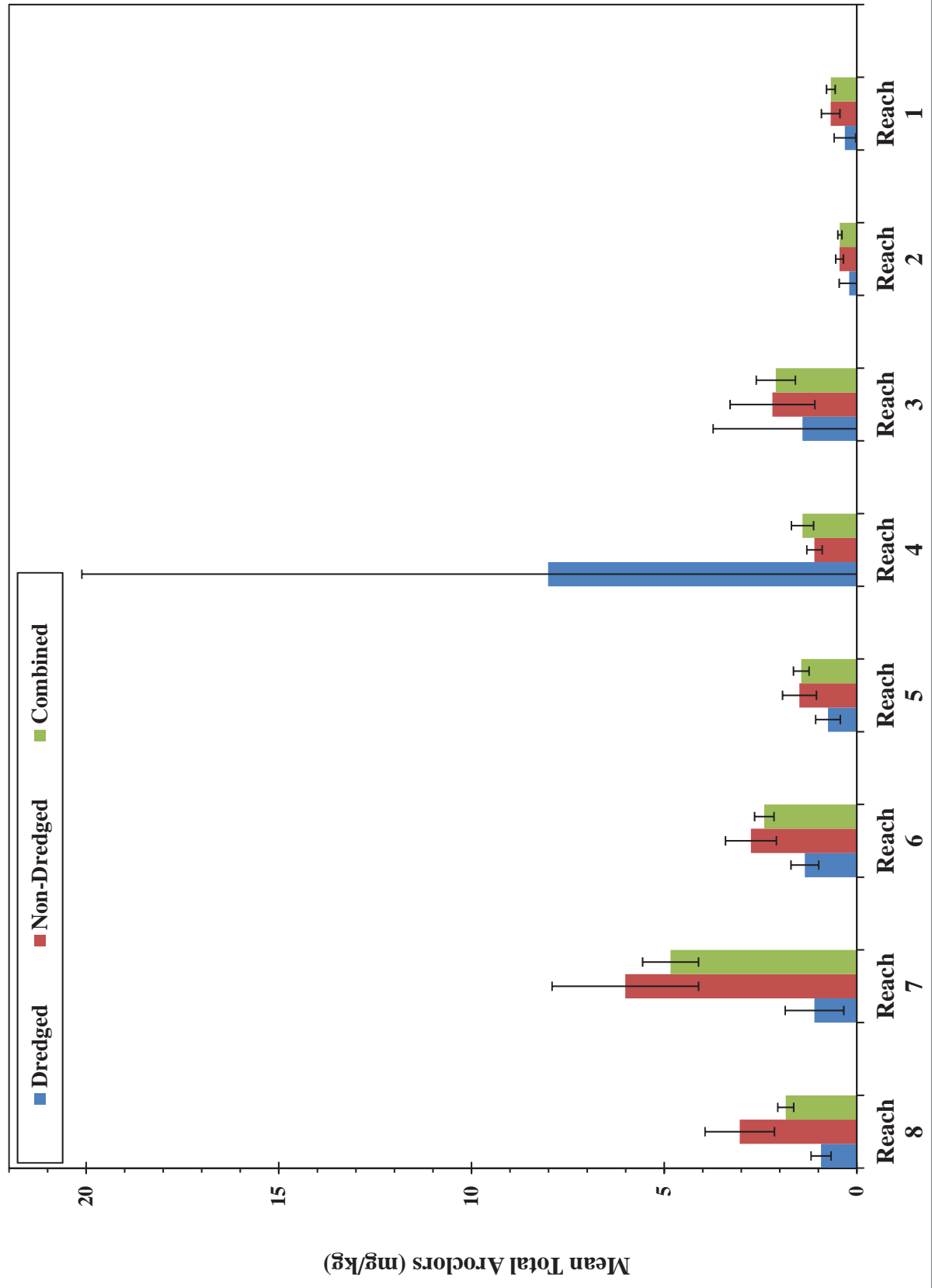
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- | Validated PCB Sample Results | 2016 GE PCB Sampling Results | Substrate Type |
|------------------------------|------------------------------|---------------------|
| ● PCBs <0.5 ppm | ■ PCBs <0.5 ppm | ■ Bedrock |
| ● PCBs ≥0.5 and <1.0 ppm | ■ PCBs ≥0.5 and <1.0 ppm | ■ Gravel |
| ● PCBs ≥1.0 and <5.0 ppm | ■ PCBs ≥1.0 and <5.0 ppm | ■ Silt |
| ● PCBs ≥5.0 and <10 ppm | ■ PCBs ≥5.0 and <10 ppm | ■ Silt and Sand |
| ● PCBs ≥10 and <25 ppm | ■ PCBs ≥10 and <25 ppm | ■ Transitional |
| ● PCBs ≥25 and <50 ppm | ■ PCBs ≥25 and <50 ppm | ■ Dam |
| ● PCBs ≥50 ppm | ■ PCBs ≥50 ppm | ■ Lock |
| ● Non-Detect Sample | | ■ Reach |
| ▲ Abandoned Location | | ■ Dredged Area |
| | | ■ Inaccessible Area |

Figure 3-8
 Reach 1 (Federal Dam at Troy to Lock 1 in Waterford): Validated PCB Aroclor Sample Results
 Data Summary Report
 Hudson River PCB Sediments OU-2 Site (546031)
 Upper Hudson River, New York

Notes:
 Reach polygon does not include areas where there is no access or bedrock.
 Map Date: 3/27/2016
 Source: ESRI, 2011
 Projection: NAD 1983 StatePlane New York East FIPS 3101 Feet

Figure 4-1 Mean Concentrations of Total Aroclors in Recoverable Sediment by Reach and Dredged vs. Non-Dredged. Error bars represent ± 2 standard errors of the mean.



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Tables

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**Table 2-1A Sediment Sample Coordinates and Field Notes,
Reach 8 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R8-001	15.9	103.7	-73.581647	43.191397	Sampled	1	6	Fine	
HR17-OU2-R8-002	14.9	104.7	-73.582716	43.193468	Abandoned	6	2	Coarse	No recovery due to rock in jaws.
HR17-OU2-R8-003	19.5	100.4	-73.585137	43.195916	Sampled	2	8	Coarse	
HR17-OU2-R8-004	14.6	105.3	-73.583392	43.195875	Sampled	1	16.5	Fine	Insect larvae and mussels noted in sample.
HR17-OU2-R8-005	12.1	111.6	-73.585864	43.196482	Sampled	6	15	Fine	
HR17-OU2-R8-006	13.9	106.0	-73.584548	43.196655	Sampled	1	7	Coarse	
HR17-OU2-R8-007	15.7	104.2	-73.583336	43.196641	Sampled	1	24	Fine	Mussels noted in sample.
HR17-OU2-R8-008	12.0	107.9	-73.584854	43.19727	Sampled	5	4	Coarse	Mussels noted in sample.
HR17-OU2-R8-009	9.9	110.0	-73.58293	43.197401	Sampled	2	13	Coarse	
HR17-OU2-R8-010	14.8	104.9	-73.584502	43.198139	Sampled	1	12	Coarse	
HR17-OU2-R8-011	17.0	102.9	-73.583222	43.198106	Sampled	4	4	Coarse	Larvae in sample.
HR17-OU2-R8-012	15.7	104.2	-73.583871	43.198877	Sampled	2	66	Fine	Woody debris present throughout sample.
HR17-OU2-R8-013	14.9	104.6	-73.584281	43.199717	Sampled	4	36	Coarse	
HR17-OU2-R8-014	16.6	102.9	-73.583292	43.199627	Sampled	1	30	Coarse	Clam shell in sample.
HR17-OU2-R8-015	4.4	115.2	-73.582312	43.199528	Sampled	2	18	Coarse	SAV in sample.
HR17-OU2-R8-016	20.6	99.0	-73.583869	43.20037	Sampled	1	NA	NA	
HR17-OU2-R8-017	14.0	105.4	-73.582368	43.200431	Sampled	2	18	Transitional	Sample is composite of grabs 1 and 2 to generate sufficient material to collect congeners and MS/MSD samples.
HR17-OU2-R8-018	18.7	100.9	-73.583271	43.201119	Sampled	2	12	Coarse	Clam shells in sample.
HR17-OU2-R8-019	3.2	116.2	-73.5822	43.201272	Sampled	2	12	Fine	Small insect larvae and algae in sample.
HR17-OU2-R8-020	6.5	112.9	-73.58412	43.201852	Sampled	4	24	Fine	
HR17-OU2-R8-021	5.7	113.6	-73.584417	43.202623	Sampled	1	6	Coarse	Insect larvae and clams in sample.
HR17-OU2-R8-022	21.7	97.9	-73.58346	43.202798	Sampled	5	NA	NA	Woody debris in sample.
HR17-OU2-R8-023	19.4	100.0	-73.582831	43.203374	Abandoned	6	12	Coarse	After 3 unsuccessful grabs, moved to new location ~85 ft. W; no recovery/insufficient material in next three attempts.
HR17-OU2-R8-024	3.1	116.2	-73.584396	43.204119	Sampled	1	18	Fine	Trace SAV in sample.
HR17-OU2-R8-025	7.8	111.5	-73.584978	43.204866	Sampled	3	24	Coarse	
HR17-OU2-R8-026	7.8	111.5	-73.585543	43.205629	Sampled	1	18	Coarse	
HR17-OU2-R8-027	2.9	116.4	-73.584954	43.206407	Sampled	1	24	Fine	
HR17-OU2-R8-028	7.7	111.6	-73.585537	43.207121	Sampled	1	24	Fine	Clam in sample.
HR17-OU2-R8-029	4.1	115.2	-73.584913	43.207866	Sampled	1	24	Coarse	Trace SAV in sample.
HR17-OU2-R8-030	17.4	101.8	-73.579029	43.207817	Sampled	1	6	Transitional	
HR17-OU2-R8-031	4.1	115.2	-73.585495	43.208614	Sampled	2	24	Fine	
HR17-OU2-R8-032	11.2	108.0	-73.57842	43.208554	Sampled	1	12	Coarse	
HR17-OU2-R8-033	7.2	112.1	-73.584881	43.209452	Sampled	4	24	Coarse	Trace SAV and mayfly larvae in sample.
HR17-OU2-R8-034	14.2	105.0	-73.580192	43.209323	Sampled	3	18	Fine	Sample is composite of grabs. Mussels and brick in sample.
HR17-OU2-R8-035	6.2	113.0	-73.577823	43.209303	Sampled	1	30	Fine	
HR17-OU2-R8-036	4.5	114.8	-73.584329	43.210105	Sampled	1	12	Coarse	Organic matter/SAV in sample.
HR17-OU2-R8-037	11.3	107.9	-73.579584	43.210059	Sampled	2	6	Fine	Twigs and leaves in sample.
HR17-OU2-R8-038	13.4	105.9	-73.578399	43.210055	Sampled	1	18	Coarse	Mussels noted in sample.
HR17-OU2-R8-039	3.9	115.4	-73.583803	43.210807	Sampled	2	6	Fine	Could not approach target location due to thick grass bed. Moved sample location ~30 ft. SW of target location.
HR17-OU2-R8-040	8.2	111.0	-73.578982	43.210811	Sampled	1	12	Coarse	Mussels noted in sample.
HR17-OU2-R8-041	8.4	110.9	-73.584293	43.2116	Sampled	1	18	Fine	~250 ft. SW of private dock with boats and sea planes
HR17-OU2-R8-042	9.0	110.2	-73.579568	43.211562	Sampled	1	12	Coarse	Mussels noted in sample; 9 mussels in one grab.
HR17-OU2-R8-043	5.6	113.7	-73.583706	43.212319	Sampled	1	12	Fine	Location ~10 ft. away from dock with sea planes. Woody debris in sample.
HR17-OU2-R8-044	11.2	108.0	-73.580136	43.212315	Sampled	1	2	Transitional	
HR17-OU2-R8-045	12.7	106.5	-73.580723	43.213066	Sampled	2	18	Fine	Mussels and mayfly larvae in sample.
HR17-OU2-R8-046	5.4	113.9	-73.583662	43.213841	Sampled	1	12	Coarse	
HR17-OU2-R8-047	16.7	102.5	-73.581295	43.213823	Sampled	1	24	Coarse	
HR17-OU2-R8-048	9.9	109.5	-73.582226	43.214586	Sampled	4	24	Fine	Grab 1: insufficient material for sample. Grabs 2, 3: rocks caught in jaw, washout.
HR17-OU2-R8-049	5.6	113.8	-73.580328	43.214549	Sampled	4	6	Coarse	Grabs 1-3 empty.
HR17-OU2-R8-050	3.2	117.9	-73.580139	43.215318	Sampled	1	18	Fine	Located ~30 ft. S of outflow pipe.
HR17-OU2-R8-051	11.8	107.6	-73.582215	43.216032	Sampled	4	36	Coarse	
HR17-OU2-R8-052	3.3	116.1	-73.582504	43.216839	Sampled	6	24	Coarse	After 3 unsuccessful grabs, moved to new location ~15 ft. W.
HR17-OU2-R8-053	20.6	98.8	-73.580932	43.216915	Sampled	4	NA	NA	After 3 unsuccessful grabs, moved to new location ~92 ft. E. Location too deep to probe (>20 ft.).
HR17-OU2-R8-054	12.4	106.9	-73.582193	43.217566	Sampled	5	18	Coarse	After 3 unsuccessful grabs moved to new location ~95 ft. W of original location.
HR17-OU2-R8-055	7.1	112.6	-73.580294	43.21759	Sampled	4	24	Coarse	After 3 unsuccessful grabs, moved to new location ~95 ft. E.
HR17-OU2-R8-056	19.4	100.3	-73.583569	43.219826	Sampled	1	24	Coarse	
HR17-OU2-R8-057	15.5	104.2	-73.58239	43.219812	Sampled	3	2	Transitional	Some woody debris in sample.
HR17-OU2-R8-058	3.5	116.2	-73.581042	43.219896	Sampled	6	12	Coarse	Grabs 1, 3: cobbles in jaw. Grab 2 empty; moved to new location.
HR17-OU2-R8-059	13.0	106.7	-73.584444	43.220573	Sampled	4	2	Transitional	
HR17-OU2-R8-060	2.9	116.8	-73.581788	43.220557	Sampled	1	18	Coarse	Small (~1-2mm) insect larvae.

**Table 2-1A Sediment Sample Coordinates and Field Notes,
Reach 8 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R8-061	12.4	107.3	-73.584728	43.221331	Sampled	1	36	Transitional	
HR17-OU2-R8-062	17.7	102.0	-73.583718	43.221308	Abandoned	6	18	Transitional	Minimal to no recovery due to rock in jaws; washout.
HR17-OU2-R8-063	11.2	108.5	-73.585366	43.222079	Sampled	4	6	Coarse	After three unsuccessful grabs moved to new location ~30 ft. E.
HR17-OU2-R8-064	13.6	106.1	-73.584047	43.222019	Abandoned	6	12	Coarse	After 3 unsuccessful grabs, moved to new location ~25 ft. S; no recovery/insufficient material in next three attempts.
HR17-OU2-R8-065	14.9	104.7	-73.584707	43.222826	Sampled	4	12	Fine	After 3 unsuccessful grabs, moved to new location.
HR17-OU2-R8-066	2.9	116.8	-73.583474	43.222901	Abandoned	6	2	Transitional	After 3 unsuccessful grabs, moved ~30 ft. E; no recovery/insufficient material in next three attempts.
HR17-OU2-R8-067	17.6	102.0	-73.585284	43.223577	Sampled	1	12	Coarse	Outfall (pic 1) ~175 ft. E of sample location.
HR17-OU2-R8-068	6.9	112.8	-73.583763	43.223575	Abandoned	6	4	Transitional	After 3 unsuccessful grabs, moved to new location ~90 ft. E; no recovery/insufficient material in next three attempts.
HR17-OU2-R8-069	16.5	103.1	-73.585865	43.224335	Sampled	1	14	Fine	Mayfly and dragonfly larvae in sample.
HR17-OU2-R8-070	12.7	106.9	-73.584666	43.224316	Sampled	2	12	Transitional	Mussels and insect larvae. Sample is composite of grabs 1 and 2.
HR17-OU2-R8-071	4.5	115.1	-73.586442	43.225082	Sampled	1	24	Coarse	Larvae in sampler. ~20 ft. S of private dock boat.
HR17-OU2-R8-072	12.7	106.9	-73.584082	43.225068	Sampled	1	3	Coarse	
HR17-OU2-R8-073	17.3	102.4	-73.585844	43.225828	Sampled	1	12	Transitional	
HR17-OU2-R8-074	14.3	105.3	-73.584662	43.225819	Sampled	1	14	Fine	Mussels noted in sample.
HR17-OU2-R8-075	8.5	111.1	-73.58642	43.22658	Sampled	3	12	Fine	Noted 7 mussels and small insects in sample.
HR17-OU2-R8-076	9.8	109.8	-73.587006	43.227331	Sampled	1	8	Coarse	
HR17-OU2-R8-077	17.3	102.3	-73.58582	43.227325	Sampled	1	18	Transitional	Cobbles in sample.
HR17-OU2-R8-078	9.2	110.4	-73.587578	43.228087	Sampled	1	30	Coarse	Private dock and boat ~30 ft. SW of location.
HR17-OU2-R8-079	17.4	102.3	-73.586401	43.228076	Sampled	1	3	Fine	
HR17-OU2-R8-080	3.4	116.2	-73.585221	43.228068	Sampled	1	12	Fine	
HR17-OU2-R8-081	11.0	108.7	-73.58816	43.228836	Sampled	2	24	Fine	Grab 1: washout, load rejected.
HR17-OU2-R8-082	16.5	103.2	-73.586982	43.228826	Sampled	2	12	Transitional	Sample is composite of grabs 1 and 2.
HR17-OU2-R8-083	4.7	115.0	-73.585847	43.228838	Sampled	1	12	Fine	Leafy debris and dragonfly larvae in sample.
HR17-OU2-R8-084	17.8	101.9	-73.588734	43.229593	Sampled	1	30	Fine	
HR17-OU2-R8-085	20.0	99.7	-73.587559	43.22958	Sampled	1	NA	NA	One mussel and trace organic matter in sample.
HR17-OU2-R8-086	24.1	95.6	-73.589318	43.230344	Sampled	1	NA	NA	Location too deep to probe (>20 ft.).
HR17-OU2-R8-087	7.8	111.9	-73.588141	43.230335	Sampled	3	2	Coarse	Larvae in sample.
HR17-OU2-R8-088	3.2	116.5	-73.592564	43.230988	Sampled	4	4	Coarse	
HR17-OU2-R8-089	16.1	103.6	-73.589899	43.231096	Sampled	1	12	Fine	
HR17-OU2-R8-090	6.5	113.2	-73.588725	43.231085	Sampled	1	24	Fine	Small insect larvae in sample.
HR17-OU2-R8-091	17.6	102.2	-73.592842	43.231869	Sampled	1	30	Coarse	
HR17-OU2-R8-092	15.6	104.2	-73.591663	43.23186	Sampled	2	3	Transitional	Grab 1: depth of recovery 1 in.; not enough for sample.
HR17-OU2-R8-093	5.2	114.4	-73.590476	43.231851	Sampled	2	12	Fine	Sample is composite of grabs 1 & 2 to generate sufficient material for regular sample, congeners, and field duplicate.
HR17-OU2-R8-094	12.9	106.7	-73.594598	43.232634	Sampled	3	12	Transitional	Culvert ~200 ft. SE of sample location. Sample composite of grabs 1 and 3.
HR17-OU2-R8-095	12.6	107.0	-73.59342	43.232621	Sampled	1	18	Coarse	
HR17-OU2-R8-096	11.7	107.9	-73.591056	43.232601	Sampled	3	18	Fine	Grab 1 collected, significant amounts of woody debris. Grab 2: gravel in jaw, washout.
HR17-OU2-R8-097	17.0	102.5	-73.595179	43.233384	Sampled	2	30	Coarse	Sample is composite of grabs 1 and 2.
HR17-OU2-R8-098	8.2	111.4	-73.593994	43.233375	Sampled	1	12	Transitional	SAV in sample.
HR17-OU2-R8-099	5.6	118.2	-73.592615	43.233531	Sampled	6	36	Fine	Grabs 1-3 (pics 1-3) primarily woody debris. Grab 4 (pic 4): gravel caught in jaw, washout.
HR17-OU2-R8-100	3.2	116.4	-73.591646	43.233352	Sampled	1	6	Fine	Organic matter in sample.
HR17-OU2-R8-101	9.6	110.0	-73.594566	43.234129	Sampled	3	14	Coarse	
HR17-OU2-R8-102	3.6	116.0	-73.593414	43.234114	Sampled	2	24	Fine	
HR17-OU2-R8-103	2.9	116.7	-73.592049	43.234197	Sampled	5	36	Fine	Trace organic matter in sample.
HR17-OU2-R8-104	17.6	102.0	-73.596096	43.234958	Sampled	4	18	Fine	Grabs 1-3: rocks caught in jaws, washout.
HR17-OU2-R8-105	13.2	107.0	-73.595373	43.234816	Sampled	6	18	Coarse	After three unsuccessful grabs, moved to new location ~58 ft. E.
HR17-OU2-R8-106	4.8	115.3	-73.59397	43.234875	Sampled	2	3	Coarse	Organic matter (leaves, twigs) in sample. Sample is composite of grabs 1 and 2.
HR17-OU2-R8-107	17.5	102.7	-73.596054	43.235584	Sampled	5	24	Coarse	After 3 unsuccessful grabs, moved ~85 ft. E of original location.
HR17-OU2-R8-108	5.8	114.3	-73.594554	43.235622	Sampled	2	18	Transitional	Grab 1: gravel caught in jaw causing washout.
HR17-OU2-R8-109	16.3	103.8	-73.596319	43.236381	Sampled	2	24	Transitional	
HR17-OU2-R8-110	8.6	111.5	-73.595144	43.236376	Sampled	1	12	Coarse	Mayfly larvae in sample.
HR17-OU2-R8-111	11.4	108.8	-73.596902	43.237139	Sampled	1	18	Coarse	
HR17-OU2-R8-112	16.3	103.9	-73.595718	43.237121	Sampled	1	8	Coarse	
HR17-OU2-R8-113	2.9	117.3	-73.597399	43.237903	Sampled	1	12	Fine	Mayfly in sample. ~100 ft. S of private dock with small boat.
HR17-OU2-R8-114	16.6	100.8	-73.596294	43.237878	Sampled	1	12	Fine	
HR17-OU2-R8-115	16.8	103.3	-73.596874	43.238635	Sampled	3	1	Transitional	
HR17-OU2-R8-116	8.3	111.8	-73.595697	43.238625	Sampled	1	24	Coarse	Sample is composite of grabs 1 and 2. MS/MSD with congeners sample collected.
HR17-OU2-R8-117	17.8	102.3	-73.596277	43.239374	Sampled	1	18	Coarse	
HR17-OU2-R8-118	15.3	104.9	-73.596682	43.240128	Sampled	5	8	Transitional	After 3 unsuccessful grabs, moved to new location ~51 ft. E of original location.
HR17-OU2-R8-119	3.5	116.6	-73.598768	43.24083	Sampled	4	12	Coarse	After 3 unsuccessful grabs, moved ~50 ft. E.
HR17-OU2-R8-120	8.9	111.3	-73.59625	43.240874	Sampled	3	3	Transitional	Insects in sample.

**Table 2-1A Sediment Sample Coordinates and Field Notes,
Reach 8 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R8-121	17.7	102.5	-73.596836	43.241625	Sampled	1	18	Coarse	
HR17-OU2-R8-122	5.9	114.3	-73.598589	43.242391	Sampled	1	12	Transitional	Trace plant matter in sample.
HR17-OU2-R8-123	15.5	104.7	-73.597406	43.242381	Sampled	1	1	Rock	Probing indicated cobble.
HR17-OU2-R8-124	9.4	110.8	-73.597982	43.243132	Sampled	1	24	Coarse	
HR17-OU2-R8-125	19.3	100.9	-73.596812	43.243124	Sampled	1	24	Coarse	
HR17-OU2-R8-126	5.7	114.5	-73.598567	43.243895	Sampled	1	3	Fine	
HR17-OU2-R8-127	10.4	109.8	-73.596213	43.243869	Sampled	1	18	Coarse	
HR17-OU2-R8-128	8.0	112.2	-73.59797	43.244633	Sampled	1	36	Fine	
HR17-OU2-R8-129	16.0	104.2	-73.596788	43.244615	Sampled	1	11	Transitional	
HR17-OU2-R8-130	8.2	112.0	-73.595605	43.244614	Sampled	1	12	Coarse	
HR17-OU2-R8-131	7.7	112.5	-73.597377	43.245363	Sampled	2	18	Fine	Grab 1: SAV in jaws causing runoff, load rejected. Trace SAV.
HR17-OU2-R8-132	14.8	105.3	-73.596188	43.245364	Sampled	2	12	Transitional	Insects in sample. Sample is composite of grabs 1 and 2.
HR17-OU2-R8-133	8.4	111.7	-73.595003	43.245348	Sampled	3	36	Coarse	Composite of grabs 1 and 3 in sample.
HR17-OU2-R8-134	6.0	114.1	-73.596703	43.246099	Sampled	1	28	Fine	
HR17-OU2-R8-135	10.5	109.6	-73.594414	43.246091	Sampled	2	15	Fine	Sample is composite of grabs 1 & 2. Woody debris, insect, and mussels in sample.
HR17-OU2-R8-136	3.7	116.4	-73.596161	43.246859	Sampled	4	20	Fine	After three grabs with primarily SAV, moved to new location.
HR17-OU2-R8-137	7.6	112.5	-73.595283	43.246921	Sampled	4	10	Transitional	After 3 grabs with cobbles in jaws, moved to new location ~90ft W from original location.
HR17-OU2-R8-138	15.2	104.9	-73.593801	43.246837	Sampled	2	24	Coarse	Grab 1: Washout due to gravel in jaws.
HR17-OU2-R8-139	5.2	114.9	-73.595561	43.247605	Sampled	1	28	Fine	
HR17-OU2-R8-140	9.8	110.3	-73.594368	43.24759	Sampled	2	8	Transitional	Grab 1: pebble caught in jaw. Mussels noted in sample.
HR17-OU2-R8-141	3.1	118.7	-73.594978	43.248349	Sampled	1	6	Coarse	
HR17-OU2-R8-142	17.9	102.2	-73.592605	43.248322	Sampled	1	43	Fine	Small clamshells in sample.
HR17-OU2-R8-143	4.0	116.1	-73.593907	43.248822	Sampled	1	18	Coarse	
HR17-OU2-R8-144	18.2	101.9	-73.591993	43.249073	Sampled	2	36	Fine	
HR17-OU2-R8-145	7.2	112.9	-73.592587	43.249816	Sampled	1	20	Coarse	
HR17-OU2-R8-146	17.8	102.3	-73.591385	43.249805	Sampled	3	12	Fine	Grabs 1 and 2: gravel in jaws causing washout.
HR17-OU2-R8-147	16.8	103.3	-73.591705	43.250518	Sampled	1	24	Transitional	
HR17-OU2-R8-148	18.2	101.9	-73.59079	43.250556	Sampled	6	18	Transitional	Trace woody debris and caddis fly larvae in sample.
HR17-OU2-R8-149	18.3	101.8	-73.590188	43.251299	Sampled	2	26	Transitional	
HR17-OU2-R8-150	19.1	101.0	-73.589594	43.252028	Sampled	3	4	Transitional	Sample is composite of grabs 1 and 3.
HR17-OU2-R8-151	9.1	111.0	-73.588418	43.252025	Sampled	3	24	Coarse	Sample is composite of grabs 2 and 3.
HR17-OU2-R8-152	16.1	104.0	-73.588984	43.252788	Sampled	1	12	Coarse	
HR17-OU2-R8-153	8.2	110.3	-73.587806	43.25277	Sampled	2	10	Fine	Two grabs taken to collect sufficient material for sample.
HR17-OU2-R8-154	13.7	106.4	-73.588379	43.253529	Sampled	1	28	Transitional	
HR17-OU2-R8-155	8.1	110.7	-73.58719	43.253453	Abandoned	6	4	Transitional	After 3 empty grabs, moved to new location ~24 ft. S; no recovery/insufficient material in next three attempts.
HR17-OU2-R8-156	12.5	107.6	-73.587787	43.254272	Sampled	3	18	Fine	Location ~30 ft. from public boat launch.
HR17-OU2-R8-157	6.2	110.1	-73.586317	43.25441	Abandoned	6	2	Transitional	After 3 empty grabs, moved to new location ~33 ft. away; no recovery/insufficient material in next three attempts. Remnants of old dock ~30 ft. Mussels noted in grabs.
HR17-OU2-R8-158	3.1	118.5	-73.587304	43.25518	Sampled	5	14	Fine	After 3 unsuccessful grabs with cobbles caught in jaws, moved to new location ~71 ft. W of original location, very close to shore.
HR17-OU2-R8-159	7.0	112.1	-73.585815	43.254945	Sampled	6	8	Fine	After 3 empty grabs, moved to new location ~55ft E of original location.
HR17-OU2-R8-160	20.0	100.1	-73.586587	43.255752	Sampled	3	NA	NA	Location too deep to probe (20.43 ft.).
HR17-OU2-R8-161	22.5	97.6	-73.585392	43.255751	Sampled	3	NA	NA	~200 ft. from lock 7 entrance, ~100 ft. from public dock/fishing area. Location too deep to probe (22.18 ft.).
HR17-OU2-R8-162	14.2	104.7	-73.585959	43.256483	Sampled	3	6	Transitional	1st grab empty, cobble in jaw of grab 2.
HR17-OU2-R8-163	16.0	104.1	-73.584811	43.25649	Sampled	1	35	Transitional	Crayfish and small aquatic invertebrate in sample.
HR17-OU2-R8-164	15.1	105.0	-73.586563	43.25726	Sampled	2	10	Transitional	Grab 1 - wood and rock caught in jaws.
HR17-OU2-R8-165	18.0	99.8	-73.584195	43.257229	Sampled	1	6	Transitional	insect on sampler.
HR17-OU2-R8-166	9.5	110.6	-73.58715	43.257947	Sampled	4	13	Transitional	Grab 1 did not have sufficient material for sample, grab 2 and 3 had cobble stuck in jaw. Moved to new location ~21 ft. S.
HR17-OU2-R8-167	16.7	103.4	-73.583593	43.257978	Abandoned	6	5	Transitional	After 3 empty/washed-out grabs due to rock/wood in jaws, moved to new location ~80 ft. E; no recovery/insufficient material in next three attempts.
HR17-OU2-R8-168	6.0	113.3	-73.587724	43.25877	Sampled	3	12	Transitional	
HR17-OU2-R8-169	8.5	111.5	-73.586551	43.258761	Sampled	2	5	Transitional	
HR17-OU2-R8-170	3.7	115.6	-73.582985	43.258722	Sampled	2	32	Fine	
HR17-OU2-R8-171	12.0	108.0	-73.587104	43.259512	Sampled	1	18	Coarse	insect in sample.
HR17-OU2-R8-172	16.5	103.7	-73.58356	43.259477	Sampled	1	10	Coarse	
HR17-OU2-R8-173	9.8	110.2	-73.587691	43.260252	Sampled	2	30	Coarse	
HR17-OU2-R8-174	4.4	111.3	-73.58651	43.260246	Sampled	1	26	Fine	Downstream of submerged tree/log.
HR17-OU2-R8-175	9.9	110.1	-73.58827	43.26101	Sampled	1	36	Fine	
HR17-OU2-R8-176	13.7	105.7	-73.583551	43.260971	Sampled	1	4	Transitional	Trace plant matter in sample.
HR17-OU2-R8-177	7.8	112.3	-73.588852	43.261767	Sampled	2	30	Fine	Trace SAV.
HR17-OU2-R8-178	15.1	104.0	-73.584131	43.261725	Sampled	2	6	Coarse	insect in sample.
HR17-OU2-R8-179	4.6	114.7	-73.58415	43.263033	Sampled	5	30	Coarse	After first three attempts were unsuccessful, moved ~40 ft. E.
HR17-OU2-R8-180	3.9	114.2	-73.589946	43.263279	Sampled	1	12	Fine	Target location on land.

**Table 2-1A Sediment Sample Coordinates and Field Notes,
Reach 8 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R8-181	11.0	109.3	-73.588828	43.263262	Sampled	1	36	Coarse	Approx. 200 ft. downstream of RR bridge.
HR17-OU2-R8-182	3.4	117.6	-73.587656	43.263244	Sampled	2	24	Coarse	Roots and leaves in sample. 2 grabs to generate sufficient material for field dup with congeners sample. Light sheen on water in grab.
HR17-OU2-R8-183	9.2	112.3	-73.590589	43.264017	Sampled	2	6	Transitional	Grab 1: washout. insects in sample.
HR17-OU2-R8-184	6.2	110.7	-73.589407	43.264006	Sampled	1	12	Coarse	
HR17-OU2-R8-185	2.9	116.6	-73.58823	43.264004	Sampled	1	18	Coarse	
HR17-OU2-R8-186	7.3	113.1	-73.591174	43.264774	Sampled	2	6	Transitional	
HR17-OU2-R8-187	9.2	111.2	-73.589971	43.264754	Sampled	2	2	Transitional	
HR17-OU2-R8-188	16.1	104.1	-73.585271	43.264727	Sampled	3	0	Transitional	Grab 1 did not have sufficient material for a sample. Sample is composite of grabs 1 through 3. Mussels noted in sample.
HR17-OU2-R8-189	6.9	106.5	-73.585322	43.265072	Abandoned	6	0	Rock	After 3 unsuccessful grabs, moved to new location ~70 ft. SW; no recovery/insufficient material in next three attempts. Probing indicated bedrock.
HR17-OU2-R8-190	5.4	115.0	-73.59175	43.265526	Sampled	2	6	Transitional	Observable plant life in grab sample.
HR17-OU2-R8-191	8.7	111.7	-73.590577	43.265512	Sampled	6	8	Transitional	Green eggs on cobbles. After 3 unsuccessful attempts, moved to new location ~25 ft. S.
HR17-OU2-R8-192	2.9	117.3	-73.585975	43.265504	Sampled	4	4	Coarse	After 3 unsuccessful grabs, moved ~37 ft. W. new location ~20 ft. from railroad bridge.
HR17-OU2-R8-193	6.0	114.4	-73.585696	43.266307	Abandoned	6	0	Rock	After 3 unsuccessful grabs due to rock in jaws, moved to new location ~70 ft. E; no recovery/insufficient material in next three attempts. Probing indicated bedrock.
HR17-OU2-R8-194	2.2	116.4	-73.593522	43.266289	Sampled	3	14	Coarse	Larvae in sample.
HR17-OU2-R8-195	5.9	112.2	-73.592336	43.266277	Sampled	1	8	Transitional	Fast current.
HR17-OU2-R8-196	3.8	116.6	-73.591159	43.266261	Sampled	2	2	Coarse	Cobble caught in grab 1, load rejected
HR17-OU2-R8-197	6.9	113.5	-73.585969	43.266617	Sampled	3	8	Transitional	Sample is composite of grabs 1 and 2. Underneath bridge.
HR17-OU2-R8-198	2.8	115.8	-73.593948	43.267174	Abandoned	6	1	Transitional	After 3 grabs with washout, moved ~47 ft. NE; no recovery/insufficient material in next three attempts.
HR17-OU2-R8-199	5.7	112.3	-73.592928	43.26703	Sampled	3	2	Transitional	Trace SAV in sample. Sample is composite of grabs 1 and 3. Grab 2 had washout due to cobble in jaw.
HR17-OU2-R8-200	3.2	117.2	-73.591725	43.26716	Sampled	4	12	Transitional	First 3 grabs had cobble stuck in jaws. Moved to new location ~150 ft. off public beach.
HR17-OU2-R8-201	5.6	114.8	-73.585857	43.266975	Sampled	3	0	Transitional	Crayfish and insect in sample. Sample is composite of grabs 1-3.
HR17-OU2-R8-202	NA	NA	-73.595854	43.267802	Removed	0	NA	NA	Not accessible due to shallow, rocky, and swift waters. Sampling not attempted at this location.
HR17-OU2-R8-203	NA	NA	-73.594672	43.267793	Removed	0	NA	NA	Not accessible due to shallow, rocky, and swift waters. Sampling not attempted at this location.
HR17-OU2-R8-204	1.9	116.7	-73.593423	43.267884	Abandoned	6	0	Rock	After 3 grabs with washout, moved ~41 ft. NE of original location; no recovery/insufficient material in next three attempts. Probing indicated bedrock.
HR17-OU2-R8-205	4.7	118.0	-73.591442	43.267714	Sampled	1	32	Coarse	
HR17-OU2-R8-206	4.9	115.5	-73.588681	43.267712	Sampled	1	42	Coarse	
HR17-OU2-R8-207	13.0	107.4	-73.587573	43.26773	Sampled	3	30	Coarse	Small insects in sampler. Sample is composite of grabs 1-3. MS/MSD with congeners collected.
HR17-OU2-R8-208	5.3	115.1	-73.589496	43.268076	Sampled	2	16	Transitional	Sample is composite of grabs and 2.
HR17-OU2-R8-209	3.8	116.6	-73.59178	43.26816	Abandoned	6	2	Transitional	After 3 unsuccessful grabs moved to new location ~54 ft. E; no recovery/insufficient material in next three attempts. Fast current.
HR17-OU2-R8-210	NA	NA	-73.595252	43.268546	Removed	0	NA	NA	Not accessible due to shallow, rocky, and swift waters. Sampling not attempted at this location.
HR17-OU2-R8-211	NA	NA	-73.59407	43.268537	Removed	0	NA	NA	Not accessible due to shallow, rocky, and swift waters. Sampling not attempted at this location.
HR17-OU2-R8-212	5.5	117.0	-73.589333	43.268493	Sampled	1	38	Fine	Underwater discharge pipe ~20ft downstream from location. Thick SAV ~3 ft. upstream.

Note:
1. In the event that after three attempts a sample could not be collected from the original target location, the field crew attempted to sample at a location within a 100-ft radius of the original target location. A sample location was abandoned after six failed attempts. Coordinates were recorded for the sampled location; the coordinates for the abandoned/removed locations are the original target points.
NA = Not applicable.
SAV = Submerged aquatic vegetation.

**Table 2-1B Sediment Sample Coordinates and Field Notes,
Reach 7 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R7-001	6.1	108.9	-73.584058	43.165237	Abandoned	6	0	Rock	After 3 empty grabs, moved to new sample location ~92 ft. W; no recovery/insufficient material in next three attempts. Probing indicated bedrock.
HR17-OU2-R7-002	11.7	103.4	-73.583333	43.165869	Abandoned	6	0	Rock	After 3 unsuccessful grabs, moved to new location ~75 ft. SW; no recovery/insufficient material in next three attempts. Probing indicated bedrock.
HR17-OU2-R7-003	25.2	89.8	-73.588761	43.167251	Sampled	1	NA	NA	Location too deep to probe (>20 ft.).
HR17-OU2-R7-004	16.4	98.5	-73.587879	43.167222	Sampled	1	30	Coarse	Mayfly larvae noted in sample.
HR17-OU2-R7-005	5.8	109.2	-73.586964	43.167223	Sampled	1	18	Fine	Woody debris in sample.
HR17-OU2-R7-006	9.9	105.1	-73.58342	43.167194	Sampled	2	18	Fine	Sample is composite of grabs 1 and 2.
HR17-OU2-R7-007	1.5	118.8	-73.579808	43.167167	Sampled	6	2	Coarse	Large/live mussels noted in sample.
HR17-OU2-R7-008	20.9	94.1	-73.589194	43.16782	Sampled	1	NA	NA	Location too deep to probe (>20 ft.).
HR17-OU2-R7-009	12.1	102.8	-73.588294	43.167807	Sampled	1	18	Fine	Woody debris and small insect larvae in sample.
HR17-OU2-R7-010	18.0	97.0	-73.589606	43.168377	Sampled	1	18	Coarse	
HR17-OU2-R7-011	17.5	97.5	-73.588789	43.16837	Sampled	1	18	Coarse	
HR17-OU2-R7-012	14.9	105.4	-73.579792	43.168383	Sampled	2	3	Rock	First grab did not trip the sampler. Benthic invertebrates and mussels present in sample. Probing substrate may have been incorrectly recorded.
HR17-OU2-R7-013	20.8	94.1	-73.59009	43.168942	Sampled	1	NA	NA	Location too deep to probe (>20 ft.). Mussels noted in sample.
HR17-OU2-R7-014	13.9	101.0	-73.589179	43.16895	Sampled	2	24	Coarse	Grab 1: pebble caught in jaw, washout.
HR17-OU2-R7-015	12.4	102.5	-73.590484	43.16951	Sampled	2	33	Fine	
HR17-OU2-R7-016	10.9	104.1	-73.58963	43.169512	Sampled	1	30	Fine	Little woody debris in sample.
HR17-OU2-R7-017	12.5	102.5	-73.588683	43.16949	Sampled	1	18	Coarse	
HR17-OU2-R7-018	12.2	108.0	-73.579933	43.169284	Sampled	3	2	Coarse	No recovery in first two samples due to rocks caught in jaws. Mussels noted in sample.
HR17-OU2-R7-019	16.1	98.8	-73.590101	43.17008	Sampled	1	19	Coarse	
HR17-OU2-R7-020	2.9	112.1	-73.589162	43.170059	Sampled	3	36	Coarse	Pebble/wood caught in jaws of first two grabs causing washout. Mussels noted in sample.
HR17-OU2-R7-021	7.5	107.5	-73.590468	43.170667	Sampled	1	12	Fine	Target location on land. SAV in sample.
HR17-OU2-R7-022	10.6	104.3	-73.589586	43.170654	Sampled	1	24	Coarse	
HR17-OU2-R7-023	5.5	109.5	-73.588701	43.170631	Sampled	1	36	Coarse	Mayfly larvae in sample.
HR17-OU2-R7-024	10.3	104.7	-73.58781	43.170611	Sampled	2	8	Coarse	Minimal recovery in first sample due to wood in jaws. Mussels noted in sample.
HR17-OU2-R7-025	13.1	107.1	-73.579834	43.170724	Sampled	4	1	Coarse	No recovery in first three samples due to rocks caught in jaws.
HR17-OU2-R7-026	6.0	108.9	-73.589133	43.171194	Sampled	1	36	Coarse	Trace woody debris in sample.
HR17-OU2-R7-027	4.7	110.2	-73.58825	43.171191	Sampled	2	12	Coarse	Mayfly larvae noted in sample.
HR17-OU2-R7-028	9.3	105.7	-73.587366	43.171167	Sampled	1	36	Coarse	Mussels and mayfly larvae in sample.
HR17-OU2-R7-029	4.1	114.0	-73.5887	43.171789	Sampled	1	18	Fine	Woody debris, mayfly larvae in sample. Target location on land.
HR17-OU2-R7-030	3.7	111.3	-73.587798	43.17176	Sampled	2	30	Coarse	Rock caught in jaws of first grab causing washout.
HR17-OU2-R7-031	7.0	107.9	-73.586917	43.171729	Sampled	2	24	Coarse	Wood caught in jaws of first grab causing washout.
HR17-OU2-R7-032	14.2	105.5	-73.579765	43.171648	Sampled	1	12	Fine	
HR17-OU2-R7-033	13.0	101.9	-73.590041	43.172335	Sampled	3	36	Fine	Washout noted in first two grabs; loads rejected. Mussels noted in sample.
HR17-OU2-R7-034	11.1	103.8	-73.589132	43.172308	Sampled	1	36	Coarse	Trace woody debris in sample.
HR17-OU2-R7-035	4.5	110.4	-73.587332	43.172316	Sampled	1	36	Coarse	
HR17-OU2-R7-036	13.4	101.6	-73.589562	43.17285	Sampled	5	36	Fine	SAV, inflatable tube, and wood in jaw causing washout. Mussels noted in sample.
HR17-OU2-R7-037	3.6	112.9	-73.586916	43.172848	Sampled	1	28	Coarse	Netting on bottom of river at target location, sample location is ~12 ft. away from target location. Insect larvae noted in sample.
HR17-OU2-R7-038	7.8	107.1	-73.586003	43.172858	Sampled	1	36	Coarse	Mussels noted in sample.
HR17-OU2-R7-039	15.7	104.0	-73.579595	43.172869	Sampled	3	3	Transitional	
HR17-OU2-R7-040	11.5	103.4	-73.589113	43.173457	Sampled	1	18	Fine	
HR17-OU2-R7-041	3.4	112.9	-73.587436	43.173393	Sampled	1	30	Fine	Mussels noted in sample.
HR17-OU2-R7-042	1.0	113.9	-73.586457	43.173413	Sampled	3	6	Coarse	Minimal to no recovery in first two attempts due to wood/roots in jaws.
HR17-OU2-R7-043	6.1	108.8	-73.585694	43.173442	Sampled	4	36	Coarse	Grabs 1-3 insufficient material for sample. After 3 unsuccessful grabs, moved to new location ~43 ft. W.
HR17-OU2-R7-044	11.6	103.3	-73.588644	43.173999	Sampled	2	36	Fine	Sample is composite of grabs 1 and 2. Some organic material in both grabs. Mussels noted in sample.
HR17-OU2-R7-045	11.0	103.9	-73.587741	43.174008	Sampled	2	16	Fine	Large piece of wood in sample. Mussels in jaw of first attempt.
HR17-OU2-R7-046	3.6	111.3	-73.586813	43.174007	Sampled	2	36	Fine	Target location in thick SAV bed, sample location is ~13 ft. E to avoid disturbing vegetation.
HR17-OU2-R7-047	2.3	112.6	-73.585973	43.173995	Sampled	1	20	Coarse	
HR17-OU2-R7-048	11.2	103.7	-73.588244	43.174587	Sampled	1	24	Coarse	
HR17-OU2-R7-049	11.7	103.2	-73.587287	43.174568	Sampled	1	24	Coarse	
HR17-OU2-R7-050	1.5	113.4	-73.585546	43.174543	Sampled	1	36	Coarse	
HR17-OU2-R7-051	7.2	107.7	-73.58464	43.174538	Sampled	2	17	Transitional	Mussels and insects. Sample is composite of grabs 1 and 2.
HR17-OU2-R7-052	13.5	106.2	-73.579406	43.174497	Sampled	1	12	Fine	
HR17-OU2-R7-053	3.5	111.4	-73.587737	43.17515	Sampled	1	36	Coarse	
HR17-OU2-R7-054	14.3	100.6	-73.586843	43.1751	Sampled	2	36	Coarse	Grab 1: wood caught in jaw; washout. Larvae and mussels in sample.
HR17-OU2-R7-055	5.8	109.1	-73.585943	43.175129	Sampled	1	30	Coarse	SAV in sample.
HR17-OU2-R7-056	3.1	111.8	-73.585049	43.175125	Sampled	2	14	Coarse	SAV/wood in sample.
HR17-OU2-R7-057	17.6	97.3	-73.586417	43.175697	Sampled	1	36	Fine	Trace pieces of wood in sample.
HR17-OU2-R7-058	3.8	111.1	-73.585504	43.175681	Sampled	1	25	Coarse	
HR17-OU2-R7-059	4.7	110.2	-73.58461	43.175678	Sampled	2	25	Coarse	Grab 1: wood in jaws.

**Table 2-1B Sediment Sample Coordinates and Field Notes,
Reach 7 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R7-060	14.7	105.0	-73.579445	43.175643	Sampled	1	12	Fine	
HR17-OU2-R7-061	18.0	96.7	-73.586072	43.176186	Sampled	4	36	Coarse	After 3 attempts with runoff, moved to new location ~41 ft. SW. Mussels noted in sample.
HR17-OU2-R7-062	6.0	108.7	-73.585062	43.176233	Sampled	2	24	Coarse	SAV and small insect larvae in sample.
HR17-OU2-R7-063	6.5	108.3	-73.583263	43.176228	Sampled	1	4	Transitional	Mussels, SAV, and mayfly larvae in sample.
HR17-OU2-R7-064	11.6	103.2	-73.585461	43.176817	Sampled	2	12	Coarse	Mayfly larvae in sample.
HR17-OU2-R7-065	3.2	111.6	-73.584611	43.176794	Sampled	1	36	Coarse	
HR17-OU2-R7-066	7.3	107.5	-73.58371	43.176785	Sampled	2	30	Coarse	SAV in sample in sample. Mussels noted in sample.
HR17-OU2-R7-067	13.7	106.0	-73.579369	43.176763	Sampled	2	2	Coarse	Leaves and other organic detritus present in sample. Mussels noted in sample.
HR17-OU2-R7-068	5.6	109.2	-73.58503	43.177365	Sampled	1	36	Coarse	
HR17-OU2-R7-069	6.5	108.3	-73.584138	43.177365	Sampled	1	30	Coarse	
HR17-OU2-R7-070	9.7	105.1	-73.585522	43.177912	Sampled	3	30	Coarse	Minimal to no recovery in first two attempts due to wood/rock in jaws.
HR17-OU2-R7-071	7.9	106.9	-73.583695	43.177928	Sampled	1	30	Coarse	
HR17-OU2-R7-072	9.7	105.0	-73.582811	43.177911	Sampled	1	19	Transitional	
HR17-OU2-R7-073	13.7	106.0	-73.579301	43.177932	Sampled	1	3	Coarse	Mussels noted in sample.
HR17-OU2-R7-074	6.9	107.9	-73.58503	43.178504	Sampled	1	18	Transitional	
HR17-OU2-R7-075	10.4	104.4	-73.582341	43.178476	Sampled	3	18	Coarse	Minimal to no recovery in first two attempts due to rock in jaws; washout. Mussels and insects in sample.
HR17-OU2-R7-076	7.5	107.3	-73.585467	43.179063	Sampled	1	6	Transitional	
HR17-OU2-R7-077	8.3	106.5	-73.582794	43.179057	Sampled	1	31	Coarse	
HR17-OU2-R7-078	8.0	106.7	-73.581972	43.179027	Sampled	4	36	Fine	After 3 grabs with washout, moved to new location ~23 ft. W of original location.
HR17-OU2-R7-079	14.0	105.7	-73.579282	43.179109	Sampled	1	4	Transitional	Large rock 6"x4" in sample. Mussels noted in sample.
HR17-OU2-R7-080	12.5	102.3	-73.584994	43.179635	Sampled	1	6	Coarse	
HR17-OU2-R7-081	9.0	105.8	-73.582629	43.179618	Sampled	5	26	Coarse	Minimal to no recovery in first four attempts due to wood/rock in jaws.
HR17-OU2-R7-082	1.0	113.8	-73.582804	43.18019	Sampled	1	36	Fine	Target location on steep slope, moved sample location ~10 ft. W. Mussels noted in sample.
HR17-OU2-R7-083	13.6	106.1	-73.579284	43.180147	Sampled	1	4	Coarse	Mussels noted in sample.
HR17-OU2-R7-084	7.9	106.8	-73.582105	43.181416	Sampled	4	30	Coarse	Minimal to no recovery in first three attempts due to rock in jaws; washout.
HR17-OU2-R7-085	12.3	107.4	-73.579388	43.181229	Sampled	1	1	Coarse	Mussels noted in sample.
HR17-OU2-R7-086	14.6	100.2	-73.581408	43.181865	Sampled	1	30	Coarse	
HR17-OU2-R7-087	5.2	109.7	-73.584587	43.182428	Sampled	6	4	Coarse	After three unsuccessful grabs, moved to new location ~23 ft. west. Sample is composite of grabs 4-6. Mussels noted in sample.
HR17-OU2-R7-088	19.1	95.7	-73.580876	43.182434	Sampled	1	30	Coarse	
HR17-OU2-R7-089	13.6	106.1	-73.579377	43.182416	Sampled	2	1	Coarse	Mussels noted in sample.
HR17-OU2-R7-090	2.9	111.9	-73.584945	43.183031	Sampled	1	12	Coarse	Mussels noted in sample.
HR17-OU2-R7-091	12.6	102.2	-73.583704	43.18305	Abandoned	6	1	Transitional	After 3 empty grabs moved ~87 ft.; no recovery/insufficient material in next three attempts.
HR17-OU2-R7-092	25.0	89.8	-73.584494	43.183602	Sampled	2	NA	Other- see notes	Location too deep to probe (>20 ft.).
HR17-OU2-R7-093	5.7	109.1	-73.583642	43.183502	Sampled	2	36	Coarse	Mayfly larvae in sample.
HR17-OU2-R7-094	9.0	105.8	-73.581145	43.183537	Sampled	5	14	Coarse	After three unsuccessful grabs, moved to new location ~58 ft. W.
HR17-OU2-R7-095	5.0	109.8	-73.58406	43.184151	Sampled	1	36	Fine	Mussels and insect see photo in sample.
HR17-OU2-R7-096	8.2	106.6	-73.580459	43.184108	Sampled	2	13	Coarse	Washout in center of first grab, rejected.
HR17-OU2-R7-097	13.7	106.0	-73.57965	43.184077	Sampled	1	3	Transitional	
HR17-OU2-R7-098	4.1	110.7	-73.586621	43.184709	Sampled	4	8	Fine	After 3 unsuccessful grabs, moved to new location ~95 ft. W.
HR17-OU2-R7-099	11.2	103.6	-73.581796	43.184688	Sampled	2	24	Fine	Grab 1: mussel in jaws. Mussels noted in sample.
HR17-OU2-R7-100	12.5	102.3	-73.580907	43.184699	Sampled	1	30	Coarse	
HR17-OU2-R7-101	11.5	103.4	-73.584898	43.185309	Sampled	1	12	Transitional	Trace woody debris in sample.
HR17-OU2-R7-102	6.0	108.7	-73.582599	43.185263	Sampled	4	36	Fine	After 3 unsuccessful grabs, moved ~95 ft. NW. Mayfly larvae noted in sample.
HR17-OU2-R7-103	12.9	101.8	-73.581349	43.185269	Sampled	3	12	Transitional	Mayfly larvae mussels in sample. Grabs 1, 2: cobbles, mussels caught in jaw.
HR17-OU2-R7-104	5.5	109.3	-73.586282	43.18523	Sampled	6	2	Transitional	After 3 unsuccessful grabs, moved to new location ~46 ft. SW. SAV roots in sample.
HR17-OU2-R7-105	14.1	105.6	-73.580031	43.185906	Sampled	1	3	Transitional	Mussels noted in sample.
HR17-OU2-R7-106	3.2	113.3	-73.585936	43.185948	Sampled	4	27	Fine	After 3 empty grabs, moved to new location ~88ft SE. Mussels noted in sample.
HR17-OU2-R7-107	8.0	106.8	-73.582214	43.186367	Sampled	1	24	Coarse	
HR17-OU2-R7-108	5.0	109.9	-73.58612	43.186798	Abandoned	6	0	Rock	After 3 unsuccessful grabs, moved to new location ~45 ft. E; no recovery/insufficient material in next three attempts. Probing indicated bedrock.
HR17-OU2-R7-109	6.3	108.5	-73.582666	43.186955	Sampled	1	18	Coarse	Mussels noted in sample.
HR17-OU2-R7-110	3.2	114.3	-73.581363	43.187305	Sampled	4	36	Fine	Worms and larvae. Grabs 1-3 empty.
HR17-OU2-R7-111	2.9	112.0	-73.585786	43.187541	Abandoned	6	0	Rock	After 3 empty grabs, moved to new location~34 ft. E; no recovery/insufficient material in next three attempts. Probing indicated bedrock.
HR17-OU2-R7-112	14.9	105.4	-73.580417	43.18747	Sampled	1	3	Coarse	Clam shells in sample.
HR17-OU2-R7-113	14.5	105.1	-73.580931	43.189046	Abandoned	6	4	Coarse	Minimal to no recovery due to rocks in jaws or empty.

Note:
1. In the event that after three attempts a sample could not be collected from the original target location, the field crew attempted to sample at a location within a 100-ft radius of the original target location. A sample location was abandoned after six failed attempts. Coordinates were recorded for the sampled location; the coordinates for the abandoned/removed locations are the original target points.
SAV = Submerged aquatic vegetation.

**Table 2-1C Sediment Sample Coordinates and Field Notes,
Reach 6 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R6-001	9.4	93.4	-73.579172	43.11327	Sampled	1	18	Fine	Detritus in sample. Slick upon recovery.
HR17-OU2-R6-002	6.6	96.2	-73.578039	43.113269	Sampled	1	36	Fine	Located in corner of canal adjacent to upstream gates. Some SAV.
HR17-OU2-R6-003	9.0	93.8	-73.579694	43.113894	Sampled	2	57	Fine	Proposed location on small island. Sampled to the south. Bubbles upon recovery. Some SAV.
HR17-OU2-R6-004	8.0	94.8	-73.578631	43.113997	Sampled	1	36	Fine	Adjacent to canal floating dock. Mussels noted in sample.
HR17-OU2-R6-005	6.3	96.5	-73.580168	43.114759	Sampled	1	60	Fine	SAV in sample.
HR17-OU2-R6-006	10.8	92.0	-73.579115	43.114737	Sampled	1	42	Fine	Detritus in sample.
HR17-OU2-R6-007	14.5	88.3	-73.579693	43.115412	Sampled	1	60	Fine	Woody debris detritus in sample.
HR17-OU2-R6-008	13.9	88.9	-73.580151	43.116082	Sampled	3	18	Coarse	
HR17-OU2-R6-009	11.8	91.0	-73.581031	43.116978	Abandoned	6	18	Coarse	Proposed location aligned with former bridge crossing. Minimal to no recovery due to rock in jaws or empty.
HR17-OU2-R6-010	11.4	91.4	-73.581378	43.117583	Sampled	1	30	Coarse	Woody debris in sample.
HR17-OU2-R6-011	11.2	91.6	-73.58347	43.11912	Sampled	6	42	Fine	
HR17-OU2-R6-012	10.2	92.6	-73.584001	43.119575	Sampled	5	15	Fine	
HR17-OU2-R6-013	11.9	90.9	-73.584749	43.12046	Sampled	1	24	Fine	Detritus in sample.
HR17-OU2-R6-014	14.2	88.0	-73.587396	43.123814	Abandoned	6	0	Rock	No recovery due to rock in jaws or empty. Probing indicated bedrock.
HR17-OU2-R6-015	13.9	88.3	-73.586945	43.124551	Sampled	6	6	Coarse	First five attempts failed due to washout from debris in jaws; sixth grab was primarily intact. Mussels noted in sample.
HR17-OU2-R6-016	5.3	96.9	-73.587399	43.125516	Sampled	1	18	Fine	Mussels noted in sample.
HR17-OU2-R6-017	10.5	91.7	-73.586066	43.125534	Abandoned	6	0	Rock	No recovery due to rock/cobble in jaws causing washout, or empty. Probing indicated bedrock.
HR17-OU2-R6-018	13.0	89.4	-73.586867	43.126202	Sampled	1	12	Coarse	Mussel noted in sample.
HR17-OU2-R6-019	22.3	80.2	-73.586475	43.127096	Abandoned	6	8	Transitional	No recovery due to rock in jaws or empty.
HR17-OU2-R6-020	10.4	91.8	-73.585271	43.12713	Sampled	4	24	Fine	Three attempts failed due to concrete in jaws. Mussels noted in sample.
HR17-OU2-R6-021	23.8	78.7	-73.587172	43.127614	Sampled	4	NA	Other- see notes	Probing not attempted due to water depth greater than 20 ft.
HR17-OU2-R6-022	13.9	88.6	-73.585739	43.127643	Sampled	2	52	Fine	SAV and detritus in sample.
HR17-OU2-R6-023	14.9	87.6	-73.587091	43.128397	Abandoned	6	3	Transitional	Located just off the route 4 bridge; no recovery due to rock/cobble causing washout.
HR17-OU2-R6-024	8.6	93.9	-73.585916	43.128418	Abandoned	6	6	Transitional	Final attempts made at edge of SAV bed; no recovery due to rock/debris causing washout.
HR17-OU2-R6-025	1.2	100.8	-73.585289	43.128381	Sampled	1	6	Fine	Some SAV in sample. Ponar used to collect sample.
HR17-OU2-R6-026	15.2	87.3	-73.588259	43.129	Sampled	6	2	Transitional	Mussels noted in sample.
HR17-OU2-R6-027	7.8	94.7	-73.587079	43.129106	Sampled	1	42	Fine	Little woody debris in sample.
HR17-OU2-R6-028	6.2	96.3	-73.585693	43.129031	Sampled	2	48	Coarse	Woody debris in sample.
HR17-OU2-R6-029	0.4	101.6	-73.585252	43.128808	Abandoned	6	1	Coarse	Target X, Y plots on land. Got as close as possible to location. Densely compacted fine sands limited recovery. Ponar used as sampler.
HR17-OU2-R6-030	13.6	88.9	-73.589665	43.129821	Sampled	2	30	Fine	Exposed rock; probed SE of location. Mussels noted in sample.
HR17-OU2-R6-031	6.4	95.6	-73.586341	43.129708	Sampled	1	6	Coarse	Ponar used to collect sample.
HR17-OU2-R6-032	12.8	89.7	-73.589062	43.130471	Sampled	2	30	Fine	
HR17-OU2-R6-033	10.4	92.1	-73.587785	43.130728	Sampled	4	25	Coarse	
HR17-OU2-R6-034	12.2	90.3	-73.589556	43.131216	Sampled	1	42	Coarse	A lot of shredded woody debris, caddisfly larvae in sample. Mussels noted in sample.
HR17-OU2-R6-035	13.5	89.0	-73.588947	43.131938	Sampled	3	27	Coarse	Woody debris, detritus in sample.
HR17-OU2-R6-036	18.2	84.3	-73.591744	43.132673	Sampled	1	24	Fine	Stiff clay.
HR17-OU2-R6-037	12.8	89.7	-73.590796	43.132676	Sampled	3	11	Fine	
HR17-OU2-R6-038	12.9	89.5	-73.59015	43.133395	Sampled	1	42	Fine	Some woody debris and three mussels in sample.
HR17-OU2-R6-039	5.8	96.6	-73.589216	43.133347	Sampled	1	19	Coarse	Sample collected 55ft west of center due to center point located on shore.
HR17-OU2-R6-040	9.0	93.4	-73.590661	43.134165	Sampled	4	18	Fine	Some SAV and woody debris.
HR17-OU2-R6-041	9.1	93.3	-73.589613	43.13408	Sampled	1	42	Fine	SAV and twigs in sample. Culvert pipe under road runoff due east of sample location.
HR17-OU2-R6-042	10.2	92.2	-73.590148	43.13481	Sampled	1	23	Coarse	Some woody debris in sample.
HR17-OU2-R6-043	20.2	85.0	-73.591883	43.135316	Sampled	7	36	Fine	Woody debris in jaws and mussels in grab in sample. Sample collected 30ft west of center.
HR17-OU2-R6-044	10.5	91.9	-73.590731	43.135536	Sampled	2	18	Fine	First attempt woody debris caught in jaw, two mussels and woody debris in sample.
HR17-OU2-R6-045	5.2	97.2	-73.589794	43.135475	Sampled	1	22	Coarse	SAV in sample. Sampling well to the west of center point due to the center point being on shore.
HR17-OU2-R6-046	9.2	93.2	-73.5901	43.13644	Sampled	5	30	Fine	Initial attempts washed out. Woody debris encountered.
HR17-OU2-R6-047	20.5	81.7	-73.591737	43.136981	Sampled	2	NA	Other- see notes	First attempt washed out. One insect in grab.
HR17-OU2-R6-048	9.3	93.1	-73.590067	43.137484	Sampled	8	12	Coarse	Attempts failed due to wash out. Woody debris and mussels in grab.
HR17-OU2-R6-049	11.9	90.3	-73.590679	43.138388	Sampled	2	3	Coarse	First attempt failed due to wash out.
HR17-OU2-R6-050	5.9	96.3	-73.589655	43.13851	Sampled	4	18	Fine	Initial attempts washed out or blocked by woody debris. Sampling performed on western side of location due to center being on shore.
HR17-OU2-R6-051	22.7	84.6	-73.591516	43.139159	Abandoned	6	22	Coarse	Minimal to no recovery due to woody debris in jaws.
HR17-OU2-R6-052	15.5	86.7	-73.590641	43.139825	Sampled	1	30	Coarse	Worm in grab as well as woody debris in sample.
HR17-OU2-R6-053	20.9	81.3	-73.590914	43.140454	Sampled	3	NA	Other- see notes	Failed attempts due to mussels. 20.9 ft. deep to probe.
HR17-OU2-R6-054	14.8	87.3	-73.589867	43.14055	Sampled	2	10	Coarse	First attempt washed out.
HR17-OU2-R6-055	16.7	85.4	-73.589522	43.141176	Abandoned	6	9	Coarse	No recovery due to rock/cobble in jaws causing washout, or empty.
HR17-OU2-R6-056	18.9	83.2	-73.589464	43.142638	Sampled	2	24	Fine	Mussels noted in sample.
HR17-OU2-R6-057	19.0	83.1	-73.588382	43.142755	Abandoned	6	24	Fine	Minimal to no recovery due to woody debris in jaws.
HR17-OU2-R6-058	15.5	86.6	-73.588717	43.143463	Abandoned	6	3	Rock	No recovery due to rock/cobble in jaws causing washout. Probing indicated cobble.
HR17-OU2-R6-059	10.9	91.2	-73.588125	43.144207	Sampled	6	12	Fine	Initial attempts failed due to rocks in jaws and washout.
HR17-OU2-R6-060	9.4	92.7	-73.587676	43.144705	Sampled	3	4	Transitional	First two attempts failed due to SAV in jaws in sample.

**Table 2-1C Sediment Sample Coordinates and Field Notes,
Reach 6 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R6-061	22.7	79.4	-73.586444	43.144583	Sampled	3	NA	Other- see notes	Initial attempts failed due to woody debris in jaws. One insect larvae.
HR17-OU2-R6-062	17.8	84.3	-73.587029	43.14532	Abandoned	6	28	Coarse	No recovery due to rock/cobble in jaws causing washout.
HR17-OU2-R6-063	24.5	77.6	-73.586154	43.145408	Sampled	4	NA	Other- see notes	First two attempts failed due to woody debris in jaws, third attempt failed due to debris in jaws. Some clams in sample.
HR17-OU2-R6-064	14.0	88.1	-73.586347	43.14613	Abandoned	6	0	Rock	Four attempts no recovery, two attempts with rock in jaws. Probing indicated bedrock.
HR17-OU2-R6-065	5.8	96.3	-73.585995	43.146833	Sampled	4	8	Fine	First attempt failed due to cobble in grab. Second attempt failed no recovery. Third attempt failed no recovery.
HR17-OU2-R6-066	13.7	88.4	-73.584997	43.14761	Abandoned	6	0	Rock	Four attempts failed due to no recovery, two attempts failed due to rock in jaws. Probing indicated bedrock.
HR17-OU2-R6-067	7.9	94.2	-73.584775	43.148179	Abandoned	6	0	Rock	Three attempts no recovery, three attempts with rock in jaws. Probing indicated bedrock.
HR17-OU2-R6-068	14.1	88.0	-73.584083	43.149106	Abandoned	6	4	Transitional	Minimal to no recovery due to woody debris/rock in jaws.
HR17-OU2-R6-069	9.1	93.0	-73.583048	43.149218	Sampled	2	8	Coarse	First attempt failed due to washout, there was a snail in grab as well as insect larvae
HR17-OU2-R6-070	3.8	98.2	-73.582096	43.149094	Sampled	1	18	Fine	Ponar used to collect sample.
HR17-OU2-R6-071	10.4	91.7	-73.582711	43.149641	Sampled	1	18	Fine	Some root matter in sample.
HR17-OU2-R6-072	15.8	86.4	-73.582901	43.150523	Abandoned	6	32	Coarse	Minimal to no recovery due to woody debris/rock in jaws.
HR17-OU2-R6-073	10.5	91.7	-73.581831	43.1509	Abandoned	6	10	Fine	Minimal to no recovery due to woody debris/rock in jaws.
HR17-OU2-R6-074	12.8	89.4	-73.582692	43.151077	Sampled	3	7	Coarse	All attempts failed due to woody debris and rocks in jaws .
HR17-OU2-R6-075	7.9	94.1	-73.580003	43.151266	Sampled	6	24	Fine	Mussels noted in sample. Ponar used to collect sample.
HR17-OU2-R6-076	3.0	99.0	-73.579703	43.151967	Sampled	1	32	Fine	SAV in sample. Mussels noted in sample. Ponar used to collect sample.
HR17-OU2-R6-077	9.7	92.5	-73.580757	43.152202	Sampled	4	30	Coarse	Initial attempts failed due to SAV and rocks in jaws.
HR17-OU2-R6-078	10.8	91.4	-73.582427	43.152538	Sampled	1	8	Coarse	SAV present in sample. Mussels noted in sample. Ponar used to collect sample.
HR17-OU2-R6-079	10.8	91.4	-73.581671	43.152634	Sampled	2	24	Coarse	First attempt wash out due to sand and gravel in jaws. Mussels noted in sample.
HR17-OU2-R6-080	7.6	94.5	-73.58164	43.153412	Sampled	3	11	Coarse	First attempt failed due to woody debris in jaws; second attempt failed due to washout caused by SAV in jaws in sample. Mussels noted in sample.
HR17-OU2-R6-081	5.2	97.0	-73.57996	43.153236	Sampled	1	19	Coarse	Mussels noted in sample.
HR17-OU2-R6-082	4.7	97.5	-73.579082	43.153977	Sampled	1	24	Coarse	
HR17-OU2-R6-083	4.7	97.3	-73.577934	43.154036	Sampled	2	18	Fine	SAV and clams in sample. Ponar used to collect sample.
HR17-OU2-R6-084	10.7	91.5	-73.57942	43.154667	Sampled	2	32	Transitional	First attempt failed due to rock in jaws. Some root debris in sample.
HR17-OU2-R6-085	1.4	100.6	-73.578326	43.154721	Sampled	1	6	Fine	SAV in sample. Ponar used to collect sample.
HR17-OU2-R6-086	15.8	86.4	-73.580476	43.154961	Sampled	3	14	Coarse	Two attempts failed due to cobbles in jaws in sample. Mussels noted in sample.
HR17-OU2-R6-087	16.8	85.4	-73.580116	43.155561	Sampled	1	27	Fine	Mussels noted in sample.
HR17-OU2-R6-088	6.2	96.0	-73.579441	43.155488	Sampled	1	8	Fine	Vast majority of location in SAV and really shallow.
HR17-OU2-R6-089	3.6	98.4	-73.578101	43.155514	Sampled	3	10	Fine	SAV in sample. Ponar used to collect sample.
HR17-OU2-R6-090	26.0	76.2	-73.5808	43.156119	Abandoned	6	NA	Other- see notes	Minimal to no recovery due to woody debris/rock in jaws.
HR17-OU2-R6-091	11.4	90.8	-73.579673	43.156025	Sampled	3	15	Coarse	Mussels noted in sample.
HR17-OU2-R6-092	1.5	100.5	-73.578593	43.155953	Sampled	6	8	Coarse	Ponar used to collect sample.
HR17-OU2-R6-093	16.7	85.5	-73.581368	43.156818	Abandoned	6	0	Rock	Three attempts with no recovery, two attempts with rock in jaws, one with wood in jaws. Probing indicated bedrock.
HR17-OU2-R6-094	16.0	86.2	-73.580236	43.157061	Sampled	1	32	Fine	Woody debris and SAV roots in sample. Mussels noted in sample.
HR17-OU2-R6-095	5.4	96.8	-73.579136	43.156874	Sampled	2	7	Coarse	Attempt failed due to wood debris in jaws, some SAV roots in jaws in sample.
HR17-OU2-R6-096	22.2	80.7	-73.57966	43.157593	Sampled	1	NA	NA	Wood pulp and root mat in sample. Mussels noted in sample.
HR17-OU2-R6-097	7.4	94.6	-73.578538	43.15767	Sampled	2	30	Fine	Ponar used to collect sample.
HR17-OU2-R6-098	12.1	90.8	-73.580168	43.158295	Sampled	1	10	Fine	Insect larvae Woody debris and wood pulp in sample.
HR17-OU2-R6-099	14.7	88.2	-73.579639	43.159056	Sampled	1	28	Fine	Root mat in sample.

Note:
1. In the event that after three attempts a sample could not be collected from the original target location, the field crew attempted to sample at a location within a 100-ft radius of the original target location. A sample location was abandoned after six failed attempts. Coordinates were recorded for the sampled location; the coordinates for the abandoned/removed locations are the original target points.
SAV = Submerged aquatic vegetation.

**Table 2-1D Sediment Sample Coordinates and Field Notes,
Reach 5 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R5-001	13.1	70.4	-73.648652	42.937712	Sampled	1	12	Fine	One mussel and one small clamshell in sample.
HR17-OU2-R5-002	12.1	71.4	-73.647966	42.938767	Sampled	2	18	Fine	Two grabs taken to generate enough material for MS/MSD with congeners. One non-mussel clamshell and woody debris in sample.
HR17-OU2-R5-003	14.4	69.1	-73.64631	42.938721	Sampled	1	24	Fine	Woody debris in sample.
HR17-OU2-R5-004	19.2	65.8	-73.641481	42.93867	Sampled	3	2	Coarse	
HR17-OU2-R5-005	6.1	78.9	-73.639607	42.938645	Sampled	6	12	Fine	Mussels noted in sample.
HR17-OU2-R5-006	7.0	76.5	-73.645287	42.939648	Sampled	1	12	Fine	Woody debris and aquatic invertebrates in sample.
HR17-OU2-R5-007	7.6	75.9	-73.643805	42.939594	Sampled	1	42	Fine	SAV in sample.
HR17-OU2-R5-008	6.9	76.6	-73.642201	42.939675	Sampled	1	6	Fine	Location ~15 ft. away from private dock. Trace woody debris.
HR17-OU2-R5-009	8.9	74.6	-73.640649	42.939678	Sampled	2	12	Fine	Washout on first grab due to wood.
HR17-OU2-R5-010	15.1	68.4	-73.638951	42.939691	Sampled	1	8	Fine	
HR17-OU2-R5-011	0.7	82.9	-73.636308	42.939732	Sampled	2	8	Coarse	Target radius is on dry land. Got as close as possible to take samples. Ponar used to collect sample.
HR17-OU2-R5-012	11.5	73.5	-73.63816	42.940646	Sampled	2	2	Fine	
HR17-OU2-R5-013	19.3	65.7	-73.636774	42.94073	Sampled	4	4	Coarse	
HR17-OU2-R5-014	2.0	81.6	-73.634305	42.940915	Sampled	1	20	Fine	Significant SAV in sample. Ponar used to collect sample.
HR17-OU2-R5-015	12.1	72.9	-73.634157	42.941662	Sampled	2	18	Fine	Mussels noted in sample.
HR17-OU2-R5-016	16.3	68.7	-73.634925	42.942691	Sampled	1	12	Fine	Larvae in sample. Mussels noted in sample.
HR17-OU2-R5-017	9.2	75.8	-73.633388	42.942619	Sampled	2	18	Fine	Mussels noted in sample.
HR17-OU2-R5-018	15.7	69.3	-73.634083	42.943693	Sampled	3	12	Coarse	Piece of woody debris in sample. Mussels noted in sample.
HR17-OU2-R5-019	14.1	70.9	-73.632484	42.943673	Sampled	1	24	Fine	
HR17-OU2-R5-020	15.5	69.5	-73.63281	42.944689	Sampled	1	18	Fine	Woody debris in sample.
HR17-OU2-R5-021	15.3	69.7	-73.631619	42.944715	Sampled	1	12	Fine	Worms in sample.
HR17-OU2-R5-022	7.4	76.2	-73.630119	42.944743	Sampled	1	13	Fine	Ponar used to collect sample.
HR17-OU2-R5-023	18.0	67.0	-73.632453	42.945753	Sampled	1	12	Fine	
HR17-OU2-R5-024	13.3	70.5	-73.631634	42.946748	Sampled	1	12	Fine	Little silt in sample.
HR17-OU2-R5-025	6.8	77.0	-73.629842	42.946748	Sampled	1	36	Fine	Collected 50 ft. east of center due to dense SAV bed.
HR17-OU2-R5-026	14.2	69.6	-73.632387	42.947773	Sampled	1	30	Fine	Woody debris. Mussels noted in sample.
HR17-OU2-R5-027	8.7	75.1	-73.630843	42.947813	Sampled	1	18	Fine	Little fine sands in sample. Mussels noted in sample.
HR17-OU2-R5-028	17.5	66.3	-73.631587	42.948807	Sampled	2	36	Fine	Woody debris and small clam shell in sample.
HR17-OU2-R5-029	4.5	79.1	-73.630255	42.948708	Sampled	1	30	Fine	Sample radius is in patch of water chestnuts. SAV sample. Ponar used to collect sample.
HR17-OU2-R5-030	7.9	75.9	-73.628463	42.948755	Sampled	1	42	Fine	Some SAV in sample.
HR17-OU2-R5-031	14.9	68.9	-73.630789	42.949837	Sampled	3	38	Fine	
HR17-OU2-R5-032	14.1	69.7	-73.631363	42.950842	Sampled	1	15	Fine	Woody debris detritus in sample.
HR17-OU2-R5-033	10.8	73.0	-73.629964	42.950855	Sampled	1	18	Coarse	
HR17-OU2-R5-034	9.1	74.7	-73.62838	42.95084	Sampled	2	42	Fine	Debris in sample. Mussels noted in sample.
HR17-OU2-R5-035	13.1	67.4	-73.630966	42.951892	Sampled	7	40	Fine	
HR17-OU2-R5-036	13.7	70.1	-73.629911	42.952902	Sampled	3	26	Fine	
HR17-OU2-R5-037	8.6	75.2	-73.628316	42.952895	Sampled	1	48	Fine	SAV woody debris in sample. Mussels noted in sample.
HR17-OU2-R5-038	13.5	70.3	-73.630637	42.953982	Sampled	1	12	Fine	Frequent mussels in sample.
HR17-OU2-R5-039	11.8	72.0	-73.629089	42.953946	Sampled	1	10	Coarse	
HR17-OU2-R5-040	10.2	73.6	-73.627705	42.95394	Sampled	1	49	Fine	Actual location 60 ft. west of proposed due to docks.
HR17-OU2-R5-041	12.4	71.4	-73.628296	42.954941	Sampled	1	30	Fine	Mussels noted in sample.
HR17-OU2-R5-042	8.4	75.2	-73.627748	42.95594	Sampled	1	30	Fine	Ponar used to collect sample.
HR17-OU2-R5-043	17.5	67.1	-73.629898	42.956786	Abandoned	10	24	Coarse	Not able to recover sediment due to woody debris and mussels in jaws; soft sediment washed out at each attempt.
HR17-OU2-R5-044	4.8	79.0	-73.628384	42.957076	Sampled	1	82	Fine	Adjacent to dense SAV bed.
HR17-OU2-R5-045	17.9	65.9	-73.629929	42.958888	Sampled	5	24	Coarse	Mussels noted in sample.
HR17-OU2-R5-046	11.7	72.1	-73.628265	42.959057	Sampled	1	46	Fine	Woody debris in sample. Mussels noted in sample.
HR17-OU2-R5-047	18.6	65.1	-73.628945	42.960079	Sampled	2	30	Fine	Some SAV in sample.
HR17-OU2-R5-048	17.8	65.9	-73.62981	42.961135	Sampled	1	36	Fine	
HR17-OU2-R5-049	11.0	72.7	-73.628371	42.961029	Sampled	1	92	Fine	Woody debris in sample. Adjacent to moderately dense SAV bed.
HR17-OU2-R5-050	15.7	68.0	-73.6306	42.962163	Sampled	1	72	Fine	Some detritus in sample. Mussels noted in sample.
HR17-OU2-R5-051	16.5	67.2	-73.628892	42.962139	Sampled	2	34	Fine	Some detritus in sample.
HR17-OU2-R5-052	24.2	59.5	-73.629777	42.963148	Sampled	1	NA	Other- see notes	No sediment probe due to water depth greater than 20 ft.
HR17-OU2-R5-053	15.3	68.4	-73.631223	42.965265	Sampled	3	44	Fine	Mussels noted in sample.
HR17-OU2-R5-054	16.5	67.2	-73.629923	42.965172	Sampled	1	12	Fine	Detritus, leafy debris at depth.
HR17-OU2-R5-055	19.0	65.2	-73.630578	42.966241	Sampled	3	36	Fine	
HR17-OU2-R5-056	25.7	58.5	-73.631229	42.967059	Sampled	6	NA	NA	
HR17-OU2-R5-057	7.8	76.4	-73.632407	42.968354	Sampled	6	13	Coarse	Worms and insect larvae in sample.
HR17-OU2-R5-058	7.5	76.7	-73.630632	42.968295	Sampled	1	18	Fine	Woody debris in sample.

**Table 2-1D Sediment Sample Coordinates and Field Notes,
Reach 5 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R5-059	11.6	72.6	-73.632135	42.970581	Sampled	5	24	Coarse	
HR17-OU2-R5-060	17.9	66.3	-73.630628	42.97018	Abandoned	6	3	Coarse	No recovery due to rock in jaws.
HR17-OU2-R5-061	18.2	66.0	-73.631279	42.971379	Sampled	1	36	Fine	Insect larvae in sample.
HR17-OU2-R5-062	16.9	67.3	-73.629645	42.971334	Sampled	1	30	Fine	
HR17-OU2-R5-063	8.3	75.9	-73.630461	42.972404	Sampled	1	30	Fine	Insect larvae in sample. Mussels noted in sample.
HR17-OU2-R5-064	16.0	68.2	-73.628861	42.972383	Sampled	1	48	Fine	Insect larvae in sample. Mussels noted in sample.
HR17-OU2-R5-065	4.5	79.7	-73.629537	42.973386	Sampled	1	6	Fine	SAV in sample.
HR17-OU2-R5-066	8.5	75.7	-73.628051	42.973415	Sampled	1	16	Fine	Insect larvae in sample. Mussels noted in sample.
HR17-OU2-R5-067	15.5	68.7	-73.626424	42.973382	Sampled	1	13	Fine	Woody debris in sample.
HR17-OU2-R5-068	11.5	72.7	-73.625477	42.974425	Sampled	1	14	Fine	Station moved further offshore.
HR17-OU2-R5-069	5.6	78.6	-73.627126	42.974457	Sampled	1	36	Fine	Insects in sample. Mussels noted in sample.
HR17-OU2-R5-070	13.5	71.0	-73.624032	42.97443	Sampled	2	30	Fine	Insect larvae in sample.
HR17-OU2-R5-071	14.1	70.4	-73.62239	42.974386	Sampled	2	4	Coarse	Insects in sample.
HR17-OU2-R5-072	NA	NA	-73.627992	42.975458	Removed	0	NA	NA	Located in a marshy area with little to no water. Sampling not attempted at this location.
HR17-OU2-R5-073	8.1	76.4	-73.624601	42.975412	Sampled	2	14	Fine	Insect larvae in sample.
HR17-OU2-R5-074	13.8	70.7	-73.623136	42.975397	Sampled	1	24	Fine	Insect larvae in sample. Mussels noted in sample.
HR17-OU2-R5-075	14.5	70.0	-73.621557	42.975403	Sampled	1	26	Fine	Debris in sample.
HR17-OU2-R5-076	15.6	68.9	-73.619971	42.975408	Sampled	2	13	Fine	Insect larvae in sample. Mussels noted in sample.
HR17-OU2-R5-077	15.6	68.9	-73.620758	42.976434	Sampled	1	12	Coarse	Mussels noted in sample.
HR17-OU2-R5-078	16.5	68.0	-73.619106	42.976413	Sampled	2	8	Coarse	Woody debris in sample.
HR17-OU2-R5-079	11.6	72.9	-73.619847	42.977395	Sampled	2	36	Fine	Woody debris in sample.
HR17-OU2-R5-080	18.9	65.6	-73.618295	42.977417	Sampled	3	18	Fine	
HR17-OU2-R5-081	17.2	67.3	-73.616727	42.977458	Sampled	2	6	Fine	
HR17-OU2-R5-082	20.7	63.8	-73.617433	42.978484	Sampled	2	NA	NA	Insect larvae in sample.
HR17-OU2-R5-083	20.6	63.9	-73.615847	42.978397	Sampled	1	NA	NA	Woody debris in sample.
HR17-OU2-R5-084	18.9	65.6	-73.615025	42.979503	Sampled	1	36	Fine	
HR17-OU2-R5-085	8.4	76.1	-73.611102	42.980668	Abandoned	6	1	Transitional	No recovery due to cobbles in jaws.
HR17-OU2-R5-086	5.0	79.5	-73.61163	42.981493	Sampled	1	18	Fine	Insect larvae in sample. Mussels noted in sample.
HR17-OU2-R5-087	19.4	65.0	-73.610198	42.981469	Sampled	1	36	Fine	
HR17-OU2-R5-088	3.8	80.6	-73.60856	42.981494	Sampled	1	56	Fine	Mussels noted in sample.
HR17-OU2-R5-089	3.9	80.5	-73.607834	42.982508	Sampled	1	48	Fine	
HR17-OU2-R5-090	16.3	68.1	-73.608496	42.983503	Sampled	1	9	Coarse	
HR17-OU2-R5-091	16.4	68.0	-73.607698	42.984542	Sampled	1	32	Fine	Mussels noted in sample.
HR17-OU2-R5-092	16.2	68.2	-73.608488	42.985584	Sampled	1	22	Fine	
HR17-OU2-R5-093	9.9	74.5	-73.609258	42.986825	Sampled	2	36	Fine	Mussels noted in sample.
HR17-OU2-R5-094	15.5	68.9	-73.607676	42.986592	Sampled	1	26	Fine	
HR17-OU2-R5-095	12.0	72.4	-73.607646	42.988651	Sampled	1	15	Fine	Mussels noted in sample.
HR17-OU2-R5-096	14.3	70.1	-73.60843	42.989666	Sampled	1	45	Fine	
HR17-OU2-R5-097	9.3	75.1	-73.606956	42.98964	Sampled	2	27	Fine	
HR17-OU2-R5-098	15.2	69.2	-73.609207	42.990642	Sampled	2	6	Fine	Mussels noted in sample.
HR17-OU2-R5-099	14.8	69.6	-73.608384	42.991721	Sampled	2	8	Coarse	Woody debris in sample.
HR17-OU2-R5-100	9.6	74.8	-73.607021	42.991684	Sampled	1	14	Fine	
HR17-OU2-R5-101	16.5	67.9	-73.609183	42.992765	Sampled	1	10	Fine	Mussels noted in sample.
HR17-OU2-R5-102	11.3	73.1	-73.607613	42.99273	Sampled	1	6	Coarse	Mussels noted in sample.
HR17-OU2-R5-103	8.5	75.9	-73.606905	42.993756	Sampled	1	26	Fine	Mussels noted in sample.
HR17-OU2-R5-104	14.7	69.7	-73.609071	42.994806	Sampled	2	18	Fine	Mussels noted in sample.
HR17-OU2-R5-105	12.2	72.2	-73.607528	42.994789	Sampled	3	12	Coarse	
HR17-OU2-R5-106	16.6	67.8	-73.608326	42.995824	Sampled	1	18	Fine	
HR17-OU2-R5-107	10.2	74.2	-73.606738	42.995828	Sampled	1	24	Fine	Mussels noted in sample.
HR17-OU2-R5-108	9.2	75.2	-73.608319	42.997891	Sampled	1	36	Fine	
HR17-OU2-R5-109	12.8	71.6	-73.60664	42.997875	Sampled	2	10	Coarse	Mussels noted in sample.
HR17-OU2-R5-110	20.2	64.2	-73.607484	42.998885	Sampled	1	NA	NA	No sediment probe due to water depth.
HR17-OU2-R5-111	10.0	74.4	-73.605973	42.998951	Sampled	3	20	Fine	Woody debris in sample.
HR17-OU2-R5-112	17.7	66.7	-73.605878	43.000903	Sampled	1	6	Coarse	
HR17-OU2-R5-113	17.8	66.6	-73.605006	43.001956	Sampled	1	36	Fine	
HR17-OU2-R5-114	20.4	64.0	-73.603375	43.003981	Sampled	1	NA	NA	No sediment probe due to water depth.
HR17-OU2-R5-115	16.0	68.4	-73.601882	43.003976	Sampled	2	32	Fine	
HR17-OU2-R5-116	15.2	69.2	-73.602534	43.005015	Sampled	1	72	Fine	Mussels noted in sample.

**Table 2-1D Sediment Sample Coordinates and Field Notes,
Reach 5 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R5-117	19.8	64.6	-73.601199	43.005152	Abandoned	6	13	Fine	Minimal recovery due to rock/debris in jaws; washout.
HR17-OU2-R5-118	20.4	64.7	-73.600113	43.005998	Sampled	1	NA	NA	No probe taken due to water depth >20ft.
HR17-OU2-R5-119	7.2	77.9	-73.599333	43.007068	Sampled	2	24	Fine	
HR17-OU2-R5-120	19.7	65.4	-73.597675	43.007272	Sampled	6	36	Fine	
HR17-OU2-R5-121	16.1	69.1	-73.596042	43.009048	Sampled	2	12	Coarse	Mussels noted in sample.
HR17-OU2-R5-122	7.7	77.5	-73.596766	43.010103	Sampled	1	12	Fine	Woody debris, root matter. Mussels noted in sample.
HR17-OU2-R5-123	15.7	69.5	-73.595242	43.010056	Sampled	2	3	Coarse	Woody debris in sample.
HR17-OU2-R5-124	17.9	67.3	-73.596008	43.011125	Sampled	1	6	Coarse	Insect larvae in sample.
HR17-OU2-R5-125	11.6	73.6	-73.594357	43.011114	Sampled	2	12	Fine	
HR17-OU2-R5-126	19.2	66.0	-73.594369	43.013144	Sampled	1	8	Coarse	
HR17-OU2-R5-127	17.8	67.4	-73.594167	43.015082	Sampled	4	6	Coarse	Woody debris in sample. Mussels noted in sample.
HR17-OU2-R5-128	12.8	72.4	-73.592717	43.015186	Sampled	3	12	Coarse	Well rounded shale and insect larvae in sample.
HR17-OU2-R5-129	8.9	76.3	-73.591978	43.016203	Sampled	1	12	Fine	
HR17-OU2-R5-130	15.8	69.4	-73.59269	43.01721	Sampled	1	2	Coarse	Woody debris in sample.
HR17-OU2-R5-131	10.8	74.3	-73.593487	43.018296	Sampled	1	12	Fine	SAV roots in sample. Mussels noted in sample.
HR17-OU2-R5-132	19.7	65.4	-73.59192	43.018209	Sampled	3	12	Coarse	
HR17-OU2-R5-133	11.4	73.7	-73.59267	43.01927	Sampled	1	18	Coarse	Larvae in sample.
HR17-OU2-R5-134	22.3	62.8	-73.591046	43.019255	Sampled	1	NA	NA	Snail shell in sample.
HR17-OU2-R5-135	20.0	65.1	-73.590979	43.021335	Sampled	1	NA	NA	No probe due to water depth.
HR17-OU2-R5-136	15.1	70.0	-73.591799	43.022344	Sampled	1	18	Coarse	Woody debris in sample. Mussels noted in sample.
HR17-OU2-R5-137	19.7	65.4	-73.590443	43.022229	Sampled	4	1	Rock	Mussels noted in sample. Probing indicated cobble.
HR17-OU2-R5-138	17.2	67.9	-73.590978	43.023392	Sampled	1	4	Coarse	
HR17-OU2-R5-139	19.2	65.9	-73.591765	43.02443	Sampled	2	4	Coarse	Mussels noted in sample.
HR17-OU2-R5-140	15.2	69.9	-73.590948	43.025433	Sampled	1	18	Coarse	
HR17-OU2-R5-141	17.6	67.5	-73.591725	43.026473	Sampled	1	12	Coarse	Mulch and woody debris in sample.
HR17-OU2-R5-142	12.7	72.4	-73.590877	43.027503	Sampled	3	24	Coarse	
HR17-OU2-R5-143	19.9	65.2	-73.592501	43.02956	Sampled	1	12	Fine	Mussels noted in sample.
HR17-OU2-R5-144	6.4	78.7	-73.590947	43.029529	Sampled	2	36	Fine	Insect larvae in sample. Mussels noted in sample.
HR17-OU2-R5-145	17.1	68.0	-73.591699	43.03055	Sampled	2	8	Coarse	Woody debris in sample.
HR17-OU2-R5-146	16.4	68.7	-73.592593	43.031524	Sampled	4	6	Coarse	Mussels noted in sample.
HR17-OU2-R5-147	8.2	76.9	-73.590901	43.031598	Sampled	1	8	Fine	Some SAV in sample. Mussels noted in sample.
HR17-OU2-R5-148	17.5	67.6	-73.592419	43.033712	Sampled	3	4	Coarse	Insect larvae in sample. Mussels noted in sample.
HR17-OU2-R5-149	9.2	75.9	-73.590793	43.033653	Sampled	2	18	Coarse	
HR17-OU2-R5-150	17.3	67.6	-73.591651	43.034657	Sampled	1	18	Fine	
HR17-OU2-R5-151	17.2	67.7	-73.591624	43.03669	Sampled	1	12	Fine	Worms/insects in sample.
HR17-OU2-R5-152	18.6	66.3	-73.590068	43.036658	Sampled	1	7	Transitional	Some woody debris throughout in sample.
HR17-OU2-R5-153	10.3	74.6	-73.590817	43.037737	Sampled	1	36	Fine	
HR17-OU2-R5-154	20.9	64.0	-73.589203	43.037745	Sampled	1	NA	NA	No probe over 20' water depth.
HR17-OU2-R5-155	25.4	59.5	-73.588329	43.038718	Sampled	1	NA	NA	No probe over 20' water depth. 6 mussels.
HR17-OU2-R5-156	11.9	71.8	-73.589132	43.039829	Sampled	1	48	Fine	Aquatic invertebrates and leaves/roots in sample.
HR17-OU2-R5-157	NA	NA	-73.590378	43.040167	Removed	0	NA	NA	Location removed from sampling program. Sampling not attempted at this location.
HR17-OU2-R5-158	15.2	68.5	-73.588325	43.040813	Sampled	1	24	Fine	
HR17-OU2-R5-159	18.7	65.0	-73.586686	43.042857	Sampled	1	30	Fine	Aquatic invertebrates and trace medium to fine sand in sample.
HR17-OU2-R5-160	19.6	64.1	-73.587425	43.043907	Sampled	2	18	Fine	Grab was washed out due to piece of wood in jaws. Woody debris in sample.
HR17-OU2-R5-161	0.7	83.1	-73.585909	43.043733	Sampled	1	180	Fine	Significant SAV present; invertebrates, mussels in sample.
HR17-OU2-R5-162	6.4	77.3	-73.586667	43.044915	Sampled	1	27	Fine	Some organic matter in sample (leaves/roots).
HR17-OU2-R5-163	14.0	69.7	-73.587444	43.045932	Sampled	1	12	Coarse	One mussel in sample.
HR17-OU2-R5-164	22.3	61.4	-73.588207	43.046962	Sampled	1	NA	NA	Location too deep to probe (22.3 ft.).
HR17-OU2-R5-165	7.3	76.4	-73.586552	43.046957	Sampled	3	30	Fine	Wood caught in jaws. Sample contained woody debris and SAV One mussel.
HR17-OU2-R5-166	21.0	62.7	-73.587373	43.047933	Sampled	3	NA	NA	Gravel caught in jaws (first two grabs) with significant washout. Aquatic invertebrates in sample.
HR17-OU2-R5-167	22.8	60.9	-73.586611	43.049193	Sampled	2	NA	NA	Trace woody debris and a few 1 cm clam shells in sample. 2 attempts made and homogenized to generate enough sediment for field duplicate.
HR17-OU2-R5-168	18.6	65.1	-73.585726	43.050048	Sampled	2	4	Fine	Woody debris in jaws of first drop causing washout.
HR17-OU2-R5-169	6.3	77.4	-73.587501	43.050936	Sampled	1	24	Fine	SAV in sample.
HR17-OU2-R5-170	14.6	69.1	-73.584878	43.051077	Sampled	1	24	Fine	
HR17-OU2-R5-171	6.1	77.6	-73.588481	43.05158	Sampled	2	60	NA	SAV, high water content.
HR17-OU2-R5-172	9.1	74.6	-73.582527	43.052074	Sampled	1	18	Fine	One mussel found in sample.
HR17-OU2-R5-173	15.6	68.1	-73.580675	43.051992	Sampled	4	12	Fine	Stuck in jaws on first 3 attempts, moved to new location ~50 ft. E for fourth attempt.
HR17-OU2-R5-174	19.9	63.8	-73.580252	43.053187	Sampled	6	6	Coarse	Rocks caught in jaw on first three attempts. Mussels noted in sample.

**Table 2-1D Sediment Sample Coordinates and Field Notes,
Reach 5 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R5-175	22.7	61.0	-73.579257	43.054035	Sampled	4	NA	NA	Wood caught in jaws of first three attempts.
HR17-OU2-R5-176	5.8	77.9	-73.578945	43.056145	Sampled	1	12	Fine	Two small aquatic invertebrates.
HR17-OU2-R5-177	19.6	64.3	-73.577636	43.056116	Sampled	1	12	Transitional	Mussels in sample.
HR17-OU2-R5-178	9.0	74.9	-73.578367	43.057154	Sampled	1	24	Fine	Small aquatic invertebrates and trace woody debris.
HR17-OU2-R5-179	12.2	71.7	-73.576737	43.057144	Sampled	2	25	Fine	Two grabs collected to generate enough sediment for field dup. Small insects in sample.
HR17-OU2-R5-180	15.5	68.4	-73.57832	43.059171	Sampled	1	18	Coarse	
HR17-OU2-R5-181	3.6	80.3	-73.576875	43.059147	Sampled	1	30	Fine	Small aquatic invertebrates.
HR17-OU2-R5-182	14.8	69.1	-73.579088	43.06025	Sampled	3	18	Fine	Pebbles in jaws on first two attempts causing washout of fine sediments. Mussels noted in sample.
HR17-OU2-R5-183	6.5	77.4	-73.577539	43.060219	Sampled	1	16	Fine	Thick SAV ~50 ft. E. SAV in grab but not in top 2 inches.
HR17-OU2-R5-184	12.9	71.0	-73.579917	43.061236	Sampled	1	4	Transitional	Mussels noted in sample.
HR17-OU2-R5-185	11.8	72.1	-73.580586	43.062227	Sampled	3	18	Fine	First grab landed on bank at steep angle rejected to get a more representative sample; second grab had pebble in jaw, washed out; woody debris in sample. Mussels noted in sample.
HR17-OU2-R5-186	9.0	74.7	-73.579031	43.06226	Sampled	1	28	Fine	Mussels noted in sample.
HR17-OU2-R5-187	13.4	70.3	-73.579932	43.06324	Sampled	3	14	Fine	Gravel caught in jaws on first grab, causing significant washout. Used composite of sediment from grabs 2 and 3. One mussel in sample.
HR17-OU2-R5-188	14.8	68.9	-73.580677	43.064317	Sampled	2	12	Coarse	Aquatic invertebrates in sample.
HR17-OU2-R5-189	15.2	68.5	-73.581424	43.065175	Sampled	6	4	Coarse	Minimal recovery due to cobble in jaws. Mussels noted in sample.
HR17-OU2-R5-190	7.6	76.9	-73.58063	43.066423	Sampled	2	15	Fine	Unmodified Van Veen used 1st grab rejected due to mussel caught in jaws. Woody debris in sample.
HR17-OU2-R5-191	17.6	66.3	-73.582218	43.068418	Sampled	3	6	Transitional	First grab comprised of a few cobbles Sample is composite of grabs 2 and 3. Mussels noted in sample.
HR17-OU2-R5-192	7.2	77.3	-73.581162	43.069542	Sampled	3	30	Fine	Unmodified Van Veen used. Woody debris. Mussels noted in sample.
HR17-OU2-R5-193	12.9	71.6	-73.581094	43.071508	Sampled	2	4	Transitional	Unmodified Van Veen used. Cobbles in first grab. Twigs in sample. Blue gal drum on shore to the starboard most likely used as floatation from a nearby dock.
HR17-OU2-R5-194	13.1	71.2	-73.58199	43.072544	Sampled	5	24	Fine	5 mussels, SAV, 30ft from sample location
HR17-OU2-R5-195	7.3	77.2	-73.580456	43.072532	Sampled	2	30	Fine	Unmodified Van Veen used. Twigs in samples.
HR17-OU2-R5-196	6.9	77.6	-73.57975	43.073582	Sampled	1	6	Fine	Unmodified Van Veen used. Mussels, worms, and SAV in sample.
HR17-OU2-R5-197	11.0	73.3	-73.58044	43.074764	Abandoned	6	10	Coarse	No recovery due to rock in jaws. Mussels noted.
HR17-OU2-R5-198	4.0	80.5	-73.578974	43.074616	Sampled	1	6	Fine	Unmodified Van Veen used. Leaves and twigs in sample.
HR17-OU2-R5-199	8.8	75.7	-73.578313	43.075768	Sampled	2	30	Fine	Unmodified Van Veen used.
HR17-OU2-R5-200	10.3	73.6	-73.578745	43.076783	Sampled	4	6	Transitional	Large cobbles, mussels, and trace woody debris in sample.
HR17-OU2-R5-201	9.1	75.4	-73.577296	43.076732	Sampled	3	18	Transitional	Unmodified Van Veen used. Cobbles in jaw prevented grab on first attempt 2nd attempt empty. Probe transitional from fine to coarse.
HR17-OU2-R5-202	3.8	80.7	-73.576586	43.077581	Sampled	1	12	Transitional	Unmodified Van Veen used. Woody debris in sample.
HR17-OU2-R5-203	12.1	72.4	-73.577312	43.078724	Sampled	2	30	Fine	Unmodified Van Veen used. Woody debris caught in jaw of first attempt. Sample has mussels and woody debris/leaves in sample.
HR17-OU2-R5-204	5.3	79.3	-73.577855	43.079694	Sampled	1	30	Fine	Some SAV. Unmodified Van Veen used.
HR17-OU2-R5-205	15.0	69.5	-73.576421	43.079694	Sampled	2	2	Coarse	Pebbles caught in jaw on 1st attempt, load rejected. Unmodified Van Veen used. Mussels noted in sample.
HR17-OU2-R5-206	7.4	77.2	-73.577559	43.080706	Abandoned	6	2	Coarse	After 3 attempts moved to new location ~80 ft. SW due to cobbles in jaw; no recovery/insufficient material in next three attempts. Used unmodified Van Veen.
HR17-OU2-R5-207	15.7	68.8	-73.575639	43.08063	Sampled	2	3	Coarse	Unmodified Van Veen used. Cobbles caught in jaw during first attempt.
HR17-OU2-R5-208	15.8	68.1	-73.574983	43.081632	Sampled	6	6	Transitional	First three grabs had large cobbles and pieces of shale in jaws. Moved to new location where next three grabs had smaller gravel. Fourth grab unusable due to large amounts of washout. Sample taken from grabs 5 and 6. Mussels noted in sample.
HR17-OU2-R5-209	7.0	77.3	-73.575568	43.082998	Abandoned	6	12	Coarse	No recovery due to rock in jaws. Mussels noted.
HR17-OU2-R5-210	8.0	76.6	-73.57807	43.083839	Sampled	2	24	Fine	Unmodified Van Veen used.
HR17-OU2-R5-211	14.3	69.6	-73.574748	43.083797	Sampled	1	3	Transitional	
HR17-OU2-R5-212	6.0	78.6	-73.578029	43.085911	Sampled	4	18	Fine	SAV. Trace organic odor. Unmodified Van Veen used.
HR17-OU2-R5-213	15.7	68.2	-73.576023	43.085873	Sampled	6	3	NA	First three attempts had gravel in jaws causing washout of fine sediments. Moved to new location ft. E of original collection point. One mussel in the fourth attempt; rejected load.
HR17-OU2-R5-214	8.5	76.1	-73.578168	43.087857	Sampled	5	4	Coarse	Shoaling area.
HR17-OU2-R5-215	6.3	78.3	-73.578777	43.089094	Sampled	3	18	Fine	
HR17-OU2-R5-216	15.0	69.6	-73.577663	43.089964	Abandoned	6	18	Fine	No recovery due to rock in jaws.
HR17-OU2-R5-217	4.5	80.1	-73.578474	43.091206	Abandoned	6	1	Coarse	After 3 attempts moved ~70ft N; no recovery/insufficient material in next three attempts.
HR17-OU2-R5-218	16.3	68.3	-73.57773	43.092191	Abandoned	6	2	Coarse	After 3 attempts failed attempts (due to cobbles in jaws) moved N/NE ~85 ft.; no recovery/insufficient material in next three attempts.
HR17-OU2-R5-219	4.2	80.6	-73.578427	43.092951	Sampled	1	7	Fine	Unmodified Van Veen used.
HR17-OU2-R5-220	16.9	67.4	-73.576856	43.092974	Sampled	3	3	Coarse	1st attempt was unsuccessful, 2nd attempt yielded most volume, 3rd attempt was used to add more volume. Mussel shell was found.
HR17-OU2-R5-221	5.3	79.5	-73.577718	43.094058	Sampled	1	13.2	Fine	Lots of turtles sunning nearby and SAV in sample
HR17-OU2-R5-222	15.3	69.0	-73.576393	43.094243	Abandoned	6	3	Coarse	Minimal recovery due to rock/debris in jaws; washout.
HR17-OU2-R5-223	7.0	77.8	-73.577111	43.095087	Sampled	3	12	Fine	Trace SAV in sample.
HR17-OU2-R5-224	15.2	69.4	-73.575304	43.095185	Abandoned	6	0	Coarse	After 3 attempts moved to new location N; no recovery/insufficient material in next three attempts. Used unmodified Van Veen.
HR17-OU2-R5-225	8.3	76.1	-73.575972	43.096087	Abandoned	6	3	Transitional	No recovery due to cobbles in jaws.
HR17-OU2-R5-226	11.2	73.2	-73.575935	43.096998	Sampled	3	2	Coarse	3 attempts not enough volume; new location 3 more attempts
HR17-OU2-R5-227	21.5	62.9	-73.573814	43.097219	Abandoned	6	2	Coarse	No recovery due to cobbles in jaws.
HR17-OU2-R5-228	18.6	66.2	-73.573858	43.097922	Sampled	6	30	Coarse	3 attempts not enough volume; new location 3 more attempts
HR17-OU2-R5-229	7.7	76.0	-73.575999	43.098183	Sampled	2	42	Fine	Mussel shells. Ponar used to collect sample.
HR17-OU2-R5-230	6.7	78.1	-73.572997	43.098229	Sampled	2	16	Fine	

**Table 2-1D Sediment Sample Coordinates and Field Notes,
Reach 5 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R5-231	5.0	78.8	-73.575319	43.099175	Abandoned	6	6	Rock	After 3 attempts, moved to new location ~60ft NE; no recovery/insufficient material in next three attempts. Probing indicated cobble.
HR17-OU2-R5-232	11.6	73.2	-73.573594	43.099301	Sampled	6	1	Coarse	Large cobbles in each of the six attempts. Mussels noted in sample.
HR17-OU2-R5-233	7.0	76.7	-73.575152	43.101161	Sampled	2	12	Fine	Mussels noted in sample. Ponar used to collect sample.
HR17-OU2-R5-234	15.0	69.8	-73.573457	43.101171	Sampled	6	1	Coarse	1st 3 attempts- just enough, gravel, some coarse sand. Next 3- no recovery. Used volume from first three attempts.
HR17-OU2-R5-235	11.3	72.4	-73.574468	43.102445	Sampled	6	3	Coarse	After 3 attempts could not obtain adequate sample volume, moved station and collected 3 more attempts, recovered usable sample on 6th attempt. Ponar used to collect sample.
HR17-OU2-R5-236	6.0	78.8	-73.575144	43.103353	Sampled	2	24	Fine	Woody debris in sample. Mussels noted in sample.
HR17-OU2-R5-237	20.2	64.6	-73.574567	43.104374	Sampled	3	NA	NA	1st attempt: gravel (not enough), 2nd: gravel w/coarse sand, 3rd: small rocks. Probe info not collected because of water depth.
HR17-OU2-R5-238	11.0	73.8	-73.575062	43.105142	Abandoned	6	1	Rock	Minimal recovery due to rocks in jaws or empty. Probing indicated cobble.
HR17-OU2-R5-239	17.6	67.2	-73.575328	43.106753	Abandoned	6	3	Coarse	Minimal recovery due to cobbles in jaws or empty. Mussels noted in sample.
HR17-OU2-R5-240	1.9	82.1	-73.57462	43.114293	Abandoned	6	25	Coarse	Could not approach target location due to downed trees. First location ~125 ft. from target. After 3 unsuccessful grabs, moved to new location ~10 ft. N of first location (~133 ft. from target); no recovery/insufficient material in next three attempts.
HR17-OU2-R5-241	2.9	80.8	-73.57478	43.115535	Abandoned	6	4	Transitional	Could not reach target location due to shallow water. First grabs ~80 ft. from target. After 3 grabs with cobble, moved to new location ~74 ft. from target; no recovery/insufficient material in next three attempts.
HR17-OU2-R5-242	3.4	80.4	-73.576212	43.116162	Sampled	6	6	Coarse	After 3 empty grabs, moved to new location ~92 ft. W.
HR17-OU2-R5-243	4.7	79.0	-73.576528	43.117059	Abandoned	6	1	Rock	After three grabs with no sediment, moved to new location ~55ft SE; no recovery/insufficient material in next three attempts. Probing indicated cobble.
HR17-OU2-R5-244	NA	NA	-73.579174	43.118232	Removed	0	NA	NA	Location removed from sampling program. Sampling not attempted at this location.
HR17-OU2-R5-245	3.4	80.3	-73.577493	43.118191	Sampled	3	18	Coarse	Mussels and worms in sample. Sample is composite of grabs 2 and 3.
HR17-OU2-R5-246	NA	NA	-73.581657	43.119309	Removed	0	NA	NA	Fast current, rapids, rocky outcrops, and shallow water depths prevented access to location. Sampling not attempted at this location.
HR17-OU2-R5-247	7.0	77.0	-73.578472	43.119379	Sampled	6	2	Transitional	After 3 empty grabs, moved to new location ~55 ft. N. Fast current, shallow waters, rocky outcrops around location.
HR17-OU2-R5-248	NA	NA	-73.582474	43.120373	Removed	0	NA	NA	Fast current, rapids, rocky outcrops, and shallow water depths prevented access to location. Sampling not attempted at this location.
HR17-OU2-R5-249	15.8	68.2	-73.5795	43.120465	Abandoned	6	1	Rock	After three unsuccessful grabs, moved ~95 ft. NW; no recovery/insufficient material in next three attempts. Location ~150-200 ft. E of rapids. Probing indicated bedrock.
HR17-OU2-R5-250	NA	NA	-73.583292	43.121436	Removed	0	NA	NA	Fast current, rapids, rocky outcrops, and shallow water depths prevented access to location. Sampling not attempted at this location.
HR17-OU2-R5-251	NA	NA	-73.581626	43.121423	Removed	0	NA	NA	Fast current, rapids, rocky outcrops, and shallow water depths prevented access to location. Sampling not attempted at this location.
HR17-OU2-R5-252	11.9	72.1	-73.580047	43.121179	Abandoned	6	1	Rock	Minimal to no recovery due to rocks in jaws or empty. Probing indicated bedrock.
HR17-OU2-R5-253	9.0	76.1	-73.589828	43.052158	Sampled	1	60	Fine	SAV roots in sample.
HR17-OU2-R5-254	5.4	79.7	-73.591591	43.053167	Sampled	2	19.2	Fine	
HR17-OU2-R5-255	5.1	80.0	-73.592764	43.054556	Sampled	1	84	Fine	Snail shells in sample.
HR17-OU2-R5-256	8.7	76.4	-73.593137	43.056085	Sampled	1	84	Fine	
HR17-OU2-R5-257	11.9	73.2	-73.592982	43.057514	Sampled	1	63.6	Fine	
HR17-OU2-R5-OC1	N/A	80.5	-73.580119	43.098802	Sampled	1	NA	NA	Push core R5-OC1-PC (core) collected at 15:26. 20.5 in recovery. No moisture content for core grab in sample. Ponar used to collect sample.
HR17-OU2-R5-OC2	N/A	80.6	-73.580287	43.099148	Sampled	1	NA	NA	SAV in sample. Ponar used to collect sample.
HR17-OU2-R5-OC3	N/A	82.5	-73.579922	43.100402	Sampled	1	NA	NA	SAV in sample. Ponar used to collect sample.
HR17-OU2-R5-OC4	N/A	83.0	-73.579506	43.10087	Sampled	1	NA	NA	SAV in ponar grab. Push core silt with some clay. Ponar used to collect sample.
HR17-OU2-R5-OC5	N/A	83.7	-73.578594	43.101695	Sampled	1	NA	NA	SAV and woody debris in sample. Ponar used to collect sample.
HR17-OU2-R5-OC6	N/A	81.4	-73.577607	43.10275	Sampled	1	NA	NA	Push core R5-OC6-PC, 16.5 in. recovery. Ponar used to collect sample.

Note:
1. In the event that after three attempts a sample could not be collected from the original target location, the field crew attempted to sample at a location within a 100-ft radius of the original target location. A sample location was abandoned after six failed attempts. Coordinates were recorded for the sampled location; the coordinates for the abandoned/removed locations are the original target points.
NA = Not applicable.
SAV = Submerged aquatic vegetation.

**Table 2-1E Sediment Sample Coordinates and Field Notes,
Reach 4 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R4-001	NA	NA	-73.676206	42.91218	Removed	0	NA	NA	Heavily vegetated area - both SAV and surface. Could not access locations safely. Sampling not attempted at this location.
HR17-OU2-R4-002	16.6	53.9	-73.677403	42.91267	Sampled	4	36	Fine	Target location plotted on lock wall. Woody debris in sample.
HR17-OU2-R4-003	12.0	58.5	-73.676803	42.912653	Sampled	1	72	Fine	Target location plotted on lock wall.
HR17-OU2-R4-004	NA	NA	-73.675873	42.912594	Removed	0	NA	NA	Heavily vegetated area - both SAV and surface. Could not access locations safely. Sampling not attempted at this location.
HR17-OU2-R4-005	NA	NA	-73.675218	42.91259	Removed	0	NA	NA	Heavily vegetated area - both SAV and surface. Could not access locations safely. Sampling not attempted at this location.
HR17-OU2-R4-006	21.2	49.3	-73.676609	42.913123	Sampled	4	NA	NA	Location too deep to probe (>20 ft.).
HR17-OU2-R4-007	13.1	57.4	-73.6764	42.913085	Sampled	1	32	Fine	Adjacent to SAV patch.
HR17-OU2-R4-008	NA	NA	-73.67554	42.913009	Removed	0	NA	NA	Heavily vegetated area - both SAV and surface. Could not access locations safely. Sampling not attempted at this location.
HR17-OU2-R4-009	NA	NA	-73.674885	42.913004	Removed	0	NA	NA	Heavily vegetated area - both SAV and surface. Could not access locations safely. Sampling not attempted at this location.
HR17-OU2-R4-010	21.2	49.3	-73.676482	42.913407	Sampled	1	NA	NA	Location too deep to probe (>20 ft.).
HR17-OU2-R4-011	15.2	55.3	-73.676161	42.91341	Sampled	1	36	Fine	
HR17-OU2-R4-012	NA	NA	-73.675207	42.913423	Removed	0	NA	NA	Heavily vegetated area - both SAV and surface. Could not access locations safely. Sampling not attempted at this location.
HR17-OU2-R4-013	NA	NA	-73.674552	42.913419	Removed	0	NA	NA	Heavily vegetated area - both SAV and surface. Could not access locations safely. Sampling not attempted at this location.
HR17-OU2-R4-014	19.4	50.9	-73.679896	42.913847	Sampled	2	24	Fine	Target coordinates as well as a majority of target radius plot on land; could only sample in a small section of radius.
HR17-OU2-R4-015	19.9	50.4	-73.679256	42.913965	Sampled	4	6	Fine	Leafy debris/root matter in sample.
HR17-OU2-R4-016	20.4	49.9	-73.678922	42.913888	Sampled	1	14	Fine	
HR17-OU2-R4-017	15.5	54.8	-73.678249	42.913829	Sampled	3	20	Fine	
HR17-OU2-R4-018	14.8	55.5	-73.677454	42.913874	Sampled	1	18	Fine	Insects, leafy debris, and wood debris in sample.
HR17-OU2-R4-019	17.7	52.6	-73.676834	42.913849	Sampled	1	18	Fine	
HR17-OU2-R4-020	17.8	52.5	-73.676383	42.91375	Sampled	1	48	Fine	
HR17-OU2-R4-021	15.0	55.5	-73.67555	42.913826	Sampled	1	20	Fine	
HR17-OU2-R4-022	NA	NA	-73.674874	42.913838	Removed	0	NA	NA	Heavily vegetated area - both SAV and surface. Could not access locations safely. Sampling not attempted at this location.
HR17-OU2-R4-023	NA	NA	-73.674219	42.913833	Removed	0	NA	NA	Heavily vegetated area - both SAV and surface. Could not access locations safely. Sampling not attempted at this location.
HR17-OU2-R4-024	18.1	52.2	-73.679612	42.914321	Sampled	1	24	Fine	Mussels noted in sample.
HR17-OU2-R4-025	15.2	55.1	-73.679097	42.914271	Sampled	1	18	Fine	
HR17-OU2-R4-026	9.9	60.4	-73.678362	42.914396	Sampled	1	18	Fine	
HR17-OU2-R4-027	12.4	57.9	-73.677789	42.914181	Abandoned	6	18	Fine	Minimal to no recovery due to rocks in jaws; washout.
HR17-OU2-R4-028	15.0	55.5	-73.676903	42.914325	Sampled	6	48	Fine	Woody debris in sample.
HR17-OU2-R4-029	16.8	53.7	-73.676612	42.914303	Sampled	2	30	Fine	Some small clams and woody debris in sample.
HR17-OU2-R4-030	16.4	53.9	-73.675867	42.914272	Sampled	1	29	Fine	Detritus and woody debris in sample.
HR17-OU2-R4-031	15.8	54.5	-73.67541	42.914361	Sampled	1	33	Fine	Detritus in sample.
HR17-OU2-R4-032	11.0	59.5	-73.674694	42.914356	Sampled	1	60	Fine	
HR17-OU2-R4-033	16.5	54.0	-73.679382	42.914724	Sampled	1	24	Fine	
HR17-OU2-R4-034	9.4	60.8	-73.678699	42.914667	Sampled	3	12	Coarse	
HR17-OU2-R4-035	10.7	59.5	-73.678155	42.914693	Sampled	1	21	Fine	Mussels noted in sample.
HR17-OU2-R4-036	9.4	60.8	-73.677506	42.914554	Sampled	3	17	Fine	
HR17-OU2-R4-037	12.3	57.9	-73.676761	42.914744	Sampled	1	19	Fine	
HR17-OU2-R4-038	16.1	54.1	-73.676151	42.91454	Sampled	3	12	Fine	Woody debris and detritus in sample.
HR17-OU2-R4-039	16.2	54.1	-73.675586	42.914628	Sampled	1	28	Fine	Woody debris, detritus, and insect in sample.
HR17-OU2-R4-040	12.0	58.5	-73.674247	42.914706	Sampled	1	75	Fine	Adjacent to SAV patch.
HR17-OU2-R4-041	14.5	56.0	-73.679109	42.915138	Sampled	1	27	Fine	
HR17-OU2-R4-042	8.5	61.7	-73.678282	42.915062	Sampled	3	60	Fine	SAV in sample.
HR17-OU2-R4-043	10.1	60.1	-73.677735	42.915124	Sampled	1	72	Fine	
HR17-OU2-R4-044	7.9	62.3	-73.677312	42.915058	Sampled	3	16	Fine	
HR17-OU2-R4-045	8.1	62.1	-73.676669	42.914968	Abandoned	6	6	Coarse	Minimal to no recovery due to rocks in jaws; washout.
HR17-OU2-R4-046	15.8	54.4	-73.675829	42.915085	Sampled	1	8	Fine	
HR17-OU2-R4-047	15.5	54.8	-73.675207	42.915256	Sampled	1	5.5	Fine	Detritus and woody debris in sample.
HR17-OU2-R4-048	15.4	54.9	-73.674511	42.91517	Sampled	1	19	Fine	Detritus and woody debris in sample.
HR17-OU2-R4-049	12.9	57.4	-73.674126	42.915133	Sampled	1	42	Fine	SAV in sample.
HR17-OU2-R4-050	14.0	56.5	-73.678528	42.915402	Sampled	6	60	Fine	Outfall to North of sample location.
HR17-OU2-R4-051	12.5	57.8	-73.678135	42.915571	Sampled	5	40	Fine	
HR17-OU2-R4-052	8.5	61.8	-73.677219	42.915331	Sampled	5	24	Fine	
HR17-OU2-R4-053	6.9	63.3	-73.677104	42.915482	Sampled	3	3	Coarse	SAV in sample.
HR17-OU2-R4-054	14.6	55.6	-73.676104	42.915408	Sampled	1	13	Coarse	
HR17-OU2-R4-055	16.8	53.1	-73.67566	42.915546	Sampled	3	18	Coarse	One attempt failed due to washout, second attempt failed due to rock in jaws. Detritus in sample.
HR17-OU2-R4-056	15.0	55.3	-73.675009	42.915602	Sampled	1	19	Fine	Detritus and woody debris in sample.
HR17-OU2-R4-057	15.4	54.9	-73.674211	42.915446	Sampled	1	20	Fine	Detritus in sample.
HR17-OU2-R4-058	13.7	56.5	-73.673587	42.915406	Sampled	1	30	Fine	

**Table 2-1E Sediment Sample Coordinates and Field Notes,
Reach 4 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R4-059	11.6	58.9	-73.678465	42.91589	Sampled	2	36	Fine	
HR17-OU2-R4-060	18.5	51.8	-73.67783	42.916054	Sampled	1	12	Coarse	
HR17-OU2-R4-061	6.2	64.1	-73.676961	42.915943	Sampled	1	40	Fine	SAV in sample.
HR17-OU2-R4-062	6.6	63.7	-73.676523	42.915847	Sampled	1	18	Fine	SAV and aquatic/benthic organisms in sample.
HR17-OU2-R4-063	17.0	53.3	-73.675943	42.91591	Sampled	1	3	Coarse	SAV in sample.
HR17-OU2-R4-064	15.3	54.9	-73.675259	42.915828	Sampled	1	24	Fine	
HR17-OU2-R4-065	15.7	54.6	-73.674654	42.916038	Sampled	1	19	Coarse	
HR17-OU2-R4-066	15.7	54.6	-73.673917	42.915899	Sampled	1	11	Fine	Detritus and woody debris in sample.
HR17-OU2-R4-067	13.4	56.8	-73.673145	42.915908	Sampled	1	24	Fine	Adjacent to SAV patch.
HR17-OU2-R4-068	14.6	55.7	-73.677536	42.916187	Sampled	1	12	Fine	
HR17-OU2-R4-069	8.1	62.2	-73.676844	42.916177	Abandoned	6	1	Transitional	Minimal to no recovery due to rocks in jaws; washout.
HR17-OU2-R4-070	8.4	61.9	-73.676191	42.916398	Sampled	3	9	Coarse	
HR17-OU2-R4-071	9.3	61.0	-73.675531	42.916382	Sampled	1	4	Coarse	
HR17-OU2-R4-072	13.7	56.5	-73.675063	42.916314	Sampled	1	54	Fine	
HR17-OU2-R4-073	15.7	54.8	-73.674173	42.916432	Sampled	1	18	Coarse	
HR17-OU2-R4-074	15.7	54.6	-73.67366	42.916337	Sampled	1	14	Fine	Detritus in sample.
HR17-OU2-R4-075	13.2	57.0	-73.672852	42.916386	Sampled	1	30	Fine	
HR17-OU2-R4-076	4.9	65.9	-73.672312	42.916307	Sampled	1	30	Fine	SAV in sample. Ponar used to collect sample.
HR17-OU2-R4-077	18.5	52.0	-73.677839	42.916292	Sampled	2	24	Fine	
HR17-OU2-R4-078	9.5	60.8	-73.677407	42.916726	Sampled	2	3	Coarse	SAV in sample.
HR17-OU2-R4-079	11.7	58.6	-73.676676	42.916703	Sampled	1	7	Fine	
HR17-OU2-R4-080	6.1	64.2	-73.675882	42.916925	Sampled	1	24	Fine	SAV in sample.
HR17-OU2-R4-081	8.3	62.5	-73.674842	42.916829	Sampled	2	7	Coarse	
HR17-OU2-R4-082	14.8	56.0	-73.674412	42.916845	Sampled	1	7	Coarse	
HR17-OU2-R4-083	14.4	56.1	-73.673985	42.916888	Sampled	3	18	Fine	First two attempts failed due to washout. Some insect larvae in sample.
HR17-OU2-R4-084	13.8	56.4	-73.672449	42.916796	Sampled	1	24	Fine	
HR17-OU2-R4-085	4.6	66.2	-73.671925	42.91665	Sampled	1	18	Fine	SAV in sample. Ponar used to collect sample.
HR17-OU2-R4-086	11.8	58.7	-73.67677	42.91718	Sampled	2	12	Coarse	
HR17-OU2-R4-087	9.9	60.9	-73.676101	42.917358	Sampled	2	21	Fine	SAV and woody debris. Mussels noted in sample.
HR17-OU2-R4-088	6.7	64.1	-73.67549	42.917192	Sampled	3	33	Fine	SAV in sample.
HR17-OU2-R4-089	9.6	61.2	-73.674885	42.917158	Sampled	1	24	Fine	SAV in sample.
HR17-OU2-R4-090	13.1	57.7	-73.674127	42.917274	Sampled	1	43	Fine	
HR17-OU2-R4-091	15.1	55.4	-73.673631	42.917347	Sampled	1	24	Fine	Root material and leaves in sample.
HR17-OU2-R4-092	15.8	54.5	-73.673097	42.917191	Sampled	1	14	Fine	Twigs and woody debris in sample.
HR17-OU2-R4-093	15.6	54.6	-73.672128	42.917225	Sampled	1	30	Fine	
HR17-OU2-R4-094	10.5	59.7	-73.671682	42.917106	Sampled	1	21	Coarse	
HR17-OU2-R4-095	12.9	57.6	-73.676347	42.917478	Sampled	2	8	Transitional	
HR17-OU2-R4-096	10.3	60.5	-73.675871	42.917463	Abandoned	6	3	Rock	No recovery; probing indicated cobble.
HR17-OU2-R4-097	6.8	64.0	-73.675206	42.917471	Sampled	2	33	Fine	SAV in sample.
HR17-OU2-R4-098	16.2	54.6	-73.674387	42.91761	Sampled	1	27	Fine	SAV in sample.
HR17-OU2-R4-099	9.6	60.9	-73.674158	42.917621	Sampled	2	4	Fine	Some SAV in sample.
HR17-OU2-R4-100	14.1	56.4	-73.673235	42.917814	Sampled	1	30	Fine	
HR17-OU2-R4-101	15.7	54.6	-73.672625	42.917567	Sampled	1	18	Fine	SAV in sample.
HR17-OU2-R4-102	15.8	54.4	-73.672021	42.917374	Sampled	1	18	Transitional	
HR17-OU2-R4-103	11.4	58.8	-73.671297	42.917493	Sampled	1	30	Fine	
HR17-OU2-R4-104	11.9	58.8	-73.676279	42.917817	Sampled	4	12	Fine	Leafy and woody debris. Target location plotted on land.
HR17-OU2-R4-105	12.1	58.4	-73.675677	42.91806	Sampled	3	11	Fine	First attempt had rock in jaws, second attempt had SAV in jaws. SAV roots in sample
HR17-OU2-R4-106	9.9	60.6	-73.674887	42.918016	Sampled	1	12	Fine	Some leafy debris in sample.
HR17-OU2-R4-107	4.8	65.7	-73.67422	42.918005	Sampled	1	21	Fine	Some insect larvae in sample.
HR17-OU2-R4-108	14.5	56.0	-73.673375	42.917972	Sampled	4	32	Fine	Two washouts, one with rock in jaws. Some insect larvae in sample
HR17-OU2-R4-109	12.9	57.6	-73.673128	42.917819	Sampled	5	36	Fine	
HR17-OU2-R4-110	16.9	53.4	-73.672215	42.917976	Sampled	3	22	Fine	Detritus and woody debris in sample.
HR17-OU2-R4-111	16.1	54.1	-73.671726	42.917908	Sampled	1	14	Fine	
HR17-OU2-R4-112	12.7	57.5	-73.670884	42.917938	Sampled	2	27	Transitional	Target location plotted on land.
HR17-OU2-R4-113	9.4	61.3	-73.675612	42.918326	Sampled	2	30	Fine	Root matter throughout sample.
HR17-OU2-R4-114	8.7	61.8	-73.674684	42.91846	Sampled	1	18	Fine	Some insect larvae in sample
HR17-OU2-R4-115	7.0	63.5	-73.673857	42.918359	Sampled	1	5	Coarse	
HR17-OU2-R4-116	10.3	60.2	-73.673426	42.918401	Sampled	1	36	Fine	Insect larvae in sample

**Table 2-1E Sediment Sample Coordinates and Field Notes,
Reach 4 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R4-117	10.9	59.0	-73.672759	42.918452	Sampled	1	12	Coarse	
HR17-OU2-R4-118	17.4	52.9	-73.671891	42.918331	Sampled	3	18	Transitional	Detritus in sample.
HR17-OU2-R4-119	15.8	54.4	-73.671354	42.91828	Sampled	4	18	Fine	Lots of woody debris. Target plots under railroad bridge.
HR17-OU2-R4-120	13.8	56.4	-73.670565	42.918203	Sampled	2	14	Fine	Target plots under rail road bridge, and there is no valid GPS signal under the bridge. Have to work north or south of bridge and on edges of target radius.
HR17-OU2-R4-121	10.2	60.5	-73.674865	42.918849	Sampled	1	5	Fine	
HR17-OU2-R4-122	12.5	58.0	-73.674327	42.918951	Sampled	1	48	Fine	Some SAV roots in sample.
HR17-OU2-R4-123	7.3	63.2	-73.673805	42.918878	Sampled	1	30	Fine	Some SAV in sample.
HR17-OU2-R4-124	7.2	63.3	-73.67286	42.918781	Abandoned	6	0	Rock	Minimal to no recovery due to rock/SAV in jaws causing washout or empty. Probing indicated bedrock.
HR17-OU2-R4-125	8.9	61.0	-73.672264	42.918719	Abandoned	6	5	Transitional	Minimal to no recovery due to rock/wood in jaws causing washout or empty.
HR17-OU2-R4-126	17.5	52.4	-73.671459	42.918686	Sampled	1	NA	NA	
HR17-OU2-R4-127	16.5	53.7	-73.670977	42.918967	Sampled	3	6	Fine	Woody and leafy debris in sample. Target plots under railroad bridge.
HR17-OU2-R4-128	13.0	57.2	-73.670011	42.918814	Sampled	3	12	Fine	Leafy debris in sample.
HR17-OU2-R4-129	8.5	61.6	-73.66957	42.918788	Sampled	1	30	Fine	
HR17-OU2-R4-130	9.5	60.7	-73.674345	42.919279	Sampled	1	10	Fine	
HR17-OU2-R4-131	11.2	59.0	-73.674067	42.919176	Sampled	3	5	Fine	
HR17-OU2-R4-132	10.1	60.1	-73.673362	42.919175	Abandoned	6	0	Rock	Minimal to no recovery due to rock/debris in jaws causing washout or empty. Probing indicated bedrock.
HR17-OU2-R4-133	12.3	57.9	-73.672368	42.919316	Abandoned	6	10	Transitional	Minimal to no recovery due to rock/debris in jaws causing washout or empty.
HR17-OU2-R4-134	14.9	55.3	-73.671883	42.919035	Abandoned	6	4	Coarse	Target plots under rail road bridge, and there is no valid GPS signal under the bridge. Have to work north or south of bridge and on edges of target radius.
HR17-OU2-R4-135	16.0	54.2	-73.671246	42.919446	Abandoned	6	6	Fine	Minimal to no recovery due to rock/debris in jaws causing washout or empty.
HR17-OU2-R4-136	15.4	54.8	-73.670476	42.919211	Sampled	1	15	Fine	Woody debris in sample.
HR17-OU2-R4-137	13.1	57.1	-73.669859	42.918972	Sampled	4	24	Fine	
HR17-OU2-R4-138	11.1	59.0	-73.669237	42.919217	Sampled	1	36	Fine	Little woody debris in sample.
HR17-OU2-R4-139	7.3	62.9	-73.674249	42.919575	Sampled	4	30	Fine	Leafy debris in sample.
HR17-OU2-R4-140	10.6	59.6	-73.673563	42.919718	Sampled	1	18	Fine	
HR17-OU2-R4-141	13.6	56.6	-73.67283	42.919505	Sampled	6	5	Fine	Leafy and woody debris in sample.
HR17-OU2-R4-142	11.4	58.8	-73.672271	42.919501	Abandoned	6	1	Coarse	Target plots under rail road bridge. Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-143	16.6	53.6	-73.671465	42.919481	Abandoned	6	8	Transitional	Minimal to no recovery due to rock/debris in jaws causing washout or empty.
HR17-OU2-R4-144	15.4	55.0	-73.67012	42.919485	Sampled	3	12	Fine	
HR17-OU2-R4-145	16.5	53.7	-73.669689	42.919684	Sampled	2	9	Fine	Leafy and woody debris in sample.
HR17-OU2-R4-146	8.5	61.7	-73.668901	42.919598	Sampled	1	52	Fine	
HR17-OU2-R4-147	10.9	59.3	-73.668375	42.919639	Sampled	1	42	Fine	Target location plotted on dry land.
HR17-OU2-R4-148	7.0	63.2	-73.673453	42.920067	Sampled	3	19	Fine	Leafy debris in sample.
HR17-OU2-R4-149	10.9	59.3	-73.67223	42.920063	Abandoned	6	2	Coarse	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-150	10.9	59.5	-73.672075	42.919967	Sampled	6	6	Transitional	SAV in sample.
HR17-OU2-R4-151	16.1	54.3	-73.671212	42.920065	Sampled	1	2	Coarse	SAV in sample.
HR17-OU2-R4-152	14.0	56.4	-73.670442	42.919853	Sampled	5	18	Fine	Woody debris in sample.
HR17-OU2-R4-153	14.0	56.4	-73.670161	42.920039	Abandoned	6	NA	NA	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-154	14.1	56.3	-73.669085	42.920055	Sampled	2	24	Fine	Woody debris in sample.
HR17-OU2-R4-155	6.2	64.2	-73.668357	42.920071	Sampled	1	42	Fine	SAV in sample.
HR17-OU2-R4-156	8.1	62.3	-73.667758	42.919988	Sampled	1	48	Fine	Woody debris in sample.
HR17-OU2-R4-157	1.8	68.3	-73.667273	42.920024	Sampled	1	24	Fine	Trace woody debris in sample.
HR17-OU2-R4-158	9.3	61.1	-73.672712	42.92059	Sampled	1	30	Fine	SAV and some woody debris in sample.
HR17-OU2-R4-159	11.7	58.7	-73.672202	42.920529	Sampled	1	24	Fine	SAV in sample.
HR17-OU2-R4-160	9.5	60.9	-73.671277	42.920406	Abandoned	6	1	Rock	No recovery; probing indicated cobble.
HR17-OU2-R4-161	11.1	59.2	-73.670691	42.920596	Abandoned	6	3	Coarse	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-162	10.0	60.3	-73.670018	42.920612	Sampled	4	4	Fine	
HR17-OU2-R4-163	13.0	57.3	-73.669875	42.920382	Sampled	4	4	Fine	
HR17-OU2-R4-164	16.0	54.3	-73.669101	42.920466	Sampled	6	10	Fine	Woody debris in sample.
HR17-OU2-R4-165	13.6	56.7	-73.668361	42.920577	Sampled	2	45	Fine	Woody debris in sample.
HR17-OU2-R4-166	4.2	66.1	-73.667569	42.920449	Sampled	1	36	Fine	
HR17-OU2-R4-167	6.0	64.1	-73.666929	42.920449	Sampled	1	16	Fine	Trace woody debris in sample.
HR17-OU2-R4-168	9.3	61.0	-73.6717	42.921016	Abandoned	6	3	Coarse	Minimal to no recovery due to rocks in jaws; washout.
HR17-OU2-R4-169	9.9	60.4	-73.671271	42.921033	Abandoned	6	4	Coarse	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-170	12.4	57.9	-73.670375	42.921065	Abandoned	6	2	Coarse	Minimal to no recovery due to rocks in jaws; washout.
HR17-OU2-R4-171	11.2	59.1	-73.670022	42.920776	Abandoned	6	2	Coarse	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-172	13.3	57.0	-73.669464	42.920877	Sampled	4	18	Fine	Woody debris in sample.
HR17-OU2-R4-173	13.2	57.1	-73.668632	42.920854	Sampled	1	15	Fine	
HR17-OU2-R4-174	12.4	58.1	-73.667718	42.920942	Sampled	1	42	Fine	Woody debris in sample.

**Table 2-1E Sediment Sample Coordinates and Field Notes,
Reach 4 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R4-175	6.2	64.1	-73.666593	42.92086	Sampled	1	36	Fine	
HR17-OU2-R4-176	3.2	66.9	-73.665957	42.920868	Sampled	3	1	Fine	Due to thick SAV in grabs, sample is composite of grabs 1-3.
HR17-OU2-R4-177	8.7	61.6	-73.672043	42.921343	Sampled	1	4	Fine	Woody debris in sample.
HR17-OU2-R4-178	8.4	61.9	-73.671728	42.921305	Sampled	2	6	Fine	Woody debris/roots in sample.
HR17-OU2-R4-179	10.9	59.4	-73.670805	42.921085	Abandoned	6	0	Rock	Minimal to no recovery due to rock in jaws causing washout or empty. Probing indicated bedrock.
HR17-OU2-R4-180	10.5	59.6	-73.670198	42.921058	Abandoned	6	2	Coarse	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-181	11.9	58.2	-73.669431	42.921311	Sampled	1	18	Fine	
HR17-OU2-R4-182	12.3	57.8	-73.668953	42.921139	Sampled	2	8	Fine	Insect larvae and woody debris in sample.
HR17-OU2-R4-183	12.6	57.5	-73.668136	42.921259	Sampled	1	15	Fine	
HR17-OU2-R4-184	11.4	58.7	-73.667313	42.92126	Abandoned	6	30	Fine	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-185	9.6	61.0	-73.666904	42.921324	Sampled	1	12	Fine	Organics - SAV in sample.
HR17-OU2-R4-186	4.5	65.6	-73.665609	42.921272	Sampled	1	36	Fine	
HR17-OU2-R4-187	0.0	68.2	-73.665043	42.921256	Sampled	1	30	Fine	SAV in sample.
HR17-OU2-R4-188	8.9	61.7	-73.671638	42.921796	Sampled	1	8	Fine	Adjacent to private dock.
HR17-OU2-R4-189	9.0	61.6	-73.671172	42.921555	Sampled	2	6	Transitional	
HR17-OU2-R4-190	10.4	60.2	-73.670502	42.921808	Abandoned	6	2	Coarse	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-191	12.5	58.1	-73.669964	42.921646	Abandoned	6	0	Rock	Minimal to no recovery due to rock in jaws causing washout or empty. Probing indicated bedrock.
HR17-OU2-R4-192	12.2	58.4	-73.669089	42.921594	Sampled	1	2	Fine	
HR17-OU2-R4-193	10.0	60.1	-73.668557	42.921833	Sampled	2	18	Fine	
HR17-OU2-R4-194	12.8	57.3	-73.666979	42.921677	Sampled	4	36	Fine	
HR17-OU2-R4-195	9.3	59.6	-73.666519	42.921707	Sampled	1	11	Fine	Wood and SAV in sample.
HR17-OU2-R4-196	2.0	65.9	-73.66524	42.921695	Sampled	1	16	Fine	
HR17-OU2-R4-197	2.0	66.1	-73.664592	42.921678	Sampled	1	16	Fine	
HR17-OU2-R4-198	8.6	62.0	-73.670853	42.922075	Sampled	2	6	Coarse	SAV in sample.
HR17-OU2-R4-199	10.7	59.9	-73.670268	42.922211	Sampled	1	5	Coarse	SAV in sample.
HR17-OU2-R4-200	10.6	60.0	-73.668844	42.922006	Sampled	4	4	Fine	
HR17-OU2-R4-201	8.7	61.8	-73.668085	42.92211	Sampled	1	14	Coarse	
HR17-OU2-R4-202	10.9	59.2	-73.667504	42.922279	Sampled	1	24	Coarse	
HR17-OU2-R4-203	14.8	55.3	-73.666732	42.921951	Sampled	5	15	Fine	
HR17-OU2-R4-204	14.8	55.7	-73.666404	42.922052	Sampled	1	7	Fine	
HR17-OU2-R4-205	1.9	65.5	-73.664293	42.922086	Sampled	1	24	Fine	Little SAV in sample.
HR17-OU2-R4-206	8.4	62.2	-73.671156	42.922483	Sampled	1	4	Transitional	
HR17-OU2-R4-207	9.4	61.2	-73.670451	42.922565	Sampled	1	6	Coarse	SAV roots in sample. East of private dock.
HR17-OU2-R4-208	10.7	59.8	-73.667245	42.922488	Sampled	1	12	Fine	
HR17-OU2-R4-209	16.0	54.5	-73.666504	42.922634	Sampled	2	26	Fine	
HR17-OU2-R4-210	9.2	61.3	-73.665684	42.922405	Sampled	3	6	Fine	
HR17-OU2-R4-211	7.6	62.7	-73.66395	42.922519	Sampled	1	12	Fine	Trace SAV in sample.
HR17-OU2-R4-212	6.4	64.2	-73.670773	42.922994	Sampled	2	24	Fine	Leaves in sample. North of private dock.
HR17-OU2-R4-213	8.9	61.7	-73.670391	42.922865	Sampled	5	5	Coarse	Sticks and SAV in sample. Private dock nearby.
HR17-OU2-R4-214	10.7	59.8	-73.666911	42.922708	Sampled	2	12	Fine	
HR17-OU2-R4-215	14.0	56.6	-73.666316	42.922871	Sampled	1	1	Rock	Woody debris in sample. Probing substrate may have been incorrectly recorded.
HR17-OU2-R4-216	13.7	56.9	-73.665583	42.923135	Sampled	3	12	Coarse	Woody debris in sample.
HR17-OU2-R4-217	6.2	62.7	-73.663662	42.922916	Sampled	1	36	Fine	
HR17-OU2-R4-218	7.4	63.1	-73.670505	42.923415	Sampled	1	14	Fine	Leaves and sticks in sample.
HR17-OU2-R4-219	8.9	61.7	-73.666274	42.923424	Sampled	2	10	Coarse	
HR17-OU2-R4-220	9.0	61.6	-73.665898	42.923391	Sampled	2	3	Coarse	
HR17-OU2-R4-221	14.1	56.4	-73.665376	42.923412	Sampled	1	18	Fine	
HR17-OU2-R4-222	13.6	56.9	-73.664667	42.923432	Sampled	1	24	Coarse	
HR17-OU2-R4-223	6.1	62.8	-73.663318	42.923304	Sampled	1	24	Fine	
HR17-OU2-R4-224	8.3	62.2	-73.670159	42.92382	Sampled	1	18	Fine	Roots and sticks in sample.
HR17-OU2-R4-225	7.8	61.5	-73.66823	42.923922	Abandoned	6	4	Transitional	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-226	8.5	62.1	-73.665497	42.923725	Sampled	2	6	Coarse	
HR17-OU2-R4-227	13.3	57.2	-73.665055	42.92359	Abandoned	6	12	Fine	Minimal to no recovery due to rock/woody debris in jaws causing washout or empty.
HR17-OU2-R4-228	14.4	55.7	-73.664171	42.923952	Abandoned	6	30	Fine	Minimal to no recovery due to rock/woody debris in jaws causing washout or empty.
HR17-OU2-R4-229	7.0	61.9	-73.662989	42.923685	Sampled	1	18	Fine	SAV in sample.
HR17-OU2-R4-230	6.3	64.0	-73.665245	42.924191	Sampled	1	16	Fine	Trace leafy debris in sample.
HR17-OU2-R4-231	13.8	56.3	-73.664541	42.924015	Abandoned	6	36	Fine	Minimal to no recovery due to rock/woody debris in jaws causing washout or empty.
HR17-OU2-R4-232	12.9	57.2	-73.66362	42.924267	Abandoned	6	0	Rock	Minimal to no recovery due to rock/woody debris in jaws causing washout or empty. Probing indicated bedrock.

**Table 2-1E Sediment Sample Coordinates and Field Notes,
Reach 4 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R4-233	7.0	61.9	-73.662769	42.924148	Sampled	2	7	Coarse	
HR17-OU2-R4-234	5.0	65.0	-73.662035	42.924174	Sampled	1	12	Fine	SAV in sample. Ponar used to collect sample.
HR17-OU2-R4-235	5.6	64.7	-73.664904	42.92461	Sampled	1	16	Coarse	Trace SAV in sample.
HR17-OU2-R4-236	6.3	64.0	-73.664461	42.924616	Sampled	4	8	Fine	After 3 grabs with insufficient material for sample, moved to new location ~65 ft. W of original location.
HR17-OU2-R4-237	14.3	55.8	-73.663668	42.924416	Sampled	2	12	Transitional	
HR17-OU2-R4-238	5.6	64.7	-73.66224	42.924643	Abandoned	6	2	Coarse	Minimal to no recovery due to rocks in jaws; washout.
HR17-OU2-R4-239	2.8	68.0	-73.6617	42.924592	Sampled	1	6	Fine	Little SAV in sample. Ponar used to collect sample.
HR17-OU2-R4-240	3.2	67.1	-73.665225	42.925054	Sampled	4	10	Coarse	
HR17-OU2-R4-241	4.8	65.5	-73.66448	42.924891	Sampled	1	22	Fine	Trace SAV in sample.
HR17-OU2-R4-242	6.4	63.9	-73.664152	42.925046	Sampled	5	6	Transitional	SAV in sample.
HR17-OU2-R4-243	17.3	52.9	-73.663065	42.924811	Abandoned	6	8	Coarse	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-244	4.6	65.7	-73.664878	42.925463	Sampled	1	24	Coarse	
HR17-OU2-R4-245	6.1	64.2	-73.664428	42.925459	Sampled	5	8	Fine	Some SAV in sample.
HR17-OU2-R4-246	6.7	63.6	-73.663669	42.925621	Sampled	6	0	Rock	Some SAV and detritus in sample.
HR17-OU2-R4-247	16.3	53.9	-73.662824	42.925509	Abandoned	6	6	Coarse	Minimal to no recovery due to rocks in jaws; washout.
HR17-OU2-R4-248	6.0	64.2	-73.661981	42.9255	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R4-249	2.4	68.5	-73.661628	42.925434	Sampled	1	36	Fine	
HR17-OU2-R4-250	4.5	65.8	-73.664554	42.925864	Sampled	1	18	Coarse	
HR17-OU2-R4-251	5.7	64.6	-73.663911	42.926006	Abandoned	6	4	Transitional	Minimal to no recovery due to rock/cobble in jaws causing washout or empty.
HR17-OU2-R4-252	6.8	63.5	-73.663457	42.925851	Abandoned	6	0	Rock	Minimal to no recovery due to rock/cobble in jaws causing washout or empty. Probing indicated bedrock.
HR17-OU2-R4-253	15.9	54.3	-73.662529	42.925821	Sampled	1	12	Transitional	
HR17-OU2-R4-254	9.0	61.2	-73.661809	42.925716	Sampled	2	12	Fine	Leafy debris and root matter in sample.
HR17-OU2-R4-255	1.0	69.9	-73.661314	42.925842	Sampled	1	36	Fine	
HR17-OU2-R4-256	5.8	64.2	-73.663811	42.926245	Abandoned	6	0	Rock	Minimal to no recovery due to rock/cobble in jaws causing washout or empty. Probing indicated bedrock.
HR17-OU2-R4-257	5.3	65.6	-73.662774	42.926113	Abandoned	6	1	Transitional	After 3 grabs with no sediment collected, moved to new location ~64 ft. SE; no recovery/insufficient material in next three attempts.
HR17-OU2-R4-258	17.5	52.7	-73.66212	42.926258	Sampled	3	6	Coarse	
HR17-OU2-R4-259	11.4	58.8	-73.661442	42.926355	Sampled	4	22	Coarse	
HR17-OU2-R4-260	1.9	69.0	-73.66097	42.926276	Sampled	3	13	Coarse	Sample is a composite of grabs 2 and 3.
HR17-OU2-R4-261	16.7	53.5	-73.661721	42.926556	Abandoned	6	4	Coarse	Minimal to no recovery due to rock/cobble in jaws causing washout or empty.
HR17-OU2-R4-262	11.9	58.3	-73.661029	42.926603	Sampled	5	66	Fine	
HR17-OU2-R4-263	16.6	53.6	-73.660765	42.926666	Sampled	2	36	Fine	Some root debris in the sample.
HR17-OU2-R4-264	3.5	66.8	-73.663143	42.926953	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R4-265	4.1	66.8	-73.661587	42.927092	Sampled	1	2	Transitional	
HR17-OU2-R4-266	16.3	54.4	-73.660929	42.927245	Abandoned	6	18	Coarse	Minimal to no recovery due to rocks in jaws; washout.
HR17-OU2-R4-267	12.6	57.6	-73.660258	42.927073	Sampled	1	21	Fine	Leafy root debris in sample.
HR17-OU2-R4-268	3.8	67.0	-73.65961	42.927076	Sampled	2	18	Coarse	Little woody debris in sample.
HR17-OU2-R4-269	2.5	67.9	-73.666052	42.927408	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R4-270	3.4	66.9	-73.66354	42.927466	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R4-271	3.5	66.8	-73.662729	42.927481	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R4-272	14.6	56.1	-73.660513	42.927568	Abandoned	6	6	Coarse	Minimal to no recovery due to rock/cobble in jaws causing washout or empty.
HR17-OU2-R4-273	4.7	66.0	-73.659798	42.927277	Abandoned	6	3	Coarse	Minimal to no recovery due to rock/cobble in jaws causing washout or empty.
HR17-OU2-R4-274	15.8	54.9	-73.659264	42.927675	Abandoned	6	5	Coarse	Minimal to no recovery due to rock/cobble in jaws causing washout or empty.
HR17-OU2-R4-275	7.4	62.9	-73.658681	42.927502	Abandoned	6	36	Coarse	Coarse sand/gravel. Rock in jaw each attempt.
HR17-OU2-R4-276	10.7	60.0	-73.660005	42.927836	Abandoned	6	8	Coarse	Minimal to no recovery due to rock in jaws causing washout or empty.
HR17-OU2-R4-277	16.7	54.0	-73.65959	42.927902	Sampled	1	24	Fine	Leafy and woody debris in sample.
HR17-OU2-R4-278	16.5	54.2	-73.659041	42.928072	Sampled	5	24	Fine	
HR17-OU2-R4-279	3.3	67.2	-73.666513	42.927971	Abandoned	6	0.5	Rock	After 3 empty grabs, moved to new location ~31 ft. SW; no recovery/insufficient material in next three attempts. Probing indicated thin layer of SAV over bedrock.
HR17-OU2-R4-280	3.0	67.4	-73.665361	42.927956	Abandoned	6	1	Transitional	After 3 empty grabs, moved to new location ~66 ft. SE; no recovery/insufficient material in next three attempts.
HR17-OU2-R4-281	3.2	67.1	-73.663655	42.928067	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R4-282	2.9	67.4	-73.663125	42.927991	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R4-283	15.4	55.3	-73.659239	42.928296	Sampled	1	33	Fine	Woody debris in sample.
HR17-OU2-R4-284	16.5	54.2	-73.658825	42.928482	Sampled	5	33	Fine	
HR17-OU2-R4-285	2.6	68.3	-73.666868	42.928554	Sampled	3	5	Transitional	Gravel in jaws of grabs 1 and 3, causing washout. Grab 2 collected.
HR17-OU2-R4-286	5.7	65.2	-73.665979	42.928525	Abandoned	6	0.5	Rock	After 3 grabs without sediment, moved to new location ~21 ft. S; no recovery/insufficient material in next three attempts. Probing indicated thin layer of SAV over bedrock.
HR17-OU2-R4-287	4.0	66.4	-73.66509	42.928473	Abandoned	6	0	Rock	After 3 grabs without sediment, moved to new location ~33 ft. SE; no recovery/insufficient material in next three attempts. Probing indicated bedrock.
HR17-OU2-R4-288	NA	NA	-73.664354	42.928527	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-289	NA	NA	-73.663534	42.928521	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-290	15.6	55.1	-73.658833	42.928699	Sampled	1	36	Fine	Invertebrate larvae in sample.

**Table 2-1E Sediment Sample Coordinates and Field Notes,
Reach 4 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R4-291	14.4	55.8	-73.658489	42.92869	Sampled	1	73	Fine	
HR17-OU2-R4-292	1.5	69.4	-73.666374	42.929056	Sampled	6	0	Rock	Insect larvae in sample. Sample is composite of grabs 4 and 6.
HR17-OU2-R4-293	3.1	67.2	-73.665755	42.928985	Abandoned	3	0	Rock	First probe showed 3-4 inches transitional. No recovery on first 3 grabs. Subsequent probes indicated bedrock. No additional grabs.
HR17-OU2-R4-294	2.9	67.4	-73.664726	42.928976	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R4-295	3.0	68.5	-73.663942	42.92883	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R4-296	6.7	63.4	-73.658631	42.929137	Sampled	1	3	Fine	SAV beds around location.
HR17-OU2-R4-297	14.9	55.3	-73.6581	42.929071	Sampled	1	66	Fine	Detritus in sample.
HR17-OU2-R4-298	NA	NA	-73.66598	42.929583	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-299	NA	NA	-73.66516	42.929577	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-300	NA	NA	-73.66434	42.929571	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-301	NA	NA	-73.66352	42.929565	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-302	1.7	68.4	-73.658292	42.929547	Sampled	1	6	Fine	
HR17-OU2-R4-303	14.0	56.2	-73.65755	42.929524	Sampled	2	60	Fine	Detritus in sample.
HR17-OU2-R4-304	13.7	56.5	-73.657558	42.930005	Sampled	2	84	Fine	Detritus and woody debris in sample.
HR17-OU2-R4-305	16.4	53.8	-73.657413	42.929871	Sampled	1	54	Fine	Twigs in sample.
HR17-OU2-R4-306	NA	NA	-73.665563	42.930102	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-307	NA	NA	-73.664743	42.930096	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-308	NA	NA	-73.663922	42.93009	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-309	NA	NA	-73.663102	42.930084	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-310	NA	NA	-73.662282	42.930078	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-311	15.5	54.7	-73.656987	42.93035	Sampled	1	60	Fine	Detritus in sample.
HR17-OU2-R4-312	NA	NA	-73.665146	42.930621	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-313	NA	NA	-73.664325	42.930615	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-314	NA	NA	-73.663505	42.930609	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-315	NA	NA	-73.661865	42.930597	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-316	14.2	56.0	-73.656585	42.930824	Sampled	1	84	Fine	Detritus, woody debris, and SAV in sample.
HR17-OU2-R4-317	17.3	53.0	-73.655971	42.931018	Sampled	1	24	Fine	
HR17-OU2-R4-318	NA	NA	-73.664728	42.931139	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-319	NA	NA	-73.663908	42.931133	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-320	3.2	67.1	-73.656919	42.93122	Sampled	2	12	Fine	Some organic matter in sample.
HR17-OU2-R4-321	12.3	57.9	-73.656159	42.931206	Sampled	1	60	Fine	Detritus, woody debris, and SAV in sample.
HR17-OU2-R4-322	NA	NA	-73.664311	42.931658	Removed	0	NA	NA	Shallow water depths; based on probing in surrounding area, visual observation, and historical data, location noted to be all bedrock. Sampling not attempted at this location.
HR17-OU2-R4-323	16.9	53.2	-73.6553	42.931634	Sampled	1	4	Transitional	Woody debris and small insect larvae in sample. ~200 ft. S of Lock 4 doors.
HR17-OU2-R4-324	17.0	53.1	-73.655214	42.931847	Abandoned	6	0	Rock	Minimal to no recovery due to rock in jaws causing washout or empty. Probing indicated bedrock.
HR17-OU2-R4-325	13.9	69.8	-73.653878	42.933068	Sampled	2	30	Fine	Little shale fragments, small clam shells, and woody debris in sample.
HR17-OU2-R4-326	10.6	73.1	-73.653819	42.933284	Sampled	3	58	Fine	Woody debris in sample.
HR17-OU2-R4-327	15.8	67.9	-73.653067	42.933626	Sampled	1	48	Coarse	
HR17-OU2-R4-328	15.4	68.3	-73.652614	42.934077	Sampled	1	60	Coarse	Some woody debris and detritus in sample.
HR17-OU2-R4-329	16.3	67.4	-73.652254	42.934523	Sampled	2	18	Fine	Layer of fine grained material over solid rock.
HR17-OU2-R4-330	14.3	69.1	-73.651901	42.934901	Sampled	1	24	Fine	Worms and clams in sample.
HR17-OU2-R4-331	15.4	68.0	-73.651591	42.935126	Sampled	1	18	Fine	Clams in sample.
HR17-OU2-R4-332	12.9	70.5	-73.651056	42.935465	Sampled	3	48	Fine	
HR17-OU2-R4-333	15.9	67.5	-73.65076	42.935823	Sampled	1	12	Fine	Clams in sample.
HR17-OU2-R4-334	14.8	68.6	-73.650303	42.936194	Sampled	1	6	Fine	Clams in sample.
HR17-OU2-R4-335	13.4	70.0	-73.649841	42.936599	Sampled	2	6	Fine	
HR17-OU2-R4-336	13.7	69.9	-73.649673	42.936856	Sampled	1	60	Fine	
HR17-OU2-R4-337	13.1	70.5	-73.649161	42.937278	Sampled	2	54	Fine	Target coordinates plotted on land.
HR17-OU2-R4-338	13.8	69.8	-73.648795	42.937384	Sampled	1	54	Fine	

Note:
1. In the event that after three attempts a sample could not be collected from the original target location, the field crew attempted to sample at a location within a 100-ft radius of the original target location. A sample location was abandoned after six failed attempts. Coordinates were recorded for the sampled location; the coordinates for the abandoned/removed locations are the original target points.
NA = Not applicable.
SAV = Submerged aquatic vegetation.

**Table 2-1F Sediment Sample Coordinates and Field Notes,
Reach 3 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R3-001	NA	NA	-73.680379	42.877494	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-002	NA	NA	-73.679531	42.877488	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-003	NA	NA	-73.678683	42.877482	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-004	NA	NA	-73.680796	42.878038	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-005	NA	NA	-73.679948	42.878031	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-006	NA	NA	-73.6791	42.878025	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-007	NA	NA	-73.678251	42.878019	Removed	0	NA	NA	Unsafe sampling conditions - too close to dam. Sampling not attempted at this location.
HR17-OU2-R3-008	NA	NA	-73.677403	42.878013	Removed	0	NA	NA	Unsafe sampling conditions - too close to dam. Sampling not attempted at this location.
HR17-OU2-R3-009	NA	NA	-73.678087	42.878358	Removed	0	NA	NA	Unsafe sampling conditions - too close to dam. Sampling not attempted at this location.
HR17-OU2-R3-010	NA	NA	-73.677358	42.878352	Removed	0	NA	NA	Unsafe sampling conditions - too close to dam. Sampling not attempted at this location.
HR17-OU2-R3-011	NA	NA	-73.681213	42.878581	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-012	NA	NA	-73.680365	42.878575	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-013	NA	NA	-73.679517	42.878569	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-014	7.4	40.1	-73.679106	42.878872	Sampled	1	48	Fine	Sheen in sample.
HR17-OU2-R3-015	8.6	38.5	-73.678396	42.878936	Sampled	1	36	Fine	Invert larvae, shells.
HR17-OU2-R3-016	4.5	42.1	-73.677678	42.878686	Sampled	5	8	Coarse	Trace woody debris. Sample is composite of grabs 4 and 5.
HR17-OU2-R3-017	NA	NA	-73.68163	42.879124	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-018	NA	NA	-73.680782	42.879118	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-019	NA	NA	-73.679934	42.879112	Removed	0	NA	NA	Marshy area with little to no water - per DEC this area was formerly dredged and backfilled. Sampling not attempted at this location.
HR17-OU2-R3-020	7.2	40.3	-73.67946	42.879225	Sampled	1	48	Fine	Leafy/woody debris in sample.
HR17-OU2-R3-021	7.8	39.7	-73.678961	42.879283	Sampled	1	6	Coarse	Invertebrate larva and slight sheen in sample.
HR17-OU2-R3-022	10.5	36.6	-73.678377	42.87923	Sampled	2	12	Fine	Shells in sample.
HR17-OU2-R3-023	1.3	45.8	-73.68067	42.879812	Sampled	2	84	Fine	SAV in sample. Ponar used to collect sample.
HR17-OU2-R3-024	8.0	39.5	-73.679729	42.879916	Sampled	3	30	Fine	Slight sheen in sample.
HR17-OU2-R3-025	8.3	39.2	-73.679204	42.879702	Sampled	5	18	Coarse	
HR17-OU2-R3-026	10.2	36.9	-73.678752	42.879614	Sampled	3	18	Fine	Woody debris in sample.
HR17-OU2-R3-027	0.7	46.4	-73.681475	42.880589	Sampled	3	4	Coarse	Mouth of creek, composite of two grabs, woody debris in sample. Ponar used to collect sample.
HR17-OU2-R3-028	6.9	40.6	-73.680778	42.880234	Sampled	2	24	Fine	Some woody debris, slight sheen in sample.
HR17-OU2-R3-029	9.8	37.7	-73.680266	42.880365	Sampled	1	14	Fine	Trace woody debris and slight sheen in sample.
HR17-OU2-R3-030	9.3	38.2	-73.679732	42.880055	Sampled	6	8	Coarse	
HR17-OU2-R3-031	14.5	32.6	-73.678784	42.880209	Abandoned	6	2	Rock	No recovery due to rock/cobbles in jaws. Probing indicated cobble.
HR17-OU2-R3-032	6.4	41.1	-73.681128	42.880728	Sampled	4	12	Coarse	
HR17-OU2-R3-033	9.3	38.2	-73.680516	42.880587	Sampled	4	2	Coarse	Woody debris. Few mussel shells in sample.
HR17-OU2-R3-034	12.9	34.2	-73.679623	42.880797	Sampled	1	2	Fine	
HR17-OU2-R3-035	11.5	35.6	-73.679146	42.880631	Sampled	4	16	Coarse	
HR17-OU2-R3-036	7.7	40.1	-73.67846	42.880755	Sampled	2	8	Fine	Significant SAV, some woody debris.
HR17-OU2-R3-037	0.5	46.6	-73.682187	42.88124	Sampled	3	2	Coarse	Most of target sampling radius is on dry land. Collected sample along shoreline. Ponar used to collect sample.
HR17-OU2-R3-038	6.7	40.4	-73.68154	42.881073	Sampled	1	12	Fine	SAV debris.
HR17-OU2-R3-039	8.2	38.9	-73.680864	42.880955	Abandoned	6	0	Rock	No recovery due to rock in jaws or empty. Probing indicated bedrock.
HR17-OU2-R3-040	11.9	35.2	-73.680115	42.88129	Sampled	1	12	Coarse	Glass shards in sample.
HR17-OU2-R3-041	9.6	38.2	-73.679397	42.880942	Sampled	4	18	Coarse	Some woody debris in sample.
HR17-OU2-R3-042	5.9	41.9	-73.678723	42.881164	Sampled	1	10	Fine	Significant SAV and woody debris in sample; insect larva in sample.
HR17-OU2-R3-043	13.7	33.4	-73.681049	42.881551	Abandoned	6	5	Transitional	No recovery due to rock/debris in jaws or empty.
HR17-OU2-R3-044	13.1	34.0	-73.680538	42.881492	Sampled	1	15	Coarse	
HR17-OU2-R3-045	6.4	41.4	-73.679108	42.881491	Abandoned	6	2	Transitional	Minimal recovery due to rocks in jaws or empty.
HR17-OU2-R3-046	3.4	43.7	-73.682251	42.881631	Sampled	2	8	Coarse	Ponar used to collect sample.
HR17-OU2-R3-047	4.9	42.2	-73.682296	42.882046	Sampled	6	2	Coarse	SAV in sample. Ponar used to collect sample.
HR17-OU2-R3-048	13.5	33.6	-73.681366	42.882037	Abandoned	6	2	Transitional	No recovery due to rock in jaws or empty.
HR17-OU2-R3-049	10.6	36.5	-73.680829	42.882116	Sampled	2	18	Fine	Lots of leafy detritus. Heavy in first 2 inches.
HR17-OU2-R3-050	7.8	39.3	-73.680365	42.882013	Abandoned	6	0	Rock	No recovery due to rock in jaws. Probing indicated bedrock.
HR17-OU2-R3-051	6.0	41.1	-73.679808	42.882203	Abandoned	6	0	Rock	Target coordinates on land; shifted as appropriate. No recovery due to rock in jaws. Probing indicated bedrock.
HR17-OU2-R3-052	0.9	37.4	-73.682702	42.882591	Sampled	1	36	Fine	Target on shore, sample taken ~19 ft. WSW of target.
HR17-OU2-R3-053	14.4	32.7	-73.681865	42.882399	Abandoned	6	1	Transitional	Minimal recovery due to rocks in jaws or empty.
HR17-OU2-R3-054	11.3	35.8	-73.681392	42.882599	Sampled	3	24	Fine	Trace woody debris and two dead mussels in sample.
HR17-OU2-R3-055	5.1	42.0	-73.680325	42.882694	Abandoned	6	1	Transitional	Minimal recovery due to rocks in jaws or empty.
HR17-OU2-R3-056	0.9	37.4	-73.682874	42.883049	Sampled	1	17	Fine	Trace SAV in sample.

**Table 2-1F Sediment Sample Coordinates and Field Notes,
Reach 3 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R3-057	13.2	33.9	-73.682102	42.882887	Abandoned	6	2	Coarse	Minimal recovery due to rocks in jaws or empty.
HR17-OU2-R3-058	9.0	38.1	-73.681475	42.882875	Sampled	5	18	Fine	Little leaves and twigs in sample.
HR17-OU2-R3-059	5.5	41.2	-73.680692	42.883072	Abandoned	6	NA	NA	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R3-060	3.2	35.1	-73.68019	42.883018	Sampled	2	18	Fine	Some SAV, mayfly larvae in sample.
HR17-OU2-R3-061	15.2	32.8	-73.682721	42.883606	Sampled	1	6	Coarse	
HR17-OU2-R3-062	12.8	34.3	-73.68206	42.88346	Sampled	1	2	Coarse	4-6 pieces of glass shards in sample.
HR17-OU2-R3-063	1.8	44.8	-73.680358	42.883516	Sampled	4	36	Fine	After 3 grabs with insufficient material for sample, moved to new location ~58 ft. ENE of original location.
HR17-OU2-R3-064	14.2	32.9	-73.68238	42.883753	Abandoned	6	0	Rock	Minimal recovery due to rocks in jaws or empty. Probing indicated bedrock.
HR17-OU2-R3-065	3.4	43.2	-73.681568	42.883927	Sampled	5	1	Transitional	Little woody debris in sample.
HR17-OU2-R3-066	3.3	43.3	-73.680741	42.884161	Sampled	5	4	Coarse	First 3 empty grabs, moved to new location ~90 ft. NE of original location.
HR17-OU2-R3-067	14.9	33.3	-73.682643	42.884297	Abandoned	6	2	Transitional	No recovery due to rock/cobbles in jaws.
HR17-OU2-R3-068	3.4	43.2	-73.681295	42.884623	Abandoned	6	0	Rock	After 3 grabs with washout, moved to new location ~75 ft. N; no recovery/insufficient material in next three attempts. Probing indicated bedrock.
HR17-OU2-R3-069	4.1	43.0	-73.676071	42.884475	Sampled	1	12	Fine	Ponar used to collect sample.
HR17-OU2-R3-070	0.3	46.8	-73.675786	42.884366	Sampled	1	48	Fine	Most of sampling radius is on dry land. Ponar used to collect sample.
HR17-OU2-R3-071	14.4	33.6	-73.682984	42.884669	Abandoned	6	4	Transitional	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R3-072	2.8	43.8	-73.681649	42.884898	Sampled	3	0	Rock	Some SAV. Sample is composite of grabs 1 and 2. Probing indicated bedrock.
HR17-OU2-R3-073	3.2	45.5	-73.680828	42.884839	Sampled	6	28	Coarse	After 3 grabs with insufficient material, moved to new location ~27 ft. ESE.
HR17-OU2-R3-074	2.8	44.3	-73.676573	42.884853	Sampled	1	18	Fine	SAV in sample. Ponar used to collect sample.
HR17-OU2-R3-075	NA	NA	-73.675813	42.884843	Removed	0	NA	NA	Backwater/marshy area near Quack Island and east of an unnamed island. Locations are inaccessible safely by boat (minimal water ~0.5-2 inches) or by wading (due to soft and thick sediments). Other locations are completely on dry land. Sampling not attempted at this location.
HR17-OU2-R3-076	13.9	34.3	-73.68341	42.885263	Abandoned	6	0	Rock	Two attempts with cobbles in jaws, one attempt with a blanket in jaws, and three attempts with no recovery. Probing indicated bedrock.
HR17-OU2-R3-077	14.3	33.7	-73.682866	42.885257	Abandoned	6	2	Rock	Two attempts with no recovery, three attempts with cobbles in jaws, and one attempt with mussel in jaws. Probing indicated cobble.
HR17-OU2-R3-078	2.0	44.6	-73.682082	42.885348	Abandoned	6	1	Transitional	No recovery due to washout, moved location ~17 ft.; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-079	1.9	45.2	-73.681276	42.885347	Removed	0	0	Rock	Probed around sampling radius; all bedrock. Sampling not attempted at this location.
HR17-OU2-R3-080	NA	NA	-73.676172	42.88531	Removed	0	NA	NA	Backwater/marshy area near Quack Island and east of an unnamed island. Locations are inaccessible safely by boat (minimal water ~0.5-2 inches) or by wading (due to soft and thick sediments). Other locations are completely on dry land. Sampling not attempted at this location.
HR17-OU2-R3-081	NA	NA	-73.675443	42.885305	Removed	0	NA	NA	Backwater/marshy area near Quack Island and east of an unnamed island. Locations are inaccessible safely by boat (minimal water ~0.5-2 inches) or by wading (due to soft and thick sediments). Other locations are completely on dry land. Sampling not attempted at this location.
HR17-OU2-R3-082	14.7	33.3	-73.683063	42.885639	Abandoned	6	4	Transitional	Two attempts sand/gravel with washout, three attempts cobbles in jaws, one attempt piece of metal in jaws.
HR17-OU2-R3-083	2.1	44.6	-73.681545	42.885757	Abandoned	6	2	Coarse	No recovery due to washout, moved location ~37 ft. SSE; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-084	1.0	46.1	-73.680838	42.885776	Sampled	4	14	Fine	SAV in sample. Ponar used to collect sample.
HR17-OU2-R3-085	2.6	44.5	-73.68023	42.885837	Sampled	3	3	Coarse	Little woody debris in sample. Ponar used to collect sample.
HR17-OU2-R3-086	NA	NA	-73.67653	42.885777	Removed	0	NA	NA	Backwater/marshy area near Quack Island and east of an unnamed island. Locations are inaccessible safely by boat (minimal water ~0.5-2 inches) or by wading (due to soft and thick sediments). Other locations are completely on dry land. Sampling not attempted at this location.
HR17-OU2-R3-087	NA	NA	-73.675801	42.885772	Removed	0	NA	NA	Backwater/marshy area near Quack Island and east of an unnamed island. Locations are inaccessible safely by boat (minimal water ~0.5-2 inches) or by wading (due to soft and thick sediments). Other locations are completely on dry land. Sampling not attempted at this location.
HR17-OU2-R3-088	1.3	45.8	-73.678049	42.885988	Sampled	2	12	Coarse	Ponar used to collect sample.
HR17-OU2-R3-089	13.2	34.8	-73.683474	42.886242	Sampled	3	18	Fine	One mussel shell in sample.
HR17-OU2-R3-090	2.0	44.7	-73.681912	42.886148	Abandoned	6	1	Transitional	After 3 with washout, moved to new location ~53 ft. SSE of original location; washout in next three attempts.
HR17-OU2-R3-091	1.5	45.6	-73.681264	42.886275	Removed	0	0	Rock	Probed around sampling radius; all bedrock. Sampling not attempted at this location.
HR17-OU2-R3-092	1.6	45.5	-73.680587	42.886383	Abandoned	6	1	Coarse	Minimal recovery due to cobble in jaws; washout. Ponar used to collect sample.
HR17-OU2-R3-093	2.6	44.5	-73.67953	42.886342	Removed	0	0	Rock	Probed around sampling radius; all bedrock. Sampling not attempted at this location.
HR17-OU2-R3-094	NA	NA	-73.676889	42.886244	Removed	0	NA	NA	Backwater/marshy area near Quack Island and east of an unnamed island. Locations are inaccessible safely by boat (minimal water ~0.5-2 inches) or by wading (due to soft and thick sediments). Other locations are completely on dry land. Sampling not attempted at this location.
HR17-OU2-R3-095	1.2	45.9	-73.678504	42.88638	Sampled	1	42	Fine	SAV in sample. Ponar used to collect sample.
HR17-OU2-R3-096	NA	NA	-73.677604	42.886586	Removed	0	NA	NA	Backwater/marshy area near Quack Island and east of an unnamed island. Locations are inaccessible safely by boat (minimal water ~0.5-2 inches) or by wading (due to soft and thick sediments). Other locations are completely on dry land. Sampling not attempted at this location.
HR17-OU2-R3-097	13.5	34.7	-73.682959	42.886552	Abandoned	6	0	Rock	No recovery due to cobbles in jaws. Probing indicated bedrock.
HR17-OU2-R3-098	2.8	43.9	-73.68246	42.886587	Abandoned	6	3	Coarse	After 3 unsuccessful grabs, moved to new location ~64 ft. SSW; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-099	3.4	43.2	-73.681673	42.886846	Abandoned	6	10	Transitional	After 3 grabs with washout, moved to new location ~40 ft. NNW; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-100	1.8	45.3	-73.680668	42.88663	Removed	0	0	Rock	Probed around sampling radius; all bedrock. Sampling not attempted at this location.
HR17-OU2-R3-101	2.4	44.7	-73.68035	42.886696	Removed	0	0	Rock	Probed around sampling radius; all bedrock. Sampling not attempted at this location.
HR17-OU2-R3-102	0.5	46.6	-73.678956	42.88683	Sampled	1	60	Fine	Most of target radius is on bedrock in water. Collected sample along shoreline as there are soft sediments. Ponar used to collect sample.
HR17-OU2-R3-103	NA	NA	-73.678499	42.886978	Removed	0	NA	NA	Backwater/marshy area near Quack Island and east of an unnamed island. Locations are inaccessible safely by boat (minimal water ~0.5-2 inches) or by wading (due to soft and thick sediments). Other locations are completely on dry land. Sampling not attempted at this location.
HR17-OU2-R3-104	13.0	31.1	-73.683472	42.887036	Sampled	1	30	Fine	Outfall to NW 200' of sample location.
HR17-OU2-R3-105	7.8	38.9	-73.68192	42.88715	Abandoned	6	1.5	Transitional	After 3 empty grabs, moved to new location ~ 30 ft. SE; no recovery/insufficient material in next three attempts.

**Table 2-1F Sediment Sample Coordinates and Field Notes,
Reach 3 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R3-106	2.7	44.4	-73.681393	42.887271	Removed	0	0	Rock	Probed around sampling radius; all bedrock. Sampling not attempted at this location.
HR17-OU2-R3-107	0.5	46.6	-73.679311	42.887047	Sampled	1	28	Fine	Majority of sampling radius plotted on land. Collected sample on the edge of shoreline. Ponar used to collect sample.
HR17-OU2-R3-108	5.3	41.2	-73.683565	42.887674	Sampled	4	6	Coarse	
HR17-OU2-R3-109	14.2	34.0	-73.683031	42.88761	Abandoned	6	0	Rock	Two attempts with shale in jaws, three attempts with cobbles in jaws, and one attempt with big rock in jaws. Probing indicated bedrock.
HR17-OU2-R3-110	8.3	38.7	-73.682269	42.887593	Abandoned	6	1	Coarse	No recovery due to cobble in jaws or empty sampler.
HR17-OU2-R3-111	7.6	39.1	-73.681646	42.887859	Abandoned	6	4	Transitional	After 3 empty grabs, moved to new location ~73 ft. N; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-112	0.3	46.8	-73.681135	42.887615	Removed	0	0	Rock	Probed around sampling radius; all bedrock. Sampling not attempted at this location.
HR17-OU2-R3-113	0.8	46.3	-73.680134	42.887646	Sampled	1	6	Fine	Most of radius is bedrock. Half of samples radius plots on dry land. SAV, woody debris, and detritus. Ponar used to collect sample.
HR17-OU2-R3-114	9.2	34.9	-73.683459	42.888198	Sampled	1	6	Coarse	
HR17-OU2-R3-115	4.8	42.8	-73.682425	42.888125	Abandoned	6	4	Transitional	After 3 unsuccessful grabs, moved to new location ~73 ft. E; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-116	8.6	39.0	-73.681614	42.888124	Abandoned	6	5	Transitional	After 3 unsuccessful grabs moved to new location ~87 ft. SE; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-117	3.5	44.0	-73.681133	42.888291	Sampled	6	26	Fine	After 3 unsuccessful grabs moved to new location ~63 ft. NE of original location.
HR17-OU2-R3-118	7.3	36.8	-73.683786	42.888554	Sampled	4	18	Fine	
HR17-OU2-R3-119	15.1	29.0	-73.682938	42.888456	Abandoned	6	0	Rock	No recovery in two attempts; cobbles in jaws in the other four. Probing indicated bedrock.
HR17-OU2-R3-120	8.1	36.0	-73.682186	42.888563	Abandoned	6	0	Rock	No recovery in four attempts; cobbles in jaws for other two. Probing indicated bedrock.
HR17-OU2-R3-121	6.8	40.8	-73.681503	42.888829	Sampled	4	8	Fine	Some organic/woody debris and insect larvae in sample.
HR17-OU2-R3-122	13.6	32.9	-73.682924	42.88912	Abandoned	6	6	Transitional	No recovery due to rocks in jaws.
HR17-OU2-R3-123	4.4	39.7	-73.684165	42.889109	Sampled	1	24	Fine	Some SAV in sample.
HR17-OU2-R3-124	9.0	35.1	-73.683318	42.888886	Abandoned	6	4	Coarse	No/minimal recovery due to cobble in jaws and sand/gravel washout.
HR17-OU2-R3-125	3.4	44.2	-73.681591	42.889325	Sampled	4	36	Fine	After 3 grabs with runoff, move to new location ~34 ft. E of original location.
HR17-OU2-R3-126	3.3	43.3	-73.684229	42.889487	Sampled	1	9	Coarse	Trace organic matter in sample.
HR17-OU2-R3-127	NA	NA	-73.683773	42.889544	Removed	0	NA	NA	Left location due to a "no anchor sign pipe crossing" going through location. No grabs attempted.
HR17-OU2-R3-128	14.4	33.1	-73.682432	42.889731	Abandoned	6	2	Rock	After 3 grabs with insufficient material, moved to new location ~64 ft.; no recovery/insufficient material in next three attempts. Probing indicated cobble.
HR17-OU2-R3-129	0.8	45.8	-73.684669	42.890021	Sampled	2	20	Coarse	Target on land, sample taken ~54 ft. W of target and ~10 ft. W of shoreline. Sample location ~2 ft. N of stream outflow.
HR17-OU2-R3-130	2.8	43.8	-73.684225	42.889964	Abandoned	6	0	Rock	Location in shallow water, rocky outcrops and boulders. Minimal recovery in grabs 1-3, moved ~30 ft. SW of target; minimal recovery in grabs 4-6. Probing indicated bedrock.
HR17-OU2-R3-131	1.2	45.4	-73.683355	42.890209	Sampled	4	36	Fine	After 3 grabs with cobbles caught in the jaws, moved to new location ~74 ft. N of target location.
HR17-OU2-R3-132	11.2	36.4	-73.682994	42.890139	Abandoned	6	3	Transitional	After 3 grabs with washout, moved to new location ~90 ft. NW; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-133	2.0	44.6	-73.685239	42.890472	Sampled	3	6	Coarse	Grab 1 mussel in jaw. Grab 2 gravel in jaw, washout.
HR17-OU2-R3-134	3.5	43.1	-73.684627	42.890431	Abandoned	6	1	Transitional	After 3 unsuccessful grabs, moved to new location ~42 ft. SW; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-135	3.7	43.8	-73.683771	42.890469	Sampled	3	9	Coarse	SAV bed at sample location.
HR17-OU2-R3-136	13.6	34.0	-73.682567	42.890457	Abandoned	6	4	Transitional	Insufficient material in grabs 1-3, moved ~55ft W; insufficient material in grabs 4-6 as well.
HR17-OU2-R3-137	4.0	42.6	-73.685582	42.890966	Sampled	1	12	Coarse	
HR17-OU2-R3-138	5.2	41.5	-73.684881	42.891061	Abandoned	6	3	Transitional	After 3 unsuccessful grabs, moved to new location ~38 ft. N; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-139	2.1	45.5	-73.684105	42.890912	Sampled	2	15	Fine	Target under low hanging tree, sample taken ~10 ft. NW of target.
HR17-OU2-R3-140	12.6	34.4	-73.682698	42.890945	Abandoned	6	3	Coarse	Minimal to no recovery due to rocks in jaws or empty.
HR17-OU2-R3-141	14.0	33.0	-73.682147	42.890898	Abandoned	6	3	Coarse	Minimal to no recovery due to rocks in jaws or empty.
HR17-OU2-R3-142	12.2	34.8	-73.682591	42.891337	Abandoned	6	2	Coarse	Minimal to no recovery due to rocks in jaws or empty.
HR17-OU2-R3-143	9.9	37.1	-73.681771	42.891244	Abandoned	6	3	Coarse	Minimal to no recovery due to rocks in jaws or empty.
HR17-OU2-R3-144	0.8	45.8	-73.685908	42.891542	Sampled	1	18	Fine	Target location on land, sample taken ~62 ft. W of target and ~8 ft. from shoreline.
HR17-OU2-R3-145	5.5	41.2	-73.685389	42.891697	Abandoned	6	3	Transitional	After 3 grabs with cobbles, moved to new location ~49 ft. NW; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-146	2.0	45.6	-73.684528	42.891567	Sampled	1	6	Fine	Target location on land. First grab ~19 ft. W of target, ~8 ft. W of shoreline.
HR17-OU2-R3-147	12.5	35.7	-73.682405	42.89172	Abandoned	6	4	Transitional	Two attempts no recovery, one attempt rock in jaws, two attempts gravel washout, and one attempt wood debris in jaws.
HR17-OU2-R3-148	13.9	33.7	-73.682016	42.891651	Abandoned	6	0	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated bedrock.
HR17-OU2-R3-149	1.2	45.4	-73.686014	42.892161	Sampled	2	16	Fine	After 3 grabs with cobbles, moved to new location ~84 ft. NNW of original location.
HR17-OU2-R3-150	1.6	45.1	-73.684659	42.892093	Sampled	4	6	Fine	After 3 grabs with cobbles caught in the jaws, moved to new location ~53 ft. SE of original location.
HR17-OU2-R3-151	6.6	41.0	-73.682389	42.892386	Abandoned	6	2	Transitional	Minimal recovery due to rocks/cobble in jaws or empty.
HR17-OU2-R3-152	14.4	33.2	-73.681681	42.892312	Abandoned	6	1	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated cobble.
HR17-OU2-R3-153	1.5	45.2	-73.685979	42.892677	Sampled	2	30	Fine	Target on land, first grab ~38 ft. E of target and ~6 ft. E of shoreline.
HR17-OU2-R3-154	4.5	42.2	-73.685089	42.892673	Abandoned	6	1	Transitional	After 3 grabs with insufficient material for sample, move to new location ~50 ft. E; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-155	13.2	34.4	-73.68195	42.892556	Abandoned	6	2	Transitional	Minimal recovery due to rocks/cobble in jaws or empty.
HR17-OU2-R3-156	6.5	41.7	-73.68139	42.892597	Abandoned	6	0	Rock	Five attempts no recovery and one attempt with cobbles in jaws. Probing indicated bedrock.
HR17-OU2-R3-157	2.0	44.7	-73.68588	42.893209	Sampled	4	30	Fine	After 3 grabs with mussels/cobbles caught in jaw, moved to new location ~51 ft. W of original location.
HR17-OU2-R3-158	1.9	45.5	-73.684542	42.893222	Sampled	4	3	Fine	After 3 grabs with cobbles and mussels caught in the jaws, moved to new location ~79 ft. E of original location.
HR17-OU2-R3-159	6.5	41.5	-73.682232	42.893177	Sampled	3	6	Fine	One large mussel found in grab.
HR17-OU2-R3-160	13.9	33.7	-73.681501	42.893324	Abandoned	6	0	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated bedrock.
HR17-OU2-R3-161	12.8	35.2	-73.681757	42.893714	Abandoned	6	3	Transitional	Minimal to no recovery due to cobble/mussel in jaws.

**Table 2-1F Sediment Sample Coordinates and Field Notes,
Reach 3 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R3-162	14.6	33.0	-73.68134	42.893562	Abandoned	6	0	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated bedrock.
HR17-OU2-R3-163	2.7	44.0	-73.685132	42.893719	Abandoned	6	2	Transitional	After 3 grabs with cobbles, move to new location ~36 ft. E; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-164	1.9	45.6	-73.684433	42.893743	Sampled	4	3	Coarse	Target on land. First grabs ~24 ft. SW of target. After 3 unsuccessful grabs, moved to new location ~7 ft. NE of target.
HR17-OU2-R3-165	7.5	40.1	-73.682011	42.894188	Abandoned	6	6	Transitional	Minimal recovery due to rocks/cobble in jaws or empty.
HR17-OU2-R3-166	14.1	33.9	-73.68138	42.894096	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R3-167	6.9	41.3	-73.680814	42.894156	Sampled	4	6	Fine	Two attempts no recovery, one silt washout, and one good sample grab.
HR17-OU2-R3-168	1.9	45.6	-73.685846	42.89432	Sampled	1	15	Fine	Target on land; adjusted appropriately.
HR17-OU2-R3-169	3.2	43.5	-73.68494	42.894336	Abandoned	6	2	Transitional	Target location in thick SAV bed. Grabs 1-3 unsuccessful, moved location ~37 ft. NNW of target. Grabs 4-6 unsuccessful.
HR17-OU2-R3-170	11.2	36.8	-73.681842	42.894581	Abandoned	6	4	Transitional	Three attempts with no recovery and three attempts with cobbles in jaws.
HR17-OU2-R3-171	7.9	40.3	-73.680949	42.894757	Abandoned	6	0	Rock	Five attempts with no recovery and one attempt with shale in jaws. Probing indicated bedrock.
HR17-OU2-R3-172	1.9	44.9	-73.685418	42.89478	Sampled	4	24	Fine	After 3 grabs with cobbles, moved to new location ~49 ft. WSW of target location. SAV in sample.
HR17-OU2-R3-173	2.3	44.4	-73.684192	42.894729	Sampled	4	5	Fine	After 3 grabs with runoff/insufficient material, moved to new location ~62 ft. SE of target location.
HR17-OU2-R3-174	4.0	44.2	-73.681951	42.895061	Abandoned	6	4	Transitional	No recovery due to cobbles in jaws.
HR17-OU2-R3-175	14.4	33.2	-73.681447	42.894893	Abandoned	6	0	Rock	No recovery due to cobbles in jaws. Probing indicated bedrock.
HR17-OU2-R3-176	3.5	43.3	-73.685165	42.895417	Abandoned	6	1	Transitional	After 3 unsuccessful grabs, moved to new location ~96 ft. NW; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-177	1.1	45.6	-73.685837	42.895381	Sampled	1	24	Fine	
HR17-OU2-R3-178	9.9	37.7	-73.681896	42.895656	Abandoned	6	1	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated cobble.
HR17-OU2-R3-179	15.3	32.3	-73.681286	42.895485	Abandoned	6	1	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated cobble.
HR17-OU2-R3-180	2.0	36.8	-73.685209	42.895891	Sampled	2	2	Coarse	Location in thick SAV bed.
HR17-OU2-R3-181	3.0	43.7	-73.684565	42.895862	Sampled	6	3	Transitional	Grabs 1-3 rocks and SAV in jaws. Move 50' west from first location. Grabs 4-5 washout.
HR17-OU2-R3-182	6.8	40.9	-73.682115	42.896136	Abandoned	6	3	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated cobble.
HR17-OU2-R3-183	14.5	33.2	-73.68141	42.895959	Abandoned	6	0	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated bedrock.
HR17-OU2-R3-184	3.0	43.8	-73.684606	42.896468	Abandoned	6	3	Transitional	Target on shallow, rocky outcrop. First grabs ~46 ft. SE of target. After 3 grabs with runoff, moved to new location ~50 ft. E of target; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-185	3.3	45.2	-73.683846	42.896464	Sampled	4	12	Fine	(1) cobble in jaws. (2) cobble in jaws. (3) SAV and rock in jaws. Move 24' east from first location.
HR17-OU2-R3-186	7.5	40.2	-73.682139	42.896571	Abandoned	6	2	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated cobble.
HR17-OU2-R3-187	13.3	34.3	-73.681351	42.896512	Sampled	6	5	Transitional	Boulders in water prohibiting approach to target location, first grabs ~35 ft. W of target and ~35 ft. SW of stream. After 3 empty grabs moved ~67 ft. E of target.
HR17-OU2-R3-188	3.0	43.7	-73.683844	42.896826	Sampled	1	6	Fine	Snail. Trace organic matter in sample.
HR17-OU2-R3-189	2.9	43.9	-73.685321	42.89701	Sampled	3	2	Fine	Sample is composite of grabs 1 and 3.
HR17-OU2-R3-190	2.9	43.7	-73.684832	42.896968	Sampled	1	5	Coarse	SAV in sample location.
HR17-OU2-R3-191	6.3	41.4	-73.682431	42.896936	Abandoned	6	1	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated cobble.
HR17-OU2-R3-192	14.6	33.1	-73.681475	42.89684	Abandoned	6	0	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated bedrock.
HR17-OU2-R3-193	3.7	43.1	-73.68503	42.897458	Sampled	3	2	Coarse	Larvae, crawfish. Sample is composite of grabs 1 and 3.
HR17-OU2-R3-194	3.3	43.4	-73.683886	42.89731	Sampled	4	9	Fine	Mussels observed approx. 5' away, on shore, from sample location.
HR17-OU2-R3-195	4.2	43.5	-73.682712	42.897537	Abandoned	6	4	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated cobble.
HR17-OU2-R3-196	15.0	32.7	-73.681744	42.897379	Abandoned	6	2	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated bedrock.
HR17-OU2-R3-197	4.4	43.3	-73.681363	42.897516	Sampled	2	12	Fine	SAV in sample.
HR17-OU2-R3-198	3.3	43.5	-73.685256	42.897911	Sampled	5	6	Fine	Mussels and insect larvae. Sample is composite of grabs 4 and 5.
HR17-OU2-R3-199	4.3	42.3	-73.684436	42.897944	Sampled	5	6	Coarse	(1) rock in jaws. (2) rock in jaws. (3) rock in jaws. (4) SAV in jaws.
HR17-OU2-R3-200	5.5	42.2	-73.682803	42.898013	Abandoned	6	1	Rock	Minimal recovery due to rocks/cobble in jaws or empty. Probing indicated cobble.
HR17-OU2-R3-201	15.9	31.8	-73.682195	42.89794	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R3-202	4.3	43.4	-73.681452	42.897819	Sampled	1	12	Fine	SAV and mussels in sample.
HR17-OU2-R3-203	6.0	40.6	-73.684761	42.898386	Sampled	2	10	Coarse	(1) washout, sticks in jaws.
HR17-OU2-R3-204	2.9	43.7	-73.684229	42.898452	Abandoned	6	3	Transitional	Minimal recovery due to cobble in jaws.
HR17-OU2-R3-205	3.6	44.0	-73.683285	42.8983	Sampled	4	6	Coarse	After 3 grabs with cobbles in jaw, moved to new location ~35 ft. S of original location.
HR17-OU2-R3-206	15.5	32.2	-73.682466	42.898375	Abandoned	6	2	Coarse	Minimal recovery due to rocks/cobble in jaws or empty.
HR17-OU2-R3-207	5.3	41.3	-73.685077	42.898896	Sampled	3	3	Coarse	Pebbles in jaws causing washout. SAV.
HR17-OU2-R3-208	2.9	43.7	-73.684375	42.898847	Sampled	2	3	Coarse	Found 4 large mussels in grabs.
HR17-OU2-R3-209	13.7	34.8	-73.682949	42.898838	Abandoned	6	1	Rock	Minimal recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R3-210	4.4	43.3	-73.681992	42.898871	Sampled	1	4	Fine	Invertebrate larvae in sample.
HR17-OU2-R3-211	4.8	41.8	-73.685172	42.899401	Sampled	4	9	Fine	Center of location is on land. Sample location is 84' ft. East of target.
HR17-OU2-R3-212	4.2	42.4	-73.684872	42.899158	Abandoned	6	8	Coarse	After 3 unsuccessful grabs, moved to new location ~53 ft. SW; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-213	12.8	34.9	-73.683104	42.899129	Abandoned	6	0	Rock	Minimal recovery due to rocks/cobble in jaws. Probing indicated bedrock.
HR17-OU2-R3-214	7.4	40.3	-73.682237	42.899215	Abandoned	6	2	Rock	Minimal recovery due to rocks/cobble in jaws. Probing indicated cobble.
HR17-OU2-R3-215	3.0	43.8	-73.68401	42.8993	Abandoned	6	2	Transitional	After 3 unsuccessful grabs, moved to new location ~70 ft. SW; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-216	5.7	40.9	-73.68511	42.899782	Sampled	1	20	Fine	

**Table 2-1F Sediment Sample Coordinates and Field Notes,
Reach 3 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R3-217	6.7	41.8	-73.684594	42.899647	Sampled	6	3	Coarse	3 mussels as well as some SAV in sample.
HR17-OU2-R3-218	14.5	33.3	-73.68285	42.899775	Abandoned	6	4	Coarse	Minimal recovery due to rocks/cobble in jaws.
HR17-OU2-R3-219	8.1	39.7	-73.682451	42.899781	Sampled	5	12	Fine	SAV roots and debris in sample.
HR17-OU2-R3-220	8.9	39.6	-73.684632	42.900144	Abandoned	6	3	Transitional	Minimal to no recovery due to rocks in jaws or empty.
HR17-OU2-R3-221	3.6	43.2	-73.684017	42.900046	Abandoned	6	2	Transitional	After 3 empty grabs, moved to new location ~60 S; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-222	14.1	33.7	-73.683032	42.900108	Abandoned	6	3	Coarse	Minimal to no recovery due to rocks in jaws or empty.
HR17-OU2-R3-223	5.6	42.9	-73.684948	42.900882	Sampled	1	36	Fine	
HR17-OU2-R3-224	6.2	42.3	-73.684404	42.900537	Abandoned	6	4	Transitional	Minimal recovery due to rocks/cobble in jaws; found two large mussels in grabs.
HR17-OU2-R3-225	14.2	33.6	-73.683593	42.900732	Abandoned	6	2	Transitional	Minimal to no recovery due to rocks/cobble in jaws.
HR17-OU2-R3-226	6.3	42.2	-73.68465	42.901161	Abandoned	6	4	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R3-227	13.8	34.0	-73.683219	42.900961	Abandoned	6	4	Transitional	Minimal to no recovery due to rocks/cobble in jaws.
HR17-OU2-R3-228	2.9	43.9	-73.682651	42.901008	Abandoned	6	1	Coarse	Could not approach target due to shallow, rocky water. First 3 grabs ~35 ft. SW of target. After 3 unsuccessful grabs, moved ~61 ft. SW of target; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-229	5.7	42.8	-73.684449	42.901639	Abandoned	6	4	Transitional	Minimal to no recovery due to debris/cobble in jaws.
HR17-OU2-R3-230	13.8	34.0	-73.683662	42.901376	Abandoned	6	0	Rock	Minimal to no recovery due to rocks/cobble in jaws. Probing indicated bedrock.
HR17-OU2-R3-231	13.9	33.9	-73.683403	42.901892	Abandoned	6	2	Rock	Minimal to no recovery due to rocks/cobble in jaws. Probing indicated cobble.
HR17-OU2-R3-232	7.2	41.3	-73.680305	42.906712	Abandoned	6	1	Rock	No recovery; probing indicated cobble.
HR17-OU2-R3-233	1.9	45.1	-73.678913	42.908246	Abandoned	6	10	Coarse	After 3 grabs with washout, moved ~57 ft. SE; minimal recovery due to washout in next three attempts. Final grabs ~30 ft. S of stream outflow.
HR17-OU2-R3-234	3.3	43.7	-73.678908	42.908995	Sampled	6	10	Coarse	Target location on bedrock outcrop. After 3 unsuccessful grabs, moved to new location ~63 ft. W of original location. Sample is composites of 5 and 6.
HR17-OU2-R3-235	14.1	32.9	-73.679333	42.909436	Abandoned	6	1	Transitional	After 3 unsuccessful grabs, moved to new location ~37 ft. E; no recovery/insufficient material in next three attempts.
HR17-OU2-R3-236	10.6	36.3	-73.678764	42.909594	Sampled	4	36	Coarse	After 3 grabs with washout, moved to new location ~42 ft. NW of original location. Sample location between two concrete barge tie-off blocks.
HR17-OU2-R3-237	12.3	34.7	-73.678803	42.909991	Sampled	5	18	Coarse	After 3 grabs with runoff, moved to new location ~75 ft. E of original location.
HR17-OU2-R3-238	11.8	35.2	-73.678413	42.910416	Sampled	4	36	Coarse	After 3 grabs with runoff, move to new location ~89 ft. E of original location.
HR17-OU2-R3-239	12.2	34.8	-73.678114	42.910831	Sampled	4	15	Coarse	After 3 empty grabs, moved to new location ~80 ft. E of original location
HR17-OU2-R3-240	9.6	37.4	-73.677994	42.911185	Abandoned	6	0	Rock	Target/original location ~20 ft. from Lock 3 southern entrance. After 3 empty grabs, move to new location ~50 ft. SE; no recovery/insufficient material in next three attempts. Probing indicated bedrock.

Note:
1. In the event that after three attempts a sample could not be collected from the original target location, the field crew attempted to sample at a location within a 100-ft radius of the original target location. A sample location was abandoned after six failed attempts. Coordinates were recorded for the sampled location; the coordinates for the

NA = Not applicable.
SAV = Submerged aquatic vegetation.

**Table 2-1G Sediment Sample Coordinates and Field Notes,
Reach 2 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R2-001	7.2	22.0	-73.664816	42.825127	Sampled	1	36	Fine	Target location in channel for Lock 1, sample collected ~96 ft. W of target.
HR17-OU2-R2-002	15.8	14.6	-73.664916	42.825946	Sampled	1	4	Coarse	
HR17-OU2-R2-003	17.7	12.7	-73.664286	42.826396	Abandoned	6	1	Rock	No recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R2-004	15.3	15.1	-73.662301	42.826448	Sampled	3	3	Coarse	One caddisfly larva in sample. Mussels noted in sample.
HR17-OU2-R2-005	7.7	22.7	-73.661523	42.826548	Sampled	1	4	Fine	
HR17-OU2-R2-006	16.6	13.8	-73.664917	42.827138	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-007	11.1	18.1	-73.662708	42.827023	Abandoned	6	0	Rock	No recovery due to bedrock.
HR17-OU2-R2-008	8.0	21.2	-73.661893	42.826901	Sampled	4	6	Fine	
HR17-OU2-R2-009	14.3	14.9	-73.665498	42.827887	Abandoned	6	1	Rock	No recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R2-010	15.8	13.4	-73.664585	42.827618	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-011	9.9	19.3	-73.662263	42.827707	Sampled	4	6	Coarse	
HR17-OU2-R2-012	6.0	23.2	-73.661745	42.827503	Sampled	1	18	Fine	SAV mat present at location.
HR17-OU2-R2-013	6.7	22.5	-73.665875	42.82847	Sampled	1	4	Transitional	
HR17-OU2-R2-014	18.2	12.2	-73.664867	42.828334	Abandoned	6	2	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-015	14.6	15.8	-73.663828	42.828271	Abandoned	6	2	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-016	14.8	15.6	-73.662966	42.828259	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-017	8.6	21.8	-73.661947	42.828313	Sampled	1	3	Transitional	SAV mat nearby.
HR17-OU2-R2-018	16.2	14.3	-73.665558	42.828849	Abandoned	6	1	Rock	No recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R2-019	17.2	13.3	-73.66453	42.82883	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-020	15.2	15.3	-73.663391	42.828726	Abandoned	6	1	Rock	No recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R2-021	10.0	20.4	-73.662299	42.82898	Sampled	1	8	Fine	
HR17-OU2-R2-022	14.6	15.9	-73.665975	42.829545	Abandoned	6	0	Rock	No recovery. Second grab had shale in jaws, suggesting bedrock.
HR17-OU2-R2-023	15.8	14.7	-73.664904	42.829318	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-024	14.6	15.9	-73.663858	42.829243	Abandoned	6	1	Rock	No recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R2-025	11.4	19.1	-73.662632	42.829504	Sampled	1	18	Fine	Leafy detritus, small sticks, dead clam shells, and caddisfly larvae.
HR17-OU2-R2-026	8.4	22.1	-73.662051	42.829289	Sampled	1	20	Fine	SAV present.
HR17-OU2-R2-027	11.2	19.3	-73.663309	42.830095	Sampled	2	2	Coarse	Mussels noted in sample.
HR17-OU2-R2-028	9.1	21.4	-73.662773	42.830096	Sampled	4	3	Coarse	
HR17-OU2-R2-029	13.3	17.2	-73.66422	42.830667	Abandoned	6	3	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-030	8.8	21.7	-73.662788	42.83064	Sampled	1	3	Transitional	Benthic invertebrates present.
HR17-OU2-R2-031	12.6	17.9	-73.666369	42.830886	Abandoned	6	0	Rock	No recovery. First 3 attempts no recovery; second 3 attempts failed, shale in grab possible bedrock.
HR17-OU2-R2-032	9.4	21.1	-73.664048	42.831426	Abandoned	6	1	Coarse	No recovery due to rock in jaws.
HR17-OU2-R2-033	10.0	20.5	-73.663289	42.83122	Sampled	1	6	Transitional	
HR17-OU2-R2-034	12.4	18.1	-73.665143	42.831874	Abandoned	6	0	Rock	No recovery due to large rocks in jaws. Probing indicated bedrock.
HR17-OU2-R2-035	8.1	22.4	-73.663961	42.831965	Abandoned	6	1	Transitional	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R2-036	10.3	20.2	-73.664355	42.832316	Abandoned	6	2	Transitional	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R2-037	8.5	22.0	-73.663504	42.832465	Sampled	3	7	Transitional	Caddisfly larvae in sample.
HR17-OU2-R2-038	10.7	19.8	-73.664884	42.833034	Abandoned	6	1	Coarse	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R2-039	14.5	16.0	-73.666943	42.83367	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-040	12.3	18.2	-73.665421	42.833735	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-041	12.1	18.4	-73.667596	42.834468	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-042	17.5	13.0	-73.666798	42.834374	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-043	17.7	12.8	-73.665732	42.834375	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-044	9.7	20.8	-73.664703	42.834306	Abandoned	6	1	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-045	6.2	24.3	-73.668376	42.835174	Sampled	4	24	Fine	
HR17-OU2-R2-046	17.4	13.1	-73.667243	42.834894	Abandoned	6	1	Coarse	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R2-047	17.9	12.6	-73.666217	42.835022	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Bedrock also suspected at location.
HR17-OU2-R2-048	8.8	21.7	-73.665066	42.835233	Sampled	1	28	Fine	Some SAV in sample.
HR17-OU2-R2-049	18.2	12.4	-73.667602	42.835614	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-050	18.3	12.2	-73.666616	42.835743	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-051	7.7	22.8	-73.665521	42.835841	Sampled	1	8	Transitional	SAV in sample.
HR17-OU2-R2-052	10.8	19.7	-73.668949	42.836396	Abandoned	6	1	Coarse	No recovery due to cobble in jaws. Bedrock also suspected at location due to shale in sampler and probing.
HR17-OU2-R2-053	17.2	13.3	-73.66828	42.836294	Abandoned	6	0	Rock	No recovery due to rock in jaws; probing indicated bedrock.
HR17-OU2-R2-054	17.0	13.5	-73.667206	42.836309	Abandoned	6	1	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-055	10.5	20.0	-73.66615	42.836271	Sampled	2	4	Transitional	
HR17-OU2-R2-056	12.2	18.3	-73.669489	42.83699	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Bedrock also suspected at location due to shale in sampler and probing.
HR17-OU2-R2-057	17.1	13.4	-73.667632	42.836669	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-058	6.6	23.8	-73.666521	42.83704	Sampled	4	10	Fine	First three grabs had sediments washout.
HR17-OU2-R2-059	11.6	18.9	-73.670077	42.83754	Abandoned	6	0	Rock	No recovery in two attempts due to cobbles in jaws; four empty grab attempts. Probing indicated bedrock.
HR17-OU2-R2-060	18.5	11.9	-73.669086	42.837406	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.

**Table 2-1G Sediment Sample Coordinates and Field Notes,
Reach 2 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R2-061	15.9	14.5	-73.668009	42.837396	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-062	6.5	23.9	-73.666983	42.837558	Sampled	1	5	Fine	Two caddisfly larvae in sample.
HR17-OU2-R2-063	14.7	15.8	-73.6705	42.838252	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-064	14.2	16.3	-73.668548	42.837952	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-065	14.7	15.8	-73.670929	42.838575	Abandoned	6	9	Coarse	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R2-066	16.2	14.3	-73.669911	42.83869	Abandoned	6	1	Rock	No recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R2-067	11.3	19.2	-73.668824	42.838759	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-068	2.8	27.7	-73.668267	42.838859	Sampled	1	12	Fine	
HR17-OU2-R2-069	7.7	22.8	-73.671655	42.839425	Abandoned	6	4	Coarse	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R2-070	15.8	14.7	-73.6705	42.839361	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-071	11.2	19.3	-73.669591	42.839544	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-072	7.0	23.4	-73.668822	42.839334	Sampled	1	36	Fine	
HR17-OU2-R2-073	6.4	24.1	-73.672124	42.839966	Abandoned	6	2	Coarse	Some sand and gravel recovered. Washed out due to cobbles stuck in jaws.
HR17-OU2-R2-074	15.9	14.6	-73.671043	42.840039	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-075	9.9	20.6	-73.670199	42.840042	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-076	5.1	25.3	-73.669079	42.839981	Sampled	6	3	Fine	
HR17-OU2-R2-077	10.3	20.2	-73.672353	42.840579	Abandoned	6	3	Transitional	Some silts recovered but too much washout from sampler.
HR17-OU2-R2-078	15.6	14.9	-73.671245	42.840548	Abandoned	6	2	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-079	11.2	19.3	-73.670487	42.840478	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-080	13.7	16.8	-73.671916	42.841104	Abandoned	6	2	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-081	13.6	16.9	-73.670742	42.84108	Abandoned	6	1.5	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-082	10.8	19.7	-73.669948	42.841083	Abandoned	6	1	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-083	15.7	14.8	-73.671501	42.841927	Abandoned	6	0	Rock	No recovery in three attempts due to cobbles in jaws; three empty grab attempts. Probing indicated bedrock.
HR17-OU2-R2-084	9.2	21.3	-73.670368	42.841653	Abandoned	6	2	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-085	15.9	14.6	-73.671263	42.842399	Abandoned	6	0.5	Transitional	Minimal recovery due to cobble in jaws; last two grabs had sand and mussels, but not sufficient material to collect sample.
HR17-OU2-R2-086	15.9	14.6	-73.671936	42.842316	Sampled	5	2	Transitional	Mussels noted in sample.
HR17-OU2-R2-087	12.9	17.6	-73.672852	42.842444	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-088	12.0	18.5	-73.672408	42.842925	Abandoned	6	1	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-089	16.6	13.9	-73.671332	42.843207	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-090	11.1	19.3	-73.67279	42.843528	Abandoned	6	2	Transitional	Some sand and gravel collected but too much washout from cobbles in jaws of sampler.
HR17-OU2-R2-091	14.9	15.5	-73.672085	42.843598	Abandoned	6	1	Rock	No recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R2-092	12.9	17.5	-73.671002	42.843822	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-093	10.3	20.1	-73.673315	42.844436	Abandoned	6	1	Rock	Sand washout in two grabs due to cobble in jaws of sampler. Probing indicated cobble.
HR17-OU2-R2-094	11.2	19.2	-73.672427	42.844368	Sampled	2	2	Fine	Small clam shells throughout sample.
HR17-OU2-R2-095	16.6	13.8	-73.671395	42.844134	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-096	9.5	20.9	-73.673118	42.844869	Abandoned	6	2	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-097	15.1	15.3	-73.671979	42.844923	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-098	1.0	28.1	-73.670811	42.845009	Sampled	6	6	Fine	After 3 grabs with cobbles, move to new location ~47 ft. NE of original location.
HR17-OU2-R2-099	9.0	20.9	-73.673452	42.845434	Abandoned	6	1	Transitional	Some fines washed out due to wood debris in jaws.
HR17-OU2-R2-100	9.3	21.1	-73.672563	42.845466	Abandoned	6	1	Rock	No recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R2-101	14.9	15.5	-73.67143	42.845583	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-102	1.2	27.9	-73.673792	42.846137	Sampled	1	36	Fine	Target on land, behind private dock and vessel. Sample location ~29 ft. SE of target.
HR17-OU2-R2-103	1.8	27.3	-73.670881	42.846248	Sampled	6	18	Coarse	Grabs 1-3, gravel/cobbles caught in jaws, washout. Grab 4 collected. 2 more unsuccessful grabs attempted. Sample from grab 4 only.
HR17-OU2-R2-104	9.5	20.4	-73.673427	42.846904	Sampled	1	6	Fine	One clam shell in sample.
HR17-OU2-R2-105	12.2	17.7	-73.671385	42.846565	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-106	11.1	18.8	-73.672958	42.847213	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-107	16.6	13.3	-73.671741	42.847247	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-108	5.6	24.2	-73.673342	42.848051	Abandoned	6	1	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-109	16.6	13.3	-73.672371	42.847848	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-110	5.5	24.4	-73.673414	42.848195	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-111	3.3	25.8	-73.673815	42.84867	Sampled	3	14	Fine	Worms in sample. Sample is composite of grabs 1 and 3.
HR17-OU2-R2-112	14.5	15.4	-73.672771	42.84852	Abandoned	6	2	Transitional	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R2-113	9.7	19.4	-73.671583	42.84927	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-114	3.8	25.3	-73.673816	42.849899	Sampled	3	10	Coarse	Worms in sample.
HR17-OU2-R2-115	11.6	18.3	-73.67327	42.850307	Abandoned	6	1	Transitional	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R2-116	8.1	21.0	-73.671439	42.850342	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-117	10.1	20.2	-73.671832	42.85098	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-118	5.4	23.7	-73.674266	42.851755	Sampled	2	6	Fine	Location ~40 ft. ENE of stream outflow. Sample is composite of grabs 1 and 2.
HR17-OU2-R2-119	14.3	15.6	-73.673239	42.851738	Abandoned	6	1	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-120	6.7	23.8	-73.671443	42.851977	Abandoned	6	3	Transitional	No recovery due to cobble in jaws.

**Table 2-1G Sediment Sample Coordinates and Field Notes,
Reach 2 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R2-121	15.5	15.0	-73.673747	42.852593	Abandoned	6	2	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-122	8.9	21.6	-73.672006	42.852137	Abandoned	6	2	Transitional	Minimal recovery due to cobble in jaws; washout.
HR17-OU2-R2-123	10.1	20.4	-73.672272	42.852968	Sampled	2	6	Coarse	
HR17-OU2-R2-124	6.4	24.1	-73.674811	42.853638	Abandoned	6	2	Transitional	No recovery in three attempts due to cobbles in jaws; three empty grab attempts.
HR17-OU2-R2-125	8.7	21.8	-73.672836	42.853562	Sampled	3	3	Coarse	Shale fragments in sample.
HR17-OU2-R2-126	8.3	22.2	-73.671894	42.85359	Sampled	3	6	Fine	
HR17-OU2-R2-127	8.5	22.0	-73.67224	42.854181	Sampled	3	4	Coarse	Small clam shells in sample.
HR17-OU2-R2-128	6.5	24.5	-73.67586	42.85506	Abandoned	6	1	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-129	7.2	23.2	-73.67377	42.85486	Sampled	3	2	Coarse	Clam shells. Gravel is fragmented shale.
HR17-OU2-R2-130	7.5	23.0	-73.671987	42.854827	Sampled	3	4	Fine	
HR17-OU2-R2-131	6.4	24.0	-73.673222	42.855424	Sampled	3	2	Coarse	Clam shells. Gravel is shale fragments.
HR17-OU2-R2-132	6.3	24.1	-73.672259	42.855453	Sampled	2	18	Fine	
HR17-OU2-R2-133	9.5	21.0	-73.676439	42.855996	Abandoned	6	1	Transitional	No recovery due to shale in jaws; most attempts empty.
HR17-OU2-R2-134	5.6	24.8	-73.673596	42.855968	Sampled	1	3	Coarse	
HR17-OU2-R2-135	4.5	25.9	-73.672695	42.856048	Sampled	3	21	Fine	
HR17-OU2-R2-136	4.7	25.7	-73.675031	42.856507	Sampled	5	3	Coarse	
HR17-OU2-R2-137	4.8	24.3	-73.673988	42.85673	Abandoned	6	3	Coarse	First three grabs with insufficient material, moved to new location ~54 ft. ENE. Next three grabs with washout.
HR17-OU2-R2-138	4.5	25.9	-73.6732	42.856534	Sampled	4	4	Coarse	
HR17-OU2-R2-139	0.8	28.3	-73.672347	42.856555	Sampled	2	24	Fine	Location on land, in stream delta. Sample taken ~48 ft. SW of target and ~12 ft. SW of shoreline.
HR17-OU2-R2-140	4.5	25.9	-73.675644	42.857319	Abandoned	6	1	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-141	4.2	24.9	-73.674483	42.857293	Sampled	5	2	Coarse	After 3 grabs with insufficient material, moved to new location ~52 ft. E.
HR17-OU2-R2-142	5.2	25.2	-73.673487	42.857264	Sampled	1	2	Coarse	
HR17-OU2-R2-143	17.7	12.7	-73.676828	42.857995	Abandoned	6	0	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-144	4.3	26.1	-73.674998	42.857779	Abandoned	6	1	Coarse	Minimal recovery due to shale in jaws; washout.
HR17-OU2-R2-145	4.7	25.7	-73.673954	42.857901	Sampled	1	2	Coarse	
HR17-OU2-R2-146	16.1	14.3	-73.677226	42.858594	Abandoned	6	2	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-147	15.5	14.9	-73.67687	42.858596	Abandoned	6	1	Transitional	No recovery in three attempts due to cobbles in jaws; three empty grab attempts.
HR17-OU2-R2-148	4.3	26.1	-73.675913	42.858597	Abandoned	6	1	Transitional	No recovery in three attempts due to cobbles in jaws; three empty grab attempts.
HR17-OU2-R2-149	4.5	25.9	-73.674617	42.858513	Abandoned	6	0.5	Coarse	Minimal recovery due to shale in jaws; empty in one attempt.
HR17-OU2-R2-150	15.5	14.9	-73.676778	42.859146	Abandoned	6	2	Transitional	No recovery in three attempts due to cobbles in jaws; three empty grab attempts.
HR17-OU2-R2-151	5.7	35.0	-73.676095	42.859164	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-152	3.3	25.8	-73.67493	42.859188	Abandoned	6	0.5	Rock	After 3 unsuccessful grabs, moved to new location ~54 ft. E of original location; no recovery in next three attempts. Probing indicated thin layer of fine sediment over bedrock.
HR17-OU2-R2-153	7.7	22.8	-73.67745	42.859975	Abandoned	6	2	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-154	15.5	13.6	-73.676708	42.859682	Abandoned	6	2	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-155	4.0	25.2	-73.675421	42.859757	Abandoned	6	1	Coarse	After 3 grabs with insufficient material for sample, moved ~55 ft. E; no recovery in next three attempts.
HR17-OU2-R2-156	17.4	12.9	-73.676961	42.860267	Abandoned	6	0	Rock	No recovery; probing indicated bedrock
HR17-OU2-R2-157	5.3	23.9	-73.675908	42.86041	Abandoned	6	1	Rock	After 3 unsuccessful grabs, moved ~48 ft. E of original location; no recovery in next three attempts. Probing indicated thin layer of fine sediment over bedrock.
HR17-OU2-R2-158	3.5	25.6	-73.674856	42.860391	Abandoned	6	0.5	Rock	After 3 unsuccessful grabs, moved ~70 ft. E of original location; no recovery in next three attempts. Probing indicated thin layer of fine sediment over bedrock.
HR17-OU2-R2-159	5.1	25.4	-73.677355	42.861046	Sampled	3	4	Transitional	
HR17-OU2-R2-160	15.9	14.4	-73.67651	42.860885	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-161	4.3	24.8	-73.675656	42.860854	Abandoned	6	1	Rock	After 3 unsuccessful grabs, moved ~50 ft. S of original location; no recovery in next three attempts. Probing indicated thin layer of fine sediment over bedrock.
HR17-OU2-R2-162	3.7	25.4	-73.67463	42.860992	Sampled	3	0.5	Coarse	Sample was a composite of first 3 grabs. Worms and larvae in sample.
HR17-OU2-R2-163	8.9	21.6	-73.677012	42.861623	Sampled	5	3	Transitional	Mussels noted in sample.
HR17-OU2-R2-164	6.9	22.2	-73.675856	42.861619	Abandoned	6	0.5	Rock	After 3 grabs with cobbles, moved ~52 ft. E of original location; no recovery in next three attempts. Probing indicated cobble.
HR17-OU2-R2-165	3.6	25.5	-73.674867	42.861558	Abandoned	6	0.5	Rock	After 3 unsuccessful grabs, moved ~65 ft. E of original location; no recovery in next three attempts. Probing indicated cobble.
HR17-OU2-R2-166	2.8	26.4	-73.674119	42.861611	Sampled	3	3	Coarse	Grabs 1, 2 gravel/cobble caught in jaws, washout.
HR17-OU2-R2-167	17.4	12.9	-73.676568	42.862016	Abandoned	6	3	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-168	7.9	21.2	-73.675334	42.862229	Abandoned	6	1	Transitional	After 3 unsuccessful grabs, moved to new location ~67 ft. E of original location; no recovery in next three attempts.
HR17-OU2-R2-169	16.1	14.2	-73.676177	42.862659	Abandoned	6	4	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-170	8.7	20.5	-73.674909	42.862857	Abandoned	6	1	Transitional	After 3 empty grabs, moved ~48 ft. E of original location; no recovery in next three attempts.
HR17-OU2-R2-171	3.5	25.7	-73.67395	42.862843	Sampled	5	0	Rock	After 3 grabs with insufficient material for sample, moved ~45 ft. E of original location. Probing indicated bedrock.
HR17-OU2-R2-172	15.4	14.9	-73.675533	42.863429	Abandoned	6	1	Rock	No recovery due to cobble in jaws. Probing indicated cobble.
HR17-OU2-R2-173	8.1	21.0	-73.674388	42.863487	Abandoned	6	1	Transitional	After 3 unsuccessful grabs, moved ~58 ft. E of original location; no recovery in next three attempts.
HR17-OU2-R2-174	1.7	27.5	-73.67362	42.86346	Abandoned	6	1	Rock	After 3 unsuccessful grabs, moved ~60 ft. E of original location; no recovery in next three attempts. Probing indicated thin layer of fine sediment over bedrock.
HR17-OU2-R2-175	2.4	26.8	-73.676162	42.864159	Sampled	4	8	Coarse	After 3 grabs with washout, moved ~40 ft. NW of original location.
HR17-OU2-R2-176	3.9	25.2	-73.673864	42.864078	Abandoned	6	10	Transitional	After 3 unsuccessful grabs, moved from original location; no recovery in next three attempts.
HR17-OU2-R2-177	3.0	26.2	-73.67313	42.864078	Sampled	2	1	Coarse	Sample is composite of grabs 1 and 2.
HR17-OU2-R2-178	6.7	22.4	-73.675472	42.864634	Abandoned	6	3	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-179	13.8	15.3	-73.674828	42.864614	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-180	3.8	25.3	-73.673617	42.864697	Sampled	3	0	Rock	Sample is composite of grabs 1-3.

**Table 2-1G Sediment Sample Coordinates and Field Notes,
Reach 2 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R2-181	2.0	27.2	-73.672719	42.864631	Sampled	1	5	Coarse	Trace woody debris. Target on land, sample collected ~30 ft. SW of target, ~12 ft. W of shoreline, ~15 ft. NW of stream outflow.
HR17-OU2-R2-182	7.0	22.1	-73.675091	42.865305	Abandoned	6	2	Rock	No recovery; probing indicated cobble.
HR17-OU2-R2-183	14.3	14.8	-73.674277	42.865414	Abandoned	6	2	Rock	No recovery; probing indicated cobble.
HR17-OU2-R2-184	3.3	25.8	-73.672933	42.865302	Sampled	6	1	Coarse	After 3 grabs with washout, moved to new location ~ 50 ft. E.
HR17-OU2-R2-185	5.6	23.4	-73.675527	42.86594	Sampled	1	12	Fine	
HR17-OU2-R2-186	8.1	22.3	-73.674612	42.866007	Abandoned	6	3	Rock	Minimal recovery due to shale/cobble in jaws; washout. Probing indicated cobble.
HR17-OU2-R2-187	3.8	26.6	-73.672681	42.865737	Abandoned	6	0	Rock	Minimal recovery due to shale in jaws; very shallow area. Probing indicated bedrock.
HR17-OU2-R2-188	2.9	26.1	-73.675149	42.866574	Abandoned	6	6	Transitional	Minimal recovery due to shale/cobble in jaws; washout.
HR17-OU2-R2-189	14.1	16.3	-73.6743	42.866386	Abandoned	6	0	Rock	Minimal recovery due to shale/cobble in jaws; washout. Probing indicated bedrock.
HR17-OU2-R2-190	8.1	21.0	-73.67487	42.867161	Abandoned	6	4	Transitional	Minimal recovery due to shale/cobble in jaws; washout.
HR17-OU2-R2-191	14.8	15.6	-73.673646	42.866925	Abandoned	6	1	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-192	5.8	23.3	-73.67246	42.867267	Sampled	4	4	Transitional	Little SAV in sample.
HR17-OU2-R2-193	4.7	25.2	-73.67497	42.867701	Sampled	1	10	Fine	Little woody debris. Couldn't approach target due to downed tree. Sample collected ~35 ft. SSE of target.
HR17-OU2-R2-194	9.3	19.8	-73.673818	42.867803	Abandoned	6	2	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-195	15.2	15.2	-73.673157	42.867666	Abandoned	6	0	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-196	4.1	25.0	-73.67487	42.868405	Abandoned	6	4	Transitional	First 3 grabs with washout, moved ~93 ft. W of original location; no recovery in next three attempts.
HR17-OU2-R2-197	9.4	21.0	-73.673685	42.868507	Abandoned	6	2	Transitional	No recovery due to cobble in jaws.
HR17-OU2-R2-198	4.4	24.7	-73.672518	42.868417	Abandoned	6	2	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-199	4.3	24.8	-73.674367	42.869011	Abandoned	6	4	Transitional	After 3 grabs with cobbles, moved ~90 ft. W of original location; no recovery in next three attempts.
HR17-OU2-R2-200	15.6	14.7	-73.673111	42.869027	Abandoned	6	0	Rock	No recovery due to shale in jaws; probing indicated bedrock.
HR17-OU2-R2-201	3.5	26.3	-73.674857	42.869592	Abandoned	6	3	Transitional	After 3 grabs with washout, moved ~94 ft. W of original location; no recovery in next three attempts.
HR17-OU2-R2-202	9.6	20.3	-73.673486	42.86969	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-203	14.1	15.0	-73.672749	42.869588	Abandoned	6	2	Rock	No recovery; probing indicated cobble.
HR17-OU2-R2-204	4.6	25.2	-73.674967	42.870211	Sampled	3	15	Coarse	Target location under downed tree. Sample collected ~13 ft. S of target.
HR17-OU2-R2-205	3.2	26.7	-73.67432	42.870223	Abandoned	6	3	Transitional	After 3 grabs with washout, moved ~82 ft. W of original location; no recovery in next three attempts.
HR17-OU2-R2-206	15.8	14.5	-73.672927	42.870251	Abandoned	6	0	Rock	No recovery in three attempts due to cobbles in jaws; three empty grab attempts. Probing indicated bedrock.
HR17-OU2-R2-207	4.1	25.7	-73.674834	42.870854	Abandoned	6	5	Transitional	After 3 grabs with washout, moved to new location ~92 ft. W; no recovery in next three attempts.
HR17-OU2-R2-208	14.2	15.7	-73.673153	42.87084	Abandoned	6	3	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-209	13.1	16.8	-73.672591	42.870943	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-210	14.5	16.0	-73.672959	42.871361	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-211	2.5	27.3	-73.674729	42.872016	Abandoned	6	6	Coarse	After 3 grabs with washout, moved ~72 ft. SW of original location; no recovery in next three attempts.
HR17-OU2-R2-212	8.2	21.5	-73.673376	42.872137	Abandoned	6	0	Rock	No recovery due to cobble in jaws or empty sampler. Probing indicated bedrock.
HR17-OU2-R2-213	13.6	16.1	-73.672506	42.872113	Abandoned	6	1	Coarse	No recovery due to cobble in jaws or empty sampler.
HR17-OU2-R2-214	3.1	26.7	-73.674151	42.872736	Abandoned	6	4	Transitional	After 3 grabs with washout, moved ~47 ft. NNW of original location; no recovery in next three attempts.
HR17-OU2-R2-215	14.6	15.1	-73.673137	42.872546	Abandoned	6	0	Rock	No recovery due to cobble in jaws or empty sampler. Probing indicated bedrock.
HR17-OU2-R2-216	1.3	37.0	-73.672123	42.872567	Sampled	2	18	Fine	Target location on land, on stream delta. Sample taken ~50 ft. SW of target, ~10 ft. SW of shoreline.
HR17-OU2-R2-217	1.3	37.0	-73.674634	42.873132	Abandoned	6	6	Coarse	After 3 grabs with cobbles, moved ~86 ft. SW of original location; no recovery in next three attempts.
HR17-OU2-R2-218	7.9	21.8	-73.673316	42.873297	Abandoned	6	1	Coarse	No recovery due to cobble in jaws or empty sampler.
HR17-OU2-R2-219	15.0	14.7	-73.672505	42.87306	Abandoned	6	1	Coarse	No recovery due to cobble in jaws or empty sampler.
HR17-OU2-R2-220	2.7	27.1	-73.673958	42.873935	Abandoned	6	6	Transitional	After 3 grabs with washout, moved ~43 ft. NNE of original location; no recovery in next three attempts.
HR17-OU2-R2-221	15.7	15.0	-73.672868	42.874097	Abandoned	6	0	Rock	Four attempts no recovery. Two attempts with shale and cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-222	2.1	27.7	-73.671971	42.873754	Abandoned	6	2	Transitional	After 3 unsuccessful grabs, moved ~64 ft. SE of original location; no recovery in next three attempts.
HR17-OU2-R2-223	5.1	24.0	-73.674764	42.874558	Abandoned	6	4	Coarse	After 3 grabs with washout, moved ~86 ft. W of original location; no recovery in next three attempts.
HR17-OU2-R2-224	13.8	16.7	-73.673412	42.874565	Abandoned	6	0	Rock	No recovery due to cobble in jaws. Probing indicated bedrock.
HR17-OU2-R2-225	3.8	25.3	-73.672241	42.874535	Abandoned	6	1	Transitional	After 3 unsuccessful grabs, moved ~71 ft. E of original location; no recovery in next three attempts.
HR17-OU2-R2-226	1.8	28.0	-73.675046	42.875106	Abandoned	6	8	Coarse	After 3 empty grabs, moved ~41 ft. SW of original location; no recovery due to washout in next three attempts.
HR17-OU2-R2-227	14.2	15.5	-73.673778	42.875156	Abandoned	6	1	Coarse	No recovery due to cobble in jaws or empty sampler.
HR17-OU2-R2-228	11.5	17.6	-73.673103	42.875286	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R2-229	1.7	36.6	-73.671835	42.875183	Sampled	6	1	Coarse	After 3 grabs with insufficient sediment for sample, moved to new location ~47 ft. of original location.
HR17-OU2-R2-230	3.6	26.2	-73.675583	42.87588	Sampled	4	8	Fine	After 3 unsuccessful grabs, moved to new location ~66 ft. NW of original location.
HR17-OU2-R2-231	9.2	20.5	-73.674393	42.875724	Abandoned	6	3	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-232	14.8	14.9	-73.67354	42.875789	Abandoned	6	1	Coarse	No recovery due to cobble in jaws or empty sampler.
HR17-OU2-R2-233	5.8	23.3	-73.675918	42.876354	Abandoned	6	4	Coarse	After 3 unsuccessful grabs, moved to new location ~35 ft. SW; no recovery in next three attempts.
HR17-OU2-R2-234	14.0	15.7	-73.674725	42.876282	Abandoned	6	2	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R2-235	NA	NA	-73.676827	42.876911	Removed	0	NA	NA	Unsafe sampling conditions - too close to dam. Sampling not attempted at this location.
HR17-OU2-R2-236	NA	NA	-73.676341	42.877038	Removed	0	NA	NA	Unsafe sampling conditions - too close to dam. Sampling not attempted at this location.
HR17-OU2-R2-237	1.9	27.1	-73.675447	42.876994	Sampled	5	4	Fine	After 3 grabs with washout, moved ~24 ft. W. R2-FD-07 collected. Sample is composite of grabs 4 and 5.
HR17-OU2-R2-238	NA	NA	-73.677326	42.877561	Removed	0	NA	NA	Unsafe sampling conditions - too close to dam. Sampling not attempted at this location.
HR17-OU2-R2-239	NA	NA	-73.676311	42.877554	Removed	0	NA	NA	Unsafe sampling conditions - too close to dam. Sampling not attempted at this location.

Note:
1. In the event that after three attempts a sample could not be collected from the original target location, the field crew attempted to sample at a location within a 100-ft radius of the original target location. A sample location was abandoned after six failed attempts. Coordinates were recorded for the sampled location; the coordinates for the abandoned/removed locations are the original target points.
NA = Not applicable.
SAV = Submerged aquatic vegetation

**Table 2-1H Sediment Sample Coordinates and Field Notes,
Reach 1 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R1-001	14.7	-0.5	-73.68521	42.755287	Abandoned	6	0	Rock	Minimal recovery due to rock in jaws. Probing indicated bedrock.
HR17-OU2-R1-002	10.8	3.7	-73.686724	42.755365	Sampled	3	18	Fine	Proposed location on land; shifted location. Sheen noted in sample material; strong chemical odor.
HR17-OU2-R1-003	18.1	-3.6	-73.683568	42.755305	Abandoned	8	1	Coarse	No recovery due to rock in jaws.
HR17-OU2-R1-004	10.8	3.7	-73.68623	42.756126	Sampled	1	54	Fine	Located next to water level gauge.
HR17-OU2-R1-005	18.8	-4.3	-73.684	42.756309	Sampled	8	2	Coarse	Snails and mussels in sample.
HR17-OU2-R1-006	10.2	4.3	-73.685591	42.756882	Sampled	1	6	Coarse	Shell fragments in sample.
HR17-OU2-R1-007	18.0	-3.5	-73.683303	42.756721	Abandoned	6	2	Transitional	No recovery due to rock in jaws.
HR17-OU2-R1-008	23.3	-8.8	-73.684703	42.757824	Abandoned	6	1	Transitional	No recovery due to rock in jaws. Water depth >20ft; no probe.
HR17-OU2-R1-009	19.9	-5.4	-73.683516	42.757755	Sampled	6	4	Coarse	Shell fragments in sample.
HR17-OU2-R1-010	7.8	6.4	-73.685128	42.75844	Sampled	6	6	Coarse	Approximately 100 ft. east of station. Mussels noted in sample.
HR17-OU2-R1-011	20.5	-6.0	-73.683156	42.758197	Abandoned	6	2	Transitional	No recovery due to rock in jaws.
HR17-OU2-R1-012	16.5	-2.0	-73.684817	42.75903	Abandoned	6	1	Coarse	Adjacent to island composed of boulder/cobble sized rock. No recovery due to rock in jaws.
HR17-OU2-R1-013	26.5	-8.0	-73.683888	42.758998	Abandoned	7	NA	NA	Minimal recovery due to rock in jaws. Water depth >20ft; no probe.
HR17-OU2-R1-014	13.4	0.9	-73.682567	42.7592	Sampled	5	6	Transitional	
HR17-OU2-R1-015	11.6	2.9	-73.685492	42.760017	Sampled	3	6	Transitional	Below outlet for Mohawk River. Snail and mussel shells in sample.
HR17-OU2-R1-016	16.3	-2.0	-73.683083	42.759977	Sampled	1	3	Transitional	
HR17-OU2-R1-017	12.7	1.6	-73.686353	42.760991	Abandoned	6	0	Rock	Minimal recovery due to rock in jaws; washout. Probing indicated bedrock.
HR17-OU2-R1-018	15.5	-0.2	-73.684653	42.76076	Abandoned	6	2	Transitional	Minimal recovery due to rock in jaws.
HR17-OU2-R1-019	16.6	-2.3	-73.683085	42.760699	Sampled	5	4	Transitional	
HR17-OU2-R1-020	9.9	4.4	-73.682405	42.760832	Sampled	4	3	Coarse	
HR17-OU2-R1-021	4.6	9.7	-73.686595	42.761508	Sampled	1	48	Fine	Mouth of Mohawk river.
HR17-OU2-R1-022	12.4	1.9	-73.685454	42.761543	Sampled	1	4	Transitional	
HR17-OU2-R1-023	12.8	1.5	-73.684394	42.761799	Sampled	4	8	Coarse	
HR17-OU2-R1-024	16.7	-2.4	-73.683144	42.761593	Sampled	1	2	Transitional	
HR17-OU2-R1-025	13.7	0.6	-73.684608	42.762262	Abandoned	6	3	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-026	8.1	6.2	-73.683475	42.762391	Sampled	4	12	Fine	Snails in sample.
HR17-OU2-R1-027	12.5	1.4	-73.685733	42.763015	Sampled	6	4	Transitional	Clam shells, sticks, and leaves in sample.
HR17-OU2-R1-028	11.4	2.5	-73.684392	42.762987	Sampled	6	6	Coarse	Snail shells and mussels in sample.
HR17-OU2-R1-029	13.9	-0.3	-73.682879	42.763217	Sampled	3	12	Fine	Shells in sample.
HR17-OU2-R1-030	13.6	0.0	-73.68482	42.763677	Abandoned	6	2	Coarse	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-031	6.9	6.7	-73.683861	42.764031	Sampled	4	5	Coarse	
HR17-OU2-R1-032	14.8	-1.2	-73.685295	42.764567	Sampled	1	10	Fine	
HR17-OU2-R1-033	13.2	0.4	-73.684376	42.764853	Sampled	4	6	Transitional	
HR17-OU2-R1-034	14.8	-1.2	-73.683002	42.764725	Sampled	1	4	Transitional	
HR17-OU2-R1-035	13.0	0.6	-73.684757	42.765503	Sampled	1	4	Transitional	Mussels noted in sample.
HR17-OU2-R1-036	8.1	5.5	-73.683349	42.765489	Abandoned	7	6	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-037	14.4	-0.8	-73.682273	42.76548	Sampled	1	6	Fine	
HR17-OU2-R1-038	11.9	2.4	-73.685324	42.766255	Sampled	2	36	Fine	
HR17-OU2-R1-039	14.0	3.2	-73.68282	42.766433	Abandoned	6	3	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-040	6.7	7.9	-73.685007	42.767246	Sampled	8	24	Fine	
HR17-OU2-R1-041	13.5	0.4	-73.682143	42.766899	Sampled	6	10	Fine	
HR17-OU2-R1-042	11.8	2.1	-73.684534	42.767713	Abandoned	6	0	Rock	Minimal recovery due to rock in jaws; washout. Probing indicated bedrock.
HR17-OU2-R1-043	14.0	-0.1	-73.683079	42.767827	Sampled	8	3	Coarse	
HR17-OU2-R1-044	12.9	1.0	-73.683702	42.768822	Abandoned	6	0	Rock	Minimal recovery due to rock in jaws; washout. Probing indicated bedrock.
HR17-OU2-R1-045	15.9	-2.0	-73.682196	42.768402	Sampled	5	2	Transitional	Sample collected adjacent to commercial marine terminal.
HR17-OU2-R1-046	9.0	4.9	-73.684027	42.769383	Sampled	1	14	Fine	Sample collected approximately 50 ft. west of center location on shore.
HR17-OU2-R1-047	17.7	-3.1	-73.681942	42.769395	Sampled	2	2	Coarse	Trace shells in sample.
HR17-OU2-R1-048	18.8	-4.2	-73.682164	42.769947	Abandoned	6	2	Coarse	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-049	15.9	-1.3	-73.681162	42.770015	Abandoned	6	2	Coarse	No recovery due to rock in jaws.
HR17-OU2-R1-050	8.6	6.0	-73.683224	42.771068	Sampled	5	48	Fine	South of concrete barge dolphin/mooring.
HR17-OU2-R1-051	12.1	2.5	-73.682688	42.771617	Abandoned	6	3	Transitional	Under 112 street bridge. Minimal recovery due to rock in jaws.
HR17-OU2-R1-052	12.6	2.0	-73.681793	42.772669	Abandoned	6	3	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-053	19.4	-4.8	-73.680612	42.772221	Abandoned	6	2	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-054	16.2	-1.6	-73.681446	42.773317	Abandoned	6	3	Coarse	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-055	17.3	-2.7	-73.67999	42.773021	Abandoned	6	2	Coarse	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-056	6.6	8.0	-73.6817	42.77426	Sampled	6	6	Fine	
HR17-OU2-R1-057	12.3	1.9	-73.681125	42.775067	Abandoned	6	1	Coarse	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-058	18.5	-4.3	-73.679934	42.775015	Abandoned	6	1	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-059	11.7	2.5	-73.680769	42.77568	Abandoned	9	1	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-060	21.4	-7.2	-73.679144	42.775354	Abandoned	6	2	Transitional	No recovery due to rock in jaws.

**Table 2-1H Sediment Sample Coordinates and Field Notes,
Reach 1 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R1-061	19.1	-4.9	-73.678293	42.776431	Abandoned	6	2	Transitional	No recovery due to rock in jaws.
HR17-OU2-R1-062	15.2	0.2	-73.680324	42.777051	Sampled	1	8	Fine	Sample taken next to run down dry storage ship.
HR17-OU2-R1-063	18.0	-3.5	-73.679291	42.776974	Abandoned	8	1	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-064	19.1	-6.0	-73.678138	42.777153	Abandoned	6	2	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-065	15.1	0.3	-73.680052	42.777765	Sampled	3	3	Transitional	Some shells in sample.
HR17-OU2-R1-066	18.3	-3.2	-73.678999	42.777845	Sampled	9	3	Coarse	
HR17-OU2-R1-067	20.7	-6.5	-73.678096	42.778539	Abandoned	6	2	Transitional	Minimal recovery due to rock in jaws; washout.
HR17-OU2-R1-068	14.7	-0.5	-73.679097	42.778842	Sampled	9	10	Coarse	Snail shells in sample.
HR17-OU2-R1-069	16.9	-2.7	-73.678613	42.779562	Sampled	2	2	Coarse	Clams and snails in sample.
HR17-OU2-R1-070	15.8	-1.6	-73.678246	42.780188	Abandoned	6	1	Transitional	No recovery due to rock in jaws.
HR17-OU2-R1-071	0.0	2.3	-73.676729	42.780248	Abandoned	6	1	Coarse	No recovery due to rock covered in mussels in jaws.
HR17-OU2-R1-072	8.1	7.3	-73.678566	42.780886	Sampled	2	2	Coarse	Some shell debris in sample
HR17-OU2-R1-073	14.1	2.3	-73.676617	42.780422	Sampled	4	6	Coarse	Shells in sample.
HR17-OU2-R1-074	11.1	3.1	-73.676188	42.781236	Abandoned	6	1	Transitional	No recovery due to rock in jaws.
HR17-OU2-R1-075	12.5	3.9	-73.678158	42.781875	Abandoned	6	1	Coarse	No recovery due to rock covered in mussels in jaws.
HR17-OU2-R1-076	8.7	8.7	-73.678276	42.782551	Sampled	1	6	Coarse	Target location on land, sample taken as close as possible. Mussels noted in sample.
HR17-OU2-R1-077	20.4	-3.1	-73.677318	42.782583	Abandoned	6	NA	NA	No recovery. Water depth >20ft; no probe.
HR17-OU2-R1-078	13.6	3.8	-73.676059	42.782811	Abandoned	6	NA	Rock	Minimal recovery due to rock in jaws; probing indicated bedrock.
HR17-OU2-R1-079	5.0	12.4	-73.678876	42.783424	Sampled	1	6	Coarse	Snail and shell fragments observed.
HR17-OU2-R1-080	12.0	5.4	-73.677902	42.783443	Abandoned	6	NA	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R1-081	16.5	0.9	-73.676434	42.783259	Sampled	1	NA	Coarse	
HR17-OU2-R1-082	13.4	4.0	-73.675553	42.783292	Sampled	2	1	Transitional	Some cobbles in sample. Mussels noted in sample.
HR17-OU2-R1-083	5.3	12.1	-73.678333	42.784077	Sampled	1	12	Fine	SAV in sample.
HR17-OU2-R1-084	17.7	-0.4	-73.677485	42.784115	Sampled	1	6	Coarse	Mussels and snail shell fragments in sample.
HR17-OU2-R1-085	15.6	1.8	-73.675991	42.784169	Sampled	3	12	Coarse	
HR17-OU2-R1-086	10.9	6.5	-73.677965	42.78474	Sampled	1	3	Coarse	Shell fragments in sample.
HR17-OU2-R1-087	15.2	1.7	-73.676659	42.785017	Sampled	1	24	Fine	
HR17-OU2-R1-088	10.2	6.6	-73.676241	42.785748	Sampled	2	3	Transitional	
HR17-OU2-R1-089	11.4	5.4	-73.674765	42.78574	Sampled	2	1	Coarse	
HR17-OU2-R1-090	10.1	6.7	-73.674086	42.785922	Sampled	1	2	Transitional	
HR17-OU2-R1-091	5.7	11.1	-73.675942	42.787084	Sampled	1	6	Fine	Target location on land, sample taken as close as possible.
HR17-OU2-R1-092	15.3	1.5	-73.674947	42.787246	Sampled	2	4	Coarse	
HR17-OU2-R1-093	7.9	8.9	-73.675328	42.788022	Sampled	3	1	Coarse	Some SAV. Mussels noted in sample.
HR17-OU2-R1-094	9.4	7.4	-73.674036	42.787802	Abandoned	6	1	Transitional	No recovery due to rock in jaws.
HR17-OU2-R1-095	14.0	2.8	-73.673075	42.787951	Sampled	3	6	Transitional	Mussels noted in sample.
HR17-OU2-R1-096	8.3	8.5	-73.674907	42.788623	Abandoned	6	1	Coarse	No recovery due to woody debris in jaws; washout.
HR17-OU2-R1-097	15.2	1.6	-73.673303	42.788802	Sampled	1	2	Coarse	Mussels noted in sample.
HR17-OU2-R1-098	8.3	8.5	-73.672418	42.78899	Sampled	2	4	Fine	
HR17-OU2-R1-099	9.0	7.5	-73.673028	42.789412	Sampled	5	1	Coarse	No recovery in first 5 attempts due to woody debris in jaws; washout.
HR17-OU2-R1-100	7.1	9.4	-73.674756	42.790379	Sampled	1	12	Fine	
HR17-OU2-R1-101	14.7	1.8	-73.673505	42.790284	Sampled	1	6	Coarse	
HR17-OU2-R1-102	6.5	10.0	-73.672241	42.790307	Sampled	2	4	Transitional	Mussels noted in sample.
HR17-OU2-R1-103	4.5	12.0	-73.671779	42.791074	Sampled	1	8	Fine	Some SAV.
HR17-OU2-R1-104	18.4	-2.0	-73.673175	42.792588	Sampled	6	2	Coarse	Snail shells, pebbles, and clam shells in sample.
HR17-OU2-R1-105	9.8	6.6	-73.67222	42.79352	Sampled	1	2	Transitional	
HR17-OU2-R1-106	14.5	1.9	-73.672698	42.794084	Sampled	6	NA	NA	
HR17-OU2-R1-107	7.4	9.0	-73.671774	42.794307	Sampled	1	8	Transitional	Mussels noted in sample.
HR17-OU2-R1-108	6.9	9.5	-73.673568	42.795062	Sampled	3	8	Fine	Some SAV.
HR17-OU2-R1-109	14.2	2.2	-73.672206	42.795006	Sampled	1	12	Fine	Shell fragments in sample.
HR17-OU2-R1-110	8.9	7.5	-73.671591	42.795694	Sampled	2	6	Coarse	
HR17-OU2-R1-111	5.2	11.2	-73.671105	42.796605	Sampled	1	12	Fine	
HR17-OU2-R1-112	0.5	14.5	-73.670202	42.796567	Sampled	1	10	Fine	Ponar used to collect sample.
HR17-OU2-R1-113	5.5	10.9	-73.670518	42.797404	Sampled	3	2	Coarse	
HR17-OU2-R1-114	6.0	10.7	-73.669834	42.79827	Sampled	4	1	Coarse	
HR17-OU2-R1-115	9.1	7.6	-73.66612	42.799795	Sampled	6	8	Transitional	Bricks trapped in jaws on the first three attempts.
HR17-OU2-R1-116	7.0	9.7	-73.663606	42.799668	Sampled	1	36	Fine	Some SAV.
HR17-OU2-R1-117	11.3	5.4	-73.665628	42.800452	Sampled	4	24	Fine	
HR17-OU2-R1-118	13.0	3.7	-73.666808	42.800605	Sampled	2	18	Fine	Tiny shells in sample.
HR17-OU2-R1-119	11.5	5.2	-73.664331	42.800496	Sampled	1	6	Fine	
HR17-OU2-R1-120	14.6	2.1	-73.663167	42.800618	Sampled	4	2	Coarse	Outfall near location, culvert ~100 ft. inland, but water flows out into river.

**Table 2-1H Sediment Sample Coordinates and Field Notes,
Reach 1 Hudson River PCB Sediments Site OU-2, New York**

Sampling Location	Water Depth (ft.)	Sediment Surface Elevation (ft.) NAVD88	Geographic Coordinates NAD83		Location Status	Number of Attempts ¹	Probing Depth (inches)	Probing Sediment Type	Location/Sample Notes
			X Coordinate	Y Coordinate					
HR17-OU2-R1-121	8.4	8.3	-73.663913	42.801108	Sampled	4	6	Fine	Snails in sample.
HR17-OU2-R1-122	14.4	2.3	-73.662237	42.801317	Sampled	3	16	Transitional	Few pieces of broken glass in sample.
HR17-OU2-R1-123	8.9	7.8	-73.661161	42.801235	Sampled	1	24	Fine	Small amount of woody debris and tiny worm in sample.
HR17-OU2-R1-124	9.8	6.7	-73.663069	42.801806	Abandoned	6	2	Coarse	No recovery. Location abandoned. SAV present in nearshore grabs.
HR17-OU2-R1-125	11.8	4.7	-73.662078	42.801963	Sampled	2	NA	NA	
HR17-OU2-R1-126	7.2	9.3	-73.662208	42.802736	Sampled	1	4	Transitional	Snail shell in sample.
HR17-OU2-R1-127	16.3	0.2	-73.661179	42.802529	Sampled	6	3	Transitional	First three attempts resulted in no recovery. Moved to new location within sampling radius.
HR17-OU2-R1-128	4.5	10.5	-73.66145	42.803614	Abandoned	6	3	Coarse	No recovery due to rock in jaws. Ponar used to sample.
HR17-OU2-R1-129	10.2	6.3	-73.659462	42.803702	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R1-130	7.3	9.2	-73.661257	42.804142	Sampled	2	10	Transitional	
HR17-OU2-R1-131	9.7	6.8	-73.660224	42.804367	Abandoned	6	2	Coarse	No recovery due to rock in jaws.
HR17-OU2-R1-132	9.3	7.2	-73.661703	42.804967	Sampled	1	96	Fine	Thick, super soft depositional layer of silts, 8 feet in depth.
HR17-OU2-R1-133	6.1	10.4	-73.660429	42.80511	Sampled	2	4	Fine	SAV in sample.
HR17-OU2-R1-134	8.0	8.5	-73.65969	42.805776	Abandoned	6	1	Coarse	Poor recovery due to large gravel and SAV.
HR17-OU2-R1-135	6.1	9.9	-73.659468	42.806755	Sampled	6	3	Coarse	Large pebbles 3in in diameter with trace coarse sand.
HR17-OU2-R1-136	15.1	0.9	-73.658394	42.807268	Sampled	5	6	Coarse	
HR17-OU2-R1-137	8.5	7.5	-73.657446	42.807414	Sampled	2	5	Coarse	
HR17-OU2-R1-138	5.2	10.8	-73.659064	42.808406	Abandoned	6	5	Rock	No recovery; probing indicated cobble.
HR17-OU2-R1-139	16.6	-0.6	-73.657998	42.808267	Sampled	1	7	Coarse	
HR17-OU2-R1-140	15.8	-0.2	-73.658295	42.808923	Sampled	2	5	Coarse	
HR17-OU2-R1-141	8.0	8.0	-73.657228	42.809168	Sampled	1	4	Fine	
HR17-OU2-R1-142	8.2	7.8	-73.659172	42.809882	Abandoned	6	1	Coarse	No recovery due to rock in jaws.
HR17-OU2-R1-143	15.7	0.3	-73.658178	42.809593	Sampled	5	10	Coarse	
HR17-OU2-R1-144	15.7	0.3	-73.658461	42.810606	Sampled	2	5	Coarse	Some mussel shells in sample.
HR17-OU2-R1-145	6.3	9.7	-73.657562	42.810468	Sampled	3	12	Transitional	
HR17-OU2-R1-146	12.7	3.3	-73.659066	42.811221	Abandoned	6	1	Coarse	No recovery due to rock in jaws.
HR17-OU2-R1-147	7.1	8.9	-73.657731	42.811497	Sampled	4	12	Transitional	Some SAV.
HR17-OU2-R1-148	6.1	9.9	-73.65987	42.812179	Sampled	1	28	Fine	
HR17-OU2-R1-149	17.4	-1.4	-73.658795	42.812011	Abandoned	6	1	Coarse	No recovery due to rock in jaws; washout.
HR17-OU2-R1-150	15.3	0.7	-73.659283	42.81285	Sampled	3	2	Coarse	
HR17-OU2-R1-151	5.7	10.3	-73.657652	42.812958	Abandoned	6	18	Fine	No recovery due to rock and fines in jaws.
HR17-OU2-R1-152	15.7	-0.3	-73.659558	42.813493	Abandoned	6	1	Rock	No recovery due to cobbles and mussels in all grabs. Probing indicated cobble.
HR17-OU2-R1-153	10.5	5.5	-73.657675	42.813718	Abandoned	6	3	Coarse	No recovery due to cobbles and mussels in all grabs.
HR17-OU2-R1-154	17.2	-1.8	-73.659393	42.814448	Sampled	2	4	Coarse	Some small mussel shells.
HR17-OU2-R1-155	12.4	3.6	-73.656321	42.815309	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R1-156	15.3	0.1	-73.659986	42.815442	Sampled	2	24	Fine	Some leafy debris.
HR17-OU2-R1-157	15.2	0.8	-73.660303	42.816201	Sampled	1	18	Fine	Some SAV.
HR17-OU2-R1-158	7.6	7.8	-73.659144	42.815882	Abandoned	6	1	Coarse	No recovery due to rock in jaws.
HR17-OU2-R1-159	13.4	2.0	-73.659616	42.81658	Abandoned	6	1	Coarse	No recovery due to cobble in jaws.
HR17-OU2-R1-160	10.8	4.6	-73.659073	42.817526	Abandoned	6	1	Coarse	No recovery due to cobble in jaws; washout.
HR17-OU2-R1-161	14.4	1.0	-73.661742	42.818558	Sampled	1	30	Fine	
HR17-OU2-R1-162	2.5	12.7	-73.660294	42.819305	Abandoned	6	1	Transitional	No recovery due to rock in jaws. Station in area with fast current.
HR17-OU2-R1-163	6.2	9.2	-73.659182	42.81901	Abandoned	6	0	Rock	No recovery due to cobble in jaws; washout. Probing indicated bedrock.
HR17-OU2-R1-164	5.9	10.1	-73.65525	42.8193	Abandoned	6	6	Other- see notes	Target location on land; shifted within sampling radius. No recovery due to cobble in jaws.
HR17-OU2-R1-165	11.3	4.7	-73.654148	42.81898	Abandoned	6	2	Coarse	No recovery due to cobble and wood in jaws.
HR17-OU2-R1-166	13.9	1.5	-73.662899	42.820028	Sampled	1	36	Fine	Some mussel shells.
HR17-OU2-R1-167	3.4	11.8	-73.66087	42.819897	Abandoned	6	0	Rock	No recovery; probing indicated bedrock. Ponar used to sample.
HR17-OU2-R1-168	0.5	14.6	-73.65989	42.81998	Sampled	1	10	Coarse	Small mussels noted throughout sample. Ponar used to collect sample.
HR17-OU2-R1-169	4.7	11.3	-73.656157	42.819859	Abandoned	6	1	Rock	No recovery; probing indicated cobble.
HR17-OU2-R1-170	6.4	9.6	-73.65479	42.81967	Sampled	1	12	Fine	Some mussel shells in sample.
HR17-OU2-R1-171	7.6	8.4	-73.653544	42.819786	Abandoned	6	0	Rock	No recovery; probing indicated bedrock.
HR17-OU2-R1-172	0.4	14.8	-73.660556	42.820904	Sampled	2	4	Coarse	Most of sample radius plotted on dry land. Mussels noted in sample. Ponar used to collect sample.
HR17-OU2-R1-173	2.8	12.2	-73.659119	42.820573	Abandoned	6	2	Coarse	No recovery due to rock in jaws.
HR17-OU2-R1-174	6.0	10.0	-73.657502	42.820786	Sampled	3	2	Coarse	Some SAV present.
HR17-OU2-R1-175	8.9	7.1	-73.656888	42.820804	Sampled	5	3	Coarse	Some mussel shells in sample.
HR17-OU2-R1-176	15.2	0.2	-73.663498	42.821183	Sampled	1	48	Fine	Some mussel shells in sample.
HR17-OU2-R1-177	0.9	14.1	-73.658303	42.821673	Abandoned	6	0	Rock	Most of station radius plotted on land or in water less than four inches deep; no recovery in waters deep enough to sample. Probing indicated bedrock.
HR17-OU2-R1-178	10.8	5.2	-73.653617	42.821587	Sampled	1	3	Coarse	Some old mussel shells in sample.
HR17-OU2-R1-179	14.3	1.1	-73.664007	42.822229	Sampled	1	24	Fine	Some detritus in top of sample.
HR17-OU2-R1-180	10.9	5.1	-73.653988	42.822329	Sampled	1	4	Coarse	

Note:
1. In the event that after three attempts a sample could not be collected from the original target location, the field crew attempted to sample at a location within a 100-ft radius of the original target location. A sample location was abandoned after six failed attempts. Coordinates were recorded for the sampled location; the coordinates for the abandoned/removed locations are the original target points.
SAV = Submerged aquatic vegetation

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Table 2-2 Fish Sampling Coordinates

Reach	EA Sampling Location	Start/End Locations	
		Geographic Coordinates NAD 83	
		X Coordinate	Y Coordinate
1	R1-1	-73.65525	42.817258
		-73.65802	42.814025
	R1-2	-73.66103	42.801291
		-73.66632	42.799741
	R1-3	-73.67517	42.788575
		-73.67650	42.786191
	R1-4	-73.68267	42.771658
		-73.68370	42.770075
2	R2-1	-73.67228	42.872325
		-73.67217	42.867925
	R2-2	-73.67265	42.857058
		-73.67210	42.855941
	R2-3	-73.67380	42.845991
		-73.67362	42.844925
	R2-4	-73.66578	42.827741
		-73.66515	42.825741
	R2-5	-73.66260	42.830991
		-73.66172	42.828641
	R2-6	-73.66502	42.835208
		-73.66303	42.832108
3	R3-1	-73.67925	42.907875
		-73.68183	42.905291
	R3-2	-73.68132	42.897558
		-73.68097	42.893191
	R3-3	-73.68320	42.884208
		-73.68097	42.880325
4	R4-1	-73.65622	42.930575
		-73.65860	42.928291
	R4-2	-73.66653	42.921441
		-73.66652	42.921441
	R4-3	-73.67457	42.919441
		-73.67952	42.915041
5	R5N-1	-73.57720	43.111191
		-73.57583	43.106991
	R5N-2	-73.57785	43.060958
		-73.57648	43.057658
	R5N-3	-73.59280	43.055658
		-73.59273	43.057108
	R5N-3	-73.59085	43.052425
		-73.58740	43.048491
	R5N-3	-73.58618	43.048075
		-73.58628	43.045075
	R5S-1	-73.60722	42.985725
		-73.60830	42.981741
R5S-2	-73.63718	42.939375	
	-73.64207	42.938058	

Table 2-2 Fish Sampling Coordinates

Reach	EA Sampling Location	Start/End Locations	
		Geographic Coordinates NAD 83	
		X Coordinate	Y Coordinate
6	R6-1	-73.57945	43.159258
		-73.58287	43.148791
	R6-1	-73.58273	43.157225
		-73.58187	43.154558
	R6-2	-73.58743	43.130441
		-73.58553	43.127825
	R6-2	-73.59065	43.130458
		-73.58767	43.128141
	R6-3	-73.58533	43.121108
		-73.58357	43.119591
	R6-4	-73.58515	43.148125
		-73.58833	43.144041
	R6-4	-73.58667	43.143758
		-73.58830	43.141791
7	R7-1	-73.58418	43.179191
		-73.58870	43.171975
	R7-2	-73.58832	43.168258
		-73.58242	43.164108
	R7-2	-73.58777	43.166258
		-73.58515	43.163375
8	R8-1	-73.58892	43.262975
		-73.58807	43.261691
	R8-2	-73.59337	43.249091
		-73.59277	43.247491
	R8-2	-73.59018	43.250291
		-73.59438	43.248658
	R8-3	-73.59402	43.235108
		-73.59040	43.231625
	R8-4	-73.58423	43.220091
		-73.58348	43.215308
	R8-5	-73.57853	43.211191
		-73.57843	43.207591
	R8-6	-73.58313	43.194808
		-73.58313	43.193841

**Table 3-1 Sediment Analytical Summary Statistics by Reach
Hudson River PCB Sediments Site OU-2, New York**

Location	Analyte	Sample Counts	Frequency of Detect	Frequency of Non-detect	Detected Concentrations (mg/kg)		
					Minimum	Average	Maximum
Reach 8	Total Organic Carbon	211	211	0	496	9,410	77,900
	Total PCB Aroclors	211	187	24	0.0187	1.69	23.1
	Total PCB Congener	21	21	0	0.0386	3.27	42.5
Reach 7	Total Organic Carbon	90	90	0	701	12,100	61,900
	Total PCB Aroclors	90	87	3	0.0297	5.20	60.9
	Total PCB Congener	10	10	0	0.0890	8.52	24.2
Reach 6	Total Organic Carbon	79	79	0	826	18,200	53,000
	Total PCB Aroclors	79	78	1	0.161	2.40	19.1
	Total PCB Congener	7	7	0	1.37	2.70	5.88
Reach 5	Total Organic Carbon	242	242	0	656	14,300	51,900
	Total PCB Aroclors	242	236	6	0.0072	1.29	11.6
	Total PCB Congener	25	25	0	0.136	1.42	4.91
Reach 4	Total Organic Carbon	238	238	0	1,590	19,200	90,500
	Total PCB Aroclors	238	199	39	0.0218	1.66	67.1
	Total PCB Congener	21	21	0	0.0160	1.34	3.80
Reach 3	Total Organic Carbon	108	108	0	1,200	13,900	43,700
	Total PCB Aroclors	108	103	5	0.038	2.23	39.8
	Total PCB Congener	12	12	0	0.0560	1.95	8.11
Reach 2	Total Organic Carbon	69	69	0	1,460	8,620	24,700
	Total PCB Aroclors	69	63	6	0.0294	0.499	2.36
	Total PCB Congener	7	7	0	0.150	0.356	0.532
Reach 1	Total Organic Carbon	116	116	0	931	8,310	38,100
	Total PCB Aroclors	116	109	7	0.0218	0.745	15.4
	Total PCB Congener	12	12	0	0.0324	0.511	2.56
Old Champlain Canal	Total Organic Carbon	9	9	0	33,600	52,900	66,400
	Total PCB Aroclors	9	9	0	0.0874	8.69	50.1

Notes:
 Statistics are based on detected results only and do not include field duplicates.
 mg/kg: milligrams per kilogram
 PCB: polychlorinated biphenyl
 TOC: total organic carbon

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Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-001	HR17-OU2-R8-001	HR17-OU2-R8-003	HR17-OU2-R8-004	HR17-OU2-R8-004	HR17-OU2-R8-005	HR17-OU2-R8-006	HR17-OU2-R8-007	HR17-OU2-R8-008	HR17-OU2-R8-009	HR17-OU2-R8-010	HR17-OU2-R8-011	HR17-OU2-R8-012	
Sample Name	HR17-OU2-R8-001	HR17-OU2-R8-FD21	HR17-OU2-R8-003	HR17-OU2-R8-004	HR17-OU2-R8-FD15	HR17-OU2-R8-005	HR17-OU2-R8-006	HR17-OU2-R8-007	HR17-OU2-R8-008	HR17-OU2-R8-009	HR17-OU2-R8-010	HR17-OU2-R8-011	HR17-OU2-R8-012	
Sample Date	7/22/2017	7/22/2017	7/19/2017	7/20/2017	7/19/2017	7/19/2017	7/19/2017	7/19/2017	7/19/2017	7/19/2017	7/19/2017	7/19/2017	7/19/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample		HR17-OU2-R8-001												
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	14500	19600	1250	16400	13100	15700	7150	11000	4160	17500	6260	17900	3060
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	89	100	100	100	100	100	97
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	88	100	100	100	89	100	100	100	100	100	82
Sieve-US Std. 1-inch (25 mm)	%	100	93	68	100	100	100	71	100	100	100	100	100	75
Sieve-US Std. 0.75-inch (19 mm)	%	100	90	61	100	100	99	61	100	95	100	99	100	72
Sieve-US Std. 0.375-inch (9.5 mm)	%	97	89	51	90	96	96	49	100	76	97	94	95	65
Sieve-U.S. Std. No. 4 (4.75mm)	%	97	88	38	80	92	93	35	100	61	85	88	90	58
Sieve-U.S. Std. No. 10 (2mm)	%	96	87	25	64	87	90	22	100	37	72	78	83	51
Sieve-U.S. Std. No. 20 (0.85mm)	%	91	84	15	63	85	77	15	99	30	68	66	78	41
Sieve-U.S. Std. No. 40 (0.425mm)	%	79	75	9	58	79	49	9	96	22	61	46	70	26
Sieve-U.S. Std. No. 60 (0.25mm)	%	56	54	4	50	67	27	4	89	10	53	20	59	12
Sieve-U.S. Std. No. 140 (0.106mm)	%	35	35	0	31	42	11	1	48	1	39	4	40	2
Sieve-U.S. Std. No. 200 (0.075mm)	%	32	32	0.1	27	37	9.7	1.1	39	0.3	35	3.0	37	1.5
Grain Size Classification														
Gravel	%	3	12	62	20	8	7	65	0	39	15	12	10	42
Sand	%	65	56	37.9	53	55	83.3	33.9	61	60.7	50	85	53	56.5
Fines	%	32	32	0.1	27	37	9.7	1.1	39	0.3	35	3.0	37	1.5
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	9.5	11.2	0	6.2	9.6	1.0	0.1	7.5	0	10.1	0.2	12.0	0.1
Hydrometer, Reading 2, Percent Passing	%	9.5	10.3	0	5.8	8.8	0.9	0.1	7.5	0	9.4	0.2	11.7	0.1
Hydrometer, Reading 3, Percent Passing	%	8.5	10.3	0	4.5	7.3	0.8	0.1	6.3	0	8.2	0.2	10.1	0.1
Hydrometer, Reading 4, Percent Passing	%	7.0	8.5	0	3.4	5.9	0.7	0.1	5.1	0	7.3	0.2	8.8	0.1
Hydrometer, Reading 5, Percent Passing	%	5.6	7.2	0	3.0	5.3	0.6	0.1	4.6	0	6.2	0.1	8.0	0.1
Hydrometer, Reading 6, Percent Passing	%	4.6	6.8	0	1.7	3.4	0.3	0	2.6	0	4.5	0.1	5.4	0.1
Hydrometer, Reading 7, Percent Passing	%	3.1	4.6	0	0.6	1.9	0.1	0	1.9	0	2.9	0.1	3.3	0
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	25.7 U	28.5 U	17.7 U	28.4 U	27.7 U	29.3 U	17.8 U	25.7 U	19.2 U	30.4 U	19.7 U	29.3 U	20.7 U
PCB-1221 (Aroclor 1221)	ug/kg	351 J	596 J	17.7 U	239	279	685	715	863	493	107	431	148	1930
PCB-1232 (Aroclor 1232)	ug/kg	25.7 U	28.5 U	17.7 U	28.4 U	27.7 U	29.3 U	17.8 U	25.7 U	19.2 U	30.4 U	19.7 U	29.3 U	20.7 U
PCB-1242 (Aroclor 1242)	ug/kg	417 J	736 J	35.6 J	253	261	764	971	756	628	139	786	194	2870
PCB-1248 (Aroclor 1248)	ug/kg	25.7 U	28.5 U	17.7 U	28.4 U	27.7 U	29.3 U	17.8 U	25.7 U	19.2 U	30.4 U	19.7 U	29.3 U	20.7 U
PCB-1254 (Aroclor 1254)	ug/kg	60.1 J	127 J	17.7 U	64.8 J	54.8 J	177	64.0	143	45.0 J	45.7 J	85.7	42.8 J	162
PCB-1260 (Aroclor 1260)	ug/kg	25.7 U	28.5 U	17.7 U	28.4 U	27.7 U	29.3 U	17.8 U	25.7 U	19.2 U	30.4 U	19.7 U	29.3 U	20.7 U
Total PCBs	ug/kg	828.1	1459	35.6	556.8	594.8	1626	1750	1762	1166	291.7	1302.7	384.8	4962

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-013	HR17-OU2-R8-014	HR17-OU2-R8-015	HR17-OU2-R8-016	HR17-OU2-R8-017	HR17-OU2-R8-018	HR17-OU2-R8-019	HR17-OU2-R8-020	HR17-OU2-R8-020	HR17-OU2-R8-021	HR17-OU2-R8-022	HR17-OU2-R8-024	HR17-OU2-R8-025	
Sample Name	HR17-OU2-R8-013	HR17-OU2-R8-014	HR17-OU2-R8-015	HR17-OU2-R8-016	HR17-OU2-R8-017	HR17-OU2-R8-018	HR17-OU2-R8-019	HR17-OU2-R8-020	HR17-OU2-R8-FD18	HR17-OU2-R8-021	HR17-OU2-R8-022	HR17-OU2-R8-024	HR17-OU2-R8-025	
Sample Date	7/22/2017	7/22/2017	7/22/2017	7/22/2017	7/21/2017	7/22/2017	7/21/2017	7/21/2017	7/21/2017	7/20/2017	7/22/2017	7/20/2017	7/20/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample									HR17-OU2-R8-020					
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	4060	4230	18500	1970	5150 J	2060	3360	14600	10900	3760	27400	7260	9120
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	96	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	92	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	92	99	100	94	82	98	100	100	97	100	100	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	98	78	95	99	85	63	95	100	100	94	100	99	95
Sieve-U.S. Std. No. 10 (2mm)	%	95	56	88	95	75	41	87	100	100	83	99	90	80
Sieve-U.S. Std. No. 20 (0.85mm)	%	87	52	79	82	69	14	77	98	98	73	56	85	69
Sieve-U.S. Std. No. 40 (0.425mm)	%	73	43	64	61	60	6	54	91	91	63	21	74	55
Sieve-U.S. Std. No. 60 (0.25mm)	%	48	33	44	26	44	3	26	79	79	51	6	58	40
Sieve-U.S. Std. No. 140 (0.106mm)	%	9	15	24	4	14	1	7	52	39	16	1	36	25
Sieve-U.S. Std. No. 200 (0.075mm)	%	6.7	10	20	3.7	12	0.9	5.7	41	29	10	0.2	31	23
Grain Size Classification														
Gravel	%	2	22	5	1	15	37	5	0	0	6	0	1	5
Sand	%	91.3	68	75	95.3	73	62.1	89.3	59	71	84	99.8	68	72
Fines	%	6.7	10	20	3.7	12	0.9	5.7	41	29	10	0.2	31	23
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.6	0.9	3.1	0.1	1.0	0	0.4	5.6	4.1	0.6	0	3.0	2.5
Hydrometer, Reading 2, Percent Passing	%	0.5	0.9	2.8	0.1	0.8	0	0.4	3.6	3.7	0.4	0	3.0	2.5
Hydrometer, Reading 3, Percent Passing	%	0.5	0.9	2.8	0	0.7	0	0.4	3.6	3.3	0.4	0	1.9	2.5
Hydrometer, Reading 4, Percent Passing	%	0.5	0.8	2.4	0	0.7	0	0.3	3.0	3.3	0.4	0	1.9	2.5
Hydrometer, Reading 5, Percent Passing	%	0.5	0.8	1.6	0	0.7	0	0.3	3.0	2.5	0.3	0	1.5	1.4
Hydrometer, Reading 6, Percent Passing	%	0.5	0.6	1.6	0	0.7	0	0.2	1.6	2.5	0.1	0	1.5	0.7
Hydrometer, Reading 7, Percent Passing	%	0.4	0.6	0.9	0	0.5	0	0.2	0.9	0.9	0.1	0	1.5	0.7
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	21.6 U	18.3 U	28.9 U	20.5 U	22.1 U	17.7 U	21.1 U	24.7 U	25.0 U	22.4 U	26.9 U	25.2 U	25.1 U
PCB-1221 (Aroclor 1221)	ug/kg	400	325	49.3 J	312	22.1 U	306	21.1 U	218	220	22.5 J	2300 J	30.8 J	25.1 U
PCB-1232 (Aroclor 1232)	ug/kg	21.6 U	18.3 U	28.9 U	20.5 U	22.1 U	17.7 U	21.1 U	24.7 U	25.0 U	22.4 U	26.9 U	25.2 U	25.1 U
PCB-1242 (Aroclor 1242)	ug/kg	347	594	78.8 J	366	29.7 J	450	21.1 U	233	224	37.9 J	1830 J	63.1 J	38.3 J
PCB-1248 (Aroclor 1248)	ug/kg	21.6 U	18.3 U	28.9 U	20.5 U	22.1 U	17.7 U	21.1 U	24.7 U	25.0 U	22.4 U	26.9 U	25.2 U	25.1 U
PCB-1254 (Aroclor 1254)	ug/kg	46.2 J	44.1 J	38.0 J	27.7 J	22.1 U	29.2 J	21.1 U	52.2 J	44.2 J	22.4 U	315 J	25.2 U	25.1 U
PCB-1260 (Aroclor 1260)	ug/kg	21.6 U	18.3 U	28.9 U	20.5 U	22.1 U	17.7 U	21.1 U	24.7 U	25.0 U	22.4 U	26.9 U	25.2 U	25.1 U
Total PCBs	ug/kg	793.2	963.1	166.1	706	29.7	785	ND	503	488	60.4	4450	93.9	38.3

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-025	HR17-OU2-R8-026	HR17-OU2-R8-027	HR17-OU2-R8-028	HR17-OU2-R8-029	HR17-OU2-R8-030	HR17-OU2-R8-031	HR17-OU2-R8-032	HR17-OU2-R8-033	HR17-OU2-R8-034	HR17-OU2-R8-035	HR17-OU2-R8-036	HR17-OU2-R8-037	
Sample Name	HR17-OU2-R8-FD16													
Sample Date	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/22/2017	7/20/2017	7/22/2017	7/20/2017	7/22/2017	7/22/2017	7/20/2017	7/22/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample	HR17-OU2-R8-025													
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	8190	2490	3020	5060	7790	12700	2940	3380	13000	19300	6820	16100 J	14800
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	97	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	92	100	88	97	100	100	97	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	94	84	100	80	100	74	89	94	96	83	99	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	82	73	98	69	100	61	80	84	92	67	99	98	100
Sieve-U.S. Std. No. 10 (2mm)	%	63	57	91	57	93	46	66	63	85	54	97	94	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	56	37	80	45	90	33	45	31	76	44	92	89	97
Sieve-U.S. Std. No. 40 (0.425mm)	%	43	18	58	35	84	26	26	17	66	35	78	83	94
Sieve-U.S. Std. No. 60 (0.25mm)	%	30	8	38	25	73	19	13	11	56	24	57	74	77
Sieve-U.S. Std. No. 140 (0.106mm)	%	19	4	20	15	49	8	4	6	38	9	37	54	22
Sieve-U.S. Std. No. 200 (0.075mm)	%	17	3.6	17	14	42	6.1	3.8	4.4	33	6.7	33	47	17
Grain Size Classification														
Gravel	%	18	27	2	31	0	39	20	16	8	33	1	2	0
Sand	%	65	69.4	81	55	58	54.9	76.2	79.6	59	60.3	66	51	83
Fines	%	17	3.6	17	14	42	6.1	3.8	4.4	33	6.7	33	47	17
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	1.9	0.2	1.0	1.2	5.0	0.3	0.1	0.2	7.3	0.6	3.5	4.8	1.3
Hydrometer, Reading 2, Percent Passing	%	1.9	0.2	1.0	1.2	5.0	0.3	0.1	0.2	7.3	0.5	3.5	4.8	1.3
Hydrometer, Reading 3, Percent Passing	%	1.7	0.1	0.6	1.2	4.4	0.2	0.1	0.1	6.7	0.4	3.5	4.8	1.3
Hydrometer, Reading 4, Percent Passing	%	1.7	0.1	0.6	0.8	2.8	0.2	0	0.1	5.6	0.4	3.5	4.8	1.3
Hydrometer, Reading 5, Percent Passing	%	1.2	0.1	0.5	0.8	2.8	0.2	0	0.1	4.5	0.3	1.6	3.2	1.3
Hydrometer, Reading 6, Percent Passing	%	1.1	0.1	0.2	0.8	2.5	0.2	0	0.1	3.3	0.3	0.9	1.6	1.3
Hydrometer, Reading 7, Percent Passing	%	1.1	0.1	0.2	0.8	2.5	0	0	0	2.8	0	0.3	1.6	0.8
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	27.0 U	19.0 U	21.4 U	20.7 U	26.3 U	19.6 U	19.3 U	19.0 U	27.2 U	19.6 U	23.6 U	31.8 UJ	25.9 U
PCB-1221 (Aroclor 1221)	ug/kg	27.0 U	19.0 U	21.4 U	20.7 U	40.0 J	92.6	19.3 U	35.3 J	31.0 J	1050	361	56.3 J	1430
PCB-1232 (Aroclor 1232)	ug/kg	27.0 U	19.0 U	21.4 U	20.7 U	26.3 U	19.6 U	19.3 U	19.0 U	27.2 U	19.6 U	23.6 U	31.8 UJ	25.9 U
PCB-1242 (Aroclor 1242)	ug/kg	29.0 J	19.0 U	21.4 U	20.7 U	58.5 J	114	19.3 U	31.9 J	49.1 J	1130	382	84.4 J	1080
PCB-1248 (Aroclor 1248)	ug/kg	27.0 U	19.0 U	21.4 U	20.7 U	26.3 U	19.6 U	19.3 U	19.0 U	27.2 U	19.6 U	23.6 U	31.8 UJ	25.9 U
PCB-1254 (Aroclor 1254)	ug/kg	27.0 U	19.0 U	21.4 U	20.7 U	26.3 U	22.6 J	19.3 U	19.0 U	27.2 U	96.5	101	34.5 J	187
PCB-1260 (Aroclor 1260)	ug/kg	27.0 U	19.0 U	21.4 U	20.7 U	26.3 U	19.6 U	19.3 U	19.0 U	27.2 U	19.6 U	23.6 U	31.8 UJ	25.9 U
Total PCBs	ug/kg	29	ND	ND	ND	98.5	229	ND	67.2	80.1	2280	844	175	2700

Notes:
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U = Indicates the analyte was not detected greater than the laboratory reporting limit.
ug/kg = Micrograms per Kilogram
mg/kg = Milligrams per Kilogram
NA = Not Analyzed, ND = Non-detect
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-038	HR17-OU2-R8-039	HR17-OU2-R8-040	HR17-OU2-R8-041	HR17-OU2-R8-041	HR17-OU2-R8-042	HR17-OU2-R8-043	HR17-OU2-R8-044	HR17-OU2-R8-044	HR17-OU2-R8-045	HR17-OU2-R8-046	HR17-OU2-R8-047	HR17-OU2-R8-048	
Sample Name	HR17-OU2-R8-038	HR17-OU2-R8-039	HR17-OU2-R8-040	HR17-OU2-R8-041	HR17-OU2-R8-FD17	HR17-OU2-R8-042	HR17-OU2-R8-043	HR17-OU2-R8-044	HR17-OU2-R8-FD20	HR17-OU2-R8-045	HR17-OU2-R8-046	HR17-OU2-R8-047	HR17-OU2-R8-048	
Sample Date	7/22/2017	7/20/2017	7/22/2017	7/20/2017	7/20/2017	7/22/2017	7/20/2017	7/22/2017	7/22/2017	7/22/2017	7/20/2017	7/22/2017	7/21/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample														
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	12000	11700	6930	41700 J	39700 J	3270	22700	1170 J	1870 J	11300	23700 J	3190	2640
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	99	84	100	100	100	92	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	99	75	99	100	100	79	95	100	100	99	100	81	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	98	64	97	93	61	64	89	100	100	93	100	63	100
Sieve-U.S. Std. No. 10 (2mm)	%	95	60	92	59	37	57	77	99	99	81	100	48	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	91	55	85	55	34	53	66	88	91	70	97	35	96
Sieve-U.S. Std. No. 40 (0.425mm)	%	85	46	75	51	31	44	56	48	57	59	88	24	87
Sieve-U.S. Std. No. 60 (0.25mm)	%	68	36	57	49	18	29	42	10	16	45	70	12	66
Sieve-U.S. Std. No. 140 (0.106mm)	%	30	21	26	45	10	12	18	3	4	12	48	3	31
Sieve-U.S. Std. No. 200 (0.075mm)	%	24	18	22	43	4.8	8.6	15	2.2	3.4	9.0	43	2.1	20
Grain Size Classification														
Gravel	%	2	36	3	7	39	36	11	0	0	7	0	37	0
Sand	%	74	46	75	50	56.2	55.4	74	97.8	96.6	84	57	60.9	80
Fines	%	24	18	22	43	4.8	8.6	15	2.2	3.4	9.0	43	2.1	20
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	2.0	1.4	2.4	19.1	1.6	0.5	2.7	0.1	0.2	0.8	6.4	0	1.9
Hydrometer, Reading 2, Percent Passing	%	1.5	1.4	2.4	16.1	1.6	0.5	2.7	0.1	0.1	0.6	6.4	0	1.9
Hydrometer, Reading 3, Percent Passing	%	1.1	0.8	2.2	8.0	1.4	0.5	2.0	0.1	0.1	0.5	6.4	0	1.7
Hydrometer, Reading 4, Percent Passing	%	0.8	0.8	1.9	8.0	1.4	0.5	2.0	0.1	0.1	0.5	6.4	0	1.7
Hydrometer, Reading 5, Percent Passing	%	0.8	0.6	1.7	6.0	0.6	0.5	1.7	0.1	0.1	0.5	5.3	0	1.4
Hydrometer, Reading 6, Percent Passing	%	0.8	0.3	1.6	3.0	0.4	0.5	1.4	0	0.1	0.4	3.5	0	0.4
Hydrometer, Reading 7, Percent Passing	%	0.1	0.3	1.4	3.0	0.4	0.2	1.2	0	0	0.2	1.4	0	0.1
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	23.5 U	24.1 U	21.5 U	56.2 UJ	52.2 UJ	19.8 U	29.9 U	20.9 U	19.8 U	20.5 U	34.2 UJ	18.9 U	21.9 U
PCB-1221 (Aroclor 1221)	ug/kg	755	24.1 U	428	376 J	244 J	925	747	146	177	3240	41.0 J	72.4	121
PCB-1232 (Aroclor 1232)	ug/kg	23.5 U	24.1 U	21.5 U	56.2 UJ	52.2 UJ	19.8 U	29.9 U	20.9 U	19.8 U	20.5 U	34.2 UJ	18.9 U	21.9 U
PCB-1242 (Aroclor 1242)	ug/kg	623	24.1 U	369	457 J	328 J	726	918	90.9	115	3840	85.2 J	337	119
PCB-1248 (Aroclor 1248)	ug/kg	23.5 U	24.1 U	21.5 U	56.2 UJ	52.2 UJ	19.8 U	29.9 U	20.9 U	19.8 U	20.5 U	34.2 UJ	18.9 U	21.9 U
PCB-1254 (Aroclor 1254)	ug/kg	142	24.1 U	69.8	139 J	100 J	88.2	171	20.9 U	19.8 U	342	51.7 J	23.7 J	24.0 J
PCB-1260 (Aroclor 1260)	ug/kg	23.5 U	24.1 U	21.5 U	56.2 UJ	52.2 UJ	19.8 U	29.9 U	20.9 U	19.8 U	20.5 U	34.2 UJ	18.9 U	21.9 U
Total PCBs	ug/kg	1520	ND	867	972	672	1740	1840	237	292	7420	178	433	264

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-049	HR17-OU2-R8-050	HR17-OU2-R8-050	HR17-OU2-R8-051	HR17-OU2-R8-052	HR17-OU2-R8-053	HR17-OU2-R8-054	HR17-OU2-R8-055	HR17-OU2-R8-056	HR17-OU2-R8-057	HR17-OU2-R8-058	HR17-OU2-R8-059	HR17-OU2-R8-059	
Sample Name	HR17-OU2-R8-049	HR17-OU2-R8-050	HR17-OU2-R8-FD19	HR17-OU2-R8-051	HR17-OU2-R8-052	HR17-OU2-R8-053	HR17-OU2-R8-054	HR17-OU2-R8-055	HR17-OU2-R8-056	HR17-OU2-R8-057	HR17-OU2-R8-058	HR17-OU2-R8-059	HR17-OU2-R8-FD14	
Sample Date	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/20/2017	7/19/2017	7/19/2017	7/19/2017	7/19/2017	7/19/2017	7/19/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-1.5 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample			HR17-OU2-R8-050										HR17-OU2-R8-059	
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	2890	2460	2850 J	2390 J	16500	6070	16400	3410	2220	4560	1910	7300	6860
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	98	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	98	99	100	97	97	85	98	99	100	100	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	92	98	98	94	91	72	90	97	100	99	99	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	82	96	96	90	83	60	75	95	99	97	98	98	96
Sieve-U.S. Std. No. 20 (0.85mm)	%	67	91	90	82	80	46	64	91	98	92	97	97	95
Sieve-U.S. Std. No. 40 (0.425mm)	%	44	74	74	59	71	27	44	77	94	85	86	93	91
Sieve-U.S. Std. No. 60 (0.25mm)	%	21	51	50	28	55	17	12	55	80	78	47	80	80
Sieve-U.S. Std. No. 140 (0.106mm)	%	5	17	13	8	18	9	2	31	22	47	7	43	44
Sieve-U.S. Std. No. 200 (0.075mm)	%	3.9	12	6.0	5.8	7.8	7.4	1.1	27	17	41	4.9	34	35
Grain Size Classification														
Gravel	%	8	2	2	6	9	28	10	3	0	1	1	0	0
Sand	%	88.1	86	92	88.2	83.2	64.6	88.9	70	83	58	94.1	66	65
Fines	%	3.9	12	6.0	5.8	7.8	7.4	1.1	27	17	41	4.9	34	35
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.2	0.8	0.3	0.5	0.6	0.7	0.1	2.1	0.7	1.5	0.2	5.2	4.1
Hydrometer, Reading 2, Percent Passing	%	0.2	0.6	0.3	0.5	0.4	0.6	0.1	2.0	0.6	1.2	0.2	4.0	3.2
Hydrometer, Reading 3, Percent Passing	%	0.2	0.6	0.3	0.5	0.4	0.6	0.1	2.0	0.5	1.2	0.2	2.8	2.3
Hydrometer, Reading 4, Percent Passing	%	0.2	0.6	0.3	0.5	0.3	0.6	0.1	1.8	0.5	1.2	0.1	2.6	2.0
Hydrometer, Reading 5, Percent Passing	%	0.2	0.3	0.3	0.5	0.3	0.5	0.1	1.6	0.3	0.5	0.1	2.1	1.7
Hydrometer, Reading 6, Percent Passing	%	0.2	0.3	0.2	0.3	0.3	0.3	0.1	1.1	0.1	0.2	0	1.4	0.2
Hydrometer, Reading 7, Percent Passing	%	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.8	0.1	0.2	0	0.7	0.2
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	19.9 U	19.1 U	19.4 U	20.8 U	20.8 U	21.9 U	19.6 U	21.2 U	21.2 U	24.1 U	20.0 U	21.6 U	22.2 U
PCB-1221 (Aroclor 1221)	ug/kg	19.9 U	52.5 J	89.8	183	90.5	632	1980	21.2 U	21.2 U	1870	20.0 U	34.7 J	114 J
PCB-1232 (Aroclor 1232)	ug/kg	19.9 U	19.1 U	19.4 U	20.8 U	20.8 U	21.9 U	19.6 U	21.2 U	21.2 U	24.1 U	20.0 U	21.6 U	22.2 U
PCB-1242 (Aroclor 1242)	ug/kg	19.9 U	123 J	198 J	200	684	738	3670	21.2 U	21.2 U	4140	20.7 J	31.2 J	75.8 J
PCB-1248 (Aroclor 1248)	ug/kg	19.9 U	19.1 U	19.4 U	20.8 U	20.8 U	21.9 U	19.6 U	21.2 U	21.2 U	24.1 U	20.0 U	21.6 U	22.2 U
PCB-1254 (Aroclor 1254)	ug/kg	19.9 U	68.4 J	116 J	20.8 U	869	68.5 J	181	21.2 U	21.2 U	243	24.3 J	21.6 U	22.2 U
PCB-1260 (Aroclor 1260)	ug/kg	19.9 U	19.1 U	19.4 U	20.8 U	20.8 U	21.9 U	19.6 U	21.2 U	21.2 U	24.1 U	20.0 U	21.6 U	22.2 U
Total PCBs	ug/kg	ND	244	404	383	1640	1440	5830	ND	ND	6250	45	65.9	190

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-060	HR17-OU2-R8-061	HR17-OU2-R8-063	HR17-OU2-R8-065	HR17-OU2-R8-067	HR17-OU2-R8-069	HR17-OU2-R8-070	HR17-OU2-R8-071	HR17-OU2-R8-072	HR17-OU2-R8-073	HR17-OU2-R8-074	HR17-OU2-R8-075	HR17-OU2-R8-076	
Sample Name	HR17-OU2-R8-060	HR17-OU2-R8-061	HR17-OU2-R8-063	HR17-OU2-R8-065	HR17-OU2-R8-067	HR17-OU2-R8-069	HR17-OU2-R8-070	HR17-OU2-R8-071	HR17-OU2-R8-072	HR17-OU2-R8-073	HR17-OU2-R8-074	HR17-OU2-R8-075	HR17-OU2-R8-076	
Sample Date	7/19/2017	7/19/2017	7/19/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-1.5 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample														
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	719	6830	4620	6600	10800	15800	10800	16400	3960	10000 J	4940 J	6470	9750
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	98	97	100	99	100	96	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	93	97	53	92	100	76	99	100	100	99	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	89	93	39	86	100	61	98	100	100	98	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	98	85	82	37	76	96	49	95	99	99	96	99	90
Sieve-U.S. Std. No. 20 (0.85mm)	%	89	79	77	35	66	94	43	92	95	97	87	98	90
Sieve-U.S. Std. No. 40 (0.425mm)	%	65	71	59	34	55	92	38	86	79	91	71	95	88
Sieve-U.S. Std. No. 60 (0.25mm)	%	37	58	39	31	41	90	29	77	53	73	49	90	83
Sieve-U.S. Std. No. 140 (0.106mm)	%	7	25	24	26	13	70	8	50	8	37	8	89	31
Sieve-U.S. Std. No. 200 (0.075mm)	%	4.2	18	22	24	7.5	60	6.4	48	5.5	25	5.5	73	28
Grain Size Classification														
Gravel	%	1	11	7	61	14	0	39	2	0	0	2	0	0
Sand	%	94.8	71	71	15	78.5	40	54.6	50	94.5	75	92.5	27	72
Fines	%	4.2	18	22	24	7.5	60	6.4	48	5.5	25	5.5	73	28
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.2	2.4	1.7	15.9	0.7	19.4	0.6	13.4	0.3	3.1	0.4	21.0	5.2
Hydrometer, Reading 2, Percent Passing	%	0.1	2.1	1.5	15.9	0.6	17.8	0.6	10.9	0.3	2.7	0.4	13.2	5.2
Hydrometer, Reading 3, Percent Passing	%	0.1	2.0	1.2	14.9	0.6	11.5	0.6	8.5	0.3	2.3	0.4	13.2	3.9
Hydrometer, Reading 4, Percent Passing	%	0.1	1.8	0.8	13.8	0.5	10.3	0.5	6.0	0.2	2.3	0.3	12.2	3.5
Hydrometer, Reading 5, Percent Passing	%	0.1	1.7	0.4	12.6	0.5	9.1	0.5	6.0	0.2	2.3	0.3	10.7	3.1
Hydrometer, Reading 6, Percent Passing	%	0	1.2	0.1	8.4	0.3	5.9	0.2	3.6	0.2	1.6	0.2	7.3	2.3
Hydrometer, Reading 7, Percent Passing	%	0	0.9	0.1	6.2	0.3	4.3	0.2	2.0	0.1	1.1	0.1	6.8	2.1
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	18.8 U	21.3 U	21.8 U	27.1 U	21.1 U	26.1 U	20.4 U	28.9 U	21.8 U	22.7 U	21.1 U	26.5 U	23.2 U
PCB-1221 (Aroclor 1221)	ug/kg	18.8 U	76.4	21.8 U	128	973	73.2 J	6230	51.7 J	60.6 J	142	218	26.5 U	23.2 U
PCB-1232 (Aroclor 1232)	ug/kg	18.8 U	21.3 U	21.8 U	27.1 U	21.1 U	26.1 U	20.4 U	28.9 U	21.8 U	22.7 U	21.1 U	26.5 U	23.2 U
PCB-1242 (Aroclor 1242)	ug/kg	18.8 U	102	21.8 U	175	1410	124	6170	110	78.6	174	194	26.5 U	23.2 U
PCB-1248 (Aroclor 1248)	ug/kg	18.8 U	21.3 U	21.8 U	27.1 U	21.1 U	26.1 U	20.4 U	28.9 U	21.8 U	22.7 U	21.1 U	26.5 U	23.2 U
PCB-1254 (Aroclor 1254)	ug/kg	18.8 U	21.3 U	21.8 U	27.1 U	85.8	26.1 U	362	165	22.9 J	79.0	31.9 J	26.5 U	23.2 U
PCB-1260 (Aroclor 1260)	ug/kg	18.8 U	21.3 U	21.8 U	27.1 U	21.1 U	26.1 U	20.4 U	28.9 U	21.8 U	22.7 U	21.1 U	26.5 U	23.2 U
Total PCBs	ug/kg	ND	178	ND	303	2470	197	12800	327	162	395	444	ND	ND

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-076	HR17-OU2-R8-077	HR17-OU2-R8-078	HR17-OU2-R8-079	HR17-OU2-R8-080	HR17-OU2-R8-081	HR17-OU2-R8-082	HR17-OU2-R8-083	HR17-OU2-R8-084	HR17-OU2-R8-085	HR17-OU2-R8-086	HR17-OU2-R8-087	HR17-OU2-R8-088	
Sample Name	HR17-OU2-R8-FD13	HR17-OU2-R8-077	HR17-OU2-R8-078	HR17-OU2-R8-079	HR17-OU2-R8-080	HR17-OU2-R8-081	HR17-OU2-R8-082	HR17-OU2-R8-083	HR17-OU2-R8-084	HR17-OU2-R8-085	HR17-OU2-R8-086	HR17-OU2-R8-087	HR17-OU2-R8-088	
Sample Date	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample	HR17-OU2-R8-076													
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	10100	1960	8970 J	4450	9500	6680	7310	25400	4220	30400	21800	4320	11100
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	98	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	99	100	90	100	100	88	100	100	100	100	98	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	87	100	82	97	100	76	100	100	100	95	77	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	72	100	74	94	100	65	95	100	98	70	65	99
Sieve-U.S. Std. No. 10 (2mm)	%	83	56	100	64	92	99	55	89	99	96	54	52	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	82	43	99	54	89	99	48	86	99	95	49	41	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	80	31	98	47	82	97	38	78	99	93	43	30	97
Sieve-U.S. Std. No. 60 (0.25mm)	%	77	16	94	35	67	93	18	66	80	86	40	20	95
Sieve-U.S. Std. No. 140 (0.106mm)	%	33	1	41	22	21	41	6	31	34	63	36	7	80
Sieve-U.S. Std. No. 200 (0.075mm)	%	26	0.1	33	19	18	28	5.3	21	28	60	35	4.4	65
Grain Size Classification														
Gravel	%	0	28	0	26	6	0	35	5	0	2	30	35	1
Sand	%	74	71.9	67	55	76	72	59.7	74	72	38	35	60.6	34
Fines	%	26	0.1	33	19	18	28	5.3	21	28	60	35	4.4	65
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	5.1	0	7.1	2.5	3.8	4.3	0.5	2.3	2.6	25.0	13.4	0.3	26.4
Hydrometer, Reading 2, Percent Passing	%	5.1	0	5.3	2.3	2.4	3.3	0.4	1.9	2.6	23.1	12.3	0.3	20.6
Hydrometer, Reading 3, Percent Passing	%	3.7	0	4.5	2.1	2.2	3.0	0.4	1.9	2.2	17.2	10.6	0.3	17.1
Hydrometer, Reading 4, Percent Passing	%	2.8	0	3.4	1.9	1.9	2.7	0.4	1.9	2.2	15.3	10.0	0.3	15.9
Hydrometer, Reading 5, Percent Passing	%	2.8	0	3.1	1.7	1.9	2.4	0.4	1.9	1.9	13.3	8.3	0.3	13.6
Hydrometer, Reading 6, Percent Passing	%	1.5	0	1.6	1.3	1.5	1.9	0.3	1.5	1.6	9.4	6.1	0.1	10.1
Hydrometer, Reading 7, Percent Passing	%	1.1	0	1.6	1.1	1.2	1.5	0.2	1.5	1.6	6.5	4.4	0.1	7.8
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	22.6 U	18.7 U	21.3 U	20.7 U	23.9 U	22.8 U	20.2 U	25.6 U	21.7 U	28.2 U	29.4 U	19.2 U	25.6 U
PCB-1221 (Aroclor 1221)	ug/kg	22.6 U	108	21.3 U	957	1010	22.8 U	1020	1590	21.7 U	3000 J	271	55.6 J	25.6 U
PCB-1232 (Aroclor 1232)	ug/kg	22.6 U	18.7 U	21.3 U	20.7 U	23.9 U	22.8 U	20.2 U	25.6 U	21.7 U	28.2 U	29.4 U	19.2 U	25.6 U
PCB-1242 (Aroclor 1242)	ug/kg	22.6 U	125	21.3 U	1080	1100	22.8 U	1110	1350	21.7 U	2540 J	370	72.5	25.6 U
PCB-1248 (Aroclor 1248)	ug/kg	22.6 U	18.7 U	21.3 U	20.7 U	23.9 U	22.8 U	20.2 U	25.6 U	21.7 U	28.2 U	29.4 U	19.2 U	25.6 U
PCB-1254 (Aroclor 1254)	ug/kg	22.6 U	18.7 U	21.3 U	113	163	22.8 U	90.5	279	21.7 U	456 J	29.4 U	28.1 J	25.6 U
PCB-1260 (Aroclor 1260)	ug/kg	22.6 U	18.7 U	21.3 U	20.7 U	23.9 U	22.8 U	20.2 U	25.6 U	21.7 U	28.2 U	29.4 U	19.2 U	25.6 U
Total PCBs	ug/kg	ND	233	ND	2150	2270	ND	2220	3220	ND	6000	641	156	ND

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-088	HR17-OU2-R8-089	HR17-OU2-R8-090	HR17-OU2-R8-091	HR17-OU2-R8-092	HR17-OU2-R8-093	HR17-OU2-R8-093	HR17-OU2-R8-094	HR17-OU2-R8-095	HR17-OU2-R8-096	HR17-OU2-R8-097	HR17-OU2-R8-098	HR17-OU2-R8-099	
Sample Name	HR17-OU2-R8-FD12	HR17-OU2-R8-089	HR17-OU2-R8-090	HR17-OU2-R8-091	HR17-OU2-R8-092	HR17-OU2-R8-093	HR17-OU2-R8-FD11	HR17-OU2-R8-094	HR17-OU2-R8-095	HR17-OU2-R8-096	HR17-OU2-R8-097	HR17-OU2-R8-098	HR17-OU2-R8-099	
Sample Date	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/15/2017	7/15/2017	7/15/2017	7/15/2017	7/15/2017	7/15/2017	7/15/2017	7/15/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample	HR17-OU2-R8-088						HR17-OU2-R8-093							
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	15500	2970	20600	1440	3900 J	1490 J	841 J	1950	2600	2790	695	22300	6070
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	96	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	98	98	100	100	100	96	100	93	100	95
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	99	100	91	92	100	100	79	84	99	72	98	75
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	99	97	76	85	99	100	55	67	99	56	95	59
Sieve-U.S. Std. No. 10 (2mm)	%	99	98	93	57	76	98	98	38	51	96	42	90	43
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	90	89	40	58	88	86	29	40	82	31	77	33
Sieve-U.S. Std. No. 40 (0.425mm)	%	97	52	86	27	32	42	40	22	31	39	22	60	22
Sieve-U.S. Std. No. 60 (0.25mm)	%	95	12	77	15	10	13	10	15	16	7	12	35	10
Sieve-U.S. Std. No. 140 (0.106mm)	%	78	4	39	2	3	5	4	5	6	3	3	15	3
Sieve-U.S. Std. No. 200 (0.075mm)	%	63	3.4	29	1.0	3.2	4.5	3.8	3.9	5.9	2.8	2.6	12	2.4
Grain Size Classification														
Gravel	%	1	1	3	24	15	1	0	45	33	1	44	5	41
Sand	%	36	95.6	68	75	81.8	94.5	96.2	51.1	61.1	96.2	53.4	83	56.6
Fines	%	63	3.4	29	1.0	3.2	4.5	3.8	3.9	5.9	2.8	2.6	12	2.4
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	16.9	0.2	3.4	0	0.2	0.2	0.1	0.2	0.4	0.2	0	2.1	0.1
Hydrometer, Reading 2, Percent Passing	%	15.7	0.2	2.9	0	0.2	0.2	0.1	0.2	0.4	0.2	0	2.1	0.1
Hydrometer, Reading 3, Percent Passing	%	13.4	0.1	2.9	0	0.2	0.2	0.1	0.2	0.4	0.2	0	2.1	0
Hydrometer, Reading 4, Percent Passing	%	12.3	0.1	2.9	0	0.1	0.2	0.1	0.2	0.4	0.2	0	1.8	0
Hydrometer, Reading 5, Percent Passing	%	11.1	0.1	2.5	0	0.1	0.2	0.1	0.2	0.4	0.2	0	1.8	0
Hydrometer, Reading 6, Percent Passing	%	8.8	0.1	1.6	0	0.1	0	0	0.1	0.3	0.2	0	1.6	0
Hydrometer, Reading 7, Percent Passing	%	5.4	0.1	0.7	0	0.1	0	0	0.1	0.3	0.2	0	1.4	0
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	25.4 U	20.5 U	29.4 U	18.2 U	20.1 U	19.3 U	19.4 U	18.3 U	19.3 U	19.9 U	17.8 U	27.2 U	21.2 U
PCB-1221 (Aroclor 1221)	ug/kg	25.4 U	1880	254	43.6 J	883	34.3 J	51.4 J	52.5 J	533	170	96.5	496	520
PCB-1232 (Aroclor 1232)	ug/kg	25.4 U	20.5 U	29.4 U	18.2 U	20.1 U	19.3 U	19.4 U	18.3 U	19.3 U	19.9 U	17.8 U	27.2 U	21.2 U
PCB-1242 (Aroclor 1242)	ug/kg	25.4 U	3190	399	83.7	1490 J	70.2	78.4	88.7	1420	186	98.1	554	2090
PCB-1248 (Aroclor 1248)	ug/kg	25.4 U	20.5 U	29.4 U	18.2 U	20.1 U	19.3 U	19.4 U	18.3 U	19.3 U	19.9 U	17.8 U	27.2 U	21.2 U
PCB-1254 (Aroclor 1254)	ug/kg	25.4 U	233	165	18.2 U	103	19.3 U	19.4 U	61.4	84.3	19.9 U	17.8 U	59.0 J	645
PCB-1260 (Aroclor 1260)	ug/kg	25.4 U	20.5 U	29.4 U	18.2 U	20.1 U	19.3 U	19.4 U	18.3 U	19.3 U	19.9 U	17.8 U	27.2 U	21.2 U
Total PCBs	ug/kg	ND	5300	818	127	2480	105	130	203	2040	356	195	1110	3260

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-100	HR17-OU2-R8-100	HR17-OU2-R8-101	HR17-OU2-R8-102	HR17-OU2-R8-103	HR17-OU2-R8-104	HR17-OU2-R8-105	HR17-OU2-R8-106	HR17-OU2-R8-106	HR17-OU2-R8-107	HR17-OU2-R8-108	HR17-OU2-R8-109	HR17-OU2-R8-110	
Sample Name	HR17-OU2-R8-100	HR17-OU2-R8-FD10	HR17-OU2-R8-101	HR17-OU2-R8-102	HR17-OU2-R8-103	HR17-OU2-R8-104	HR17-OU2-R8-105	HR17-OU2-R8-106	HR17-OU2-R8-FD09	HR17-OU2-R8-107	HR17-OU2-R8-108	HR17-OU2-R8-109	HR17-OU2-R8-110	
Sample Date	7/15/2017	7/15/2017	7/15/2017	7/15/2017	7/15/2017	7/15/2017	7/15/2017	7/14/2017	7/14/2017	7/14/2017	7/14/2017	7/14/2017	7/14/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample		HR17-OU2-R8-100							HR17-OU2-R8-106					
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	22500	26300	955	5880	10500	1680 J	4420	12200 J	6920 J	2550	1860 J	1070	983
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	90	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	90	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	85	95	100	100	97	100	96	91
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	99	100	82	72	100	100	90	100	85	77
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	99	95	98	76	57	100	100	84	98	71	59
Sieve-U.S. Std. No. 10 (2mm)	%	100	99	93	89	97	72	41	100	99	74	95	52	43
Sieve-U.S. Std. No. 20 (0.85mm)	%	94	90	86	81	95	65	25	98	97	58	87	33	32
Sieve-U.S. Std. No. 40 (0.425mm)	%	81	73	68	69	86	54	11	90	87	45	70	20	21
Sieve-U.S. Std. No. 60 (0.25mm)	%	66	57	29	49	66	37	3	62	54	28	48	9	11
Sieve-U.S. Std. No. 140 (0.106mm)	%	29	23	4	20	22	10	1	28	14	10	9	2	4
Sieve-U.S. Std. No. 200 (0.075mm)	%	21	18	3.5	15	16	7.9	0.8	26	11	7.7	7.1	1.3	3.3
Grain Size Classification														
Gravel	%	0	0	1	5	2	24	43	0	0	16	2	29	41
Sand	%	79	82	95.5	80	82	68.1	56.2	74	89	76.3	90.9	69.7	55.7
Fines	%	21	18	3.5	15	16	7.9	0.8	26	11	7.7	7.1	1.3	3.3
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	2.2	2.7	0	0.2	1.4	0	0	2.8	0.3	0.8	0.3	0.1	0.2
Hydrometer, Reading 2, Percent Passing	%	1.8	2.7	0	0	1.4	0	0	2.4	0	0.8	0.3	0	0.2
Hydrometer, Reading 3, Percent Passing	%	1.3	2.7	0	0	1.4	0	0	2.4	0	0.8	0.3	0	0.2
Hydrometer, Reading 4, Percent Passing	%	1.3	2.7	0	0	1.1	0	0	2.4	0	0.8	0.3	0	0.1
Hydrometer, Reading 5, Percent Passing	%	1.3	2.7	0	0	1.1	0	0	2.4	0	0.6	0.3	0	0.1
Hydrometer, Reading 6, Percent Passing	%	0.5	2.1	0	0	0.6	0	0	2.1	0	0.4	0.1	0	0.1
Hydrometer, Reading 7, Percent Passing	%	0.5	2.1	0	0	0.6	0	0	2.1	0	0.2	0.1	0	0.1
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	30.2 U	30.9 U	20.1 U	21.3 U	23.9 U	20.9 U	19.6 U	25.8 U	22.9 U	19.0 U	18.2 U	18.5 U	18.9 U
PCB-1221 (Aroclor 1221)	ug/kg	222	181	965	67.7	110	71.3	1180	180	180	172	18.2 U	18.5 U	969
PCB-1232 (Aroclor 1232)	ug/kg	30.2 U	30.9 U	20.1 U	21.3 U	23.9 U	20.9 U	19.6 U	25.8 U	22.9 U	19.0 U	18.2 U	18.5 U	18.9 U
PCB-1242 (Aroclor 1242)	ug/kg	503	402	1670	283	375	65.6 J	2740	241	235	209	32.9 J	18.5 U	1060
PCB-1248 (Aroclor 1248)	ug/kg	30.2 U	30.9 U	20.1 U	21.3 U	23.9 U	20.9 U	19.6 U	25.8 U	22.9 U	19.0 U	18.2 U	18.5 U	18.9 U
PCB-1254 (Aroclor 1254)	ug/kg	250	279	180	321	274	20.9 U	187	47.7 J	92.8 J	19.0 U	18.2 U	18.5 U	88.2
PCB-1260 (Aroclor 1260)	ug/kg	30.2 U	30.9 U	20.1 U	21.3 U	23.9 U	20.9 U	19.6 U	25.8 U	22.9 U	19.0 U	18.2 U	18.5 U	18.9 U
Total PCBs	ug/kg	975	862	2820	672	759	137	4110	469	508	381	32.9	ND	2120

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-111	HR17-OU2-R8-112	HR17-OU2-R8-113	HR17-OU2-R8-113	HR17-OU2-R8-114	HR17-OU2-R8-115	HR17-OU2-R8-116	HR17-OU2-R8-117	HR17-OU2-R8-118	HR17-OU2-R8-119	HR17-OU2-R8-120	HR17-OU2-R8-121	HR17-OU2-R8-122	
Sample Name	HR17-OU2-R8-111	HR17-OU2-R8-112	HR17-OU2-R8-113	HR17-OU2-R8-FD08	HR17-OU2-R8-114	HR17-OU2-R8-115	HR17-OU2-R8-116	HR17-OU2-R8-117	HR17-OU2-R8-118	HR17-OU2-R8-119	HR17-OU2-R8-120	HR17-OU2-R8-121	HR17-OU2-R8-122	
Sample Date	7/14/2017	7/14/2017	7/14/2017	7/14/2017	7/14/2017	7/14/2017	7/14/2017	7/14/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample	HR17-OU2-R8-113													
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	959	1940	3920	3740	1530	1570	9050 J	792	13200	3140	40100 J	1100	3300
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	88	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	98	85	95	98	100	96	100	99	100	100	100	98
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	83	82	84	93	100	90	93	91	92	100	94	91
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	67	76	80	82	100	83	90	81	84	99	79	82
Sieve-U.S. Std. No. 10 (2mm)	%	97	53	73	76	68	99	78	80	68	77	96	58	64
Sieve-U.S. Std. No. 20 (0.85mm)	%	90	41	69	71	41	95	73	64	44	71	93	37	35
Sieve-U.S. Std. No. 40 (0.425mm)	%	58	29	58	58	14	69	59	42	23	62	90	27	20
Sieve-U.S. Std. No. 60 (0.25mm)	%	16	13	42	40	7	23	36	19	8	46	85	13	14
Sieve-U.S. Std. No. 140 (0.106mm)	%	3	3	22	20	4	5	11	5	3	16	42	2	9
Sieve-U.S. Std. No. 200 (0.075mm)	%	3.4	2.6	20	15	3.6	4.2	8.6	5.0	2.6	9.1	31	1.9	6.6
Grain Size Classification														
Gravel	%	1	33	24	20	18	0	17	10	19	16	1	21	18
Sand	%	95.6	64.4	56	65	78.4	95.8	74.4	85	78.4	74.9	68	77.1	75.4
Fines	%	3.4	2.6	20	15	3.6	4.2	8.6	5.0	2.6	9.1	31	1.9	6.6
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.1	0.1	1.8	1.2	0.1	0.6	0.4	0.1	0.1	0.7	5.0	0.1	0.6
Hydrometer, Reading 2, Percent Passing	%	0.1	0.1	1.2	0.7	0.1	0.6	0.4	0.1	0.1	0.6	5.0	0.1	0.6
Hydrometer, Reading 3, Percent Passing	%	0.1	0.1	0.6	0.7	0.1	0.5	0.2	0.1	0.1	0.6	4.2	0.1	0.3
Hydrometer, Reading 4, Percent Passing	%	0.1	0.1	0.6	0.7	0.1	0.5	0.2	0.1	0.1	0.6	3.8	0.1	0.3
Hydrometer, Reading 5, Percent Passing	%	0.1	0.1	0.6	0.5	0.1	0.4	0.2	0.1	0.1	0.4	3.1	0.1	0.2
Hydrometer, Reading 6, Percent Passing	%	0	0	0.4	0.5	0	0.4	0.1	0.1	0.1	0.3	2.0	0	0.1
Hydrometer, Reading 7, Percent Passing	%	0	0	0.4	0.5	0	0.2	0.1	0.1	0.1	0.3	1.6	0	0.1
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	19.4 U	19.7 U	19.8 U	19.9 U	19.8 U	20.1 U	21.2 U	19.6 U	19.6 U	20.6 U	45.1 UJ	19.5 U	21.2 U
PCB-1221 (Aroclor 1221)	ug/kg	535	1270	22.7 J	34.5 J	132	580	571	926	538	20.6 U	753 J	539	21.2 U
PCB-1232 (Aroclor 1232)	ug/kg	19.4 U	19.7 U	19.8 U	19.9 U	19.8 U	20.1 U	21.2 U	19.6 U	19.6 U	20.6 U	45.1 UJ	19.5 U	21.2 U
PCB-1242 (Aroclor 1242)	ug/kg	753	1810	34.9 J	34.2 J	344	683	489	1400 J	952	21.6 J	905 J	823	21.2 U
PCB-1248 (Aroclor 1248)	ug/kg	19.4 U	19.7 U	19.8 U	19.9 U	19.8 U	20.1 U	21.2 U	19.6 U	19.6 U	20.6 U	45.1 UJ	19.5 U	21.2 U
PCB-1254 (Aroclor 1254)	ug/kg	33.2 J	94.5	19.8 U	19.9 U	45.4 J	57.3 J	62.6 J	88.8	71.5	20.6 U	191 J	37.5 J	21.2 U
PCB-1260 (Aroclor 1260)	ug/kg	19.4 U	19.7 U	19.8 U	19.9 U	19.8 U	20.1 U	21.2 U	19.6 U	19.6 U	20.6 U	45.1 UJ	19.5 U	21.2 U
Total PCBs	ug/kg	1320	3170	57.6	68.7	521	1320	1120	2410	1560	21.6	1850	1400	ND

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-123	HR17-OU2-R8-124	HR17-OU2-R8-125	HR17-OU2-R8-126	HR17-OU2-R8-127	HR17-OU2-R8-128	HR17-OU2-R8-129	HR17-OU2-R8-130	HR17-OU2-R8-131	HR17-OU2-R8-132	HR17-OU2-R8-132	HR17-OU2-R8-133	HR17-OU2-R8-134	
Sample Name	HR17-OU2-R8-123	HR17-OU2-R8-124	HR17-OU2-R8-125	HR17-OU2-R8-126	HR17-OU2-R8-127	HR17-OU2-R8-128	HR17-OU2-R8-129	HR17-OU2-R8-130	HR17-OU2-R8-131	HR17-OU2-R8-132	HR17-OU2-R8-FD07	HR17-OU2-R8-133	HR17-OU2-R8-134	
Sample Date	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/13/2017	7/12/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample											HR17-OU2-R8-132			
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	1970	13600	1970	12200 J	5220	5500	4450	17000	12200 J	9180 J	5160 J	12600	33000 J
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	90	100	100	96	100	96	95	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	98	88	100	100	96	100	96	95	91	100	99	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	97	84	100	100	85	100	83	91	86	70	73	96	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	91	79	99	99	71	100	72	80	77	46	50	84	95
Sieve-U.S. Std. No. 10 (2mm)	%	63	70	84	95	47	99	49	61	52	34	38	76	84
Sieve-U.S. Std. No. 20 (0.85mm)	%	30	57	36	86	24	96	24	37	29	24	27	72	77
Sieve-U.S. Std. No. 40 (0.425mm)	%	15	42	13	63	13	76	13	24	20	15	16	67	52
Sieve-U.S. Std. No. 60 (0.25mm)	%	6	29	7	40	8	42	7	18	16	10	10	54	40
Sieve-U.S. Std. No. 140 (0.106mm)	%	4	15	3	25	4	14	3	10	11	4	4	18	24
Sieve-U.S. Std. No. 200 (0.075mm)	%	3.5	11	3.1	22	3.8	11	2.5	7.1	9.6	3.2	3.7	13	20
Grain Size Classification														
Gravel	%	9	21	1	1	29	0	28	20	23	54	50	16	5
Sand	%	87.5	68	95.9	77	67.2	89	69.5	72.9	67.4	42.8	46.3	71	75
Fines	%	3.5	11	3.1	22	3.8	11	2.5	7.1	9.6	3.2	3.7	13	20
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.2	0.7	0.2	3.1	0.2	0.5	0.1	0.4	1.0	0.3	0.2	0.8	4.1
Hydrometer, Reading 2, Percent Passing	%	0.2	0.7	0.2	3.1	0.2	0.5	0.1	0.4	0.8	0.2	0.2	0.8	3.6
Hydrometer, Reading 3, Percent Passing	%	0.1	0.7	0.2	2.2	0.2	0.5	0.1	0.4	0.8	0.2	0.2	0.8	3.3
Hydrometer, Reading 4, Percent Passing	%	0.1	0.7	0.2	1.9	0.2	0.4	0.1	0.4	0.8	0.2	0.2	0.8	2.5
Hydrometer, Reading 5, Percent Passing	%	0.1	0.7	0.2	1.9	0.1	0.4	0.1	0.4	0.5	0.2	0.2	0.5	1.8
Hydrometer, Reading 6, Percent Passing	%	0.1	0.3	0.1	1.0	0.1	0.3	0.1	0.2	0.4	0.1	0.1	0.3	1.1
Hydrometer, Reading 7, Percent Passing	%	0.1	0.3	0.1	0.7	0.1	0.3	0.1	0.2	0.2	0.1	0.1	0.3	0.8
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	19.7 U	23.3 U	19.1 U	23.5 U	17.6 U	21.2 U	18.8 U	21.6 U	21.0 U	20.0 U	19.9 U	22.9 U	39.0 UJ
PCB-1221 (Aroclor 1221)	ug/kg	64.8	23.3 U	878	23.5 U	17.6 U	21.2 U	38.8 J	128	21.0 U	71.0 J	111 J	1680	165 J
PCB-1232 (Aroclor 1232)	ug/kg	19.7 U	23.3 U	19.1 U	23.5 U	17.6 U	21.2 U	18.8 U	21.6 U	21.0 U	20.0 U	19.9 U	22.9 U	39.0 UJ
PCB-1242 (Aroclor 1242)	ug/kg	167	47.2 J	1230	23.5 U	37.6 J	21.2 U	61.4	130	32.5 J	127 J	197 J	1570	204 J
PCB-1248 (Aroclor 1248)	ug/kg	19.7 U	23.3 U	19.1 U	23.5 U	17.6 U	21.2 U	18.8 U	21.6 U	21.0 U	20.0 U	19.9 U	22.9 U	39.0 UJ
PCB-1254 (Aroclor 1254)	ug/kg	26.9 J	23.3 U	54.3 J	23.5 U	17.6 U	21.2 U	18.8 U	22.0 J	21.0 U	20.0 U	21.7 J	195	64.8 J
PCB-1260 (Aroclor 1260)	ug/kg	19.7 U	23.3 U	19.1 U	23.5 U	17.6 U	21.2 U	18.8 U	21.6 U	21.0 U	20.0 U	19.9 U	22.9 U	39.0 UJ
Total PCBs	ug/kg	259	47.2	2160	ND	37.6	ND	100	280	32.5	198	330	3450	434

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	Sample Name	Sample Date	Sample Depth Interval	Parent Sample	HR17-OU2-R8-135	HR17-OU2-R8-136	HR17-OU2-R8-137	HR17-OU2-R8-138	HR17-OU2-R8-139	HR17-OU2-R8-140	HR17-OU2-R8-141	HR17-OU2-R8-142	HR17-OU2-R8-143	HR17-OU2-R8-144	HR17-OU2-R8-145	HR17-OU2-R8-145	HR17-OU2-R8-146
Analyte	Unit																
Total Organic Carbon (LLOYD KAHN)																	
Total Organic Carbon	mg/kg	19200	7850	25900	2540	16000	12400 J	9590	8620	3620	1890 J	36400 J	22500 J	2150			
Grain Size (D422)																	
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	93	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	99	100	100	86	100	99	93	89	92	90	75	91	99	84
Sieve-US Std. 0.375-inch (9.5 mm)	%	96	100	98	100	100	71	100	92	74	86	56	86	56	86	94	66
Sieve-U.S. Std. No. 4 (4.75mm)	%	93	100	96	96	99	56	99	74	86	56	86	56	86	94	66	
Sieve-U.S. Std. No. 10 (2mm)	%	91	99	84	79	98	37	99	43	75	40	76	83	36			
Sieve-U.S. Std. No. 20 (0.85mm)	%	81	96	67	60	92	19	93	21	61	26	64	73	19			
Sieve-U.S. Std. No. 40 (0.425mm)	%	74	75	47	49	71	12	70	10	43	15	58	66	9			
Sieve-U.S. Std. No. 60 (0.25mm)	%	69	45	32	35	42	7	37	5	26	7	53	61	5			
Sieve-U.S. Std. No. 140 (0.106mm)	%	61	18	7	11	17	2	11	2	8	2	30	37	2			
Sieve-U.S. Std. No. 200 (0.075mm)	%	58	12	4.8	8.1	12	1.3	6.2	2.1	5.4	2.1	21	26	1.5			
Grain Size Classification																	
Gravel	%	7	0	4	4	1	44	1	26	14	44	14	6	34			
Sand	%	35	88	91.2	87.9	87	54.7	92.8	71.9	80.6	53.9	65	68	64.5			
Fines	%	58	12	4.8	8.1	12	1.3	6.2	2.1	5.4	2.1	21	26	1.5			
Hydrometer Readings (D422)																	
Hydrometer, Reading 1, Percent Passing	%	6.5	0.8	0.2	0.6	0.8	0.1	0.2	0.1	0.4	0.1	2.6	3.1	0.1			
Hydrometer, Reading 2, Percent Passing	%	5.6	0.6	0.2	0.6	0.8	0.1	0.2	0.1	0.3	0.1	2.2	2.9	0.1			
Hydrometer, Reading 3, Percent Passing	%	4.6	0.5	0.2	0.5	0.7	0.1	0.2	0.1	0.3	0.1	2.2	2.7	0.1			
Hydrometer, Reading 4, Percent Passing	%	4.0	0.5	0.2	0.4	0.7	0	0.2	0.1	0.3	0.1	1.9	2.0	0			
Hydrometer, Reading 5, Percent Passing	%	3.3	0.3	0.2	0.3	0.6	0	0.1	0.1	0.2	0.1	1.5	1.6	0			
Hydrometer, Reading 6, Percent Passing	%	1.4	0.2	0.1	0.3	0.3	0	0	0	0.2	0.1	0.4	0.9	0			
Hydrometer, Reading 7, Percent Passing	%	1.4	0.2	0.1	0.2	0.2	0	0	0	0.1	0	0.4	0.5	0			
PCBs (SW8082A)																	
PCB-1016 (Aroclor 1016)	ug/kg	29.2 U	21.5 U	20.6 U	21.4 U	21.8 U	17.9 U	22.7 U	18.6 U	20.4 U	19.5 U	29.7 U	29.2 U	18.4 U			
PCB-1221 (Aroclor 1221)	ug/kg	47.7 J	34.2 J	3030	417	33.8 J	68.3	40.9 J	34.2 J	334	1290	111	93.0	730			
PCB-1232 (Aroclor 1232)	ug/kg	29.2 U	21.5 U	20.6 U	21.4 U	21.8 U	17.9 U	22.7 U	18.6 U	20.4 U	19.5 U	29.7 U	29.2 U	18.4 U			
PCB-1242 (Aroclor 1242)	ug/kg	81.8 J	56.2 J	2680	518	67.1 J	93.2	41.0 J	53.8 J	328	1680	444 J	207 J	651			
PCB-1248 (Aroclor 1248)	ug/kg	29.2 U	21.5 U	20.6 U	21.4 U	21.8 U	17.9 U	22.7 U	18.6 U	20.4 U	19.5 U	29.7 U	29.2 U	18.4 U			
PCB-1254 (Aroclor 1254)	ug/kg	29.2 U	21.5 U	123	48.4 J	25.9 J	26.5 J	22.7 U	18.6 U	26.5 J	58.6 J	103	64.1 J	108			
PCB-1260 (Aroclor 1260)	ug/kg	29.2 U	21.5 U	20.6 U	21.4 U	21.8 U	17.9 U	22.7 U	18.6 U	20.4 U	19.5 U	29.7 U	29.2 U	18.4 U			
Total PCBs	ug/kg	130	90.4	5830	983	127	188	81.9	88	689	3030	658	364	1490			

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-147	HR17-OU2-R8-148	HR17-OU2-R8-149	HR17-OU2-R8-150	HR17-OU2-R8-151	HR17-OU2-R8-152	HR17-OU2-R8-153	HR17-OU2-R8-154	HR17-OU2-R8-156	HR17-OU2-R8-158	HR17-OU2-R8-159	HR17-OU2-R8-159	HR17-OU2-R8-160	
Sample Name	HR17-OU2-R8-147	HR17-OU2-R8-148	HR17-OU2-R8-149	HR17-OU2-R8-150	HR17-OU2-R8-151	HR17-OU2-R8-152	HR17-OU2-R8-153	HR17-OU2-R8-154	HR17-OU2-R8-156	HR17-OU2-R8-158	HR17-OU2-R8-159	HR17-OU2-R8-FD05	HR17-OU2-R8-160	
Sample Date	7/12/2017	7/12/2017	7/12/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-1.5 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample												HR17-OU2-R8-159		
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	2160	4310	4080	4530	9420	2870	4740	7070	7260	4140 J	7170 J	4520 J	1330
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	99	100	96	99	87	100	98	92	93	100	98	100	76
Sieve-US Std. 0.375-inch (9.5 mm)	%	94	94	88	86	82	99	48	71	91	100	89	98	64
Sieve-U.S. Std. No. 4 (4.75mm)	%	87	84	71	81	69	98	38	50	91	100	73	86	52
Sieve-U.S. Std. No. 10 (2mm)	%	75	62	40	79	55	82	34	31	91	99	59	78	40
Sieve-U.S. Std. No. 20 (0.85mm)	%	50	33	19	31	46	32	34	18	89	98	50	68	22
Sieve-U.S. Std. No. 40 (0.425mm)	%	32	20	12	14	39	12	34	13	84	86	42	58	16
Sieve-U.S. Std. No. 60 (0.25mm)	%	20	15	7	7	32	5	33	9	62	53	33	46	8
Sieve-U.S. Std. No. 140 (0.106mm)	%	7	8	2	3	17	3	32	2	23	13	19	30	2
Sieve-U.S. Std. No. 200 (0.075mm)	%	4.2	7.1	1.8	2.1	13	2.2	32	1.7	18	9.1	17	28	1.3
Grain Size Classification														
Gravel	%	13	16	29	19	31	2	62	50	9	0	27	14	48
Sand	%	82.8	76.9	69.2	78.9	56	95.8	6	48.3	73	90.9	56	58	50.7
Fines	%	4.2	7.1	1.8	2.1	13	2.2	32	1.7	18	9.1	17	28	1.3
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.2	0.5	0.1	0	1.1	0.1	17.4	0.1	1.1	0.3	4.7	9.2	0
Hydrometer, Reading 2, Percent Passing	%	0.2	0.5	0.1	0	0.9	0.1	16.4	0.1	1.1	0.2	4.5	8.8	0
Hydrometer, Reading 3, Percent Passing	%	0.2	0.4	0.1	0	0.9	0.1	16.0	0.1	0.7	0.2	4.4	8.8	0
Hydrometer, Reading 4, Percent Passing	%	0.1	0.3	0.1	0	0.9	0	15.6	0.1	0.7	0.1	4.2	8.6	0
Hydrometer, Reading 5, Percent Passing	%	0.1	0.3	0.1	0	0.8	0	14.7	0	0.5	0	4.0	8.1	0
Hydrometer, Reading 6, Percent Passing	%	0.1	0.1	0	0	0.6	0	12.3	0	0.3	0	3.5	7.0	0
Hydrometer, Reading 7, Percent Passing	%	0.1	0	0	0	0.3	0	9.0	0	0	0	2.6	2.8	0
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	18.1 U	19.8 U	18.7 U	17.2 U	22.1 U	17.9 U	25.8 U	18.4 U	23.5 U	21.8 U	24.8 U	24.1 U	17.8 U
PCB-1221 (Aroclor 1221)	ug/kg	18.1 U	54.8 J	172	57.8	124	963	111	18.4 U	193	21.8 U	284 J	62.2 J	17.8 U
PCB-1232 (Aroclor 1232)	ug/kg	18.1 U	19.8 U	18.7 U	17.2 U	22.1 U	17.9 U	25.8 U	18.4 U	23.5 U	21.8 U	24.8 U	24.1 U	17.8 U
PCB-1242 (Aroclor 1242)	ug/kg	19.8 J	92.4	283	102	214	1600	85.3	30.8 J	405	21.8 U	318 J	105 J	18.7 J
PCB-1248 (Aroclor 1248)	ug/kg	18.1 U	19.8 U	18.7 U	17.2 U	22.1 U	17.9 U	25.8 U	18.4 U	23.5 U	21.8 U	24.8 U	24.1 U	17.8 U
PCB-1254 (Aroclor 1254)	ug/kg	18.1 U	19.8 U	23.9 J	17.2 U	77.5	103	25.8 U	18.4 U	66.0 J	21.8 U	36.6 J	24.1 U	17.8 U
PCB-1260 (Aroclor 1260)	ug/kg	18.1 U	19.8 U	18.7 U	17.2 U	22.1 U	17.9 U	25.8 U	18.4 U	23.5 U	21.8 U	24.8 U	24.1 U	17.8 U
Total PCBs	ug/kg	19.8	147	479	160	416	2670	196	30.8	664	ND	639	167	18.7

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	Sample Name	Sample Date	Sample Depth Interval	Parent Sample	HR17-OU2-R8-161	HR17-OU2-R8-162	HR17-OU2-R8-163	HR17-OU2-R8-164	HR17-OU2-R8-165	HR17-OU2-R8-166	HR17-OU2-R8-168	HR17-OU2-R8-169	HR17-OU2-R8-170	HR17-OU2-R8-170	HR17-OU2-R8-171	HR17-OU2-R8-172	HR17-OU2-R8-173
Analyte	Unit																
Total Organic Carbon (LLOYD KAHN)																	
Total Organic Carbon	mg/kg				2260	496	3510	1300	2100	3690	1090	2010	13000 J	22800 J	1010	46400	2100
Grain Size (D422)																	
Sieve-US Std. 3-inch (75 mm)	%				100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%				100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%				100	100	100	100	100	100	100	80	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%				95	100	93	92	100	100	95	57	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%				87	100	76	87	100	100	95	46	100	100	99	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%				79	100	61	77	93	97	80	32	100	100	93	94	99
Sieve-U.S. Std. No. 4 (4.75mm)	%				65	100	49	66	70	84	60	22	100	100	84	92	97
Sieve-U.S. Std. No. 10 (2mm)	%				40	97	38	54	47	54	33	16	99	99	74	91	94
Sieve-U.S. Std. No. 20 (0.85mm)	%				19	83	25	43	20	28	16	11	96	95	62	72	92
Sieve-U.S. Std. No. 40 (0.425mm)	%				11	37	13	29	10	16	10	6	91	90	43	50	90
Sieve-U.S. Std. No. 60 (0.25mm)	%				6	5	7	12	5	6	7	3	85	84	19	35	87
Sieve-U.S. Std. No. 140 (0.106mm)	%				3	1	3	5	1	2	3	1	62	62	2	17	84
Sieve-U.S. Std. No. 200 (0.075mm)	%				2.1	1.0	2.7	4.3	1.3	1.8	2.4	0.7	46	45	1.5	15	83
Grain Size Classification																	
Gravel	%				35	0	51	34	30	16	40	78	0	0	16	8	3
Sand	%				62.9	99	46.3	61.7	68.7	82.2	57.6	21.3	54	55	82.5	77	14
Fines	%				2.1	1.0	2.7	4.3	1.3	1.8	2.4	0.7	46	45	1.5	15	83
Hydrometer Readings (D422)																	
Hydrometer, Reading 1, Percent Passing	%				0.2	0	0.3	0.3	0.1	0.1	0.2	0.1	6.9	7.2	0.1	0.9	59.8
Hydrometer, Reading 2, Percent Passing	%				0.1	0	0.3	0.2	0.1	0.1	0.1	0.1	6.1	7.2	0.1	0.7	51.5
Hydrometer, Reading 3, Percent Passing	%				0.1	0	0.2	0.2	0.1	0.1	0.1	0	5.4	5.0	0.1	0.3	44.6
Hydrometer, Reading 4, Percent Passing	%				0.1	0	0.2	0.2	0.1	0.1	0.1	0	2.7	3.7	0.1	0.3	39.0
Hydrometer, Reading 5, Percent Passing	%				0.1	0	0.2	0.2	0.1	0.1	0.1	0	2.4	2.8	0.1	0	36.3
Hydrometer, Reading 6, Percent Passing	%				0.1	0	0.2	0.1	0.1	0.1	0.1	0	1.6	1.5	0.1	0	26.6
Hydrometer, Reading 7, Percent Passing	%				0	0	0.1	0	0.1	0.1	0.1	0	0.9	0.2	0.1	0	21.0
PCBs (SW8082A)																	
PCB-1016 (Aroclor 1016)	ug/kg				17.4 U	19.0 U	17.8 U	18.8 U	17.0 U	18.3 U	17.8 U	18.8 U	33.7 UJ	35.5 UJ	19.3 U	31.6 U	22.0 U
PCB-1221 (Aroclor 1221)	ug/kg				17.4 U	56.6 J	40.9 J	567	17.0 U	712	24.7 J	1070	298 J	325 J	336	1780	22.0 U
PCB-1232 (Aroclor 1232)	ug/kg				17.4 U	19.0 U	17.8 U	18.8 U	17.0 U	18.3 U	17.8 U	18.8 U	33.7 UJ	35.5 UJ	19.3 U	31.6 U	22.0 U
PCB-1242 (Aroclor 1242)	ug/kg				20.6 J	118	90.8	1070	62.4	1670	22.4 J	6330	547 J	487 J	434	5000	97.1
PCB-1248 (Aroclor 1248)	ug/kg				17.4 U	19.0 U	17.8 U	18.8 U	17.0 U	18.3 U	17.8 U	18.8 U	33.7 UJ	35.5 UJ	19.3 U	31.6 U	22.0 U
PCB-1254 (Aroclor 1254)	ug/kg				17.4 U	19.0 U	17.8 U	53.2 J	17.0 U	86.1	17.8 U	1420	233 J	215 J	25.3 J	580	22.0 U
PCB-1260 (Aroclor 1260)	ug/kg				17.4 U	19.0 U	17.8 U	18.8 U	17.0 U	18.3 U	17.8 U	18.8 U	33.7 UJ	35.5 UJ	19.3 U	31.6 U	22.0 U
Total PCBs	ug/kg				20.6	175	132	1690	62.4	2470	47.1	8820	1080	1030	795	7360	97.1

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

	Location ID	HR17-OU2-R8-174	HR17-OU2-R8-175	HR17-OU2-R8-176	HR17-OU2-R8-177	HR17-OU2-R8-178	HR17-OU2-R8-179	HR17-OU2-R8-180	HR17-OU2-R8-181	HR17-OU2-R8-182	HR17-OU2-R8-182	HR17-OU2-R8-183	HR17-OU2-R8-184	HR17-OU2-R8-185
	Sample Name	HR17-OU2-R8-174	HR17-OU2-R8-175	HR17-OU2-R8-176	HR17-OU2-R8-177	HR17-OU2-R8-178	HR17-OU2-R8-179	HR17-OU2-R8-180	HR17-OU2-R8-181	HR17-OU2-R8-182	HR17-OU2-R8-FD02	HR17-OU2-R8-183	HR17-OU2-R8-184	HR17-OU2-R8-185
	Sample Date	7/7/2017	7/7/2017	7/8/2017	7/7/2017	7/8/2017	7/8/2017	7/6/2017	7/6/2017	7/7/2017	7/7/2017	7/6/2017	7/6/2017	7/10/2017
	Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
	Parent Sample										HR17-OU2-R8-182			
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	14300	2110	4440	7020 J	39800	1530	10200	3160	16400	18400	2510 J	1900	652
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	78	100	100	100	100	93	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	57	88	100	100	95	70	100	100	100	88	92	98
Sieve-US Std. 0.75-inch (19 mm)	%	98	46	74	100	100	95	70	99	100	100	77	85	94
Sieve-US Std. 0.375-inch (9.5 mm)	%	92	31	61	98	96	83	70	90	100	100	59	70	83
Sieve-U.S. Std. No. 4 (4.75mm)	%	86	22	41	97	89	73	69	71	99	99	46	55	75
Sieve-U.S. Std. No. 10 (2mm)	%	80	16	41	80	74	54	69	46	97	98	31	41	69
Sieve-U.S. Std. No. 20 (0.85mm)	%	77	12	27	41	53	29	69	26	92	94	18	29	58
Sieve-U.S. Std. No. 40 (0.425mm)	%	70	10	20	19	29	16	68	14	81	84	11	18	36
Sieve-U.S. Std. No. 60 (0.25mm)	%	56	6	15	10	17	9	66	6	61	66	8	8	11
Sieve-U.S. Std. No. 140 (0.106mm)	%	20	2	10	4	15	1	51	2	23	28	5	2	1
Sieve-U.S. Std. No. 200 (0.075mm)	%	14	1.9	9.8	3.2	15	0.5	39	1.8	15	20	4.7	1.4	0.8
Grain Size Classification														
Gravel	%	14	78	59	3	11	27	31	29	1	1	54	45	25
Sand	%	72	20.1	31.2	93.8	74	72.5	30	69.2	84	79	41.3	53.6	74.2
Fines	%	14	1.9	9.8	3.2	15	0.5	39	1.8	15	20	4.7	1.4	0.8
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	1.1	0.2	0.5	0.2	0.8	0	8.0	0.1	0.8	0.6	0.6	0	0
Hydrometer, Reading 2, Percent Passing	%	0.9	0.2	0.5	0.2	0.6	0	7.6	0.1	0.6	0.5	0.5	0	0
Hydrometer, Reading 3, Percent Passing	%	0.7	0.2	0.3	0.2	0.3	0	5.3	0.1	0.4	0.3	0.4	0	0
Hydrometer, Reading 4, Percent Passing	%	0.7	0.2	0.2	0.2	0.3	0	4.9	0.1	0.2	0.3	0.4	0	0
Hydrometer, Reading 5, Percent Passing	%	0.5	0.2	0.1	0.2	0.2	0	4.5	0.1	0	0.3	0.3	0	0
Hydrometer, Reading 6, Percent Passing	%	0.5	0.1	0.1	0.2	0.2	0	3.1	0.1	0	0.2	0.2	0	0
Hydrometer, Reading 7, Percent Passing	%	0.2	0.1	0	0.1	0.2	0	2.7	0	0	0	0.2	0	0
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	24.5 U	19.6 U	19.4 U	20.2 U	20.2 U	18.9 U	24.4 U	18.5 U	29.7 U	30.1 U	18.6 U	19.4 U	19.0 U
PCB-1221 (Aroclor 1221)	ug/kg	5920 J	193	30.9 J	123	1310	18.9 U	96.6	45.4 J	4610 J	5760 J	18.6 U	1390	19.0 U
PCB-1232 (Aroclor 1232)	ug/kg	24.5 U	19.6 U	19.4 U	20.2 U	20.2 U	18.9 U	24.4 U	18.5 U	29.7 U	30.1 U	18.6 U	19.4 U	19.0 U
PCB-1242 (Aroclor 1242)	ug/kg	4720 J	500	114	645	2830	18.9 U	396	186	14500 J	14800 J	33.6 J	3560	19.0 U
PCB-1248 (Aroclor 1248)	ug/kg	24.5 U	19.6 U	19.4 U	20.2 U	20.2 U	18.9 U	24.4 U	18.5 U	29.7 U	30.1 U	18.6 U	19.4 U	19.0 U
PCB-1254 (Aroclor 1254)	ug/kg	469 J	49.0 J	32.0 J	62.2 J	224	18.9 U	111	18.5 U	4020 J	3890 J	18.6 U	240	19.0 U
PCB-1260 (Aroclor 1260)	ug/kg	24.5 U	19.6 U	19.4 U	20.2 U	20.2 U	18.9 U	24.4 U	18.5 U	29.7 U	30.1 U	18.6 U	19.4 U	19.0 U
Total PCBs	ug/kg	11100	742	177	830	4360	ND	604	231	23100	24500	33.6	5190	ND

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-186	HR17-OU2-R8-187	HR17-OU2-R8-187	HR17-OU2-R8-188	HR17-OU2-R8-190	HR17-OU2-R8-191	HR17-OU2-R8-192	HR17-OU2-R8-194	HR17-OU2-R8-194	HR17-OU2-R8-195	HR17-OU2-R8-196	HR17-OU2-R8-197	HR17-OU2-R8-199	
Sample Name	HR17-OU2-R8-186	HR17-OU2-R8-187	HR17-OU2-R8-FD01	HR17-OU2-R8-188	HR17-OU2-R8-190	HR17-OU2-R8-191	HR17-OU2-R8-192	HR17-OU2-R8-194	HR17-OU2-R8-FD22	HR17-OU2-R8-195	HR17-OU2-R8-196	HR17-OU2-R8-197	HR17-OU2-R8-199	
Sample Date	7/6/2017	7/6/2017	7/6/2017	7/8/2017	7/6/2017	7/6/2017	7/8/2017	8/29/2017	8/29/2017	7/10/2017	7/10/2017	7/10/2017	7/10/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample			HR17-OU2-R8-187						HR17-OU2-R8-194					
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	3300	2440 J	5230 J	10000	2150	5120 J	11100	34500 J	21000 J	10200	5250	2890	5480
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	92	95
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	93	100	100	100	100	100	100	100	90	84
Sieve-US Std. 1-inch (25 mm)	%	95	100	100	68	100	69	100	100	100	86	100	80	65
Sieve-US Std. 0.75-inch (19 mm)	%	87	99	99	61	96	69	98	100	100	70	100	73	46
Sieve-US Std. 0.375-inch (9.5 mm)	%	70	78	79	34	76	32	96	91	100	47	97	52	26
Sieve-U.S. Std. No. 4 (4.75mm)	%	42	54	57	21	54	11	87	86	96	25	67	36	19
Sieve-U.S. Std. No. 10 (2mm)	%	30	36	41	13	33	7	67	80	89	19	52	27	16
Sieve-U.S. Std. No. 20 (0.85mm)	%	17	20	24	10	19	5	62	76	84	12	36	17	12
Sieve-U.S. Std. No. 40 (0.425mm)	%	12	7	9	6	12	2	46	73	80	9	22	7	9
Sieve-U.S. Std. No. 60 (0.25mm)	%	6	3	4	3	6	1	41	64	71	4	14	3	4
Sieve-U.S. Std. No. 140 (0.106mm)	%	2	1	1	1	2	0	31	31	33	1	5	1	1
Sieve-U.S. Std. No. 200 (0.075mm)	%	1.4	0.8	0.8	1.3	2.1	0.2	29	21	22	1.0	4.1	1.0	0.8
Grain Size Classification														
Gravel	%	58	46	43	79	46	89	13	14	4	75	33	64	81
Sand	%	40.6	53.2	56.2	19.7	51.9	10.8	58	65	74	24	62.9	35	18.2
Fines	%	1.4	0.8	0.8	1.3	2.1	0.2	29	21	22	1.0	4.1	1.0	0.8
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.1	0	0	0.1	0.1	0	1.5	1.6	2.2	0	0	0	0
Hydrometer, Reading 2, Percent Passing	%	0.1	0	0	0	0.1	0	0.8	1.6	2.2	0	0	0	0
Hydrometer, Reading 3, Percent Passing	%	0	0	0	0	0	0	0.5	1.6	1.8	0	0	0	0
Hydrometer, Reading 4, Percent Passing	%	0	0	0	0	0	0	0.5	0.9	1.2	0	0	0	0
Hydrometer, Reading 5, Percent Passing	%	0	0	0	0	0	0	0.3	0.9	1.0	0	0	0	0
Hydrometer, Reading 6, Percent Passing	%	0	0	0	0	0	0	0.1	0.7	0.6	0	0	0	0
Hydrometer, Reading 7, Percent Passing	%	0	0	0	0	0	0	0.1	0.5	0.4	0	0	0	0
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	19.0 U	18.9 U	18.6 U	20.6 U	17.3 U	18.9 U	21.2 U	33.3 U	31.5 U	18.6 U	18.8 U	19.9 U	19.6 U
PCB-1221 (Aroclor 1221)	ug/kg	1700	193 J	346 J	649	127	138	109	223	232	722	18.8 U	826	1760
PCB-1232 (Aroclor 1232)	ug/kg	19.0 U	18.9 U	18.6 U	20.6 U	17.3 U	18.9 U	21.2 U	33.3 U	31.5 U	18.6 U	18.8 U	19.9 U	19.6 U
PCB-1242 (Aroclor 1242)	ug/kg	7760	708 J	1240 J	2070	609	1230	2480	839	732	1990	166	2300	3980
PCB-1248 (Aroclor 1248)	ug/kg	19.0 U	18.9 U	18.6 U	20.6 U	17.3 U	18.9 U	21.2 U	33.3 U	31.5 U	18.6 U	18.8 U	19.9 U	19.6 U
PCB-1254 (Aroclor 1254)	ug/kg	476	64.8	122	171	100	10700	378	204	221	139	123	188	182
PCB-1260 (Aroclor 1260)	ug/kg	19.0 U	18.9 U	18.6 U	20.6 U	17.3 U	18.9 U	21.2 U	33.3 U	31.5 U	18.6 U	18.8 U	19.9 U	19.6 U
Total PCBs	ug/kg	9940	966	1710	2890	836	12100	2970	1270	1190	2850	289	3310	5920

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2A Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 8, Hudson River PCB Sediments Site OU-2, New York

	Location ID	HR17-OU2-R8-200	HR17-OU2-R8-201	HR17-OU2-R8-201	HR17-OU2-R8-205	HR17-OU2-R8-206	HR17-OU2-R8-207	HR17-OU2-R8-208	HR17-OU2-R8-212
	Sample Name	HR17-OU2-R8-200	HR17-OU2-R8-201	HR17-OU2-R8-FD04	HR17-OU2-R8-205	HR17-OU2-R8-206	HR17-OU2-R8-207	HR17-OU2-R8-208	HR17-OU2-R8-212
	Sample Date	7/10/2017	7/10/2017	7/10/2017	7/10/2017	7/10/2017	7/10/2017	7/10/2017	7/10/2017
	Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
	Parent Sample			HR17-OU2-R8-201					
Analyte	Unit								
Total Organic Carbon (LLOYD KAHN)									
Total Organic Carbon	mg/kg	77900	11900 J	22300 J	19500	58700	3680 J	3040	40100
Grain Size (D422)									
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	89	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	82	100	100	100	96	91	93	100
Sieve-US Std. 0.75-inch (19 mm)	%	78	93	93	99	96	91	81	93
Sieve-US Std. 0.375-inch (9.5 mm)	%	68	78	75	99	92	86	51	82
Sieve-U.S. Std. No. 4 (4.75mm)	%	49	69	65	97	86	74	31	72
Sieve-U.S. Std. No. 10 (2mm)	%	36	62	58	85	78	60	24	64
Sieve-U.S. Std. No. 20 (0.85mm)	%	23	58	53	54	70	40	18	53
Sieve-U.S. Std. No. 40 (0.425mm)	%	12	53	46	42	62	18	7	39
Sieve-U.S. Std. No. 60 (0.25mm)	%	6	38	32	31	41	7	2	26
Sieve-U.S. Std. No. 140 (0.106mm)	%	2	13	10	2	8	2	0	13
Sieve-U.S. Std. No. 200 (0.075mm)	%	1.8	9.9	7.5	2.2	5.5	2.0	0.4	10
Grain Size Classification									
Gravel	%	51	31	35	3	14	26	69	28
Sand	%	47.2	59.1	57.5	94.8	80.5	72	30.6	62
Fines	%	1.8	9.9	7.5	2.2	5.5	2.0	0.4	10
Hydrometer Readings (D422)									
Hydrometer, Reading 1, Percent Passing	%	0.1	1.1	0.7	0.1	0.3	0.1	0	0.9
Hydrometer, Reading 2, Percent Passing	%	0.1	0.9	0.6	0.1	0.2	0.1	0	0.9
Hydrometer, Reading 3, Percent Passing	%	0.1	0.7	0.6	0.1	0.2	0.1	0	0.8
Hydrometer, Reading 4, Percent Passing	%	0.1	0.6	0.5	0.1	0.2	0.1	0	0.7
Hydrometer, Reading 5, Percent Passing	%	0.1	0.6	0.4	0.1	0.1	0.1	0	0.7
Hydrometer, Reading 6, Percent Passing	%	0	0.4	0.3	0.1	0	0.1	0	0.6
Hydrometer, Reading 7, Percent Passing	%	0	0.4	0.3	0	0	0.1	0	0.6
PCBs (SW8082A)									
PCB-1016 (Aroclor 1016)	ug/kg	19.4 U	22.0 U	24.4 U	20.0 U	27.7 U	19.7 U	19.8 U	28.8 U
PCB-1221 (Aroclor 1221)	ug/kg	135	1000 J	2210 J	221	193	341	323	85.3 J
PCB-1232 (Aroclor 1232)	ug/kg	19.4 U	22.0 U	24.4 U	20.0 U	27.7 U	19.7 U	19.8 U	28.8 U
PCB-1242 (Aroclor 1242)	ug/kg	531	1740 J	2940 J	1230	586	1430 J	1380	925
PCB-1248 (Aroclor 1248)	ug/kg	19.4 U	22.0 U	24.4 U	20.0 U	27.7 U	19.7 U	19.8 U	28.8 U
PCB-1254 (Aroclor 1254)	ug/kg	88.4	427	340	161	155	151	147	525
PCB-1260 (Aroclor 1260)	ug/kg	19.4 U	22.0 U	24.4 U	20.0 U	27.7 U	19.7 U	19.8 U	28.8 U
Total PCBs	ug/kg	754	3170	5490	1610	934	1920	1850	1540
Notes:									
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.									
U = Indicates the analyte was not detected greater than the laboratory reporting limit.									
ug/kg = Micrograms per Kilogram									
mg/kg = Milligrams per Kilogram									
NA = Not Analyzed, ND = Non-detect									
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.									
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.									

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample		HR17-OU2-R7-003 HR17-OU2-R7-003 7/24/2017 0-2 inches	HR17-OU2-R7-004 HR17-OU2-R7-004 7/24/2017 0-2 inches	HR17-OU2-R7-005 HR17-OU2-R7-005 7/24/2017 0-2 inches	HR17-OU2-R7-006 HR17-OU2-R7-006 7/24/2017 0-2 inches	HR17-OU2-R7-FD03 HR17-OU2-R7-006 7/24/2017 0-2 inches HR17-OU2-R7-006	HR17-OU2-R7-007 HR17-OU2-R7-007 6/15/2017 0-2 inches	HR17-OU2-R7-008 HR17-OU2-R7-008 7/24/2017 0-2 inches	HR17-OU2-R7-009 HR17-OU2-R7-009 7/24/2017 0-2 inches	HR17-OU2-R7-010 HR17-OU2-R7-010 7/24/2017 0-2 inches	HR17-OU2-R7-011 HR17-OU2-R7-011 7/24/2017 0-2 inches	HR17-OU2-R7-012 HR17-OU2-R7-012 6/15/2017 0-2 inches	HR17-OU2-R7-FD01 HR17-OU2-R7-012 6/15/2017 0-2 inches HR17-OU2-R7-012
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	1140	8430	1840 J	1220	1260	7630	1240	19300	1130	14500	4260	4680
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	92	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	96	100	97	100	92	92
Sieve-US Std. 0.375-inch (9.5 mm)	%	96	99	100	100	100	79	87	95	81	100	80	82
Sieve-U.S. Std. No. 4 (4.75mm)	%	91	95	99	99	99	61	72	87	60	99	58	63
Sieve-U.S. Std. No. 10 (2mm)	%	85	88	98	93	92	45	48	73	39	96	40	43
Sieve-U.S. Std. No. 20 (0.85mm)	%	74	68	79	68	69	34	28	48	24	76	30	32
Sieve-U.S. Std. No. 40 (0.425mm)	%	48	31	26	39	39	26	12	23	13	45	23	24
Sieve-U.S. Std. No. 60 (0.25mm)	%	28	15	6	16	15	17	5	12	6	36	15	15
Sieve-U.S. Std. No. 140 (0.106mm)	%	4	9	2	2	1	11	1	5	1	27	8	7
Sieve-U.S. Std. No. 200 (0.075mm)	%	1.0	7.7	1.3	1.1	0.5	9.9	1.1	3.5	1.0	24	6.5	5.5
Grain Size Classification													
Gravel	%	9	5	1	1	1	39	28	13	40	1	42	37
Sand	%	90	87.3	97.7	97.9	98.5	51.1	70.9	83.5	59	75	51.5	57.5
Fines	%	1.0	7.7	1.3	1.1	0.5	9.9	1.1	3.5	1.0	24	6.5	5.5
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0	0.7	0.1	0.2	0	1.4	0.1	0.3	0.1	3.9	0.7	0.7
Hydrometer, Reading 2, Percent Passing	%	0	0.7	0.1	0.2	0	1.2	0.1	0.3	0.1	2.7	0.6	0.5
Hydrometer, Reading 3, Percent Passing	%	0	0.6	0.1	0.2	0	1.1	0.1	0.3	0.1	2.7	0.4	0.4
Hydrometer, Reading 4, Percent Passing	%	0	0.3	0.1	0.1	0	0.9	0.1	0.3	0	2.7	0.4	0.4
Hydrometer, Reading 5, Percent Passing	%	0	3	0.1	0.1	0	0.8	0	0.1	0	2.5	0.2	0.3
Hydrometer, Reading 6, Percent Passing	%	0	0.2	0	0.1	0	0.3	0	0	0	0.6	0.1	0.1
Hydrometer, Reading 7, Percent Passing	%	0	0	0	0.1	0	0	0	0	0	0.2	0	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	19.9 U	22.3 U	20.4 U	19.3 U	20.2 U	19.2 U	18.0 U	21.1 U	18.5 U	25.2 U	21.3 U	20.2 U
PCB-1221 (Aroclor 1221)	ug/kg	19.9 U	1730	534	2770 J	928 J	280	18.0 U	2860	202	2430 J	362	327
PCB-1232 (Aroclor 1232)	ug/kg	19.9 U	22.3 U	20.4 U	19.3 U	20.2 U	19.2 U	18.0 U	21.1 U	18.5 U	25.2 U	21.3 U	20.2 U
PCB-1242 (Aroclor 1242)	ug/kg	19.9 U	2940	1050	3430 J	1500 J	977	18.0 U	4890	348	2820 J	980	977
PCB-1248 (Aroclor 1248)	ug/kg	19.9 U	22.3 U	20.4 U	19.3 U	20.2 U	19.2 U	18.0 U	21.1 U	18.5 U	25.2 U	21.3 U	20.2 U
PCB-1254 (Aroclor 1254)	ug/kg	19.9 U	285	96.0	203 J	112 J	77.0	18.0 U	642	27.7 J	474 J	82.9	104
PCB-1260 (Aroclor 1260)	ug/kg	19.9 U	22.3 U	20.4 U	19.3 U	20.2 U	19.2 U	18.0 U	21.1 U	18.5 U	25.2 U	21.3 U	20.2 U
Total PCBs	ug/kg	ND	4960	1680	6400	2540	1330	ND	8390	578	5720	1420	1410

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R7-013	HR17-OU2-R7-014	HR17-OU2-R7-015	HR17-OU2-R7-016	HR17-OU2-R7-017	HR17-OU2-R7-018	HR17-OU2-R7-019	HR17-OU2-R7-020	HR17-OU2-R7-021	HR17-OU2-R7-022	HR17-OU2-R7-023	HR17-OU2-R7-024
Sample Name		HR17-OU2-R7-013	HR17-OU2-R7-014	HR17-OU2-R7-015	HR17-OU2-R7-016	HR17-OU2-R7-017	HR17-OU2-R7-018	HR17-OU2-R7-019	HR17-OU2-R7-020	HR17-OU2-R7-021	HR17-OU2-R7-022	HR17-OU2-R7-023	HR17-OU2-R7-024
Sample Date		7/25/2017	7/25/2017	7/25/2017	7/25/2017	7/25/2017	6/16/2017	7/25/2017	7/25/2017	7/25/2017	7/25/2017	7/25/2017	7/25/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	3510	1140	4140	3610 J	12500	5520	2890	36400	28100	1130	22800	7700
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	97	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	94	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	94	100	99	99	79	100	100	100	100	100	95
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	85	100	96	95	63	99	100	100	99	99	70
Sieve-U.S. Std. No. 10 (2mm)	%	100	73	100	89	88	48	98	100	99	98	96	44
Sieve-U.S. Std. No. 20 (0.85mm)	%	88	70	99	81	56	36	77	86	94	91	83	30
Sieve-U.S. Std. No. 40 (0.425mm)	%	66	49	98	53	25	28	47	64	91	66	63	23
Sieve-U.S. Std. No. 60 (0.25mm)	%	49	34	97	27	15	18	22	41	87	30	40	19
Sieve-U.S. Std. No. 140 (0.106mm)	%	22	12	95	3	14	10	9	9	66	10	13	11
Sieve-U.S. Std. No. 200 (0.075mm)	%	17	9.3	93	3.0	11	9	8.0	5.2	50	1	8.7	8.5
Grain Size Classification													
Gravel	%	0	15	0	4	5	37	1	0	0	1	1	30
Sand	%	83	75.7	7	93	84	54	91	94.8	50	98	90.3	61.5
Fines	%	17	9.3	93	3.0	11	9	8.0	5.2	50	1	8.7	8.5
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	5.6	0.4	84.0	0.2	2.1	1.3	0.6	0.6	13.7	0	1.0	1.2
Hydrometer, Reading 2, Percent Passing	%	5.6	0.4	79.5	0.1	1.9	1.2	0.6	0.5	9.0	0	0.9	1.0
Hydrometer, Reading 3, Percent Passing	%	5.3	0.4	72.7	0.1	1.3	1.2	0.6	0.5	8.3	0	0.7	0.8
Hydrometer, Reading 4, Percent Passing	%	4.7	0.4	67.4	0.1	1.3	1.1	0.5	0.5	7.9	0	0.7	0.7
Hydrometer, Reading 5, Percent Passing	%	4.7	0.4	59.1	0.1	1.2	0.7	0.5	0.4	7.5	0	0.7	0.6
Hydrometer, Reading 6, Percent Passing	%	3.8	0.3	44.8	0.1	0.9	0.7	0.4	0.4	5.6	0	0.5	0.4
Hydrometer, Reading 7, Percent Passing	%	2.9	0.3	32.7	0.1	0.7	0.3	0.4	0.4	4.4	0	0.5	0.3
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	21.9 U	19.3 U	23.4 U	21.1 U	23.3 U	21.1 U	21.1 U	22.8 U	31.6 U	20.3 U	22.5 U	20.2 U
PCB-1221 (Aroclor 1221)	ug/kg	272	19.3 U	58.2 J	2540	2100	522	414	1610	1600	1680	89.2	2410
PCB-1232 (Aroclor 1232)	ug/kg	21.9 U	19.3 U	23.4 U	21.1 U	23.3 U	21.1 U	21.1 U	22.8 U	31.6 U	20.3 U	22.5 U	20.2 U
PCB-1242 (Aroclor 1242)	ug/kg	309	29.7 J	75.5	6050 J	2590	1510	682	2790	2380	3370	168	4390
PCB-1248 (Aroclor 1248)	ug/kg	21.9 U	19.3 U	23.4 U	21.1 U	23.3 U	21.1 U	21.1 U	22.8 U	31.6 U	20.3 U	22.5 U	20.2 U
PCB-1254 (Aroclor 1254)	ug/kg	43.6 J	19.3 U	23.4 U	512	274	106	58.0 J	270	665	202	49.8 J	223
PCB-1260 (Aroclor 1260)	ug/kg	21.9 U	19.3 U	23.4 U	21.1 U	23.3 U	21.1 U	21.1 U	22.8 U	31.6 U	20.3 U	22.5 U	20.2 U
Total PCBs	ug/kg	625	29.7	134	9100	4960	2140	1150	4670	4650	5250	307	7020
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R7-025	HR17-OU2-R7-026	HR17-OU2-R7-026	HR17-OU2-R7-027	HR17-OU2-R7-028	HR17-OU2-R7-029	HR17-OU2-R7-030	HR17-OU2-R7-031	HR17-OU2-R7-032	HR17-OU2-R7-033	HR17-OU2-R7-033	HR17-OU2-R7-034
Sample Name		HR17-OU2-R7-025	HR17-OU2-R7-026	HR17-OU2-R7-FD04	HR17-OU2-R7-027	HR17-OU2-R7-028	HR17-OU2-R7-029	HR17-OU2-R7-030	HR17-OU2-R7-031	HR17-OU2-R7-032	HR17-OU2-R7-033	HR17-OU2-R7-FD05	HR17-OU2-R7-034
Sample Date		6/16/2017	7/26/2017	7/25/2017	7/25/2017	7/25/2017	7/26/2017	7/25/2017	7/25/2017	6/17/2017	7/26/2017	7/26/2017	7/26/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample				HR17-OU2-R7-026								HR17-OU2-R7-033	
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	16400	42300	1470	1290	7170	26700	7430	14600	15200 J	13500	12200	2710
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	98	100	100	100	96	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	98	100	100	100	92	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	95	94	94	100	88	100	100	100	98	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	90	89	72	99	83	100	100	100	97	99
Sieve-U.S. Std. No. 10 (2mm)	%	96	100	79	79	50	99	73	100	99	99	97	95
Sieve-U.S. Std. No. 20 (0.85mm)	%	90	43	62	55	39	95	51	53	95	98	95	76
Sieve-U.S. Std. No. 40 (0.425mm)	%	88	9	41	33	21	92	36	25	93	98	94	47
Sieve-U.S. Std. No. 60 (0.25mm)	%	83	5	24	16	14	83	18	9	89	97	93	26
Sieve-U.S. Std. No. 140 (0.106mm)	%	62	2	8	14	8	32	7	4	70	87	80	15
Sieve-U.S. Std. No. 200 (0.075mm)	%	55	1.6	4.1	11	1.6	16	5.0	2.7	63	78	68	15
Grain Size Classification													
Gravel	%	0	0	10	11	28	1	17	0	0	0	3	1
Sand	%	45	98.4	85.9	78	70.4	83	78	97.3	37	22	29	84
Fines	%	55	1.6	4.1	11	1.6	16	5.0	2.7	63	78	68	15
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	22.0	0.4	0.5	1.2	0.2	3.2	0.7	0.3	27.0	22.4	32.2	0.7
Hydrometer, Reading 2, Percent Passing	%	19.4	0.3	0.4	1.1	0.1	3.2	0.6	0.3	21.4	21.4	29.9	0.5
Hydrometer, Reading 3, Percent Passing	%	15.6	0.2	0.4	1.1	0.1	2.7	0.6	0.3	17.4	19.4	28.2	0.5
Hydrometer, Reading 4, Percent Passing	%	14.1	0.2	0.4	1.1	0.1	2.4	0.6	0.3	15.8	17.5	25.2	0.5
Hydrometer, Reading 5, Percent Passing	%	11.9	0.1	0.4	0.8	0.1	2.4	0.5	0.3	12.4	16.5	24.1	0.5
Hydrometer, Reading 6, Percent Passing	%	8.2	0.1	0.3	0.7	0.1	1.1	0.4	0.2	7.9	10.5	15.3	0.5
Hydrometer, Reading 7, Percent Passing	%	4.4	0.1	0.3	0.7	0.1	0.7	0.4	0.2	2.2	7.1	10.1	0.5
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	25.3 U	20.1 U	20.1 U	20.2 U	19.4 U	27.1 U	20.7 U	18.6 U	34.4 UJ	26.1 U	26.7 U	20.4 U
PCB-1221 (Aroclor 1221)	ug/kg	117	5950	27.5 J	27.2 J	2070	3160 J	96.0	2750	213 J	428	350	948
PCB-1232 (Aroclor 1232)	ug/kg	25.3 U	20.1 U	20.1 U	20.2 U	19.4 U	27.1 U	20.7 U	18.6 U	34.4 UJ	26.1 U	26.7 U	20.4 U
PCB-1242 (Aroclor 1242)	ug/kg	319	11100	46.9 J	52.3 J	4230	4920 J	162	8880	379 J	611	483	1760
PCB-1248 (Aroclor 1248)	ug/kg	25.3 U	20.1 U	20.1 U	20.2 U	19.4 U	27.1 U	20.7 U	18.6 U	34.4 UJ	26.1 U	26.7 U	20.4 U
PCB-1254 (Aroclor 1254)	ug/kg	79.2 J	658	20.1 U	20.2 U	280	694 J	44.2 J	573	72.7 J	150	117	120
PCB-1260 (Aroclor 1260)	ug/kg	25.3 U	20.1 U	20.1 U	20.2 U	19.4 U	27.1 U	20.7 U	18.6 U	34.4 UJ	26.1 U	26.7 U	20.4 U
Total PCBs	ug/kg	515	17700	74.4	79.5	6580	8770	302	12200	665	1190	950	2830

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R7-035	HR17-OU2-R7-035	HR17-OU2-R7-036	HR17-OU2-R7-037	HR17-OU2-R7-038	HR17-OU2-R7-039	HR17-OU2-R7-040	HR17-OU2-R7-041	HR17-OU2-R7-042	HR17-OU2-R7-043	HR17-OU2-R7-044	HR17-OU2-R7-045
Sample Name		HR17-OU2-R7-035	HR17-OU2-R7-FD06	HR17-OU2-R7-036	HR17-OU2-R7-037	HR17-OU2-R7-038	HR17-OU2-R7-039	HR17-OU2-R7-040	HR17-OU2-R7-041	HR17-OU2-R7-042	HR17-OU2-R7-043	HR17-OU2-R7-044	HR17-OU2-R7-045
Sample Date		7/26/2017	7/26/2017	7/26/2017	7/26/2017	7/26/2017	6/17/2017	7/26/2017	7/26/2017	7/26/2017	7/26/2017	7/27/2017	7/27/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample			HR17-OU2-R7-035										
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	3800 J	6030 J	4420	3930	2170	14800	1620	40600	23700	4400	18100	28200
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	98	100	97	97	99	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	98	99	88	88	98	100	100	99	85	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	98	97	98	81	70	96	100	99	97	63	100	99
Sieve-U.S. Std. No. 10 (2mm)	%	95	94	89	71	52	91	100	97	89	39	99	96
Sieve-U.S. Std. No. 20 (0.85mm)	%	85	83	76	56	36	84	100	91	55	24	98	73
Sieve-U.S. Std. No. 40 (0.425mm)	%	68	61	56	43	21	80	99	78	31	14	96	41
Sieve-U.S. Std. No. 60 (0.25mm)	%	48	35	35	33	9	76	94	56	27	6	91	15
Sieve-U.S. Std. No. 140 (0.106mm)	%	34	14	9	21	2	63	6	32	21	2	17	3
Sieve-U.S. Std. No. 200 (0.075mm)	%	32	11	7.9	17	1.4	57	1.9	28	20	1.8	2.2	2.5
Grain Size Classification													
Gravel	%	2	3	2	19	30	4	0	1	3	37	0	1
Sand	%	66	86	90.1	64	68.6	39	98.1	71	77	61.2	97.8	96.5
Fines	%	32	11	7.9	17	1.4	57	1.9	28	20	1.8	2.2	2.5
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	2.1	0.7	0.3	1.4	0.1	24.0	0.1	4.4	4.0	0.2	0.1	0.8
Hydrometer, Reading 2, Percent Passing	%	2.1	0.7	0.3	1.2	0.1	23.0	0.1	3.4	3.7	0.2	0.1	0.8
Hydrometer, Reading 3, Percent Passing	%	2.1	0.7	0.3	1.1	0.1	18.2	0.1	3.0	3.2	0.2	0.1	0.8
Hydrometer, Reading 4, Percent Passing	%	2.1	0.7	0.2	1.0	0.1	15.3	0.1	2.7	2.8	0.1	0.1	0.8
Hydrometer, Reading 5, Percent Passing	%	2.1	0.7	0.2	1.0	0.1	12.5	0.1	2.3	2.3	0.1	0.1	0.8
Hydrometer, Reading 6, Percent Passing	%	0.4	0.5	0.2	0.8	0.1	7.7	0.1	0.9	2.0	0.1	0	0.8
Hydrometer, Reading 7, Percent Passing	%	0.2	0.3	0.2	0.5	0	3.8	0.1	0.9	0.8	0.1	0	0.8
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	21.5 U	21.5 U	22.2 U	23.2 U	20.2 U	27.2 U	21.9 U	30.0 U	21.7 U	18.4 U	27.7 U	21.0 U
PCB-1221 (Aroclor 1221)	ug/kg	31.9 J	93.9 J	510	439	1080	156	505	42900 J	2570 J	1290	952	2470
PCB-1232 (Aroclor 1232)	ug/kg	21.5 U	21.5 U	22.2 U	23.2 U	20.2 U	27.2 U	21.9 U	30.0 U	21.7 U	18.4 U	27.7 U	21.0 U
PCB-1242 (Aroclor 1242)	ug/kg	107 J	209 J	566	1000	2810	336	632	13100 J	6380 J	1760	1040	4450
PCB-1248 (Aroclor 1248)	ug/kg	21.5 U	21.5 U	22.2 U	23.2 U	20.2 U	27.2 U	21.9 U	30.0 U	21.7 U	18.4 U	27.7 U	21.0 U
PCB-1254 (Aroclor 1254)	ug/kg	31.7 J	63.7 J	78.0	123	169	49.0 J	67.8 J	4900 J	773 J	115	211	290
PCB-1260 (Aroclor 1260)	ug/kg	21.5 U	21.5 U	22.2 U	23.2 U	20.2 U	27.2 U	21.9 U	30.0 U	21.7 U	18.4 U	27.7 U	21.0 U
Total PCBs	ug/kg	171	367	1150	1560	4060	541	1200	60900	9720	3170	2200	7210

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R7-046	HR17-OU2-R7-047	HR17-OU2-R7-048	HR17-OU2-R7-048	HR17-OU2-R7-049	HR17-OU2-R7-050	HR17-OU2-R7-051	HR17-OU2-R7-052	HR17-OU2-R7-053	HR17-OU2-R7-054	HR17-OU2-R7-055	HR17-OU2-R7-056
Sample Name		HR17-OU2-R7-046	HR17-OU2-R7-047	HR17-OU2-R7-048	HR17-OU2-R7-FD07	HR17-OU2-R7-049	HR17-OU2-R7-050	HR17-OU2-R7-051	HR17-OU2-R7-052	HR17-OU2-R7-053	HR17-OU2-R7-054	HR17-OU2-R7-055	HR17-OU2-R7-056
Sample Date		7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	6/17/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample					HR17-OU2-R7-048								
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	45800	4210	15100	13100	19600	61900 J	7290	28600 J	4270	10400	4420	6200
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	92	100	98	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	100	97	56	100	98	99	98	95
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	97	100	100	100	89	42	100	96	96	94	72
Sieve-U.S. Std. No. 10 (2mm)	%	100	83	100	100	97	74	33	100	90	91	84	48
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	61	99	100	77	62	29	100	75	76	58	32
Sieve-U.S. Std. No. 40 (0.425mm)	%	99	42	97	97	39	53	24	99	55	51	31	21
Sieve-U.S. Std. No. 60 (0.25mm)	%	98	22	92	92	13	46	16	99	34	28	16	12
Sieve-U.S. Std. No. 140 (0.106mm)	%	98	5	43	47	4	35	6	95	15	9	5	6
Sieve-U.S. Std. No. 200 (0.075mm)	%	96	4.1	23	24	3.5	32	4.9	92	11	7.4	4.7	4.9
Grain Size Classification													
Gravel	%	0	3	0	0	0	11	58	0	4	4	6	28
Sand	%	4	92.9	77	76	96.5	57	37.1	8	85	88.6	89.3	67.1
Fines	%	96	4.1	23	24	3.5	32	4.9	92	11	7.4	4.7	4.9
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	67.3	0.1	1.7	1.9	0	3.3	0.4	50.7	0.4	0.2	0.1	0.2
Hydrometer, Reading 2, Percent Passing	%	56.3	0.1	1.7	1.9	0	2.8	0.4	44.1	0.3	0.2	0.1	0.2
Hydrometer, Reading 3, Percent Passing	%	42.5	0.1	1.7	1.6	0	2.3	0.4	37.6	0.3	0.2	0.1	0.2
Hydrometer, Reading 4, Percent Passing	%	37.0	0.1	1.3	1.4	0	1.8	0.2	31.0	0.2	0.2	0.1	0.2
Hydrometer, Reading 5, Percent Passing	%	33.4	0	1.1	1.2	0	1.3	0.2	24.5	0.2	0.2	0.1	0.1
Hydrometer, Reading 6, Percent Passing	%	19.6	0	0.7	0.7	0	0.3	0.1	16.3	0.1	0.2	0.1	0
Hydrometer, Reading 7, Percent Passing	%	11.3	0	0.3	0.7	0	0.3	0.1	8.1	0.1	0.1	0.1	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	22.2 U	20.2 U	25.2 U	24.9 U	21.6 U	25.8 U	19.7 U	35.1 UJ	21.3 U	23.9 U	20.9 U	20.2 U
PCB-1221 (Aroclor 1221)	ug/kg	4190	828	733 J	1500 J	1600	27900 J	1810	378 J	72.2	2040	526	5380 J
PCB-1232 (Aroclor 1232)	ug/kg	22.2 U	20.2 U	25.2 U	24.9 U	21.6 U	25.8 U	19.7 U	35.1 UJ	21.3 U	23.9 U	20.9 U	20.2 U
PCB-1242 (Aroclor 1242)	ug/kg	8870	1040	927 J	1720 J	2710	26300 J	3060	697 J	121	3080	960	6560 J
PCB-1248 (Aroclor 1248)	ug/kg	22.2 U	20.2 U	25.2 U	24.9 U	21.6 U	25.8 U	19.7 U	35.1 UJ	21.3 U	23.9 U	20.9 U	20.2 U
PCB-1254 (Aroclor 1254)	ug/kg	796	110	204 J	306 J	210	4550 J	211	137 J	32.7 J	270	81.2	334 J
PCB-1260 (Aroclor 1260)	ug/kg	22.2 U	20.2 U	25.2 U	24.9 U	21.6 U	25.8 U	19.7 U	35.1 UJ	21.3 U	23.9 U	20.9 U	20.2 U
Total PCBs	ug/kg	13900	1980	1860	3530	4520	58800	5080	1210	226	5390	1570	12300
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R7-057	HR17-OU2-R7-058	HR17-OU2-R7-059	HR17-OU2-R7-060	HR17-OU2-R7-061	HR17-OU2-R7-062	HR17-OU2-R7-063	HR17-OU2-R7-064	HR17-OU2-R7-065	HR17-OU2-R7-065	HR17-OU2-R7-066	HR17-OU2-R7-067
Sample Name		HR17-OU2-R7-057	HR17-OU2-R7-058	HR17-OU2-R7-059	HR17-OU2-R7-060	HR17-OU2-R7-061	HR17-OU2-R7-062	HR17-OU2-R7-063	HR17-OU2-R7-064	HR17-OU2-R7-065	HR17-OU2-R7-FD08	HR17-OU2-R7-066	HR17-OU2-R7-067
Sample Date		7/27/2017	7/27/2017	7/27/2017	6/17/2017	7/28/2017	7/28/2017	7/28/2017	7/28/2017	7/28/2017	7/28/2017	7/28/2017	6/17/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample											HR17-OU2-R7-065		
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	1530	701	4550	6800	4930	3490	11700	7190 J	1790 J	12300 J	14300	14000
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	91
Sieve-US Std. 0.75-inch (19 mm)	%	100	98	99	99	100	100	100	95	100	100	100	82
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	88	94	96	100	98	96	91	100	99	96	72
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	75	76	94	96	93	81	85	99	99	79	58
Sieve-U.S. Std. No. 10 (2mm)	%	98	54	61	92	87	82	68	72	94	94	58	42
Sieve-U.S. Std. No. 20 (0.85mm)	%	88	25	51	88	73	60	59	51	60	61	38	32
Sieve-U.S. Std. No. 40 (0.425mm)	%	49	11	38	76	58	36	47	33	25	26	18	24
Sieve-U.S. Std. No. 60 (0.25mm)	%	21	6	19	52	44	19	29	22	8	10	6	15
Sieve-U.S. Std. No. 140 (0.106mm)	%	9	3	10	40	13	5	10	12	1	4	3	11
Sieve-U.S. Std. No. 200 (0.075mm)	%	6.9	3.1	9.0	35	8.7	3.8	7.4	9.8	0.7	3.8	2.7	9.0
Grain Size Classification													
Gravel	%	1	25	24	6	4	7	19	15	1	1	21	42
Sand	%	92.1	71.9	67	59	87.3	89.2	73.6	75.2	98.3	95.2	76.3	49
Fines	%	6.9	3.1	9.0	35	8.7	3.8	7.4	9.8	0.7	3.8	2.7	9.0
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0.3	0.1	0.6	9.4	1.0	0.2	0.8	0.7	0	0.2	0.2	1.4
Hydrometer, Reading 2, Percent Passing	%	0.3	0.1	0.6	7.5	0.7	0.2	0.8	0.7	0	0.2	0.2	1.1
Hydrometer, Reading 3, Percent Passing	%	0.2	0.1	0.6	6.3	0.7	0.2	0.5	0.7	0	0.2	0.2	0.9
Hydrometer, Reading 4, Percent Passing	%	0.1	0	0.6	5.6	0.7	0.2	0.5	0.7	0	0.2	0.1	0.7
Hydrometer, Reading 5, Percent Passing	%	0.1	0	0.6	4.7	0.7	0.2	0.5	0.6	0	0.2	0.1	0.5
Hydrometer, Reading 6, Percent Passing	%	0.1	0	0.4	3.1	0.4	0.1	0.5	0.3	0	0.2	0.1	0.3
Hydrometer, Reading 7, Percent Passing	%	0.1	0	0.4	1.9	0.2	0.1	0.3	0.2	0	0.1	0.1	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	20.9 U	17.6 U	21.3 U	23.8 U	21.7 U	21.3 U	21.8 U	21.5 U	20.6 U	19.2 U	20.9 U	23.4 U
PCB-1221 (Aroclor 1221)	ug/kg	434	32.2 J	4040	358	983	773	1360	140	1540	1880	3570	562
PCB-1232 (Aroclor 1232)	ug/kg	20.9 U	17.6 U	21.3 U	23.8 U	21.7 U	21.3 U	21.8 U	21.5 U	20.6 U	19.2 U	20.9 U	23.4 U
PCB-1242 (Aroclor 1242)	ug/kg	583	82.1	8480	662	1180	1080	1720	130	2900	2900	8220	1020
PCB-1248 (Aroclor 1248)	ug/kg	20.9 U	17.6 U	21.3 U	23.8 U	21.7 U	21.3 U	21.8 U	21.5 U	20.6 U	19.2 U	20.9 U	23.4 U
PCB-1254 (Aroclor 1254)	ug/kg	63.3 J	17.6 U	411	111	107	64.0 J	163	28.3 J	196	199	365	118
PCB-1260 (Aroclor 1260)	ug/kg	20.9 U	17.6 U	21.3 U	23.8 U	21.7 U	21.3 U	21.8 U	21.5 U	20.6 U	19.2 U	20.9 U	23.4 U
Total PCBs	ug/kg	1080	114	12900	1130	2270	1920	3240	298	4640	4980	12200	1700

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample		HR17-OU2-R7-068	HR17-OU2-R7-069	HR17-OU2-R7-070	HR17-OU2-R7-071	HR17-OU2-R7-072	HR17-OU2-R7-073	HR17-OU2-R7-074	HR17-OU2-R7-075	HR17-OU2-R7-076	HR17-OU2-R7-077	HR17-OU2-R7-078	HR17-OU2-R7-079
Analyte													
Unit													
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	8710	2520	19000	11300	24200	6720	5290	6340	3050	19300	6160	9950
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	90	100	100	100	100	100	75
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	88	100	91	100	100	100	62
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	93	75	100	77	100	99	54	50
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	99	100	77	61	100	65	100	95	50	41
Sieve-U.S. Std. No. 10 (2mm)	%	100	98	95	100	59	45	100	57	100	76	41	34
Sieve-U.S. Std. No. 20 (0.85mm)	%	87	78	81	70	41	39	98	52	84	69	35	30
Sieve-U.S. Std. No. 40 (0.425mm)	%	71	33	49	30	27	30	90	47	66	55	29	22
Sieve-U.S. Std. No. 60 (0.25mm)	%	57	12	26	12	15	19	63	36	50	35	22	16
Sieve-U.S. Std. No. 140 (0.106mm)	%	28	5	6	7	6	12	31	15	24	6	11	12
Sieve-U.S. Std. No. 200 (0.075mm)	%	20	5.0	3.8	7.1	4.6	9.9	27	10	20	0.8	8.8	9.4
Grain Size Classification													
Gravel	%	0	0	1	0	23	39	0	35	0	5	50	59
Sand	%	80	95	95.2	92.9	72.4	51.1	73	55	80	94.2	41.2	31.6
Fines	%	20	5.0	3.8	7.1	4.6	9.9	27	10	20	0.8	8.8	9.4
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	2.4	0.3	0.2	0.4	0.4	0.9	3.4	1.1	2.1	0	0.9	1.4
Hydrometer, Reading 2, Percent Passing	%	2.2	0.3	0.2	0.4	0.4	0.9	3.4	1.1	2.1	0	0.9	1.2
Hydrometer, Reading 3, Percent Passing	%	2.0	0.3	0.2	0.4	0.3	0.7	3.2	1.1	2.1	0	0.9	1.1
Hydrometer, Reading 4, Percent Passing	%	2.0	0.3	0.2	0.3	0.3	0.6	2.6	0.9	1.8	0	0.8	0.9
Hydrometer, Reading 5, Percent Passing	%	1.8	0.3	0.2	0.3	0.2	0.5	2.2	0.6	1.6	0	0.8	0.7
Hydrometer, Reading 6, Percent Passing	%	0.9	0.1	0.1	0.3	0.2	0.4	1.5	0.6	1.1	0	0.4	0.5
Hydrometer, Reading 7, Percent Passing	%	0.5	0.1	0.1	0.2	0.1	0.1	0.9	0.2	0.4	0	0.4	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	21.9 U	20.2 U	20.6 U	19.2 U	20.1 U	19.5 U	22.2 U	21.5 U	20.7 U	19.2 U	21.4 U	21.4 U
PCB-1221 (Aroclor 1221)	ug/kg	285	890	1260	2240	1870	716	1240	1640	151	2770	59.5 J	1070
PCB-1232 (Aroclor 1232)	ug/kg	21.9 U	20.2 U	20.6 U	19.2 U	20.1 U	19.5 U	22.2 U	21.5 U	20.7 U	19.2 U	21.4 U	21.4 U
PCB-1242 (Aroclor 1242)	ug/kg	240	1590	1420	3720	5090	1120	1190	2020	171	5780	93.8	2340
PCB-1248 (Aroclor 1248)	ug/kg	21.9 U	20.2 U	20.6 U	19.2 U	20.1 U	19.5 U	22.2 U	21.5 U	20.7 U	19.2 U	21.4 U	21.4 U
PCB-1254 (Aroclor 1254)	ug/kg	40.9 J	109	135	238	350	86.9	102	167	31.3 J	408	26.0 J	301
PCB-1260 (Aroclor 1260)	ug/kg	21.9 U	20.2 U	20.6 U	19.2 U	20.1 U	19.5 U	22.2 U	21.5 U	20.7 U	19.2 U	21.4 U	21.4 U
Total PCBs	ug/kg	566	2590	2820	6200	7310	1920	2530	3830	353	8960	179	3710

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R7-080	HR17-OU2-R7-081	HR17-OU2-R7-082	HR17-OU2-R7-083	HR17-OU2-R7-084	HR17-OU2-R7-085	HR17-OU2-R7-086	HR17-OU2-R7-087	HR17-OU2-R7-087	HR17-OU2-R7-088	HR17-OU2-R7-089	HR17-OU2-R7-089
Sample Name		HR17-OU2-R7-080	HR17-OU2-R7-081	HR17-OU2-R7-082	HR17-OU2-R7-083	HR17-OU2-R7-084	HR17-OU2-R7-085	HR17-OU2-R7-086	HR17-OU2-R7-087	HR17-OU2-R7-FD11	HR17-OU2-R7-088	HR17-OU2-R7-089	HR17-OU2-R7-FD02
Sample Date		7/28/2017	8/1/2017	8/1/2017	6/17/2017	8/1/2017	6/17/2017	8/1/2017	7/31/2017	7/31/2017	8/1/2017	6/17/2017	6/17/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample										HR17-OU2-R7-087			HR17-OU2-R7-089
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	10700	19900	24800	13600	1480	3960	2770	4030	3080	6930	4020	3050
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	81	91	93	96	100	100	100	96	87
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	71	91	88	92	99	100	99	89	80
Sieve-US Std. 0.375-inch (9.5 mm)	%	99	100	100	61	88	76	76	90	87	92	79	71
Sieve-U.S. Std. No. 4 (4.75mm)	%	96	98	100	50	80	60	62	80	78	82	68	62
Sieve-U.S. Std. No. 10 (2mm)	%	90	88	100	42	69	43	50	71	69	76	59	54
Sieve-U.S. Std. No. 20 (0.85mm)	%	75	64	99	37	46	34	41	57	56	70	52	48
Sieve-U.S. Std. No. 40 (0.425mm)	%	51	40	97	26	38	20	28	35	37	46	20	19
Sieve-U.S. Std. No. 60 (0.25mm)	%	30	33	94	19	23	15	14	21	24	40	15	14
Sieve-U.S. Std. No. 140 (0.106mm)	%	11	31	67	13	6	11	9	4	5	38	10	10
Sieve-U.S. Std. No. 200 (0.075mm)	%	8.7	31	58	11	4.7	8.9	9.1	2.4	3.3	37	8.0	8.0
Grain Size Classification													
Gravel	%	4	2	0	50	20	40	38	20	22	18	32	38
Sand	%	87.3	67	42	39	75.3	51.1	52.9	77.6	74.7	45	60	54
Fines	%	8.7	31	58	11	4.7	8.9	9.1	2.4	3.3	37	8.0	8.0
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0.9	1.2	6.0	1.7	0.2	1.1	0.5	0.3	0.3	3.2	0.8	0.6
Hydrometer, Reading 2, Percent Passing	%	0.9	1.2	5.1	1.3	0.2	1.0	0.4	0.3	0.3	2.3	0.7	0.6
Hydrometer, Reading 3, Percent Passing	%	0.9	1.2	4.2	1.2	0.1	0.7	0.4	0.3	0.2	2.3	0.5	0.5
Hydrometer, Reading 4, Percent Passing	%	0.9	1.0	3.6	0.9	0.1	0.7	0.4	0.3	0.2	2.3	0.5	0.4
Hydrometer, Reading 5, Percent Passing	%	0.7	1.0	3.6	0.7	0.1	0.5	0.4	0.3	0	2.3	0.3	0.3
Hydrometer, Reading 6, Percent Passing	%	0.5	0.5	2.2	0.3	0.1	0.3	0.2	0.2	0	2.0	0.2	0.2
Hydrometer, Reading 7, Percent Passing	%	0.3	0.5	2.2	0	0.1	0	0.2	0.2	0	2.0	0	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	20.8 U	18.8 U	25.6 U	23.0 U	19.5 U	20.6 U	19.2 U	20.3 U	20.2 U	19.2 U	20.1 U	21.1 U
PCB-1221 (Aroclor 1221)	ug/kg	3890 J	1450	993	550	61.2 J	650	723	1550	1810	860	551	496
PCB-1232 (Aroclor 1232)	ug/kg	20.8 U	18.8 U	25.6 U	23.0 U	19.5 U	20.6 U	19.2 U	20.3 U	20.2 U	19.2 U	20.1 U	21.1 U
PCB-1242 (Aroclor 1242)	ug/kg	3820 J	3910	1890	965	113	1210	1820	1240	1620	1310	844 J	1410 J
PCB-1248 (Aroclor 1248)	ug/kg	20.8 U	18.8 U	25.6 U	23.0 U	19.5 U	20.6 U	19.2 U	20.3 U	20.2 U	19.2 U	20.1 U	21.1 U
PCB-1254 (Aroclor 1254)	ug/kg	321 J	271	613	131	19.5 U	119	123	119	169	96.2	73.3	126
PCB-1260 (Aroclor 1260)	ug/kg	20.8 U	18.8 U	25.6 U	23.0 U	19.5 U	20.6 U	19.2 U	20.3 U	20.2 U	19.2 U	20.1 U	21.1 U
Total PCBs	ug/kg	8030	5630	3500	1650	174	1980	2670	2910	3600	2270	1470	2030
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R7-090	HR17-OU2-R7-092	HR17-OU2-R7-093	HR17-OU2-R7-094	HR17-OU2-R7-095	HR17-OU2-R7-096	HR17-OU2-R7-097	HR17-OU2-R7-098	HR17-OU2-R7-098	HR17-OU2-R7-099	HR17-OU2-R7-100	HR17-OU2-R7-101
Sample Name		HR17-OU2-R7-090	HR17-OU2-R7-092	HR17-OU2-R7-093	HR17-OU2-R7-094	HR17-OU2-R7-095	HR17-OU2-R7-096	HR17-OU2-R7-097	HR17-OU2-R7-098	HR17-OU2-R7-FD10	HR17-OU2-R7-099	HR17-OU2-R7-100	HR17-OU2-R7-101
Sample Date		7/31/2017	7/31/2017	7/31/2017	8/1/2017	7/31/2017	8/1/2017	6/17/2017	7/31/2017	7/31/2017	7/29/2017	7/29/2017	7/31/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample										HR17-OU2-R7-098			
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	8640	15900	5040	1390	19200	2330	10600	30200	24100	6170	2050	57200 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	76	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	76	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	96	96	100	100	75	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	96	96	100	100	73	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	91	91	99	100	65	100	100	98	93	98
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	86	80	98	100	58	100	100	87	81	96
Sieve-U.S. Std. No. 10 (2mm)	%	100	98	74	67	97	100	53	99	100	70	59	94
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	96	56	33	95	67	43	98	98	43	33	87
Sieve-U.S. Std. No. 40 (0.425mm)	%	96	90	40	7	91	28	29	96	96	19	17	73
Sieve-U.S. Std. No. 60 (0.25mm)	%	85	78	28	4	74	20	25	92	93	11	9	57
Sieve-U.S. Std. No. 140 (0.106mm)	%	28	40	15	1	25	6	16	73	73	8	2	32
Sieve-U.S. Std. No. 200 (0.075mm)	%	16	32	10	1.3	16	4.6	12	62	62	7.7	1.5	26
Grain Size Classification													
Gravel	%	0	0	14	20	2	0	42	0	0	13	19	4
Sand	%	84	68	76	78.7	82	95.4	46	38	38	79.3	79.5	70
Fines	%	16	32	10	1.3	16	4.6	12	62	62	7.7	1.5	26
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	1.4	9.3	1.6	0.1	2.4	0.3	1.7	24.3	21.2	0.2	0.2	4.8
Hydrometer, Reading 2, Percent Passing	%	1.4	8.6	1.5	0.1	2.4	0.3	1.7	19.7	17.2	0.1	0.1	4.3
Hydrometer, Reading 3, Percent Passing	%	1.4	7.4	1.2	0.1	2.2	0.2	1.2	17.4	13.2	0.1	0.1	3.5
Hydrometer, Reading 4, Percent Passing	%	1.3	6.2	1.2	0	1.9	0.2	1.0	13.4	11.2	0.1	0.1	2.7
Hydrometer, Reading 5, Percent Passing	%	0.3	5.9	1.2	0	1.6	0.2	0.7	13.4	11.2	0.1	0	2.7
Hydrometer, Reading 6, Percent Passing	%	0.3	3.8	1.1	0	1.1	0.1	0.4	8.9	7.2	0.1	0	1.0
Hydrometer, Reading 7, Percent Passing	%	0.3	3.8	1.1	0	0.9	0.1	0	8.3	2.3	0	0	1.0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	23.5 U	25.2 U	20.2 U	19.4 U	25.5 U	20.5 U	24.1 U	31.2 U	31.6 U	19.6 U	18.5 U	32.5 UJ
PCB-1221 (Aroclor 1221)	ug/kg	1030	482	40.0 J	733	624	20.5 U	651	1250	1120	1720	87.6	49.3 J
PCB-1232 (Aroclor 1232)	ug/kg	23.5 U	25.2 U	20.2 U	19.4 U	25.5 U	20.5 U	24.1 U	31.2 U	31.6 U	19.6 U	18.5 U	32.5 UJ
PCB-1242 (Aroclor 1242)	ug/kg	1130	561	58.9 J	1840	860	20.5 U	1140	1960	1660	2580	104	70.9 J
PCB-1248 (Aroclor 1248)	ug/kg	23.5 U	25.2 U	20.2 U	19.4 U	25.5 U	20.5 U	24.1 U	31.2 U	31.6 U	19.6 U	18.5 U	32.5 UJ
PCB-1254 (Aroclor 1254)	ug/kg	208	103	28.2 J	133	201	20.5 U	123	420	355	131	18.5 U	32.5 UJ
PCB-1260 (Aroclor 1260)	ug/kg	23.5 U	25.2 U	20.2 U	19.4 U	25.5 U	20.5 U	24.1 U	31.2 U	31.6 U	19.6 U	18.5 U	32.5 UJ
Total PCBs	ug/kg	2370	1150	127	2710	1690	ND	1910	3630	3140	4430	192	120

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2B Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 7, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R7-102	HR17-OU2-R7-103	HR17-OU2-R7-104	HR17-OU2-R7-105	HR17-OU2-R7-106	HR17-OU2-R7-107	HR17-OU2-R7-109	HR17-OU2-R7-110	HR17-OU2-R7-110	HR17-OU2-R7-112
Sample Name		HR17-OU2-R7-102	HR17-OU2-R7-103	HR17-OU2-R7-104	HR17-OU2-R7-105	HR17-OU2-R7-106	HR17-OU2-R7-107	HR17-OU2-R7-109	HR17-OU2-R7-110	HR17-OU2-R7-FD09	HR17-OU2-R7-112
Sample Date		7/29/2017	7/29/2017	7/31/2017	6/17/2017	7/31/2017	7/29/2017	7/29/2017	7/29/2017	7/29/2017	7/22/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample										HR17-OU2-R7-110	
Analyte	Unit										
Total Organic Carbon (LLOYD KAHN)											
Total Organic Carbon	mg/kg	11700 J	14500	22100	4620	23600	14200	2470	29300	27700	8290
Grain Size (D422)											
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	98	100	100	100	98
Sieve-US Std. 0.75-inch (19 mm)	%	100	94	100	100	100	94	100	100	100	97
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	91	100	97	99	75	85	100	100	93
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	81	100	95	99	54	68	100	100	87
Sieve-U.S. Std. No. 10 (2mm)	%	100	73	99	91	98	42	53	98	99	75
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	65	98	55	96	29	42	95	97	51
Sieve-U.S. Std. No. 40 (0.425mm)	%	98	47	94	31	94	20	29	93	94	37
Sieve-U.S. Std. No. 60 (0.25mm)	%	96	20	84	26	90	17	14	89	92	23
Sieve-U.S. Std. No. 140 (0.106mm)	%	55	8	43	17	72	10	6	68	73	11
Sieve-U.S. Std. No. 200 (0.075mm)	%	39	7.0	32	15	61	8.4	5.8	60	61	9.8
Grain Size Classification											
Gravel	%	0	19	0	5	1	46	32	0	0	13
Sand	%	61	74	68	80	38	45.6	62.2	40	39	77.2
Fines	%	39	7.0	32	15	61	8.4	5.8	60	61	9.8
Hydrometer Readings (D422)											
Hydrometer, Reading 1, Percent Passing	%	4.4	0.2	5.3	1.9	15.2	0.5	0.1	13.7	13.1	1.0
Hydrometer, Reading 2, Percent Passing	%	3.9	0.2	5.3	1.5	14.7	0.5	0.1	11.1	12.6	0.9
Hydrometer, Reading 3, Percent Passing	%	2.9	0.2	4.7	1.3	11.2	0.5	0.1	6.8	8.2	0.8
Hydrometer, Reading 4, Percent Passing	%	2.6	0.1	3.8	1.1	10.2	0.4	0.1	6.4	8.2	0.6
Hydrometer, Reading 5, Percent Passing	%	1.8	0	3.6	0.8	10.2	0.4	0	4.6	6.0	0.6
Hydrometer, Reading 6, Percent Passing	%	1.3	0	1.9	0.4	6.2	0.2	0	2.9	4.3	0.6
Hydrometer, Reading 7, Percent Passing	%	0.2	0	1.0	0	6.2	0.1	0	2.5	3.8	0.2
PCBs (SW8082A)											
PCB-1016 (Aroclor 1016)	ug/kg	25.1 U	20.4 U	31.1 U	21.1 U	29.1 U	21.1 U	19.0 U	28.6 U	28.0 U	22.8 U
PCB-1221 (Aroclor 1221)	ug/kg	896	3480	752	365	635	1400	940	1160	1340	1440
PCB-1232 (Aroclor 1232)	ug/kg	25.1 U	20.4 U	31.1 U	21.1 U	29.1 U	21.1 U	19.0 U	28.6 U	28.0 U	22.8 U
PCB-1242 (Aroclor 1242)	ug/kg	1670 J	3680	708	703	1360	2820	1720	1770	1910	2240
PCB-1248 (Aroclor 1248)	ug/kg	25.1 U	20.4 U	31.1 U	21.1 U	29.1 U	21.1 U	19.0 U	28.6 U	28.0 U	22.8 U
PCB-1254 (Aroclor 1254)	ug/kg	187	299	126	78.9	338	176	121	319	334	218
PCB-1260 (Aroclor 1260)	ug/kg	25.1 U	20.4 U	31.1 U	21.1 U	29.1 U	21.1 U	19.0 U	28.6 U	28.0 U	22.8 U
Total PCBs	ug/kg	2750	7460	1590	1150	2330	4400	2780	3250	3580	3900
Notes:											
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.											
U = Indicates the analyte was not detected greater than the laboratory reporting limit.											
ug/kg = Micrograms per Kilogram											
mg/kg = Milligrams per Kilogram											
NA = Not Analyzed, ND = Non-detect											
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.											
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.											

Table 3-2C Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 6, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R6-001	HR17-OU2-R6-002	HR17-OU2-R6-003	HR17-OU2-R6-004	HR17-OU2-R6-004	HR17-OU2-R6-005	HR17-OU2-R6-006	HR17-OU2-R6-007	HR17-OU2-R6-008	HR17-OU2-R6-010	HR17-OU2-R6-011	HR17-OU2-R6-012	HR17-OU2-R6-013	
Sample Name	HR17-OU2-R6-001	HR17-OU2-R6-002	HR17-OU2-R6-003	HR17-OU2-R6-004	HR17-OU2-R6-FD01	HR17-OU2-R6-005	HR17-OU2-R6-006	HR17-OU2-R6-007	HR17-OU2-R6-008	HR17-OU2-R6-010	HR17-OU2-R6-011	HR17-OU2-R6-012	HR17-OU2-R6-013	
Sample Date	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	7/27/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample					HR17-OU2-R6-004									
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	42600 J	32800 J	31600 J	15700	13300	35400	34800 J	25100	27000 J	16200 J	44300 J	36400	35300 J
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	96	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	96	99	99	94	95	100	100	100	95	100	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	89	99	99	91	92	100	100	98	93	100	100	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	77	99	98	87	88	100	98	96	89	99	100	100	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	62	98	96	82	81	99	97	91	82	98	100	99	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	46	97	93	70	68	97	94	90	70	96	99	96	96
Sieve-U.S. Std. No. 60 (0.25mm)	%	28	92	85	61	58	95	88	86	54	84	98	93	94
Sieve-U.S. Std. No. 140 (0.106mm)	%	12	77	65	43	40	88	76	71	34	49	88	81	84
Sieve-U.S. Std. No. 200 (0.075mm)	%	11	72	59	37	35	84	71	63	30	41	79	77	80
Grain Size Classification														
Gravel	%	11	1	1	9	8	0	0	2	7	0	0	0	0
Sand	%	78	27	40	54	57	16	29	35	63	59	21	23	20
Fines	%	11	72	59	37	35	84	71	63	30	41	79	77	80
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.3	30.8	19.2	5.8	8.2	43.3	28.9	18.8	5.7	7.5	34.4	41.7	38.7
Hydrometer, Reading 2, Percent Passing	%	0.2	28.1	15.9	5.8	5.6	37.3	27.5	15.8	5.0	7.0	26.0	39.4	34.5
Hydrometer, Reading 3, Percent Passing	%	0.1	21.3	12.7	5.5	4.9	28.2	24.7	14.6	4.5	6.1	17.0	31.1	26.8
Hydrometer, Reading 4, Percent Passing	%	0.1	17.2	11.6	5.5	4.0	23.7	19.1	12.8	4.5	5.5	13.5	23.6	23.3
Hydrometer, Reading 5, Percent Passing	%	0.1	15.9	10.0	5.0	4.0	16.9	16.3	10.4	3.6	3.2	10.7	18.3	18.4
Hydrometer, Reading 6, Percent Passing	%	0.1	8.4	5.1	2.7	2.4	11.6	7.9	5.6	1.7	2.1	3.7	13.0	11.4
Hydrometer, Reading 7, Percent Passing	%	0.1	4.3	2.9	1.5	1.4	8.6	3.7	3.8	1.2	1.5	1.6	7.8	5.1
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	50.9 UJ	41.1 UJ	40.9 UJ	28.8 U	27.9 U	46.6 R	41.7 UJ	29.7 U	45.8 UJ	32.4 UJ	41.3 UJ	39.8 UJ	42.9 UJ
PCB-1221 (Aroclor 1221)	ug/kg	2500 J	1830 J	1460 J	589	659	185 J	1520 J	2010	1690 J	529 J	457 J	382 J	911 J
PCB-1232 (Aroclor 1232)	ug/kg	50.9 UJ	41.1 UJ	40.9 UJ	28.8 U	27.9 U	46.6 R	41.7 UJ	29.7 U	45.8 UJ	32.4 UJ	41.3 UJ	39.8 UJ	42.9 UJ
PCB-1242 (Aroclor 1242)	ug/kg	3250 J	2540 J	1960 J	963	993	1310 J	2290 J	2650	2140 J	795 J	871 J	1270 J	1350 J
PCB-1248 (Aroclor 1248)	ug/kg	50.9 UJ	41.1 UJ	40.9 UJ	28.8 U	27.9 U	46.6 R	41.7 UJ	29.7 U	45.8 UJ	32.4 UJ	41.3 UJ	39.8 UJ	42.9 UJ
PCB-1254 (Aroclor 1254)	ug/kg	448 J	389 J	268 J	189	170	315 J	349 J	378	320 J	145 J	217 J	237 J	228 J
PCB-1260 (Aroclor 1260)	ug/kg	50.9 UJ	41.1 UJ	40.9 UJ	28.8 U	27.9 U	46.6 R	41.7 UJ	29.7 U	45.8 UJ	32.4 UJ	41.3 UJ	39.8 UJ	42.9 UJ
Total PCBs	ug/kg	6198	4760	3690	1740	1820	1810	4160	5040	4150	1470	1550	1890	2490

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2C Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 6, Hudson River PCB Sediments Site OU-2, New York

Location ID	Sample Name	Sample Date	Sample Depth Interval	Parent Sample	HR17-OU2-R6-015	HR17-OU2-R6-016	HR17-OU2-R6-016	HR17-OU2-R6-018	HR17-OU2-R6-018	HR17-OU2-R6-020	HR17-OU2-R6-021	HR17-OU2-R6-022	HR17-OU2-R6-025	HR17-OU2-R6-026	HR17-OU2-R6-027	HR17-OU2-R6-028	HR17-OU2-R6-030
					HR17-OU2-R6-015	HR17-OU2-R6-016	HR17-OU2-R6-FD05	HR17-OU2-R6-018	HR17-OU2-R6-FD03	HR17-OU2-R6-020	HR17-OU2-R6-021	HR17-OU2-R6-022	HR17-OU2-R6-025	HR17-OU2-R6-026	HR17-OU2-R6-027	HR17-OU2-R6-028	HR17-OU2-R6-030
					7/31/2017	7/31/2017	7/31/2017	7/29/2017	7/29/2017	7/31/2017	7/28/2017	7/28/2017	8/23/2017	7/28/2017	7/28/2017	7/28/2017	7/28/2017
					0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-1.5 inches	0-2 inches	0-2 inches	0-2 inches
Analyte	Unit																
Total Organic Carbon (LLOYD KAHN)																	
Total Organic Carbon	mg/kg	11400	4090	4300	4830 J	19000 J	18000	27400	37300 J	26400 J	3780	4940	23300 J	12600			
Grain Size (D422)																	
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	99	100	100	100	100	100	100	100	100	100	100	99	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	98	100	100	99	99	100	99	100	100	100	100	96	100	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	95	100	100	94	95	98	99	100	100	100	100	92	100	99	99	94
Sieve-U.S. Std. No. 10 (2mm)	%	80	99	99	82	82	91	97	100	100	100	100	85	100	99	99	85
Sieve-U.S. Std. No. 20 (0.85mm)	%	33	98	98	59	61	84	92	95	98	98	98	61	78	97	97	68
Sieve-U.S. Std. No. 40 (0.425mm)	%	12	87	88	33	36	71	84	91	98	98	98	29	23	92	92	55
Sieve-U.S. Std. No. 60 (0.25mm)	%	5	56	64	20	23	50	73	87	94	14	9	85	30			
Sieve-U.S. Std. No. 140 (0.106mm)	%	2	19	38	13	22	31	47	76	83	7	5	71	12			
Sieve-U.S. Std. No. 200 (0.075mm)	%	2.1	13	36	12	22	28	41	73	78	6.6	4.3	66	11			
Grain Size Classification																	
Gravel	%	5	0	0	6	5	2	1	0	0	8	0	1	6			
Sand	%	92.9	87	64	82	73	70	58	27	22	85.4	95.7	33	83			
Fines	%	2.1	13	36	12	22	28	41	73	78	6.6	4.3	66	11			
Hydrometer Readings (D422)																	
Hydrometer, Reading 1, Percent Passing	%	0.2	2.3	3.5	1.0	1.1	7.4	8.2	34.0	26.6	0.5	0.3	25.2	1.3			
Hydrometer, Reading 2, Percent Passing	%	0.2	1.9	3.2	0.8	1.1	6.5	7.8	34.0	22.5	0.5	0.3	21.8	1.2			
Hydrometer, Reading 3, Percent Passing	%	0.1	1.5	3.0	0.8	0.7	5.1	7.0	27.0	18.4	0.5	0.3	17.3	0.9			
Hydrometer, Reading 4, Percent Passing	%	0.1	1.5	2.5	0.7	0.7	5.1	5.8	24.9	15.5	0.5	0.3	14.5	0.9			
Hydrometer, Reading 5, Percent Passing	%	0.1	1.5	2.5	0.6	0.4	4.2	3.4	20.0	11.4	0.5	0.1	10.5	0.8			
Hydrometer, Reading 6, Percent Passing	%	0.1	1.4	1.3	0.3	0.2	2.8	2.6	14.4	9.0	0.4	0.1	7.1	0.6			
Hydrometer, Reading 7, Percent Passing	%	0	1.0	1.3	0.2	0.2	2.2	1.0	8.1	5.5	0.2	0.1	2.6	0.4			
PCBs (SW8082A)																	
PCB-1016 (Aroclor 1016)	ug/kg	20.2 U	21.4 U	21.4 U	20.0 U	20.3 U	26.0 U	28.0 U	48.2 UJ	51.6 UJ	20.6 U	20.9 U	36.3 UJ	21.7 U			
PCB-1221 (Aroclor 1221)	ug/kg	1300	93.4 J	168 J	1010	1170	240	1520	513 J	446 J	585	636	166 J	1710			
PCB-1232 (Aroclor 1232)	ug/kg	20.2 U	21.4 U	21.4 U	20.0 U	20.3 U	26.0 U	28.0 U	48.2 UJ	51.6 UJ	20.6 U	20.9 U	36.3 UJ	21.7 U			
PCB-1242 (Aroclor 1242)	ug/kg	2580	156	215	1700	1880	293	1730	586 J	551 J	1410	700	195 J	3370			
PCB-1248 (Aroclor 1248)	ug/kg	20.2 U	21.4 U	21.4 U	20.0 U	20.3 U	26.0 U	28.0 U	48.2 UJ	51.6 UJ	20.6 U	20.9 U	36.3 UJ	21.7 U			
PCB-1254 (Aroclor 1254)	ug/kg	201	23.4 J	32.1 J	135	158	70.4 J	198	97.6 J	146 J	126	74.8	63.9 J	261			
PCB-1260 (Aroclor 1260)	ug/kg	20.2 U	21.4 U	21.4 U	20.0 U	20.3 U	26.0 U	28.0 U	48.2 UJ	51.6 UJ	20.6 U	20.9 U	36.3 UJ	21.7 U			
Total PCBs	ug/kg	4080	273	415	2850	3210	603	3450	1200	1140	2120	1410	425	5340			

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2C Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 6, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R6-031	HR17-OU2-R6-032	HR17-OU2-R6-033	HR17-OU2-R6-034	HR17-OU2-R6-035	HR17-OU2-R6-036	HR17-OU2-R6-037	HR17-OU2-R6-038	HR17-OU2-R6-039	HR17-OU2-R6-040	HR17-OU2-R6-040	HR17-OU2-R6-041	HR17-OU2-R6-042	
Sample Name	HR17-OU2-R6-031	HR17-OU2-R6-032	HR17-OU2-R6-033	HR17-OU2-R6-034	HR17-OU2-R6-035	HR17-OU2-R6-036	HR17-OU2-R6-037	HR17-OU2-R6-038	HR17-OU2-R6-039	HR17-OU2-R6-040	HR17-OU2-R6-FD02	HR17-OU2-R6-041	HR17-OU2-R6-042	
Sample Date	8/23/2017	7/28/2017	7/28/2017	7/28/2017	7/28/2017	7/28/2017	7/28/2017	7/29/2017	7/29/2017	7/29/2017	7/29/2017	7/29/2017	7/29/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample											HR17-OU2-R6-040			
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	14400	1770	15400	17100 J	32600 J	18100 J	2460	15400	28500 J	53000	48200	44200 J	8980
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	92	100	100	99	100	100	100	100	98	99	99	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	84	100	100	97	100	99	100	98	94	98	96	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	71	99	100	92	100	99	99	93	88	91	91	99	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	58	73	90	77	94	97	80	68	84	78	77	94	94
Sieve-U.S. Std. No. 40 (0.425mm)	%	42	60	76	54	87	96	24	51	81	58	59	92	62
Sieve-U.S. Std. No. 60 (0.25mm)	%	30	48	61	29	77	96	6	42	79	44	45	89	32
Sieve-U.S. Std. No. 140 (0.106mm)	%	23	42	40	13	61	91	1	20	72	33	33	79	26
Sieve-U.S. Std. No. 200 (0.075mm)	%	22	40	37	11	57	87	1.3	15	67	32	32	73	24
Grain Size Classification														
Gravel	%	16	0	0	3	0	1	0	2	6	2	4	0	0
Sand	%	62	60	63	86	43	12	98.7	83	27	66	64	27	76
Fines	%	22	40	37	11	57	87	1.3	15	67	32	32	73	24
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	3.6	2.7	9.4	1.0	21.7	63.0	0.1	2.5	23.7	5.7	5.8	29.3	2.9
Hydrometer, Reading 2, Percent Passing	%	3.6	2.7	8.2	0.9	19.4	58.8	0.1	1.9	23.7	5.3	5.8	26.7	2.7
Hydrometer, Reading 3, Percent Passing	%	2.9	2.5	5.7	0.9	17.2	52.9	0.1	1.7	14.7	4.5	4.7	18.9	2.2
Hydrometer, Reading 4, Percent Passing	%	2.5	2.2	5.4	0.9	11.5	46.9	0.1	1.3	11.5	3.3	3.0	14.9	1.7
Hydrometer, Reading 5, Percent Passing	%	1.6	1.8	4.8	0.9	10.4	44.4	0.1	0.9	8.9	3.3	3.0	13.0	1.5
Hydrometer, Reading 6, Percent Passing	%	1.0	1.4	3.2	0.7	7.6	32.6	0	0.6	6.3	1.7	1.9	8.4	0.7
Hydrometer, Reading 7, Percent Passing	%	0.5	1.4	1.7	0.5	3.7	22.4	0	0.4	3.8	1.5	1.0	5.1	0.5
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	32.0 U	21.3 U	25.8 U	25.8 U	31.9 UJ	31.8 UJ	20.8 U	24.7 U	39.4 UJ	29.1 U	28.7 U	41.5 UJ	23.8 U
PCB-1221 (Aroclor 1221)	ug/kg	308	705	346	10300 J	811 J	317 J	825	1500	605 J	8170 J	6770 J	417 J	593
PCB-1232 (Aroclor 1232)	ug/kg	32.0 U	21.3 U	25.8 U	25.8 U	31.9 UJ	31.8 UJ	20.8 U	24.7 U	39.4 UJ	29.1 U	28.7 U	41.5 UJ	23.8 U
PCB-1242 (Aroclor 1242)	ug/kg	350	818	463	6320 J	962 J	322 J	1720	1840	708 J	9480 J	8080 J	512 J	924
PCB-1248 (Aroclor 1248)	ug/kg	32.0 U	21.3 U	25.8 U	25.8 U	31.9 UJ	31.8 UJ	20.8 U	24.7 U	39.4 UJ	29.1 U	28.7 U	41.5 UJ	23.8 U
PCB-1254 (Aroclor 1254)	ug/kg	77.3 J	66.0 J	94.1	609 J	172 J	69.1 J	130	258	185 J	1440 J	1100 J	101 J	93.9
PCB-1260 (Aroclor 1260)	ug/kg	32.0 U	21.3 U	25.8 U	25.8 U	31.9 UJ	31.8 UJ	20.8 U	24.7 U	39.4 UJ	29.1 U	28.7 U	41.5 UJ	23.8 U
Total PCBs	ug/kg	735	1590	903	17200	1950	708	2680	3600	1500	19100	16000	1030	1610

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2C Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 6, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R6-043	HR17-OU2-R6-044	HR17-OU2-R6-045	HR17-OU2-R6-046	HR17-OU2-R6-047	HR17-OU2-R6-048	HR17-OU2-R6-049	HR17-OU2-R6-049	HR17-OU2-R6-050	HR17-OU2-R6-052	HR17-OU2-R6-053	HR17-OU2-R6-054	HR17-OU2-R6-056	
Sample Name	HR17-OU2-R6-043	HR17-OU2-R6-044	HR17-OU2-R6-045	HR17-OU2-R6-046	HR17-OU2-R6-047	HR17-OU2-R6-048	HR17-OU2-R6-049	HR17-OU2-R6-FD04	HR17-OU2-R6-050	HR17-OU2-R6-052	HR17-OU2-R6-053	HR17-OU2-R6-054	HR17-OU2-R6-056	
Sample Date	7/31/2017	7/29/2017	7/29/2017	7/29/2017	7/31/2017	7/29/2017	7/31/2017	7/31/2017	7/31/2017	7/31/2017	7/31/2017	8/1/2017	8/1/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample								HR17-OU2-R6-049						
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	27400 J	7950	14200	11100	8580 J	6100	3340 J	1150 J	12600	6740	11000	826	23300
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	100	100	100	100	100	100	99	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	99	100	100	99	100	100	100	99	97	99	100	
Sieve-U.S. Std. No. 10 (2mm)	%	100	98	99	99	97	98	98	97	99	94	96	100	
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	84	94	97	68	93	78	68	94	47	88	95	
Sieve-U.S. Std. No. 40 (0.425mm)	%	96	53	77	84	23	60	22	14	75	7	64	92	
Sieve-U.S. Std. No. 60 (0.25mm)	%	95	35	51	52	14	47	3	2	47	3	55	87	
Sieve-U.S. Std. No. 140 (0.106mm)	%	90	28	39	27	12	44	1	1	32	2	38	55	
Sieve-U.S. Std. No. 200 (0.075mm)	%	84	26	37	25	10	43	0.8	0.4	28	1.8	32	37	
Grain Size Classification														
Gravel	%	0	1	0	0	1	0	0	0	0	1	3	1	0
Sand	%	16	73	63	75	89	57	99.2	99.6	72	97.2	65	98.3	63
Fines	%	84	26	37	25	10	43	0.8	0.4	28	1.8	32	0.7	37
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	42.4	1.3	5.9	3.0	1.7	2.4	0	0	4.5	0.1	6.5	0	12.3
Hydrometer, Reading 2, Percent Passing	%	39.5	1.2	5.4	2.9	1.3	2.2	0	0	3.9	0.1	6.0	0	10.6
Hydrometer, Reading 3, Percent Passing	%	29.3	1.2	4.5	2.9	1.1	1.3	0	0	2.1	0	3.9	0	7.3
Hydrometer, Reading 4, Percent Passing	%	25.7	1.0	3.0	2.2	1.0	1.1	0	0	2.1	0	3.1	0	6.1
Hydrometer, Reading 5, Percent Passing	%	22.8	1.0	2.6	2.2	0.9	1.1	0	0	1.3	0	2.8	0	4.6
Hydrometer, Reading 6, Percent Passing	%	14.1	0.9	1.6	1.3	0.8	0.6	0	0	1.1	0	1.7	0	3.2
Hydrometer, Reading 7, Percent Passing	%	10.5	0.1	1.1	0.8	0.8	0.2	0	0	0.5	0	1.7	0	1.5
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	35.4 UJ	1.8 U	27.3 U	23.2 U	22.5 U	20.3 U	18.2 U	18.8 U	22.8 U	18.5 U	24.1 U	18.3 U	29.2 U
PCB-1221 (Aroclor 1221)	ug/kg	320 J	55.2	160	1020	699	346	302	371	176	1160	667	897	568
PCB-1232 (Aroclor 1232)	ug/kg	35.4 UJ	1.8 U	27.3 U	23.2 U	22.5 U	20.3 U	18.2 U	18.8 U	22.8 U	18.5 U	24.1 U	18.3 U	29.2 U
PCB-1242 (Aroclor 1242)	ug/kg	361 J	96.8	197	1110	1270 J	734	883	941	187	2120	758	2760	594
PCB-1248 (Aroclor 1248)	ug/kg	35.4 UJ	1.8 U	27.3 U	23.2 U	22.5 U	20.3 U	18.2 U	18.8 U	22.8 U	18.5 U	24.1 U	18.3 U	29.2 U
PCB-1254 (Aroclor 1254)	ug/kg	65.8 J	8.5	45.4 J	143	78.5	67.2	94.7	68.8	39.7 J	142	87.0	179	109
PCB-1260 (Aroclor 1260)	ug/kg	35.4 UJ	1.8 U	27.3 U	23.2 U	22.5 U	20.3 U	18.2 U	18.8 U	22.8 U	18.5 U	24.1 U	18.3 U	29.2 U
Total PCBs	ug/kg	747	161	402	2270	2050	1150	1280	1380	403	3420	1510	3840	1270

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2C Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 6, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R6-059	HR17-OU2-R6-059	HR17-OU2-R6-060	HR17-OU2-R6-061	HR17-OU2-R6-063	HR17-OU2-R6-065	HR17-OU2-R6-069	HR17-OU2-R6-070	HR17-OU2-R6-071	HR17-OU2-R6-074	HR17-OU2-R6-075	HR17-OU2-R6-076	HR17-OU2-R6-077	
Sample Name	HR17-OU2-R6-059	HR17-OU2-R6-FD06	HR17-OU2-R6-060	HR17-OU2-R6-061	HR17-OU2-R6-063	HR17-OU2-R6-065	HR17-OU2-R6-069	HR17-OU2-R6-070	HR17-OU2-R6-071	HR17-OU2-R6-074	HR17-OU2-R6-075	HR17-OU2-R6-076	HR17-OU2-R6-077	
Sample Date	8/1/2017	8/1/2017	8/1/2017	8/1/2017	8/1/2017	8/1/2017	8/3/2017	8/23/2017	8/3/2017	8/2/2017	8/23/2017	8/23/2017	8/2/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample	HR17-OU2-R6-059													
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	15300	13900	14200	2200	3120	26400 J	3050	7790 J	17600	1740	19500 J	26900 J	18200
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	96	100	97	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	90	99	93	100	99	99	100	100	100	100	99	100	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	86	95	85	100	96	99	99	95	100	99	99	100	95
Sieve-U.S. Std. No. 10 (2mm)	%	80	89	75	100	84	99	96	90	99	95	99	100	86
Sieve-U.S. Std. No. 20 (0.85mm)	%	72	84	63	72	50	96	78	83	92	61	98	100	58
Sieve-U.S. Std. No. 40 (0.425mm)	%	62	76	54	28	27	49	77	61	71	25	98	98	22
Sieve-U.S. Std. No. 60 (0.25mm)	%	55	68	46	22	23	40	63	35	53	12	97	98	9
Sieve-U.S. Std. No. 140 (0.106mm)	%	51	51	29	20	22	23	58	24	43	2	96	95	3
Sieve-U.S. Std. No. 200 (0.075mm)	%	42	45	20	19	22	15	58	23	38	1.1	94	91	2.6
Grain Size Classification														
Gravel	%	14	5	15	0	4	1	1	5	0	1	1	0	5
Sand	%	44	50	65	81	74	84	41	72	62	97.9	5	9	92.4
Fines	%	42	45	20	19	22	15	58	23	38	1.1	94	91	2.6
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	11.0	7.2	5.0	1.3	1.2	4.7	2.9	5.1	8.1	0.1	40.1	39.5	0.2
Hydrometer, Reading 2, Percent Passing	%	11.0	5.9	4.6	1.3	1.1	4.2	2.9	4.0	7.0	0.1	33.0	32.6	0.2
Hydrometer, Reading 3, Percent Passing	%	8.7	5.6	3.7	1.2	1.0	3.4	1.8	2.6	5.2	0.1	27.0	25.0	0.1
Hydrometer, Reading 4, Percent Passing	%	8.0	4.0	3.4	1.2	1.0	2.6	1.5	2.1	3.5	0.1	21.0	20.9	0.1
Hydrometer, Reading 5, Percent Passing	%	5.7	4.0	2.7	1.2	1.0	2.0	1.5	1.8	3.2	0.1	18.7	17.4	0.1
Hydrometer, Reading 6, Percent Passing	%	3.9	4.0	1.6	0.7	0.7	1.0	0.7	1.6	1.7	0	12.7	14.0	0.1
Hydrometer, Reading 7, Percent Passing	%	2.4	1.1	1.0	0.4	0.4	0.6	0.7	0.9	0.8	0	5.6	9.2	0.1
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	25.0 U	25.8 U	25.4 U	20.2 U	17.4 U	36.6 UJ	20.4 U	28.1 U	26.5 U	19.6 U	42.3 UJ	42.8 UJ	19.3 U
PCB-1221 (Aroclor 1221)	ug/kg	340 J	218 J	309	307	567	207 J	418	108	1420	491	162 J	2720 J	663
PCB-1232 (Aroclor 1232)	ug/kg	25.0 U	25.8 U	25.4 U	20.2 U	17.4 U	36.6 UJ	20.4 U	28.1 U	26.5 U	19.6 U	42.3 UJ	42.8 UJ	19.3 U
PCB-1242 (Aroclor 1242)	ug/kg	394	277	371	342	1180	297 J	451	138	1650	865	211 J	4120 J	836
PCB-1248 (Aroclor 1248)	ug/kg	25.0 U	25.8 U	25.4 U	20.2 U	17.4 U	36.6 UJ	20.4 U	28.1 U	26.5 U	19.6 U	42.3 UJ	42.8 UJ	19.3 U
PCB-1254 (Aroclor 1254)	ug/kg	79.4	65.9 J	79.9 J	35.1 J	84.8	76.1 J	39.6 J	35.3 J	328	78.0	62.5 J	933 J	69.8
PCB-1260 (Aroclor 1260)	ug/kg	25.0 U	25.8 U	25.4 U	20.2 U	17.4 U	36.6 UJ	20.4 U	28.1 U	26.5 U	19.6 U	42.3 UJ	42.8 UJ	19.3 U
Total PCBs	ug/kg	813	561	760	684	1830	580	909	281	3400	1430	436	7770	1570

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2C Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 6, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R6-078	HR17-OU2-R6-079	HR17-OU2-R6-080	HR17-OU2-R6-081	HR17-OU2-R6-082	HR17-OU2-R6-083	HR17-OU2-R6-084	HR17-OU2-R6-084	HR17-OU2-R6-085	HR17-OU2-R6-086	HR17-OU2-R6-087	HR17-OU2-R6-088	HR17-OU2-R6-089	
Sample Name	HR17-OU2-R6-078	HR17-OU2-R6-079	HR17-OU2-R6-080	HR17-OU2-R6-081	HR17-OU2-R6-082	HR17-OU2-R6-083	HR17-OU2-R6-084	HR17-OU2-R6-FD07	HR17-OU2-R6-085	HR17-OU2-R6-086	HR17-OU2-R6-087	HR17-OU2-R6-088	HR17-OU2-R6-089	
Sample Date	8/23/2017	8/2/2017	8/3/2017	8/2/2017	8/2/2017	8/23/2017	8/2/2017	8/2/2017	8/23/2017	8/2/2017	8/2/2017	8/2/2017	8/23/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample								HR17-OU2-R6-084						
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	16200	2830	1750	956 J	18400	18600	30800 J	35000 J	7620	6910	32600	22000	17300
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	98	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	96	98	97	100	100	100	100	100	92	100	100	98
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	85	89	90	100	98	99	100	99	86	99	99	96
Sieve-U.S. Std. No. 10 (2mm)	%	99	72	77	74	98	95	98	99	98	78	97	98	94
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	51	52	36	95	92	96	97	97	51	92	96	71
Sieve-U.S. Std. No. 40 (0.425mm)	%	98	29	24	16	79	87	92	93	90	27	85	90	49
Sieve-U.S. Std. No. 60 (0.25mm)	%	98	19	14	13	58	82	86	85	80	19	79	75	29
Sieve-U.S. Std. No. 140 (0.106mm)	%	86	15	9	12	38	59	65	65	46	6	53	43	11
Sieve-U.S. Std. No. 200 (0.075mm)	%	77	15	9.1	12	34	48	56	56	37	3.3	39	34	7.3
Grain Size Classification														
Gravel	%	1	15	11	10	0	2	1	0	1	14	1	1	4
Sand	%	22	70	79.9	78	66	50	43	44	62	82.7	60	65	88.7
Fines	%	77	15	9.1	12	34	48	56	56	37	3.3	39	34	7.3
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	22.2	0.8	0.2	0.5	6.9	7.6	17.8	15.4	4.3	0.2	8.9	5.7	1.0
Hydrometer, Reading 2, Percent Passing	%	21.1	0.7	0.2	0.4	6.5	5.9	16.8	12.5	3.8	0.2	8.2	2.6	0.8
Hydrometer, Reading 3, Percent Passing	%	10.4	0.7	0.2	0.4	5.3	4.8	9.9	8.6	2.5	0.2	6.2	2.6	0.6
Hydrometer, Reading 4, Percent Passing	%	7.7	0.7	0.2	0.3	3.4	3.1	7.4	8.6	2.1	0.2	5.5	2.6	0.6
Hydrometer, Reading 5, Percent Passing	%	6.1	0.7	0.2	0.3	3.0	2.6	7.4	6.7	1.6	0.2	4.4	1.8	0.4
Hydrometer, Reading 6, Percent Passing	%	3.9	0.5	0.2	0.3	2.5	2.0	5.9	5.7	1.2	0.1	3.4	1.0	0.4
Hydrometer, Reading 7, Percent Passing	%	2.9	0.5	0.1	0.3	1.9	1.5	3.9	3.8	0.3	0.1	2.7	1.0	0.2
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	36.3 U	19.2 U	18.6 U	18.1 U	26.5 U	34.0 U	39.2 UJ	42.6 UJ	29.7 U	20.3 U	27.4 U	24.4 U	35.1 U
PCB-1221 (Aroclor 1221)	ug/kg	525	863	265	276	322	660	835 J	665 J	253	737	1000	421	695
PCB-1232 (Aroclor 1232)	ug/kg	36.3 U	19.2 U	18.6 U	18.1 U	26.5 U	34.0 U	39.2 UJ	42.6 UJ	29.7 U	20.3 U	27.4 U	24.4 U	35.1 U
PCB-1242 (Aroclor 1242)	ug/kg	728	1460	812	230	447	826	1050 J	860 J	317	1190	1620	599	845
PCB-1248 (Aroclor 1248)	ug/kg	36.3 U	19.2 U	18.6 U	18.1 U	26.5 U	34.0 U	39.2 UJ	42.6 UJ	29.7 U	20.3 U	27.4 U	24.4 U	35.1 U
PCB-1254 (Aroclor 1254)	ug/kg	142	105	58.0 J	18.1 U	120	155	208 J	177 J	55.9 J	139	308	112	193
PCB-1260 (Aroclor 1260)	ug/kg	36.3 U	19.2 U	18.6 U	18.1 U	26.5 U	34.0 U	39.2 UJ	42.6 UJ	29.7 U	20.3 U	27.4 U	24.4 U	35.1 U
Total PCBs	ug/kg	1400	2430	1140	506	889	1640	2090	1700	626	2070	2930	1130	1730

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2C Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 6, Hudson River PCB Sediments Site OU-2, New York

	Location ID	HR17-OU2-R6-091	HR17-OU2-R6-092	HR17-OU2-R6-094	HR17-OU2-R6-095	HR17-OU2-R6-096	HR17-OU2-R6-097	HR17-OU2-R6-098	HR17-OU2-R6-099
	Sample Name	HR17-OU2-R6-091	HR17-OU2-R6-092	HR17-OU2-R6-094	HR17-OU2-R6-095	HR17-OU2-R6-096	HR17-OU2-R6-097	HR17-OU2-R6-098	HR17-OU2-R6-099
	Sample Date	8/2/2017	8/23/2017	8/2/2017	8/2/2017	7/22/2017	8/23/2017	7/22/2017	7/22/2017
	Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
	Parent Sample								
Analyte	Unit								
Total Organic Carbon (LLOYD KAHN)									
Total Organic Carbon	mg/kg	6650	8120	31200 J	14500	17800	5350	44200	38000 J
Grain Size (D422)									
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	99	99	100	99	96	99	98
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	98	99	99	99	85	97	98
Sieve-U.S. Std. No. 10 (2mm)	%	98	95	95	95	99	72	94	97
Sieve-U.S. Std. No. 20 (0.85mm)	%	93	93	93	91	96	69	90	96
Sieve-U.S. Std. No. 40 (0.425mm)	%	77	88	90	87	93	66	86	92
Sieve-U.S. Std. No. 60 (0.25mm)	%	60	78	85	83	88	62	79	88
Sieve-U.S. Std. No. 140 (0.106mm)	%	31	39	37	46	36	47	30	73
Sieve-U.S. Std. No. 200 (0.075mm)	%	19	28	28	31	24	41	26	67
Grain Size Classification									
Gravel	%	1	2	1	1	1	15	3	2
Sand	%	80	70	71	68	75	44	71	31
Fines	%	19	28	28	31	24	41	26	67
Hydrometer Readings (D422)									
Hydrometer, Reading 1, Percent Passing	%	2.4	4.0	4.5	5.4	2.2	8.0	2.2	28.2
Hydrometer, Reading 2, Percent Passing	%	2.1	3.2	4.2	4.7	1.9	5.4	1.9	26.0
Hydrometer, Reading 3, Percent Passing	%	1.8	2.4	3.7	4.0	1.9	4.9	1.3	18.6
Hydrometer, Reading 4, Percent Passing	%	1.8	2.0	2.6	3.4	1.7	4.4	1.2	15.4
Hydrometer, Reading 5, Percent Passing	%	1.6	1.5	2.4	3.4	1.5	2.9	1.2	12.2
Hydrometer, Reading 6, Percent Passing	%	1.3	1.0	2.1	2.9	0.9	1.9	0.4	10.0
Hydrometer, Reading 7, Percent Passing	%	1.2	0.9	1.0	1.7	0.6	1.9	0.1	5.8
PCBs (SW8082A)									
PCB-1016 (Aroclor 1016)	ug/kg	21.9 U	28.2 U	33.2 UJ	22.7 U	29.6 U	24.4 U	24.4 U	37.9 UJ
PCB-1221 (Aroclor 1221)	ug/kg	369	205	783 J	1500	1300	24.4 U	1720	427 J
PCB-1232 (Aroclor 1232)	ug/kg	21.9 U	28.2 U	33.2 UJ	22.7 U	29.6 U	24.4 U	24.4 U	37.9 UJ
PCB-1242 (Aroclor 1242)	ug/kg	564	278	912 J	953	1740	24.4 U	2780	521 J
PCB-1248 (Aroclor 1248)	ug/kg	21.9 U	28.2 U	33.2 UJ	22.7 U	29.6 U	24.4 U	24.4 U	37.9 UJ
PCB-1254 (Aroclor 1254)	ug/kg	104	47.7 J	171 J	115	251	24.4 U	371	112 J
PCB-1260 (Aroclor 1260)	ug/kg	21.9 U	28.2 U	33.2 UJ	22.7 U	29.6 U	24.4 U	24.4 U	37.9 UJ
Total PCBs	ug/kg	1040	531	1870	2570	3290	ND	4870	1060
Notes:									
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.									
U = Indicates the analyte was not detected greater than the laboratory reporting limit.									
ug/kg = Micrograms per Kilogram									
mg/kg = Milligrams per Kilogram									
NA = Not Analyzed, ND = Non-detect									
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.									
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.									

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-001	HR17-OU2-R5-001	HR17-OU2-R5-002	HR17-OU2-R5-003	HR17-OU2-R5-004	HR17-OU2-R5-005	HR17-OU2-R5-006	HR17-OU2-R5-007	HR17-OU2-R5-008	HR17-OU2-R5-009	HR17-OU2-R5-010	HR17-OU2-R5-011
Sample Name		HR17-OU2-R5-001	HR17-OU2-R5-FD08	HR17-OU2-R5-002	HR17-OU2-R5-003	HR17-OU2-R5-004	HR17-OU2-R5-005	HR17-OU2-R5-006	HR17-OU2-R5-007	HR17-OU2-R5-008	HR17-OU2-R5-009	HR17-OU2-R5-010	HR17-OU2-R5-011
Sample Date		6/30/2017	6/30/2017	6/30/2017	6/30/2017	7/6/2017	7/6/2017	6/30/2017	6/30/2017	6/30/2017	6/30/2017	6/30/2017	8/26/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample			HR17-OU2-R5-001										
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	20000 J	24800 J	1390 J	2500	3630	10700	29200 J	28000 J	13700	11900	971	10400
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	1000	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	96	98	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	96	95	98	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	99	100	100	95	95	96	78	97	100	100	96
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	99	100	96	70	93	96	61	94	98	100	91
Sieve-U.S. Std. No. 10 (2mm)	%	99	99	100	91	41	91	96	46	90	93	98	84
Sieve-U.S. Std. No. 20 (0.85mm)	%	95	96	79	71	25	88	96	43	80	82	84	71
Sieve-U.S. Std. No. 40 (0.425mm)	%	93	93	20	19	17	85	95	43	67	56	28	55
Sieve-U.S. Std. No. 60 (0.25mm)	%	89	88	7	5	11	81	94	43	55	42	9	40
Sieve-U.S. Std. No. 140 (0.106mm)	%	76	74	3	3	7	64	91	42	43	30	4	26
Sieve-U.S. Std. No. 200 (0.075mm)	%	70	68	2.7	2.1	6.1	57	88	41	40	27	3.9	22
Grain Size Classification													
Gravel	%	0	1	0	4	30	7	4	39	6	2	0	9
Sand	%	30	31	97.3	93.9	63.9	36	8	20	54	71	96.1	69
Fines	%	70	68	2.7	2.1	6.1	57	88	41	40	27	3.9	22
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	28.1	25.7	0.2	0.1	0.7	20.2	55.8	29.9	12.2	5.4	0.2	5.4
Hydrometer, Reading 2, Percent Passing	%	23.2	22.9	0.1	0.1	0.7	19.6	46.2	25.9	9.0	4.1	0.1	4.2
Hydrometer, Reading 3, Percent Passing	%	18.3	18.3	0.1	0.1	0.6	15.1	35.0	19.4	7.7	3.2	0.1	3.7
Hydrometer, Reading 4, Percent Passing	%	14.6	16.5	0.1	0.1	0.5	12.0	28.7	16.2	6.4	2.4	0.1	3.1
Hydrometer, Reading 5, Percent Passing	%	12.2	11.9	0.1	0	0.4	10.1	20.7	12.1	4.5	1.7	0	2.9
Hydrometer, Reading 6, Percent Passing	%	7.3	6.4	0	0	0.3	6.3	12.7	6.4	3.2	1.0	0	1.9
Hydrometer, Reading 7, Percent Passing	%	4.8	3.6	0	0	0.2	3.1	6.3	4.0	1.3	0.3	0	1.7
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	33.5 UJ	31.7 UJ	19.6 U	22.6 U	18.4 U	24.8 U	40.9 UJ	41.3 UJ	28.7 U	23.4 U	19.0 U	28.1 U
PCB-1221 (Aroclor 1221)	ug/kg	185 J	159 J	79.0	508	290	24.8 U	247 J	267 J	149	266	303	32.9 J
PCB-1232 (Aroclor 1232)	ug/kg	33.5 UJ	31.7 UJ	19.6 U	22.6 U	18.4 U	24.8 U	40.9 UJ	41.3 UJ	28.7 U	23.4 U	19.0 U	28.1 U
PCB-1242 (Aroclor 1242)	ug/kg	342 J	321 J	232	1700	426	24.8 U	341 J	392 J	219	576	819	54.2 J
PCB-1248 (Aroclor 1248)	ug/kg	33.5 UJ	31.7 UJ	19.6 U	22.6 U	18.4 U	24.8 U	40.9 UJ	41.3 UJ	28.7 U	23.4 U	19.0 U	28.1 U
PCB-1254 (Aroclor 1254)	ug/kg	82.3 J	76.3 J	20.4 J	226	30.4 J	61.0 J	70.3 J	91.6 J	63.9 J	85.3	75.0	28.1 U
PCB-1260 (Aroclor 1260)	ug/kg	33.5 UJ	31.7 UJ	19.6 U	22.6 U	18.4 U	24.8 U	40.9 UJ	41.3 UJ	28.7 U	23.4 U	19.0 U	28.1 U
Total PCBs	ug/kg	609.3	556.3	331.4	2434	746.4	61	658.3	750.6	431.9	927.3	1197	87.1

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-012	HR17-OU2-R5-012	HR17-OU2-R5-013	HR17-OU2-R5-014	HR17-OU2-R5-015	HR17-OU2-R5-016	HR17-OU2-R5-017	HR17-OU2-R5-018	HR17-OU2-R5-019	HR17-OU2-R5-020	HR17-OU2-R5-021	HR17-OU2-R5-022
Sample Name		HR17-OU2-R5-012	HR17-OU2-R5-FD10	HR17-OU2-R5-013	HR17-OU2-R5-014	HR17-OU2-R5-015	HR17-OU2-R5-016	HR17-OU2-R5-017	HR17-OU2-R5-018	HR17-OU2-R5-019	HR17-OU2-R5-020	HR17-OU2-R5-021	HR17-OU2-R5-022
Sample Date		7/6/2017	7/6/2017	7/6/2017	8/26/2017	7/6/2017	7/6/2017	7/6/2017	7/6/2017	7/6/2017	7/6/2017	7/6/2017	8/26/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample			HR17-OU2-R5-012										
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	26100 J	31100 J	3840	14000	14700	12600	21600	19300	21200 J	7260	32500 J	25300 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	87	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	95	100	100	100	100	98	79	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	95	100	100	93	100	89	69	98	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	95	100	92	82	97	79	60	77	100	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	95	100	89	80	95	67	53	55	100	98	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	95	100	82	76	91	55	48	44	100	96	100	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	93	98	47	73	87	41	43	36	99	80	97	99
Sieve-U.S. Std. No. 40 (0.425mm)	%	93	98	13	69	73	28	38	26	99	34	96	97
Sieve-U.S. Std. No. 60 (0.25mm)	%	92	97	5	61	55	11	35	12	99	7	96	94
Sieve-U.S. Std. No. 140 (0.106mm)	%	89	94	3	38	43	5	25	8	96	2	94	88
Sieve-U.S. Std. No. 200 (0.075mm)	%	86	91	2.6	32	40	4.5	21	7.0	92	2.0	90	86
Grain Size Classification													
Gravel	%	5	0	11	20	5	33	47	45	0	2	0	0
Sand	%	9	9	86.4	48	55	62.5	32	48	8	96	10	14
Fines	%	86	91	2.6	32	40	4.5	21	7.0	92	2.0	90	86
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	51.9	56.3	0.1	11.1	13.3	0.3	5.9	0.6	58.3	0	56.5	52.4
Hydrometer, Reading 2, Percent Passing	%	47.4	48.1	0.1	8.9	12.1	0.2	5.7	0.6	53.3	0	46.0	49.4
Hydrometer, Reading 3, Percent Passing	%	38.5	31.6	0.1	6.0	8.8	0.2	4.2	0.6	35.9	0	33.4	41.7
Hydrometer, Reading 4, Percent Passing	%	29.6	28.1	0.1	5.2	6.0	0.1	3.7	0.5	29.7	0	26.1	32.5
Hydrometer, Reading 5, Percent Passing	%	25.2	22.2	0.1	4.1	4.4	0.1	1.5	0.4	24.8	0	21.9	23.3
Hydrometer, Reading 6, Percent Passing	%	14.8	12.9	0.1	2.6	2.4	0	1.5	0.2	13.6	0	12.5	12.5
Hydrometer, Reading 7, Percent Passing	%	8.8	9.3	0	1.5	1.6	0	1.0	0.1	8.6	0	8.3	5.6
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	40.4 UJ	43.2 UJ	18.9 U	33.8 U	26.3 U	17.4 U	24.0 U	17.5 U	33.7 UJ	19.4 U	52.4 UJ	46.8 UJ
PCB-1221 (Aroclor 1221)	ug/kg	248 J	293 J	479	357	424	168	657	181	868 J	1040	441 J	257 J
PCB-1232 (Aroclor 1232)	ug/kg	40.4 UJ	43.2 UJ	18.9 U	33.8 U	26.3 U	17.4 U	24.0 U	17.5 U	33.7 UJ	19.4 U	52.4 UJ	46.8 UJ
PCB-1242 (Aroclor 1242)	ug/kg	372 J	409 J	1910	861	652	395	1080	509	1130 J	2450	644 J	374 J
PCB-1248 (Aroclor 1248)	ug/kg	40.4 UJ	43.2 UJ	18.9 U	33.8 U	26.3 U	17.4 U	24.0 U	17.5 U	33.7 UJ	19.4 U	52.4 UJ	46.8 UJ
PCB-1254 (Aroclor 1254)	ug/kg	93.5 J	97.5 J	72.1	142	136	38.5 J	107	68.1	198 J	211	181 J	115 J
PCB-1260 (Aroclor 1260)	ug/kg	40.4 UJ	43.2 UJ	18.9 U	33.8 U	26.3 U	17.4 U	24.0 U	17.5 U	33.7 UJ	19.4 U	52.4 UJ	46.8 UJ
Total PCBs	ug/kg	713.5	799.5	2461.1	1360	1212	601.5	1844	758.1	2196	3701	1266	746

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-023	HR17-OU2-R5-024	HR17-OU2-R5-025	HR17-OU2-R5-026	HR17-OU2-R5-026	HR17-OU2-R5-027	HR17-OU2-R5-028	HR17-OU2-R5-029	HR17-OU2-R5-030	HR17-OU2-R5-031	HR17-OU2-R5-032	HR17-OU2-R5-033
Sample Name		HR17-OU2-R5-023	HR17-OU2-R5-024	HR17-OU2-R5-025	HR17-OU2-R5-026	HR17-OU2-R5-FD21	HR17-OU2-R5-027	HR17-OU2-R5-028	HR17-OU2-R5-029	HR17-OU2-R5-030	HR17-OU2-R5-031	HR17-OU2-R5-032	HR17-OU2-R5-033
Sample Date		7/6/2017	7/24/2017	7/24/2017	7/25/2017	7/25/2017	7/25/2017	7/25/2017	8/26/2017	7/24/2017	7/25/2017	7/25/2017	7/25/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample						HR17-OU2-R5-026							
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	771	2990 J	17700 J	25900 J	28400 J	19000	9460	25300 J	26300 J	4700	17900 J	1650
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	99	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	97	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	92	100	100	100	99	99	100	100	100	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	99	84	100	100	99	97	99	100	100	100	97
Sieve-U.S. Std. No. 10 (2mm)	%	96	96	78	100	100	98	94	99	100	98	100	92
Sieve-U.S. Std. No. 20 (0.85mm)	%	83	81	73	96	71	96	71	95	98	63	95	77
Sieve-U.S. Std. No. 40 (0.425mm)	%	41	39	70	95	48	87	48	93	96	35	92	30
Sieve-U.S. Std. No. 60 (0.25mm)	%	12	15	66	94	33	72	24	88	95	30	89	9
Sieve-U.S. Std. No. 140 (0.106mm)	%	1	3	58	86	25	43	15	63	90	6	82	2
Sieve-U.S. Std. No. 200 (0.075mm)	%	1.0	2.3	53	83	15	37	11	52	85	4.6	78	1.3
Grain Size Classification													
Gravel	%	1	1	16	0	0	1	3	1	0	0	0	3
Sand	%	98	96.7	31	17	85	62	86	47	15	95.4	22	95.7
Fines	%	1.0	2.3	53	83	15	37	11	52	85	4.6	78	1.3
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0	0.2	22.7	47.2	8.8	6.9	0.7	19.8	38.4	0.2	41.1	0
Hydrometer, Reading 2, Percent Passing	%	0	0.1	22.7	44.2	8.3	5.6	0.7	19.8	32.1	0.2	39.0	0
Hydrometer, Reading 3, Percent Passing	%	0	0.1	19.5	33.8	7.8	4.3	0.7	17.1	28.2	0.2	31.1	0
Hydrometer, Reading 4, Percent Passing	%	0	0.1	15.5	30.8	6.3	3.4	0.7	13.6	21.1	0.2	29.7	0
Hydrometer, Reading 5, Percent Passing	%	0	0.1	11.5	27.8	5.4	2.7	0.7	10.9	16.4	0.2	26.8	0
Hydrometer, Reading 6, Percent Passing	%	0	0	9.1	18.9	3.6	1.4	0.5	6.9	10.1	0.1	17.5	0
Hydrometer, Reading 7, Percent Passing	%	0	0	7.5	11.4	2.3	1.0	0.5	3.7	5.4	0	11.0	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	20.5 U	19.4 U	33.3 UJ	38.7 UJ	38.2 UJ	26.3 U	22.3 U	48.4 UJ	33.8 UJ	19.7 U	33.7 UJ	18.7 U
PCB-1221 (Aroclor 1221)	ug/kg	412	224	433 J	307 J	192 J	369	1570	415 J	1020 J	137	119 J	49.9 J
PCB-1232 (Aroclor 1232)	ug/kg	20.5 U	19.4 U	33.3 UJ	38.7 UJ	38.2 UJ	26.3 U	22.3 U	48.4 UJ	33.8 UJ	19.7 U	33.7 UJ	18.7 U
PCB-1242 (Aroclor 1242)	ug/kg	930	308	479 J	345 J	235 J	528	2550	575 J	1110 J	362	163 J	87.1
PCB-1248 (Aroclor 1248)	ug/kg	20.5 U	19.4 U	33.3 UJ	38.7 UJ	38.2 UJ	26.3 U	22.3 U	48.4 UJ	33.8 UJ	19.7 U	33.7 UJ	18.7 U
PCB-1254 (Aroclor 1254)	ug/kg	66.7	28.9 J	101 J	64.4 J	52.3 J	113	93.0	120 J	192 J	33.6 J	46.1 J	18.7 U
PCB-1260 (Aroclor 1260)	ug/kg	20.5 U	19.4 U	33.3 UJ	38.7 UJ	38.2 UJ	26.3 U	22.3 U	48.4 UJ	33.8 UJ	19.7 U	33.7 UJ	18.7 U
Total PCBs	ug/kg	1408.7	560.9	1013	716.4	479.3	1010	4213	1110	2322	532.6	328.1	137

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-034	HR17-OU2-R5-035	HR17-OU2-R5-036	HR17-OU2-R5-037	HR17-OU2-R5-038	HR17-OU2-R5-039	HR17-OU2-R5-040	HR17-OU2-R5-041	HR17-OU2-R5-042	HR17-OU2-R5-044	HR17-OU2-R5-045	HR17-OU2-R5-046
Sample Name		HR17-OU2-R5-034	HR17-OU2-R5-035	HR17-OU2-R5-036	HR17-OU2-R5-037	HR17-OU2-R5-038	HR17-OU2-R5-039	HR17-OU2-R5-040	HR17-OU2-R5-041	HR17-OU2-R5-042	HR17-OU2-R5-044	HR17-OU2-R5-045	HR17-OU2-R5-046
Sample Date		7/24/2017	7/24/2017	7/24/2017	7/24/2017	7/25/2017	7/25/2017	7/25/2017	7/25/2017	8/26/2017	7/25/2017	7/25/2017	7/25/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	11500	5670	3720	11000	18800	2580	26800 J	12800	8760	11000	3240	27100 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	97	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	97	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	97	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	99	100	100	96	99	99	100	99	100	96	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	100	100	96	99	98	99	98	100	88	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	99	97	97	95	99	96	98	97	100	75	100	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	96	53	79	94	96	94	95	94	98	57	45	97
Sieve-U.S. Std. No. 40 (0.425mm)	%	80	22	27	91	92	71	93	89	89	44	13	95
Sieve-U.S. Std. No. 60 (0.25mm)	%	56	20	3	86	87	68	91	76	67	18	11	91
Sieve-U.S. Std. No. 140 (0.106mm)	%	39	18	1	40	57	44	84	48	38	7	8	69
Sieve-U.S. Std. No. 200 (0.075mm)	%	39	17	0.8	38	49	12	80	40	32	2.5	7.5	61
Grain Size Classification													
Gravel	%	1	0	0	4	1	2	1	2	0	12	0	0
Sand	%	60	83	99.2	58	50	86	19	58	68	85.5	92.5	39
Fines	%	39	17	0.8	38	49	12	80	40	32	2.5	7.5	61
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	10.9	2.6	0	7.1	20.7	0.5	39.7	9.7	7.6	0.6	0.7	27.5
Hydrometer, Reading 2, Percent Passing	%	8.1	2.2	0	7.1	20.0	0.5	38.3	9.7	6.0	0.6	0.6	21.7
Hydrometer, Reading 3, Percent Passing	%	5.8	1.9	0	6.5	16.3	0.4	30.0	8.1	4.0	0.5	0.6	15.3
Hydrometer, Reading 4, Percent Passing	%	5.3	1.9	0	6.0	14.6	0.4	23.1	6.4	4.0	0.5	0.6	10.7
Hydrometer, Reading 5, Percent Passing	%	3.6	1.3	0	5.4	11.9	0.4	21.7	5.6	2.8	0.4	0.6	8.9
Hydrometer, Reading 6, Percent Passing	%	1.9	0.7	0	3.1	8.5	0.3	14.1	3.1	2.0	0.3	0.4	5.4
Hydrometer, Reading 7, Percent Passing	%	0.8	0.4	0	1.9	5.5	0.1	9.9	2.6	0.9	0.2	0.3	4.3
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	23.8 U	21.4 U	18.7 U	25.6 U	29.0 U	20.3 U	35.6 UJ	26.4 U	29.8 U	24.8 U	19.2 U	33.2 UJ
PCB-1221 (Aroclor 1221)	ug/kg	176	197	142	281	358	191	180 J	317	118	56.4 J	196	123 J
PCB-1232 (Aroclor 1232)	ug/kg	23.8 U	21.4 U	18.7 U	25.6 U	29.0 U	20.3 U	35.6 UJ	26.4 U	29.8 U	24.8 U	19.2 U	33.2 UJ
PCB-1242 (Aroclor 1242)	ug/kg	236	269	403	350	377	322	243 J	377	171	76.1 J	285	179 J
PCB-1248 (Aroclor 1248)	ug/kg	23.8 U	21.4 U	18.7 U	25.6 U	29.0 U	20.3 U	35.6 UJ	26.4 U	29.8 U	24.8 U	19.2 U	33.2 UJ
PCB-1254 (Aroclor 1254)	ug/kg	56.8 J	31.5 J	18.7 U	63.6 J	83.9 J	31.5 J	58.3 J	71.6 J	37.1 J	37.0 J	22.3 J	60.3 J
PCB-1260 (Aroclor 1260)	ug/kg	23.8 U	21.4 U	18.7 U	25.6 U	29.0 U	20.3 U	35.6 UJ	26.4 U	29.8 U	24.8 U	19.2 U	33.2 UJ
Total PCBs	ug/kg	468.8	497.5	545	694.6	818.9	544.5	481.3	765.6	326.1	169.5	503.3	362.3

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-047	HR17-OU2-R5-048	HR17-OU2-R5-049	HR17-OU2-R5-050	HR17-OU2-R5-051	HR17-OU2-R5-052	HR17-OU2-R5-053	HR17-OU2-R5-054	HR17-OU2-R5-054	HR17-OU2-R5-055	HR17-OU2-R5-056	HR17-OU2-R5-056
Sample Name		HR17-OU2-R5-047	HR17-OU2-R5-048	HR17-OU2-R5-049	HR17-OU2-R5-050	HR17-OU2-R5-051	HR17-OU2-R5-052	HR17-OU2-R5-053	HR17-OU2-R5-054	HR17-OU2-R5-FD22	HR17-OU2-R5-055	HR17-OU2-R5-056	HR17-OU2-R5-FD19
Sample Date		7/26/2017	7/26/2017	7/26/2017	7/26/2017	7/26/2017	7/26/2017	7/26/2017	7/26/2017	7/26/2017	7/21/2017	7/21/2017	7/21/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample										HR17-OU2-R5-054			HR17-OU2-R5-056
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	13600	4110	24800 J	21500 J	30900 J	4360 J	9380 J	40500 J	39500 J	1670	1700 J	3680 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	99	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	96	99	100	100	100	99	100	100	100	100	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	86	99	100	100	100	98	100	100	100	100	95
Sieve-U.S. Std. No. 10 (2mm)	%	100	60	99	100	100	100	90	100	100	99	100	86
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	59	97	99	98	96	71	97	98	86	40	52
Sieve-U.S. Std. No. 40 (0.425mm)	%	73	59	95	98	96	94	41	96	83	28	8	10
Sieve-U.S. Std. No. 60 (0.25mm)	%	29	58	91	89	94	92	16	95	53	7	5	5
Sieve-U.S. Std. No. 140 (0.106mm)	%	15	54	77	12	87	78	3	87	39	3	4	3
Sieve-U.S. Std. No. 200 (0.075mm)	%	14	50	70	3.8	79	68	2.4	82	36	2.9	3.3	2.4
Grain Size Classification													
Gravel	%	0	14	1	0	0	0	2	0	0	0	0	5
Sand	%	86	36	29	96.2	21	32	95.6	18	64	97.1	96.7	92.6
Fines	%	14	50	70	3.8	79	68	2.4	82	36	2.9	3.3	2.4
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	1.4	5.6	34.7	0.9	42.7	40.5	0.1	29.1	5.4	0.2	0.3	0.2
Hydrometer, Reading 2, Percent Passing	%	1.4	4.5	33.6	0.7	37.2	40.5	0.1	25.2	4.4	0.2	0.3	0.2
Hydrometer, Reading 3, Percent Passing	%	1.0	4.1	24.5	0.7	26.7	30.8	0.1	22.0	4.2	0.2	0.3	0.2
Hydrometer, Reading 4, Percent Passing	%	1.0	4.1	21.1	0.6	24.6	26.0	0.1	17.5	3.5	0.2	0.3	0.2
Hydrometer, Reading 5, Percent Passing	%	0.6	4.1	14.3	0.4	18.3	18.8	0.1	13.7	3.5	0.2	0.3	0.2
Hydrometer, Reading 6, Percent Passing	%	0.3	0.8	8.7	0.2	12.1	12.2	0.1	8.6	1.2	0.1	0	0.1
Hydrometer, Reading 7, Percent Passing	%	0.3	0.8	6.4	0.2	7.2	8.0	0.1	6.0	1.2	0.1	0	0.1
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	22.7 U	17.6 U	32.6 UJ	33.1 UJ	39.4 UJ	22.6 U	23.6 U	39.6 UJ	38.7 UJ	20.7 U	18.2 U	20.6 U
PCB-1221 (Aroclor 1221)	ug/kg	76.3	214	301 J	301 J	257 J	383	676	921 J	401 J	269	47.8 J	137 J
PCB-1232 (Aroclor 1232)	ug/kg	22.7 U	17.6 U	32.6 UJ	33.1 UJ	39.4 UJ	22.6 U	23.6 U	39.6 UJ	38.7 UJ	20.7 U	18.2 U	20.6 U
PCB-1242 (Aroclor 1242)	ug/kg	177	246	412 J	423 J	339 J	693	623 J	1300 J	554 J	718	92.4 J	321 J
PCB-1248 (Aroclor 1248)	ug/kg	22.7 U	17.6 U	32.6 UJ	33.1 UJ	39.4 UJ	22.6 U	23.6 U	39.6 UJ	38.7 UJ	20.7 U	18.2 U	20.6 U
PCB-1254 (Aroclor 1254)	ug/kg	23.1 J	21.3 J	96.5 J	103 J	81.8 J	110	91.9	259 J	119 J	53.2 J	18.2 U	20.6 U
PCB-1260 (Aroclor 1260)	ug/kg	22.7 U	17.6 U	32.6 UJ	33.1 UJ	39.4 UJ	22.6 U	23.6 U	39.6 UJ	38.7 UJ	20.7 U	18.2 U	20.6 U
Total PCBs	ug/kg	276.4	481.3	809.5	827	677.8	1186	1390.9	2480	1074	1040.2	140.2	458

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-057	HR17-OU2-R5-058	HR17-OU2-R5-059	HR17-OU2-R5-061	HR17-OU2-R5-062	HR17-OU2-R5-063	HR17-OU2-R5-063	HR17-OU2-R5-064	HR17-OU2-R5-065	HR17-OU2-R5-066	HR17-OU2-R5-067	HR17-OU2-R5-068
Sample Name		HR17-OU2-R5-057	HR17-OU2-R5-058	HR17-OU2-R5-059	HR17-OU2-R5-061	HR17-OU2-R5-062	HR17-OU2-R5-063	HR17-OU2-R5-FD20	HR17-OU2-R5-064	HR17-OU2-R5-065	HR17-OU2-R5-066	HR17-OU2-R5-067	HR17-OU2-R5-068
Sample Date		7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017	7/21/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample								HR17-OU2-R5-063					
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	24100 J	10300 J	23400	26800 J	913	18500	17800	23500	40000 J	4650	1200	7950
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	94	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	100	90	99	100	100	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	97	99	99	100	99	83	94	99	98	100	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	67	94	96	100	77	72	81	96	90	99	99	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	66	91	93	100	10	65	73	93	89	98	92	96
Sieve-U.S. Std. No. 40 (0.425mm)	%	65	82	85	99	6	60	66	78	87	92	48	76
Sieve-U.S. Std. No. 60 (0.25mm)	%	64	51	74	97	4	55	60	23	86	36	13	21
Sieve-U.S. Std. No. 140 (0.106mm)	%	57	27	55	80	3	38	42	6	63	11	5	6
Sieve-U.S. Std. No. 200 (0.075mm)	%	53	24	52	74	2.8	34	37	5.0	81	10.0	4.7	5.0
Grain Size Classification													
Gravel	%	3	1	1	0	1	17	6	1	2	0	0	0
Sand	%	44	75	47	26	96.2	49	57	94	17	90	95.3	95
Fines	%	53	24	52	74	2.8	34	37	5.0	81	10.0	4.7	5.0
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	27.6	4.7	18.9	37.5	0.2	11.0	10.4	0.4	57.2	1.0	0.3	0.4
Hydrometer, Reading 2, Percent Passing	%	22.8	4.4	18.1	29.7	0.2	9.2	10.4	0.4	50.7	1.0	0.3	0.4
Hydrometer, Reading 3, Percent Passing	%	16.4	3.5	14.9	21.9	0.2	8.6	8.2	0.4	41.7	1.0	0.2	0.4
Hydrometer, Reading 4, Percent Passing	%	14.8	3.5	10.0	19.3	0.2	5.6	6.4	0.4	34.0	0.7	0.2	0.2
Hydrometer, Reading 5, Percent Passing	%	13.6	3.1	9.2	15.9	0.2	5.6	5.5	0.3	26.3	0.7	0.2	0.2
Hydrometer, Reading 6, Percent Passing	%	9.1	1.5	6.8	9.8	0.2	3.8	3.3	0.2	12.8	0.5	0.1	0.1
Hydrometer, Reading 7, Percent Passing	%	5.9	1.3	2.8	7.3	0	2.6	2.9	0.1	8.3	0.2	0	0.1
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	35.4 UJ	34.3 UJ	29.2 U	32.7 UJ	17.3 U	26.9 U	24.6 U	20.6 U	41.3 UJ	21.5 U	19.6 U	21.0 U
PCB-1221 (Aroclor 1221)	ug/kg	464 J	403 J	189	1210 J	52.2 J	401	369	224	279 J	207	19.6 U	280
PCB-1232 (Aroclor 1232)	ug/kg	35.4 UJ	34.3 UJ	29.2 U	32.7 UJ	17.3 U	26.9 U	24.6 U	20.6 U	41.3 UJ	21.5 U	19.6 U	21.0 U
PCB-1242 (Aroclor 1242)	ug/kg	598 J	527 J	243	1360 J	207	500	462	477	344 J	307	53.5 J	524
PCB-1248 (Aroclor 1248)	ug/kg	35.4 UJ	34.3 UJ	29.2 U	32.7 UJ	17.3 U	26.9 U	24.6 U	20.6 U	41.3 UJ	21.5 U	19.6 U	21.0 U
PCB-1254 (Aroclor 1254)	ug/kg	141 J	90.5 J	69.7 J	247 J	17.3 U	94.0	104	75.8	90.6 J	34.8 J	19.6 U	48.2 J
PCB-1260 (Aroclor 1260)	ug/kg	35.4 UJ	34.3 UJ	29.2 U	32.7 UJ	17.3 U	26.9 U	24.6 U	20.6 U	41.3 UJ	21.5 U	19.6 U	21.0 U
Total PCBs	ug/kg	1203	1020.5	501.7	2817	259.2	995	935	776.8	713.6	548.8	53.5	852.2

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-069	HR17-OU2-R5-070	HR17-OU2-R5-070	HR17-OU2-R5-071	HR17-OU2-R5-073	HR17-OU2-R5-074	HR17-OU2-R5-075	HR17-OU2-R5-076	HR17-OU2-R5-077	HR17-OU2-R5-078	HR17-OU2-R5-079	HR17-OU2-R5-079
Sample Name		HR17-OU2-R5-069	HR17-OU2-R5-070	HR17-OU2-R5-FD17	HR17-OU2-R5-071	HR17-OU2-R5-073	HR17-OU2-R5-074	HR17-OU2-R5-075	HR17-OU2-R5-076	HR17-OU2-R5-077	HR17-OU2-R5-078	HR17-OU2-R5-079	HR17-OU2-R5-FD18
Sample Date		7/21/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample				HR17-OU2-R5-070									HR17-OU2-R5-079
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	29400 J	1760	1950	11000	9180	2610	1970	23500	7910	972	25700	30200
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	98	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	81	93	99	100	99	100	99	99	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	100	61	79	99	99	97	100	99	97	97
Sieve-U.S. Std. No. 10 (2mm)	%	100	99	98	50	64	97	94	96	100	92	93	65
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	79	83	43	51	95	69	95	97	46	91	64
Sieve-U.S. Std. No. 40 (0.425mm)	%	98	25	27	29	35	60	20	94	56	9	90	63
Sieve-U.S. Std. No. 60 (0.25mm)	%	98	6	6	17	23	14	5	93	9	6	89	63
Sieve-U.S. Std. No. 140 (0.106mm)	%	88	5	5	11	16	7	3	83	2	4	78	56
Sieve-U.S. Std. No. 200 (0.075mm)	%	83	4.5	4.5	9.8	15	6.9	3.0	76	1.6	3.9	68	50
Grain Size Classification													
Gravel	%	0	0	0	39	21	1	1	3	0	1	3	3
Sand	%	17	95.5	95.5	51.2	64	92.1	96	21	98.4	95.1	29	47
Fines	%	83	4.5	4.5	9.8	15	6.9	3.0	76	1.6	3.9	68	50
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	47.0	0.2	0.1	1.8	2.6	0.6	0.2	20.9	0.1	0.2	22.0	18.8
Hydrometer, Reading 2, Percent Passing	%	43.2	0.1	0.1	1.4	2.4	0.6	0.2	20.9	0.1	0.2	22.0	18.8
Hydrometer, Reading 3, Percent Passing	%	31.5	0.1	0.1	1.2	1.6	0.6	0.2	20.9	0.1	0.2	20.7	15.2
Hydrometer, Reading 4, Percent Passing	%	26.4	0.1	0.1	1.2	1.2	0.4	0.2	17.2	0.1	0.2	15.5	13.4
Hydrometer, Reading 5, Percent Passing	%	18.6	0.1	0.1	1.2	1.2	0.4	0.2	17.2	0.1	0.2	15.5	9.8
Hydrometer, Reading 6, Percent Passing	%	10.9	0.1	0.1	0.9	1.0	0.3	0.2	12.3	0.1	0.2	11.6	7.1
Hydrometer, Reading 7, Percent Passing	%	5.7	0.1	0.1	0.7	0.9	0.1	0.2	5.5	0	0.2	5.1	2.6
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	34.9 UJ	20.0 U	21.1 U	19.1 U	22.5 U	19.8 U	20.3 U	28.9 U	22.9 U	20.5 U	30.8 U	31.1 U
PCB-1221 (Aroclor 1221)	ug/kg	617 J	134	129	172	40.1 J	167	81.9	434	204	172	251	299
PCB-1232 (Aroclor 1232)	ug/kg	34.9 UJ	20.0 U	21.1 U	19.1 U	22.5 U	19.8 U	20.3 U	28.9 U	22.9 U	20.5 U	30.8 U	31.1 U
PCB-1242 (Aroclor 1242)	ug/kg	612 J	403	330	334	64.9 J	335	197	481	405	437	312	364
PCB-1248 (Aroclor 1248)	ug/kg	34.9 UJ	20.0 U	21.1 U	19.1 U	22.5 U	19.8 U	20.3 U	28.9 U	22.9 U	20.5 U	30.8 U	31.1 U
PCB-1254 (Aroclor 1254)	ug/kg	129 J	43.7 J	36.2 J	43.0 J	25.3 J	31.2 J	20.3 U	114	42.2 J	31.4 J	85.6 J	100
PCB-1260 (Aroclor 1260)	ug/kg	34.9 UJ	20.0 U	21.1 U	19.1 U	22.5 U	19.8 U	20.3 U	28.9 U	22.9 U	20.5 U	30.8 U	31.1 U
Total PCBs	ug/kg	1358	580.7	495.2	549	130.3	533.2	278.9	1029	651.2	640.4	648.6	763

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-080	HR17-OU2-R5-081	HR17-OU2-R5-082	HR17-OU2-R5-083	HR17-OU2-R5-084	HR17-OU2-R5-086	HR17-OU2-R5-087	HR17-OU2-R5-088	HR17-OU2-R5-089	HR17-OU2-R5-090	HR17-OU2-R5-091	HR17-OU2-R5-092
Sample Name		HR17-OU2-R5-080	HR17-OU2-R5-081	HR17-OU2-R5-082	HR17-OU2-R5-083	HR17-OU2-R5-084	HR17-OU2-R5-086	HR17-OU2-R5-087	HR17-OU2-R5-088	HR17-OU2-R5-089	HR17-OU2-R5-090	HR17-OU2-R5-091	HR17-OU2-R5-092
Sample Date		7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	851	25300 J	26500 J	1150	930	24600	6010	30500 J	23900 J	20800 J	12700	1840
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	96	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	82	100	100	100	100	100	100	96	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	81	96	100	100	100	99	100	78	100	98	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	79	95	99	100	95	98	100	48	100	95	99
Sieve-U.S. Std. No. 10 (2mm)	%	100	74	94	94	100	71	95	99	34	98	91	98
Sieve-U.S. Std. No. 20 (0.85mm)	%	96	71	91	45	100	67	73	96	33	79	72	81
Sieve-U.S. Std. No. 40 (0.425mm)	%	33	59	88	6	84	61	22	94	32	32	30	26
Sieve-U.S. Std. No. 60 (0.25mm)	%	3	52	86	4	16	54	8	94	32	13	15	5
Sieve-U.S. Std. No. 140 (0.106mm)	%	1	44	75	2	2	43	2	90	30	8	10	2
Sieve-U.S. Std. No. 200 (0.075mm)	%	0.7	42	64	1.9	1.6	39	1.7	89	30	7.9	6.8	2.2
Grain Size Classification													
Gravel	%	0	21	5	1	0	5	2	0	52	0	5	1
Sand	%	99.3	37	31	97.1	98.4	56	96.3	11	18	92.1	88.2	96.8
Fines	%	0.7	42	64	1.9	1.6	39	1.7	89	30	7.9	6.8	2.2
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0	16.0	25.5	0.1	0.1	11.9	0.1	57.3	16.4	0.6	0.6	0.1
Hydrometer, Reading 2, Percent Passing	%	0	16.0	22.2	0.1	0.1	9.7	0.1	57.3	15.8	0.6	0.6	0.1
Hydrometer, Reading 3, Percent Passing	%	0	10.9	14.9	0.1	0.1	8.9	0.1	41.6	14.2	0.5	0.6	0.1
Hydrometer, Reading 4, Percent Passing	%	0	8.7	12.2	0.1	0.1	7.4	0.1	31.9	10.7	0.4	0.6	0.1
Hydrometer, Reading 5, Percent Passing	%	0	8.0	9.9	0.1	0.1	6.7	0.1	27.1	8.4	0.4	0.4	0.1
Hydrometer, Reading 6, Percent Passing	%	0	5.1	7.7	0.1	0.1	5.2	0.1	12.6	4.9	0.1	0.3	0
Hydrometer, Reading 7, Percent Passing	%	0	3.6	6.1	0.1	0	4.4	0.1	9.6	3.3	0.1	0.2	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	20.8 U	34.3 UJ	34.9 UJ	18.3 U	20.1 U	30.7 U	20.5 U	36.8 UJ	36.5 UJ	21.1 U	22.2 U	20.5 U
PCB-1221 (Aroclor 1221)	ug/kg	30.0 J	382 J	289 J	55.9 J	83.3	241	229	319 J	289 J	173	440	385
PCB-1232 (Aroclor 1232)	ug/kg	20.8 U	34.3 UJ	34.9 UJ	18.3 U	20.1 U	30.7 U	20.5 U	36.8 UJ	36.5 UJ	21.1 U	22.2 U	20.5 U
PCB-1242 (Aroclor 1242)	ug/kg	86.4	458 J	365 J	166	159	297	383	386 J	329 J	378	1290	945
PCB-1248 (Aroclor 1248)	ug/kg	20.8 U	34.3 UJ	34.9 UJ	18.3 U	20.1 U	30.7 U	20.5 U	36.8 UJ	36.5 UJ	21.1 U	22.2 U	20.5 U
PCB-1254 (Aroclor 1254)	ug/kg	20.8 U	92.3 J	99.9 J	18.3 U	20.1 U	83.6 J	23.9 J	115 J	92.5 J	41.1 J	111	77.7
PCB-1260 (Aroclor 1260)	ug/kg	20.8 U	34.3 UJ	34.9 UJ	18.3 U	20.1 U	30.7 U	20.5 U	36.8 UJ	36.5 UJ	21.1 U	22.2 U	20.5 U
Total PCBs	ug/kg	116.4	932.3	753.9	221.9	242.3	621.6	635.9	820	710.5	592.1	1841	1407.7

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-093	HR17-OU2-R5-094	HR17-OU2-R5-095	HR17-OU2-R5-096	HR17-OU2-R5-097	HR17-OU2-R5-098	HR17-OU2-R5-099	HR17-OU2-R5-100	HR17-OU2-R5-101	HR17-OU2-R5-102	HR17-OU2-R5-103	HR17-OU2-R5-104
Sample Name		HR17-OU2-R5-093	HR17-OU2-R5-094	HR17-OU2-R5-095	HR17-OU2-R5-096	HR17-OU2-R5-097	HR17-OU2-R5-098	HR17-OU2-R5-099	HR17-OU2-R5-100	HR17-OU2-R5-101	HR17-OU2-R5-102	HR17-OU2-R5-103	HR17-OU2-R5-104
Sample Date		7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/18/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	28200 J	6750	11400	7040	9500	8500	4550	11600	5440	4360	17800	9800
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	10	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	94	97	100	98	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	97	100	94	92	100	98	99
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	100	80	100	94	70	100	98	96
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	98	99	99	99	64	99	93	53	98	97	94
Sieve-U.S. Std. No. 10 (2mm)	%	96	94	94	95	89	55	96	91	44	90	95	92
Sieve-U.S. Std. No. 20 (0.85mm)	%	93	82	70	70	79	46	81	84	37	68	92	90
Sieve-U.S. Std. No. 40 (0.425mm)	%	87	39	26	23	60	38	41	62	27	35	88	88
Sieve-U.S. Std. No. 60 (0.25mm)	%	72	27	7	3	43	27	11	48	19	15	81	84
Sieve-U.S. Std. No. 140 (0.106mm)	%	54	19	2	3	30	14	3	34	10	8	61	66
Sieve-U.S. Std. No. 200 (0.075mm)	%	53	17	1.6	2.4	28	12	2.3	31	8.8	7.2	55	55
Grain Size Classification													
Gravel	%	1	2	1	1	1	36	1	7	47	2	3	6
Sand	%	46	81	97.4	96.6	71	52	96.7	62	44.2	90.8	42	39
Fines	%	53	17	1.6	2.4	28	12	2.3	31	8.8	7.2	55	55
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	24.8	3.7	0.1	0.1	7.6	1.9	0.1	8.4	1.8	0.6	18.0	20.9
Hydrometer, Reading 2, Percent Passing	%	23.9	2.8	0.1	0.1	5.3	1.9	0.1	7.7	1.4	0.6	17.7	19.5
Hydrometer, Reading 3, Percent Passing	%	17.3	2.7	0.1	0.1	5.0	1.7	0.1	6.7	1.2	0.5	14.9	14.8
Hydrometer, Reading 4, Percent Passing	%	15.4	2.1	0.1	0.1	4.4	1.4	0.1	5.6	1.1	0.5	13.0	12.0
Hydrometer, Reading 5, Percent Passing	%	13.5	2.1	0	0.1	2.9	1.2	0.1	4.7	0.9	0.5	10.4	10.0
Hydrometer, Reading 6, Percent Passing	%	7.9	1.4	0	0	1.8	0.6	0.1	2.9	0.5	0.2	6.8	6.2
Hydrometer, Reading 7, Percent Passing	%	5.1	1.0	0	0	1.4	0.4	0.1	1.7	0.3	0.1	4.0	4.5
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	34.6 UJ	23.2 U	20.6 U	20.8 U	23.1 U	21.3 U	20.3 U	25.4 U	20.3 U	20.7 U	29.1 U	23.4 U
PCB-1221 (Aroclor 1221)	ug/kg	1050 J	599	262	399	90.5	1690	379	246	278	337	201	56.2 J
PCB-1232 (Aroclor 1232)	ug/kg	34.6 UJ	23.2 U	20.6 U	20.8 U	23.1 U	21.3 U	20.3 U	25.4 U	20.3 U	20.7 U	29.1 U	23.4 U
PCB-1242 (Aroclor 1242)	ug/kg	1240 J	1770	625	999	44.4 J	2310	852	415	329	710	218	85.5
PCB-1248 (Aroclor 1248)	ug/kg	34.6 UJ	23.2 U	20.6 U	20.8 U	23.1 U	21.3 U	20.3 U	25.4 U	20.3 U	20.7 U	29.1 U	23.4 U
PCB-1254 (Aroclor 1254)	ug/kg	126 J	150	57.8 J	85.1	29.8 J	130	94.4	80.7	38.6 J	73.9	58.9 J	23.4 U
PCB-1260 (Aroclor 1260)	ug/kg	34.6 UJ	23.2 U	20.6 U	20.8 U	23.1 U	21.3 U	20.3 U	25.4 U	20.3 U	20.7 U	29.1 U	23.4 U
Total PCBs	ug/kg	2416	2519	944.8	1483.1	164.7	4130	1325.4	741.7	645.6	1120.9	477.9	141.7

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-105	HR17-OU2-R5-106	HR17-OU2-R5-107	HR17-OU2-R5-108	HR17-OU2-R5-109	HR17-OU2-R5-110	HR17-OU2-R5-110	HR17-OU2-R5-110	HR17-OU2-R5-111	HR17-OU2-R5-112	HR17-OU2-R5-113	HR17-OU2-R5-114	HR17-OU2-R5-115
Sample Name		HR17-OU2-R5-105	HR17-OU2-R5-106	HR17-OU2-R5-107	HR17-OU2-R5-108	HR17-OU2-R5-109	HR17-OU2-R5-110	HR17-OU2-R5-FD15	HR17-OU2-R5-110	HR17-OU2-R5-111	HR17-OU2-R5-112	HR17-OU2-R5-113	HR17-OU2-R5-114	HR17-OU2-R5-115
Sample Date		7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/17/2017	7/18/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample														
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	22600	11300	18400	14800	1570	7480	5880	15000	3590	7430	6430	33100 J	
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	93	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	91	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	99	100	78	100	100	99	100	98	99	100	100	100	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	98	100	62	100	99	98	97	97	98	99	100	97	
Sieve-U.S. Std. No. 10 (2mm)	%	91	98	50	100	93	97	96	96	94	98	100	92	
Sieve-U.S. Std. No. 20 (0.85mm)	%	60	94	49	98	55	84	84	95	71	84	92	88	
Sieve-U.S. Std. No. 40 (0.425mm)	%	23	48	48	96	11	36	36	86	28	30	39	86	
Sieve-U.S. Std. No. 60 (0.25mm)	%	8	16	39	78	11	7	7	63	6	9	10	85	
Sieve-U.S. Std. No. 140 (0.106mm)	%	4	12	29	35	9	1	3	40	2	6	6	80	
Sieve-U.S. Std. No. 200 (0.075mm)	%	3.8	11	27	28	9.3	1.1	2.4	36	1.8	5.9	5.9	78	
Grain Size Classification														
Gravel	%	2	0	38	0	1	2	3	3	2	1	0	3	
Sand	%	94.2	89	35	72	89.7	96.9	94.6	61	96.2	93.1	94.1	19	
Fines	%	3.8	11	27	28	9.3	1.1	2.4	36	1.8	5.9	5.9	78	
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.1	0.4	10.2	5.0	0.4	0.1	0.1	9.2	0.1	0.2	0.2	37.1	
Hydrometer, Reading 2, Percent Passing	%	0.1	0.3	10.2	5.0	0.4	0	0.1	9.2	0.1	0.2	0.2	34.6	
Hydrometer, Reading 3, Percent Passing	%	0.1	0.3	7.9	4.9	0.4	0	0.1	8.4	0.1	0.2	0.2	21.2	
Hydrometer, Reading 4, Percent Passing	%	0.1	0.3	7.3	4.3	0.4	0	0.1	6.6	0.1	0.2	0.2	16.3	
Hydrometer, Reading 5, Percent Passing	%	0.1	0.3	5.5	3.7	0.4	0	0.1	5.7	0.1	0.2	0.2	11.5	
Hydrometer, Reading 6, Percent Passing	%	0.1	0.3	3.4	2.3	0.2	0	0.1	3.5	0	0.1	0.1	5.4	
Hydrometer, Reading 7, Percent Passing	%	0.1	0.3	2.1	1.5	0.2	0	0.1	2.6	0	0.1	0.1	3.5	
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	19.1 U	19.2 U	29.4 U	26.9 U	18.7 U	19.8 U	20.1 U	29.2 U	19.6 U	19.8 U	20.0 U	43.3 UJ	
PCB-1221 (Aroclor 1221)	ug/kg	582	92.9	470	34.7 J	188	419	386	252	107	626	213	575 J	
PCB-1232 (Aroclor 1232)	ug/kg	19.1 U	19.2 U	29.4 U	26.9 U	18.7 U	19.8 U	20.1 U	29.2 U	19.6 U	19.8 U	20.0 U	43.3 UJ	
PCB-1242 (Aroclor 1242)	ug/kg	1650	229	437	87.9	549	831	582	324	286 J	1170	460	789 J	
PCB-1248 (Aroclor 1248)	ug/kg	19.1 U	19.2 U	29.4 U	26.9 U	18.7 U	19.8 U	20.1 U	29.2 U	19.6 U	19.8 U	20.0 U	43.3 UJ	
PCB-1254 (Aroclor 1254)	ug/kg	150	19.2 U	97.4	26.9 U	46.0 J	65.8	40.2 J	70.6 J	22.7 J	82.4	43.3 J	143 J	
PCB-1260 (Aroclor 1260)	ug/kg	19.1 U	19.2 U	29.4 U	93.3	18.7 U	19.8 U	20.1 U	29.2 U	19.6 U	19.8 U	20.0 U	43.3 UJ	
Total PCBs	ug/kg	2382	321.9	1004.4	122.6	783	1315.8	1008.2	646.6	415.7	1878.4	716.3	1507	

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-116	HR17-OU2-R5-116	HR17-OU2-R5-118	HR17-OU2-R5-119	HR17-OU2-R5-120	HR17-OU2-R5-121	HR17-OU2-R5-122	HR17-OU2-R5-122	HR17-OU2-R5-123	HR17-OU2-R5-124	HR17-OU2-R5-125	HR17-OU2-R5-126
Sample Name		HR17-OU2-R5-116	HR17-OU2-R5-FD16	HR17-OU2-R5-118	HR17-OU2-R5-119	HR17-OU2-R5-120	HR17-OU2-R5-121	HR17-OU2-R5-122	HR17-OU2-R5-FD12	HR17-OU2-R5-123	HR17-OU2-R5-124	HR17-OU2-R5-125	HR17-OU2-R5-126
Sample Date		7/18/2017	7/18/2017	7/10/2017	7/10/2017	7/10/2017	7/8/2017	7/8/2017	7/8/2017	7/8/2017	7/8/2017	7/8/2017	7/8/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample			HR17-OU2-R5-116						HR17-OU2-R5-122				
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	10400	12800	42200	33400 J	6810 J	11500	30500 J	18800 J	4650	4820 J	20200 J	17400
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	98	100	100	100	99	100	100	99	100	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	91	98	100	100	98	99	100	97	98	100	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	81	81	100	99	95	93	100	97	93	98	100	96
Sieve-U.S. Std. No. 20 (0.85mm)	%	80	80	80	97	70	69	96	90	61	85	97	76
Sieve-U.S. Std. No. 40 (0.425mm)	%	77	77	28	96	23	21	94	88	12	42	96	28
Sieve-U.S. Std. No. 60 (0.25mm)	%	67	68	5	94	5	4	93	86	2	17	95	5
Sieve-U.S. Std. No. 140 (0.106mm)	%	27	27	3	82	3	2	74	73	1	12	77	2
Sieve-U.S. Std. No. 200 (0.075mm)	%	20	23	2.7	76	2.3	1.9	64	64	0.5	11	70	1.7
Grain Size Classification													
Gravel	%	9	2	0	0	2	1	0	3	2	0	0	0
Sand	%	71	75	97.3	24	95.7	97.1	36	33	97.5	89	30	98.3
Fines	%	20	23	2.7	76	2.3	1.9	64	64	0.5	11	70	1.7
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	3.6	4.5	0.1	33.8	0.1	0	21.2	28.6	0	1.3	61.6	0
Hydrometer, Reading 2, Percent Passing	%	2.3	4.3	0.1	33.8	0.1	0	20.6	25.4	0	1.0	55.0	0
Hydrometer, Reading 3, Percent Passing	%	1.4	3.7	0.1	26.1	0.1	0	19.3	19.1	0	0.9	43.0	0
Hydrometer, Reading 4, Percent Passing	%	1.2	3.4	0	21.0	0.1	0	16.2	16.5	0	0.8	37.6	0
Hydrometer, Reading 5, Percent Passing	%	0.9	2.7	0	16.5	0.1	0	12.5	13.3	0	0.6	28.9	0
Hydrometer, Reading 6, Percent Passing	%	0.4	1.4	0	10.8	0.1	0	7.6	8.1	0	0.4	17.6	0
Hydrometer, Reading 7, Percent Passing	%	0.4	1.1	0	6.3	0.1	0	3.9	4.9	0	0.2	9.6	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	23.8 U	24.7 U	19.7 U	38.6 UJ	20.9 U	19.4 U	36.6 UJ	31.8 UJ	20.3 U	20.9 U	35.7 UJ	19.3 U
PCB-1221 (Aroclor 1221)	ug/kg	1190	1690	432	501 J	190	664	363 J	418 J	365	132	300 J	584
PCB-1232 (Aroclor 1232)	ug/kg	23.8 U	24.7 U	19.7 U	38.6 UJ	20.9 U	19.4 U	36.6 UJ	31.8 UJ	20.3 U	20.9 U	35.7 UJ	19.3 U
PCB-1242 (Aroclor 1242)	ug/kg	1390	1680	1210	666 J	649	2140	550 J	571 J	1340	281	420 J	2140
PCB-1248 (Aroclor 1248)	ug/kg	23.8 U	24.7 U	19.7 U	38.6 UJ	20.9 U	19.4 U	36.6 UJ	31.8 UJ	20.3 U	20.9 U	35.7 UJ	19.3 U
PCB-1254 (Aroclor 1254)	ug/kg	135	161	98.3	181 J	49.9 J	134	155 J	144 J	101	26.8 J	125 J	173
PCB-1260 (Aroclor 1260)	ug/kg	23.8 U	24.7 U	19.7 U	38.6 UJ	20.9 U	19.4 U	36.6 UJ	31.8 UJ	20.3 U	20.9 U	35.7 UJ	19.3 U
Total PCBs	ug/kg	2715	3531	1740.3	1348	888.9	2938	1068	1133	1806	439.8	845	2897

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-127	HR17-OU2-R5-128	HR17-OU2-R5-129	HR17-OU2-R5-129	HR17-OU2-R5-130	HR17-OU2-R5-131	HR17-OU2-R5-132	HR17-OU2-R5-133	HR17-OU2-R5-134	HR17-OU2-R5-135	HR17-OU2-R5-136	HR17-OU2-R5-137
Sample Name		HR17-OU2-R5-127	HR17-OU2-R5-128	HR17-OU2-R5-129	HR17-OU2-R5-FD13	HR17-OU2-R5-130	HR17-OU2-R5-131	HR17-OU2-R5-132	HR17-OU2-R5-133	HR17-OU2-R5-134	HR17-OU2-R5-135	HR17-OU2-R5-136	HR17-OU2-R5-137
Sample Date		7/8/2017	7/8/2017	7/8/2017	7/8/2017	7/8/2017	7/10/2017	7/10/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample					HR17-OU2-R5-129								
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	9410	4560	27000 J	27000	2660	27800 J	1330	1820	19300	8990	1070	7870
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	98	100	100	100	100	100	100	100	100	97
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	98	100	100	100	100	100	100	100	100	92
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	98	100	99	100	100	100	99	100	96	80
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	99	98	100	97	100	99	100	97	100	83	76
Sieve-U.S. Std. No. 10 (2mm)	%	98	99	98	99	85	99	96	97	93	97	69	73
Sieve-U.S. Std. No. 20 (0.85mm)	%	82	86	95	97	46	99	64	74	88	68	51	64
Sieve-U.S. Std. No. 40 (0.425mm)	%	34	84	92	95	19	98	14	26	81	19	22	46
Sieve-U.S. Std. No. 60 (0.25mm)	%	8	71	91	93	15	97	4	6	72	3	7	37
Sieve-U.S. Std. No. 140 (0.106mm)	%	4	48	77	78	14	88	3	3	48	0	4	25
Sieve-U.S. Std. No. 200 (0.075mm)	%	4.0	46	69	69	14	80	2.4	3.2	42	0.1	4.1	23
Grain Size Classification													
Gravel	%	1	1	2	0	3	0	1	0	3	0	17	24
Sand	%	95	53	29	31	83	20	96.6	96.8	55	99.9	78.9	53
Fines	%	4.0	46	69	69	14	80	2.4	3.2	42	0.1	4.1	23
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0.3	3.4	28.0	24.7	0.6	44.6	0.1	0.2	11.9	0	0.1	5.0
Hydrometer, Reading 2, Percent Passing	%	0.2	3.4	25.7	22.4	0.4	43.4	0.1	0.1	10.8	0	0.1	4.7
Hydrometer, Reading 3, Percent Passing	%	0.2	2.9	19.9	18.9	0.4	34.1	0.1	0.1	8.1	0	0.1	3.9
Hydrometer, Reading 4, Percent Passing	%	0.2	2.9	14.1	14.4	0.3	27.2	0.1	0	7.1	0	0.1	2.8
Hydrometer, Reading 5, Percent Passing	%	0.1	2.9	10.6	12.6	0.2	21.4	0.1	0	5.5	0	0.1	2.8
Hydrometer, Reading 6, Percent Passing	%	0.1	2.6	7.1	7.3	0.2	13.2	0	0	3.3	0	0	1.1
Hydrometer, Reading 7, Percent Passing	%	0.1	0.7	3.1	3.7	0.2	7.4	0	0	2.2	0	0	0.6
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	20.4 U	19.2 U	34.3 UJ	30.2 U	17.6 U	38.0 UJ	19.2 U	21.1 U	28.8 U	19.0 U	18.8 U	25.9 U
PCB-1221 (Aroclor 1221)	ug/kg	268	40.3 J	275 J	257	831	284 J	135	204	86.4 J	107	325	5830 J
PCB-1232 (Aroclor 1232)	ug/kg	20.4 U	19.2 U	34.3 UJ	30.2 U	17.6 U	38.0 UJ	19.2 U	21.1 U	28.8 U	19.0 U	18.8 U	25.9 U
PCB-1242 (Aroclor 1242)	ug/kg	562	73.3	351 J	338	3890	422 J	504	462	125	403	817	5250 J
PCB-1248 (Aroclor 1248)	ug/kg	20.4 U	19.2 U	34.3 UJ	30.2 U	17.6 U	38.0 UJ	19.2 U	21.1 U	28.8 U	19.0 U	18.8 U	25.9 U
PCB-1254 (Aroclor 1254)	ug/kg	42.7 J	19.2 U	108 J	103	278	149 J	40.4 J	40.6 J	35.2 J	32.1 J	54.1 J	566 J
PCB-1260 (Aroclor 1260)	ug/kg	20.4 U	19.2 U	34.3 UJ	30.2 U	17.6 U	38.0 UJ	19.2 U	21.1 U	28.8 U	19.0 U	18.8 U	25.9 U
Total PCBs	ug/kg	872.7	113.6	734	698	4999	855	679.4	706.6	246.6	542.1	1196.1	11646

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-138	HR17-OU2-R5-139	HR17-OU2-R5-139	HR17-OU2-R5-140	HR17-OU2-R5-141	HR17-OU2-R5-142	HR17-OU2-R5-143	HR17-OU2-R5-144	HR17-OU2-R5-145	HR17-OU2-R5-146	HR17-OU2-R5-147	HR17-OU2-R5-148
Sample Name		HR17-OU2-R5-138	HR17-OU2-R5-139	HR17-OU2-R5-FD11	HR17-OU2-R5-140	HR17-OU2-R5-141	HR17-OU2-R5-142	HR17-OU2-R5-143	HR17-OU2-R5-144	HR17-OU2-R5-145	HR17-OU2-R5-146	HR17-OU2-R5-147	HR17-OU2-R5-148
Sample Date		7/7/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017	7/7/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample				HR17-OU2-R5-139									
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	5330 J	4990 J	3320 J	15600	33500	1290	4030	16400	10800	2170	9900	4850
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	93	100	100	100	100	100	100	99	95	98	91
Sieve-US Std. 0.75-inch (19 mm)	%	100	92	96	100	100	100	100	98	99	89	98	83
Sieve-US Std. 0.375-inch (9.5 mm)	%	99	81	81	100	99	100	100	98	97	72	97	47
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	65	67	99	96	100	100	98	91	53	97	35
Sieve-U.S. Std. No. 10 (2mm)	%	96	51	54	92	89	99	100	97	80	41	96	32
Sieve-U.S. Std. No. 20 (0.85mm)	%	71	38	42	43	70	89	99	94	54	33	95	30
Sieve-U.S. Std. No. 40 (0.425mm)	%	25	24	27	10	30	36	87	92	18	22	94	28
Sieve-U.S. Std. No. 60 (0.25mm)	%	2	14	16	3	9	10	24	87	3	13	88	20
Sieve-U.S. Std. No. 140 (0.106mm)	%	0	9	10	2	5	5	9	58	1	6	50	9
Sieve-U.S. Std. No. 200 (0.075mm)	%	0.3	7.7	8.7	1.8	4.5	4.0	8.3	49	0.9	5.3	43	7.8
Grain Size Classification													
Gravel	%	1	35	33	1	4	0	0	2	9	47	3	65
Sand	%	98.7	57.3	58.3	97.2	91.5	96	91.7	49	90.1	47.7	54	27.2
Fines	%	0.3	7.7	8.7	1.8	4.5	4.0	8.3	49	0.9	5.3	43	7.8
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0	0.7	1.0	0	0.1	0.1	0.6	14.4	0	0.4	10.5	1.0
Hydrometer, Reading 2, Percent Passing	%	0	0.7	0.8	0	0.1	0.1	0.5	13.1	0	0.4	8.2	0.8
Hydrometer, Reading 3, Percent Passing	%	0	0.6	0.6	0	0.1	0.1	0.5	10.7	0	0.4	6.5	0.8
Hydrometer, Reading 4, Percent Passing	%	0	0.5	0.5	0	0.1	0.1	0.3	8.2	0	0.3	4.2	0.6
Hydrometer, Reading 5, Percent Passing	%	0	0.3	0.4	0	0.1	0.1	0.3	5.7	0	0.2	3.6	0.6
Hydrometer, Reading 6, Percent Passing	%	0	0.2	0.2	0	0	0	0.1	3.2	0	0.1	1.3	0.2
Hydrometer, Reading 7, Percent Passing	%	0	0	0	0	0	0	0	2.0	0	0	0.7	0.1
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	20.0 U	20.2 U	20.9 U	19.1 U	20.5 U	20.6 U	22.7 U	29.3 U	21.9 U	17.9 U	28.1 U	22.0 U
PCB-1221 (Aroclor 1221)	ug/kg	362	1610 J	258 J	245	727	20.6 U	22.7 U	243	865	168	267	177
PCB-1232 (Aroclor 1232)	ug/kg	20.0 U	20.2 U	20.9 U	19.1 U	20.5 U	20.6 U	22.7 U	29.3 U	21.9 U	17.9 U	28.1 U	22.0 U
PCB-1242 (Aroclor 1242)	ug/kg	1370 J	4620 J	451 J	824	2250	20.6 U	22.7 U	386	2560	264	336	314
PCB-1248 (Aroclor 1248)	ug/kg	20.0 U	20.2 U	20.9 U	19.1 U	20.5 U	20.6 U	22.7 U	29.3 U	21.9 U	17.9 U	28.1 U	22.0 U
PCB-1254 (Aroclor 1254)	ug/kg	127	492 J	52.6 J	58.1 J	159	20.6 U	22.7 U	83.8 J	176	29.3 J	107	67.6 J
PCB-1260 (Aroclor 1260)	ug/kg	20.0 U	20.2 U	20.9 U	19.1 U	20.5 U	20.6 U	22.7 U	29.3 U	21.9 U	17.9 U	28.1 U	22.0 U
Total PCBs	ug/kg	1859	6722	761.6	1127.1	3136	ND	ND	712.8	3601	461.3	710	558.6

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-149	HR17-OU2-R5-150	HR17-OU2-R5-151	HR17-OU2-R5-151	HR17-OU2-R5-152	HR17-OU2-R5-153	HR17-OU2-R5-154	HR17-OU2-R5-155	HR17-OU2-R5-156	HR17-OU2-R5-158	HR17-OU2-R5-159	HR17-OU2-R5-160
Sample Name		HR17-OU2-R5-149	HR17-OU2-R5-150	HR17-OU2-R5-151	HR17-OU2-R5-FD09	HR17-OU2-R5-152	HR17-OU2-R5-153	HR17-OU2-R5-154	HR17-OU2-R5-155	HR17-OU2-R5-156	HR17-OU2-R5-158	HR17-OU2-R5-159	HR17-OU2-R5-160
Sample Date		7/7/2017	7/5/2017	7/5/2017	7/5/2017	7/5/2017	7/5/2017	7/5/2017	7/5/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample					HR17-OU2-R5-151								
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	656	10500	29800 J	31900 J	7530	18900	1160	7710	23300 J	10400	1540	2200
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	93	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	93	100	100	98	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	100	100	99	89	100	100	92	98
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	100	100	100	99	100	88	84	100	100	84	87
Sieve-U.S. Std. No. 10 (2mm)	%	95	98	100	100	92	99	62	80	99	98	70	68
Sieve-U.S. Std. No. 20 (0.85mm)	%	71	76	96	93	54	94	25	71	99	86	47	54
Sieve-U.S. Std. No. 40 (0.425mm)	%	24	26	95	92	10	88	8	57	97	57	24	32
Sieve-U.S. Std. No. 60 (0.25mm)	%	4	8	95	91	5	80	4	37	93	41	11	14
Sieve-U.S. Std. No. 140 (0.106mm)	%	2	4	89	85	4	63	3	21	69	33	4	8
Sieve-U.S. Std. No. 200 (0.075mm)	%	1.8	3.6	83	79	3.5	57	2.2	18	62	30	3.5	7.1
Grain Size Classification													
Gravel	%	1	0	0	0	1	0	12	16	0	0	16	13
Sand	%	97.2	96.4	17	21	95.5	43	85.8	66	38	70	80.5	79.9
Fines	%	1.8	3.6	83	79	3.5	57	2.2	18	62	30	3.5	7.1
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0	0.2	44.5	42.4	0.2	20.1	0.2	2.5	21.7	5.9	0.2	0.3
Hydrometer, Reading 2, Percent Passing	%	0	0.2	43.1	42.4	0.2	19.2	0.2	2.2	17.6	4.6	0.1	0.2
Hydrometer, Reading 3, Percent Passing	%	0	0.2	29.2	29.1	0.2	15.6	0.1	2.2	15.3	3.9	0.1	0.1
Hydrometer, Reading 4, Percent Passing	%	0	0.2	25.0	23.8	0.2	11.9	0.1	1.7	12.6	3.1	0.1	0.1
Hydrometer, Reading 5, Percent Passing	%	0	0.2	20.8	19.9	0.2	10.1	0.1	1.7	9.9	2.3	0.1	0.1
Hydrometer, Reading 6, Percent Passing	%	0	0.1	12.5	13.2	0.2	5.5	0.1	1.0	5.4	1.3	0	0.1
Hydrometer, Reading 7, Percent Passing	%	0	0.1	9.7	10.6	0.2	4.5	0.1	1.0	2.7	0.6	0	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	19.9 U	20.8 U	37.6 UJ	38.3 UJ	18.1 U	30.3 U	20.5 U	20.1 U	35.5 UJ	25.3 U	18.6 U	19.1 U
PCB-1221 (Aroclor 1221)	ug/kg	111	808	562 J	452 J	598	322	611	60.8 J	645 J	135	43.4 J	347
PCB-1232 (Aroclor 1232)	ug/kg	19.9 U	20.8 U	37.6 UJ	38.3 UJ	18.1 U	30.3 U	20.5 U	20.1 U	35.5 UJ	25.3 U	18.6 U	19.1 U
PCB-1242 (Aroclor 1242)	ug/kg	381	1670	643 J	696 J	3140	495	1680 J	63.0 J	702 J	215	88.9	804
PCB-1248 (Aroclor 1248)	ug/kg	19.9 U	20.8 U	37.6 UJ	38.3 UJ	18.1 U	30.3 U	20.5 U	20.1 U	35.5 UJ	25.3 U	18.6 U	19.1 U
PCB-1254 (Aroclor 1254)	ug/kg	25.1 J	128	176 J	197 J	200	148	79.9	21.8 J	224 J	94.4	18.6 U	59.5 J
PCB-1260 (Aroclor 1260)	ug/kg	19.9 U	20.8 U	37.6 UJ	38.3 UJ	18.1 U	30.3 U	20.5 U	20.1 U	35.5 UJ	25.3 U	18.6 U	19.1 U
Total PCBs	ug/kg	517.1	2606	1381	1345	3938	965	2370.9	145.6	1571	444.4	132.3	1210.5

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-161	HR17-OU2-R5-162	HR17-OU2-R5-163	HR17-OU2-R5-164	HR17-OU2-R5-165	HR17-OU2-R5-166	HR17-OU2-R5-167	HR17-OU2-R5-167	HR17-OU2-R5-168	HR17-OU2-R5-169	HR17-OU2-R5-170	HR17-OU2-R5-171
Sample Name		HR17-OU2-R5-161	HR17-OU2-R5-162	HR17-OU2-R5-163	HR17-OU2-R5-164	HR17-OU2-R5-165	HR17-OU2-R5-166	HR17-OU2-R5-167	HR17-OU2-R5-FD05	HR17-OU2-R5-168	HR17-OU2-R5-169	HR17-OU2-R5-170	HR17-OU2-R5-171
Sample Date		8/23/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/27/2017	6/27/2017	6/27/2017	6/27/2017	6/27/2017	6/27/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample									HR17-OU2-R5-167				
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	28300 J	15300	4850	18900 J	7510	8170	3160 J	14900 J	13900	15400	22400 J	28500 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	91	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	85	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	98	100	100	74	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	98	85	100	100	45	100	99	98	99	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	97	68	100	99	35	99	98	94	99	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	100	95	55	100	98	27	97	96	83	96	100	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	88	43	95	89	24	83	82	53	91	96	91
Sieve-U.S. Std. No. 40 (0.425mm)	%	98	72	23	94	58	18	43	60	18	85	93	90
Sieve-U.S. Std. No. 60 (0.25mm)	%	98	52	10	90	39	13	10	21	5	76	90	90
Sieve-U.S. Std. No. 140 (0.106mm)	%	96	26	3	69	21	5	2	12	1	45	49	89
Sieve-U.S. Std. No. 200 (0.075mm)	%	92	21	2.7	59	19	4.2	2.3	12	0.1	39	43	88
Grain Size Classification													
Gravel	%	0	3	32	0	1	65	1	2	6	1	0	0
Sand	%	8	76	65.3	41	80	30.8	96.7	86	93.9	60	57	12
Fines	%	92	21	2.7	59	19	4.2	2.3	12	0.1	39	43	88
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	48.6	5.2	0.1	24.2	2.3	0.4	0.1	0.4	0	12.1	12.7	65.3
Hydrometer, Reading 2, Percent Passing	%	46.0	4.5	0.1	21.9	2.0	0.4	0.1	0.3	0	8.7	9.4	65.3
Hydrometer, Reading 3, Percent Passing	%	34.8	3.7	0.1	14.8	1.5	0.3	0.1	0.3	0	8.1	9.4	52.2
Hydrometer, Reading 4, Percent Passing	%	30.5	3.0	0.1	13.3	1.1	0.2	0.1	0.2	0	6.0	8.0	44.9
Hydrometer, Reading 5, Percent Passing	%	27.0	2.6	0.1	8.6	1.0	0.2	0	0.2	0	5.4	6.5	39.9
Hydrometer, Reading 6, Percent Passing	%	19.3	1.5	0	5.4	0.5	0.1	0	0.2	0	3.7	4.7	24.6
Hydrometer, Reading 7, Percent Passing	%	14.9	1.1	0	3.9	0.2	0	0	0	0	2.0	3.6	14.5
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	44.7 UJ	25.3 U	19.2 U	33.4 UJ	21.6 U	19.4 U	20.9 U	19.5 U	19.4 U	30.6 U	30.7 UJ	44.6 UJ
PCB-1221 (Aroclor 1221)	ug/kg	203 J	195	748	836 J	117	256	1570	1240	1510	59.6 J	813 J	1430 J
PCB-1232 (Aroclor 1232)	ug/kg	44.7 UJ	25.3 U	19.2 U	33.4 UJ	21.6 U	19.4 U	20.9 U	19.5 U	19.4 U	30.6 U	30.7 UJ	44.6 UJ
PCB-1242 (Aroclor 1242)	ug/kg	314 J	353	1890	1270 J	189	430	2510	2780	8330	88.3 J	1290 J	1530 J
PCB-1248 (Aroclor 1248)	ug/kg	44.7 UJ	25.3 U	19.2 U	33.4 UJ	21.6 U	19.4 U	20.9 U	19.5 U	19.4 U	30.6 U	30.7 UJ	44.6 UJ
PCB-1254 (Aroclor 1254)	ug/kg	153 J	90.3	156	623 J	109	47.4 J	271	233	204	30.6 U	217 J	223 J
PCB-1260 (Aroclor 1260)	ug/kg	44.7 UJ	25.3 U	19.2 U	33.4 UJ	21.6 U	19.4 U	20.9 U	19.5 U	19.4 U	30.6 U	30.7 UJ	44.6 UJ
Total PCBs	ug/kg	670	638.3	2794	2729	415	733.4	4351	4253	10044	147.9	2320	3183

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-172	HR17-OU2-R5-173	HR17-OU2-R5-174	HR17-OU2-R5-175	HR17-OU2-R5-176	HR17-OU2-R5-177	HR17-OU2-R5-178	HR17-OU2-R5-179	HR17-OU2-R5-179	HR17-OU2-R5-180	HR17-OU2-R5-181	HR17-OU2-R5-182
Sample Name		HR17-OU2-R5-172	HR17-OU2-R5-173	HR17-OU2-R5-174	HR17-OU2-R5-175	HR17-OU2-R5-176	HR17-OU2-R5-177	HR17-OU2-R5-178	HR17-OU2-R5-179	HR17-OU2-R5-FD06	HR17-OU2-R5-180	HR17-OU2-R5-181	HR17-OU2-R5-182
Sample Date		6/27/2017	6/27/2017	6/27/2017	6/27/2017	6/27/2017	6/28/2017	6/28/2017	6/28/2017	6/28/2017	6/28/2017	6/28/2017	6/28/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample										HR17-OU2-R5-179			
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	28900	12400	2850	1090	26000 J	4520	2300	12400	16600	2030	5330	2300 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	87	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	95	100	100	99	90	87	97
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	99	100	85	100	100	99	79	86	94
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	84	89	100	77	98	100	99	67	81	84
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	59	68	100	59	97	100	99	59	71	69
Sieve-U.S. Std. No. 10 (2mm)	%	100	100	41	52	100	48	95	99	99	46	57	52
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	93	31	39	97	36	83	99	98	34	39	37
Sieve-U.S. Std. No. 40 (0.425mm)	%	91	93	18	19	95	15	46	97	96	21	25	20
Sieve-U.S. Std. No. 60 (0.25mm)	%	55	84	9	9	93	7	19	93	91	13	19	9
Sieve-U.S. Std. No. 140 (0.106mm)	%	28	67	3	1	57	3	8	65	62	7	13	5
Sieve-U.S. Std. No. 200 (0.075mm)	%	26	59	2.5	0.9	43	2.9	7.1	55	53	5.6	11	4.0
Grain Size Classification													
Gravel	%	0	0	41	32	0	41	3	0	1	41	29	31
Sand	%	74	41	56.5	67.1	57	56.1	89.9	45	46	53.4	60	65
Fines	%	26	59	2.5	0.9	43	2.9	7.1	55	53	5.6	11	4.0
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	5.9	13.4	0.2	0	11.9	0.2	0.4	13.4	14.2	0.5	1.6	0.3
Hydrometer, Reading 2, Percent Passing	%	4.5	13.4	0.1	0	10.5	0.2	0.4	11.7	11.8	0.5	1.4	0.2
Hydrometer, Reading 3, Percent Passing	%	4.1	13.4	0.1	0	9.4	0.2	0.3	9.2	8.7	0.4	0.1	0.2
Hydrometer, Reading 4, Percent Passing	%	3.2	7.2	0.1	0	8.4	0.1	0.2	6.7	6.2	0.3	0.9	0.2
Hydrometer, Reading 5, Percent Passing	%	3.2	5.1	0.1	0	6.6	0.1	0.1	5.9	5.6	0.3	0.6	0.2
Hydrometer, Reading 6, Percent Passing	%	2.3	4.1	0	0	3.8	0.1	0.1	3.3	3.4	0.2	0.4	0.1
Hydrometer, Reading 7, Percent Passing	%	1.4	1.5	0	0	2.1	0	0.1	2.1	1.8	0.1	0.3	0.1
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	26.8 U	28.6 U	18.3 U	18.3 U	36.4 UJ	19.3 U	19.7 U	25.2 U	25.7 U	18.1 U	19.8 U	19.7 U
PCB-1221 (Aroclor 1221)	ug/kg	1010	42.4 J	337	157	280 J	46.1 J	19.7 U	421 J	665 J	111	35.0 J	72.9
PCB-1232 (Aroclor 1232)	ug/kg	26.8 U	28.6 U	18.3 U	18.3 U	36.4 UJ	19.3 U	19.7 U	25.2 U	25.7 U	18.1 U	19.8 U	19.7 U
PCB-1242 (Aroclor 1242)	ug/kg	1700	80.6 J	744	455	535 J	120	19.7 U	512	696	293	52.5 J	430
PCB-1248 (Aroclor 1248)	ug/kg	26.8 U	28.6 U	18.3 U	18.3 U	36.4 UJ	19.3 U	19.7 U	25.2 U	25.7 U	18.1 U	19.8 U	19.7 U
PCB-1254 (Aroclor 1254)	ug/kg	189	40.3 J	55.8 J	29.4 J	166 J	19.3 U	19.7 U	83.2	95.8	27.6 J	55.2 J	46.3 J
PCB-1260 (Aroclor 1260)	ug/kg	26.8 U	28.6 U	18.3 U	18.3 U	36.4 UJ	19.3 U	19.7 U	25.2 U	25.7 U	18.1 U	19.8 U	19.7 U
Total PCBs	ug/kg	2899	163.3	1136.8	641.4	981	166.1	ND	1016.2	1456.8	431.6	142.7	549.2

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-183	HR17-OU2-R5-184	HR17-OU2-R5-185	HR17-OU2-R5-186	HR17-OU2-R5-187	HR17-OU2-R5-187	HR17-OU2-R5-188	HR17-OU2-R5-189	HR17-OU2-R5-190	HR17-OU2-R5-191	HR17-OU2-R5-192	HR17-OU2-R5-192
Sample Name		HR17-OU2-R5-183	HR17-OU2-R5-184	HR17-OU2-R5-185	HR17-OU2-R5-186	HR17-OU2-R5-187	HR17-OU2-R5-FD07	HR17-OU2-R5-188	HR17-OU2-R5-189	HR17-OU2-R5-190	HR17-OU2-R5-191	HR17-OU2-R5-192	HR17-OU2-R5-FD04
Sample Date		6/28/2017	6/28/2017	6/28/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/22/2017	6/28/2017	6/22/2017	6/22/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample							HR17-OU2-R5-187						HR17-OU2-R5-192
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	13900	3030	12200	21100 J	3270 J	1860 J	4930	7310	8740	9420	6620 J	11800 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	98	88	100	73	100	94	99	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	95	100	99	96	85	99	58	100	81	99	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	83	100	98	75	64	77	31	99	57	99	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	70	99	98	60	51	56	22	99	41	99	100
Sieve-U.S. Std. No. 10 (2mm)	%	99	53	99	98	52	44	36	18	99	31	99	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	33	96	97	49	42	24	15	99	31	99	99
Sieve-U.S. Std. No. 40 (0.425mm)	%	98	19	92	96	41	32	14	9	97	22	90	93
Sieve-U.S. Std. No. 60 (0.25mm)	%	96	13	79	94	13	11	9	6	35	17	45	47
Sieve-U.S. Std. No. 140 (0.106mm)	%	48	9	41	30	3	5	3	3	25	13	30	31
Sieve-U.S. Std. No. 200 (0.075mm)	%	39	7.8	33	25	2.9	4.3	2.4	3.0	23	12	25	26
Grain Size Classification													
Gravel	%	0	30	1	2	40	49	44	78	1	59	1	0
Sand	%	61	62.2	66	73	57.1	46.7	53.6	19	76	29	74	74
Fines	%	39	7.8	33	25	2.9	4.3	2.4	3.0	23	12	25	26
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	9.3	0.5	6.2	4.3	0.1	0.2	0.1	0.3	3.2	1.3	3.6	4.0
Hydrometer, Reading 2, Percent Passing	%	7.6	0.5	5.4	3.7	0.1	0.1	0.1	0.2	3.2	0.9	3.3	3.7
Hydrometer, Reading 3, Percent Passing	%	6.0	0.5	4.6	3.1	0.1	0.1	0.1	0.2	2.5	0.7	2.9	2.7
Hydrometer, Reading 4, Percent Passing	%	4.9	0.3	3.5	2.4	0.1	0.1	0.1	0.2	2.5	0.6	2.2	2.3
Hydrometer, Reading 5, Percent Passing	%	4.4	0.3	3.1	2.0	0	0.1	0.1	0.1	2.1	0.5	2.2	2.0
Hydrometer, Reading 6, Percent Passing	%	2.7	0.2	1.9	1.2	0	0.1	0	0.1	1.4	0.4	1.4	1.5
Hydrometer, Reading 7, Percent Passing	%	1.6	0.1	1.1	0.4	0	0.1	0	0	0.7	0	0.7	0.7
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	24.2 U	19.5 U	28.1 U	26.2 U	19.5 U	19.3 U	19.0 U	19.3 U	23.4 U	18.6 U	21.4 U	24.6 U
PCB-1221 (Aroclor 1221)	ug/kg	304	114	350	726	1090 J	403 J	155	101	23.4 U	132	99.3	49.0 J
PCB-1232 (Aroclor 1232)	ug/kg	24.2 U	19.5 U	28.1 U	26.2 U	19.5 U	19.3 U	19.0 U	19.3 U	23.4 U	18.6 U	21.4 U	24.6 U
PCB-1242 (Aroclor 1242)	ug/kg	399	263	493	954	1780 J	894 J	521	294	36.7 J	348	130	70.9 J
PCB-1248 (Aroclor 1248)	ug/kg	24.2 U	19.5 U	28.1 U	26.2 U	19.5 U	19.3 U	19.0 U	19.3 U	23.4 U	18.6 U	21.4 U	24.6 U
PCB-1254 (Aroclor 1254)	ug/kg	71.5 J	34.9 J	121	106	119	102	48.2 J	39.4 J	23.4 U	41.4 J	28.0 J	24.6 U
PCB-1260 (Aroclor 1260)	ug/kg	24.2 U	19.5 U	28.1 U	26.2 U	19.5 U	19.3 U	19.0 U	19.3 U	23.4 U	18.6 U	21.4 U	24.6 U
Total PCBs	ug/kg	774.5	411.9	964	1786	2989	1399	724.2	434.4	36.7	521.4	257.3	119.9

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-193	HR17-OU2-R5-194	HR17-OU2-R5-195	HR17-OU2-R5-196	HR17-OU2-R5-198	HR17-OU2-R5-199	HR17-OU2-R5-199	HR17-OU2-R5-200	HR17-OU2-R5-201	HR17-OU2-R5-202	HR17-OU2-R5-203	HR17-OU2-R5-204
Sample Name		HR17-OU2-R5-193	HR17-OU2-R5-194	HR17-OU2-R5-195	HR17-OU2-R5-196	HR17-OU2-R5-198	HR17-OU2-R5-199	HR17-OU2-R5-FD03	HR17-OU2-R5-200	HR17-OU2-R5-201	HR17-OU2-R5-202	HR17-OU2-R5-203	HR17-OU2-R5-204
Sample Date		6/22/2017	6/26/2017	6/22/2017	6/22/2017	6/22/2017	6/22/2017	6/22/2017	6/28/2017	6/22/2017	6/22/2017	6/22/2017	6/21/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample								HR17-OU2-R5-199					
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	7900	38900	4750	11800 J	26700 J	4370	4500	46700	15200	5900	37000 J	37000 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	78	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	96	100	97	99	100	99	99	60	85	99	97	100
Sieve-US Std. 0.75-inch (19 mm)	%	96	100	97	99	100	99	99	57	85	99	96	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	96	99	97	99	100	99	98	50	85	99	96	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	96	98	97	99	100	99	98	46	85	99	96	100
Sieve-U.S. Std. No. 10 (2mm)	%	96	96	97	99	100	99	98	43	85	99	95	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	93	90	95	98	99	86	87	42	84	98	93	97
Sieve-U.S. Std. No. 40 (0.425mm)	%	77	79	89	93	98	42	46	39	82	95	89	93
Sieve-U.S. Std. No. 60 (0.25mm)	%	44	74	37	69	96	15	20	22	77	70	70	85
Sieve-U.S. Std. No. 140 (0.106mm)	%	30	42	16	39	70	10	15	4	58	28	29	73
Sieve-U.S. Std. No. 200 (0.075mm)	%	27	36	14	34	61	8.7	13	3.8	51	22	25	67
Grain Size Classification													
Gravel	%	4	2	3	1	0	1	2	54	15	1	4	0
Sand	%	69	62	83	65	39	90.3	85	42.2	34	77	71	33
Fines	%	27	36	14	34	61	8.7	13	3.8	51	22	25	67
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	3.3	9.0	1.0	6.5	20.9	0.7	1.0	0.4	17.2	3.6	4.5	31.5
Hydrometer, Reading 2, Percent Passing	%	2.9	8.4	1.0	5.7	19.3	0.5	1.0	0.3	16.4	2.8	4.5	26.2
Hydrometer, Reading 3, Percent Passing	%	2.9	7.2	1.0	3.7	12.5	0.5	1.0	0.3	11.5	2.5	3.5	21.0
Hydrometer, Reading 4, Percent Passing	%	2.5	6.6	1.0	3.3	10.9	0.4	0.8	0.2	9.8	2.1	2.9	15.7
Hydrometer, Reading 5, Percent Passing	%	2.0	6.0	0.9	2.8	8.8	0.3	0.8	0.2	6.9	1.9	2.2	11.8
Hydrometer, Reading 6, Percent Passing	%	1.2	4.5	0.6	1.6	5.0	0.2	0.6	0.1	4.9	1.1	1.3	6.5
Hydrometer, Reading 7, Percent Passing	%	0.8	3.0	0.4	0.4	3.3	0.2	0.2	0	2.0	0.5	0.6	3.9
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	23.5 U	27.6 U	1.9 U	24.0 UJ	35.7 UJ	20.9 U	21.5 U	21.2 U	25.8 U	22.5 U	34.8 UJ	40.1 UJ
PCB-1221 (Aroclor 1221)	ug/kg	185	662	2.2 J	111	77.6 J	20.9 U	21.5 U	1250	267	164	2290 J	242 J
PCB-1232 (Aroclor 1232)	ug/kg	23.5 U	27.6 U	1.9 U	24.0 U	35.7 UJ	20.9 U	21.5 U	21.2 U	25.8 U	22.5 U	34.8 UJ	40.1 UJ
PCB-1242 (Aroclor 1242)	ug/kg	278	1410 J	5.0 J	222	133 J	20.9 U	21.5 U	2180	374	220	3740 J	334 J
PCB-1248 (Aroclor 1248)	ug/kg	23.5 U	27.6 U	1.9 U	24.0 U	35.7 UJ	20.9 U	21.5 U	21.2 U	25.8 U	22.5 U	34.8 UJ	40.1 UJ
PCB-1254 (Aroclor 1254)	ug/kg	50.8 J	227	1.9 U	108	37.7 J	20.9 U	21.5 U	220	67.4 J	56.7 J	368 J	112 J
PCB-1260 (Aroclor 1260)	ug/kg	23.5 U	27.6 U	1.9 U	24.0 UJ	35.7 UJ	20.9 U	21.5 U	21.2 U	25.8 U	22.5 U	34.8 UJ	40.1 UJ
Total PCBs	ug/kg	513.8	2299	7.2	441	248.3	ND	ND	3650	708.4	440.7	6398	688

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample		HR17-OU2-R5-205	HR17-OU2-R5-207	HR17-OU2-R5-208	HR17-OU2-R5-210	HR17-OU2-R5-211	HR17-OU2-R5-212	HR17-OU2-R5-213	HR17-OU2-R5-214	HR17-OU2-R5-215	HR17-OU2-R5-219	HR17-OU2-R5-220	HR17-OU2-R5-221
Analyte													
Unit													
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	3520	4130	7610	25600 J	6790	20500 J	2650	2380	4960	17000	5080	25700 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	77	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	94	96	100	100	64	100	100	79	100	100	100	98
Sieve-US Std. 0.75-inch (19 mm)	%	88	77	88	100	60	100	95	76	100	100	98	98
Sieve-US Std. 0.375-inch (9.5 mm)	%	62	40	32	100	54	99	67	64	100	99	84	98
Sieve-U.S. Std. No. 4 (4.75mm)	%	50	22	10	100	49	99	43	58	98	98	64	98
Sieve-U.S. Std. No. 10 (2mm)	%	42	14	6	100	47	99	30	52	96	98	50	98
Sieve-U.S. Std. No. 20 (0.85mm)	%	38	10	4	98	46	98	21	39	80	98	48	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	25	6	3	98	45	98	14	23	51	97	46	97
Sieve-U.S. Std. No. 60 (0.25mm)	%	7	3	3	95	43	96	8	9	25	83	41	91
Sieve-U.S. Std. No. 140 (0.106mm)	%	1	1	1	77	37	77	3	2	4	31	33	69
Sieve-U.S. Std. No. 200 (0.075mm)	%	1.2	0.7	1.0	64	35	64	2.2	1.6	3.6	25	32	59
Grain Size Classification													
Gravel	%	50	78	90	0	51	1	57	42	2	2	36	2
Sand	%	48.8	21.3	9	36	14	35	40.8	56.4	94.4	73	32	39
Fines	%	1.2	0.7	1.0	64	35	64	2.2	1.6	3.6	25	32	59
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0.1	0	0.1	23.8	26.3	12.1	0.2	0.1	0.2	5.0	3.0	20.7
Hydrometer, Reading 2, Percent Passing	%	0	0	0.1	20.1	25.2	8.8	0.2	0.1	0.2	4.3	3.0	13.8
Hydrometer, Reading 3, Percent Passing	%	0	0	0.1	16.4	22.5	6.6	0.2	0.1	0.1	3.2	2.5	6.9
Hydrometer, Reading 4, Percent Passing	%	0	0	0.1	10.9	21.2	4.4	0.1	0	0.1	2.3	2.5	6.9
Hydrometer, Reading 5, Percent Passing	%	0	0	0.1	8.2	19.3	2.2	0.1	0	0.1	1.8	2.5	4.9
Hydrometer, Reading 6, Percent Passing	%	0	0	0	5.5	14.7	1.1	0	0	0.1	0.9	2.0	3.9
Hydrometer, Reading 7, Percent Passing	%	0	0	0	2.7	9.6	0	0	0	0	0.4	1.7	1.9
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	18.0 U	16.1 U	19.1 U	33.9 UJ	23.5 U	35.4 UJ	19.1 U	19.4 U	20.4 U	27.7 U	19.1 U	40.9 UJ
PCB-1221 (Aroclor 1221)	ug/kg	375	20.8 J	198	146 J	318	54.4 J	161	163	179	695	159	525 J
PCB-1232 (Aroclor 1232)	ug/kg	18.0 U	16.1 U	19.1 U	33.9 UJ	23.5 U	35.4 UJ	19.1 U	19.4 U	20.4 U	27.7 U	19.1 U	40.9 UJ
PCB-1242 (Aroclor 1242)	ug/kg	1250	153	411	238 J	257	73.4 J	496	364	394	908	530	636 J
PCB-1248 (Aroclor 1248)	ug/kg	18.0 U	16.1 U	19.1 U	33.9 UJ	23.5 U	35.4 UJ	19.1 U	19.4 U	20.4 U	27.7 U	19.1 U	40.9 UJ
PCB-1254 (Aroclor 1254)	ug/kg	108	16.1 U	33.2 J	93.7 J	27.1 J	35.4 UJ	48.2 J	38.1 J	52.6 J	118	60.5 J	141 J
PCB-1260 (Aroclor 1260)	ug/kg	18.0 U	16.1 U	19.1 U	33.9 UJ	23.5 U	35.4 UJ	19.1 U	19.4 U	20.4 U	27.7 U	19.1 U	40.9 UJ
Total PCBs	ug/kg	1733	173.8	642.2	477.7	602.1	127.8	705.2	565.1	625.6	1721	749.5	1302

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample		HR17-OU2-R5-223	HR17-OU2-R5-226	HR17-OU2-R5-228	HR17-OU2-R5-229	HR17-OU2-R5-229 HR17-OU2-R5-FD01	HR17-OU2-R5-230	HR17-OU2-R5-232	HR17-OU2-R5-233	HR17-OU2-R5-234	HR17-OU2-R5-235	HR17-OU2-R5-236	HR17-OU2-R5-236 HR17-OU2-R5-FD02
Analyte		Unit											
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	25900	12500	20000	29000 J	35500 J	1330	17700	10900	2780	22100 J	3520	3950
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	99	79	100	100	100	96	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	99	76	100	100	99	59	100	88	100	83	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	98	98	58	100	99	99	35	99	62	96	58	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	97	97	42	100	99	99	26	99	43	96	48	99
Sieve-U.S. Std. No. 10 (2mm)	%	95	96	29	100	99	98	23	99	32	95	45	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	95	93	22	98	98	88	20	99	20	91	45	99
Sieve-U.S. Std. No. 40 (0.425mm)	%	94	87	15	89	97	56	19	98	8	89	44	98
Sieve-U.S. Std. No. 60 (0.25mm)	%	86	45	5	88	96	15	15	94	2	83	35	82
Sieve-U.S. Std. No. 140 (0.106mm)	%	61	8	1	62	73	3	8	41	1	56	7	21
Sieve-U.S. Std. No. 200 (0.075mm)	%	47	6.2	0.2	51	62	1.5	5.4	30	0.3	52	3.1	12
Grain Size Classification													
Gravel	%	3	3	58	0	1	1	74	1	57	4	52	1
Sand	%	50	90.8	41.8	49	37	97.5	20.6	69	42.7	44	44.9	87
Fines	%	47	6.2	0.2	51	62	1.5	5.4	30	0.3	52	3.1	12
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	13.3	0.8	0	13.8	16.4	0.2	0.9	4.3	0	14.4	0.3	0.7
Hydrometer, Reading 2, Percent Passing	%	12.9	0.8	0	9.5	11.3	0.1	0.9	3.6	0	11.2	0.3	0.7
Hydrometer, Reading 3, Percent Passing	%	8.4	0.6	0	9.5	9.2	0.1	0.6	2.7	0	8.0	0.2	0.5
Hydrometer, Reading 4, Percent Passing	%	6.4	0.5	0	7.3	6.1	0.1	0.5	2.0	0	4.8	0.2	0.5
Hydrometer, Reading 5, Percent Passing	%	6.4	0.4	0	5.2	3.0	0.1	0.4	1.3	0	4.0	0.2	0.4
Hydrometer, Reading 6, Percent Passing	%	4.0	0.4	0	2.1	1.5	0.1	0.4	0.4	0	1.6	0.1	0.2
Hydrometer, Reading 7, Percent Passing	%	2.4	0.3	0	0	-1.1	0.1	0.4	0	0	-0.8	0.1	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	36.7 U	24.6 U	20.8 U	35.3 UJ	37.4 UJ	21.0 U	23.1 U	26.0 U	18.9 U	51.6 UJ	22.7 U	23.7 U
PCB-1221 (Aroclor 1221)	ug/kg	294	1800	221	701 J	642 J	21.0 U	3780	854	324	1160 J	314	228
PCB-1232 (Aroclor 1232)	ug/kg	36.7 U	24.6 U	20.8 U	35.3 UJ	37.4 UJ	21.0 U	23.1 U	26.0 U	18.9 U	51.6 UJ	22.7 U	23.7 U
PCB-1242 (Aroclor 1242)	ug/kg	365	4360	672	809 J	1110 J	21.0 U	5540	1450	1200	2030 J	427	345
PCB-1248 (Aroclor 1248)	ug/kg	36.7 U	24.6 U	20.8 U	35.3 UJ	37.4 UJ	21.0 U	23.1 U	26.0 U	18.9 U	51.6 UJ	22.7 U	23.7 U
PCB-1254 (Aroclor 1254)	ug/kg	77.3 J	409	72.9	325 J	359 J	21.0 U	514	207	107	334 J	81.8	88.3
PCB-1260 (Aroclor 1260)	ug/kg	36.7 U	24.6 U	20.8 U	35.3 UJ	37.4 UJ	21.0 U	23.1 U	26.0 U	18.9 U	51.6 UJ	22.7 U	23.7 U
Total PCBs	ug/kg	736.3	6569	965.9	1835	2111	ND	9834	2511	1631	3524	822.8	661.3

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R5-237	HR17-OU2-R5-242	HR17-OU2-R5-245	HR17-OU2-R5-245	HR17-OU2-R5-247	HR17-OU2-R5-253	HR17-OU2-R5-254	HR17-OU2-R5-255	HR17-OU2-R5-256	HR17-OU2-R5-256	HR17-OU2-R5-257	HR17-OU2-R5-OC1
Sample Name		HR17-OU2-R5-237	HR17-OU2-R5-242	HR17-OU2-R5-245	HR17-OU2-R5-FD23	HR17-OU2-R5-247	HR17-OU2-R5-253	HR17-OU2-R5-254	HR17-OU2-R5-255	HR17-OU2-R5-256	HR17-OU2-R5-FD14	HR17-OU2-R5-257	HR17-OU2-R5-OC1
Sample Date		6/20/2017	8/2/2017	8/2/2017	8/2/2017	8/3/2017	7/10/2017	7/10/2017	7/10/2017	7/10/2017	7/10/2017	7/10/2017	8/31/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-1.5 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-6 inches
Parent Sample					HR17-OU2-R5-245						HR17-OU2-R5-256		
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	3580	5110	5700 J	3570 J	42300	51900 J	1840	15900 J	38400 J	38800 J	50900 J	54900 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	97	100	100	100	100	100	100	100	100	59	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	91	98	95	100	99	100	100	100	100	58	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	64	80	78	88	77	100	100	100	100	58	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	41	57	57	85	42	100	100	100	100	57	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	27	47	42	71	28	100	100	100	100	57	100	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	18	36	26	41	20	90	98	98	97	56	87	100
Sieve-U.S. Std. No. 40 (0.425mm)	%	8	20	12	18	8	88	93	95	96	56	84	99
Sieve-U.S. Std. No. 60 (0.25mm)	%	3	11	3	7	3	87	70	80	95	55	83	99
Sieve-U.S. Std. No. 140 (0.106mm)	%	1	3	0	3	1	86	15	46	94	55	81	99
Sieve-U.S. Std. No. 200 (0.075mm)	%	0.4	1.8	0.1	2.6	1.0	85	8.8	38	92	54	80	99
Grain Size Classification													
Gravel	%	59	43	43	15	58	0	0	0	0	43	0	0
Sand	%	40.6	55.2	56.9	82.4	41	15	91.2	62	8	3	20	1
Fines	%	0.4	1.8	0.1	2.6	1.0	85	8.8	38	92	54	80	99
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0	0.2	0	0.3	0.1	54.3	0.6	10.7	59.7	34.6	48.6	77.6
Hydrometer, Reading 2, Percent Passing	%	0	0.2	0	0.2	0.1	50.9	0.5	9.7	57.6	31.9	41.7	73.6
Hydrometer, Reading 3, Percent Passing	%	0	0.1	0	0.2	0	42.5	0.4	7.9	45.6	26.9	37.2	57.8
Hydrometer, Reading 4, Percent Passing	%	0	0.1	0	0.2	0	35.1	0.4	7.2	38.6	22.4	32.6	44.3
Hydrometer, Reading 5, Percent Passing	%	0	0.1	0	0.2	0	30.0	0.3	5.8	31.5	18.4	26.8	32.4
Hydrometer, Reading 6, Percent Passing	%	0	0	0	0.2	0	15.8	0.3	3.8	20.3	12.1	18.8	15.0
Hydrometer, Reading 7, Percent Passing	%	0	0	0	0.1	0	7.4	0.2	2.4	11.8	6.7	10.8	8.7
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	19.3 U	19.8 U	19.2 U	19.3 U	20.5 U	80.2 UJ	21.9 U	38.0 UJ	54.7 UJ	56.6 UJ	61.3 UJ	65.6 UJ
PCB-1221 (Aroclor 1221)	ug/kg	2120	682	392 J	226 J	823	331 J	21.9 U	38.0 UJ	54.7 UJ	56.6 UJ	61.3 UJ	65.6 UJ
PCB-1232 (Aroclor 1232)	ug/kg	19.3 U	19.8 U	19.2 U	19.3 U	20.5 U	80.2 UJ	21.9 U	38.0 UJ	54.7 UJ	56.6 UJ	61.3 UJ	65.6 UJ
PCB-1242 (Aroclor 1242)	ug/kg	4010	1730	1060	829	1860	592 J	21.9 U	70.2 J	102 J	140 J	88.2 J	119 J
PCB-1248 (Aroclor 1248)	ug/kg	19.3 U	19.8 U	19.2 U	19.3 U	20.5 U	80.2 UJ	21.9 U	38.0 UJ	54.7 UJ	56.6 UJ	61.3 UJ	65.6 UJ
PCB-1254 (Aroclor 1254)	ug/kg	210	219	120	101	277	133 J	21.9 U	38.0 UJ	54.7 UJ	56.6 UJ	61.3 UJ	65.6 UJ
PCB-1260 (Aroclor 1260)	ug/kg	19.3 U	19.8 U	19.2 U	19.3 U	20.5 U	80.2 UJ	21.9 U	38.0 UJ	54.7 UJ	56.6 UJ	61.3 UJ	65.6 UJ
Total PCBs	ug/kg	6340	2630	1570	1160	2960	1060	ND	70.2	102	140	88.2	119

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2D Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 5, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R5-OC1-PC	HR17-OU2-R5-OC2	HR17-OU2-R5-OC3	HR17-OU2-R5-OC4	HR17-OU2-R5-OC4-PC	HR17-OU2-R5-OC5	HR17-OU2-R5-OC6	HR17-OU2-R5-OC6-PC	HR17-OU2-R5-OC6-PC	
Sample Name	HR17-OU2-R5-OC1-PC	HR17-OU2-R5-OC2	HR17-OU2-R5-OC3	HR17-OU2-R5-OC4	HR17-OU2-R5-OC4-PC	HR17-OU2-R5-OC5	HR17-OU2-R5-OC6	HR17-OU2-R5-FD24	HR17-OU2-R5-OC6-PC	
Sample Date	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	8/31/2017	
Sample Depth Interval	0-20.5 inches	0-6 inches	0-6 inches	0-6 inches	0-21.75 inches	0-6 inches	0-6 inches	0-16.5 inches	0-16.5 inches	
Parent Sample								HR17-OU2-R5-OC6-PC		
Analyte	Unit									
Total Organic Carbon (LLOYD KAHN)										
Total Organic Carbon	mg/kg	60000 J	60400 J	33600 J	56100 J	38400 J	66400 J	53500 J	36100 J	53000 J
Grain Size (D422)										
Sieve-US Std. 3-inch (75 mm)	%	NA	100	100	100	NA	100	100	NA	NA
Sieve-US Std. 2-inch (50 mm)	%	NA	100	100	100	NA	100	100	NA	NA
Sieve-US Std. 1.5-inch (37.5 mm)	%	NA	100	100	100	NA	100	100	NA	NA
Sieve-US Std. 1-inch (25 mm)	%	NA	100	100	100	NA	100	100	NA	NA
Sieve-US Std. 0.75-inch (19 mm)	%	NA	100	100	100	NA	100	100	NA	NA
Sieve-US Std. 0.375-inch (9.5 mm)	%	NA	100	100	100	NA	100	100	NA	NA
Sieve-U.S. Std. No. 4 (4.75mm)	%	NA	100	100	100	NA	97	100	NA	NA
Sieve-U.S. Std. No. 10 (2mm)	%	NA	100	99	99	NA	93	97	NA	NA
Sieve-U.S. Std. No. 20 (0.85mm)	%	NA	98	98	96	NA	88	94	NA	NA
Sieve-U.S. Std. No. 40 (0.425mm)	%	NA	98	98	95	NA	86	94	NA	NA
Sieve-U.S. Std. No. 60 (0.25mm)	%	NA	97	97	94	NA	84	93	NA	NA
Sieve-U.S. Std. No. 140 (0.106mm)	%	NA	97	97	93	NA	77	91	NA	NA
Sieve-U.S. Std. No. 200 (0.075mm)	%	NA	96	96	89	NA	69	87	NA	NA
Grain Size Classification										
Gravel	%	NA	0	0	0	NA	3	0	NA	NA
Sand	%	NA	4	4	11	NA	28	13	NA	NA
Fines	%	NA	96	96	89	NA	69	87	NA	NA
Hydrometer Readings (D422)										
Hydrometer, Reading 1, Percent Passing	%	NA	68.6	61.9	43.7	NA	27.4	31.9	NA	NA
Hydrometer, Reading 2, Percent Passing	%	NA	56.7	52.9	36.0	NA	21.9	28.8	NA	NA
Hydrometer, Reading 3, Percent Passing	%	NA	48.2	38.6	20.7	NA	13.3	21.0	NA	NA
Hydrometer, Reading 4, Percent Passing	%	NA	34.7	24.2	16.0	NA	11.7	13.2	NA	NA
Hydrometer, Reading 5, Percent Passing	%	NA	24.5	16.1	11.4	NA	7.0	8.5	NA	NA
Hydrometer, Reading 6, Percent Passing	%	NA	12.6	9.8	6.8	NA	4.6	4.6	NA	NA
Hydrometer, Reading 7, Percent Passing	%	NA	5.9	2.6	3.8	NA	0.7	2.3	NA	NA
PCBs (SW8082A)										
PCB-1016 (Aroclor 1016)	ug/kg	59.6 UJ	65.5 UJ	53.3 UJ	64.5 UJ	44.9 UJ	78.1 UJ	62.2 UJ	44.5 UJ	46.4 UJ
PCB-1221 (Aroclor 1221)	ug/kg	166 J	66.7 J	480 J	64.5 UJ	47.3 J	113 J	86.5 J	285 J	219 J
PCB-1232 (Aroclor 1232)	ug/kg	59.6 UJ	65.5 UJ	53.3 UJ	64.5 UJ	44.9 UJ	78.1 UJ	62.2 UJ	44.5 UJ	46.4 UJ
PCB-1242 (Aroclor 1242)	ug/kg	798 J	112 J	1060 J	87.4 J	151 J	557 J	198 J	1300 J	1060 J
PCB-1248 (Aroclor 1248)	ug/kg	59.6 UJ	65.5 UJ	53.3 UJ	64.5 UJ	44.9 UJ	78.1 UJ	62.2 UJ	44.5 UJ	46.4 UJ
PCB-1254 (Aroclor 1254)	ug/kg	59.6 UJ	65.5 UJ	23400 J	64.5 UJ	44.9 UJ	49500 J	62.2 UJ	44.5 UJ	46.4 UJ
PCB-1260 (Aroclor 1260)	ug/kg	59.6 UJ	65.5 UJ	53.3 UJ	64.5 UJ	44.9 UJ	78.1 UJ	62.2 UJ	44.5 UJ	46.4 UJ
Total PCBs	ug/kg	964	179	24900	87.4	198	50200	285	1590	1280

Notes:

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U = Indicates the analyte was not detected greater than the laboratory reporting limit.

ug/kg = Micrograms per Kilogram

mg/kg = Milligrams per Kilogram

NA = Not Analyzed, ND = Non-detect

Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.

Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-002	HR17-OU2-R4-003	HR17-OU2-R4-006	HR17-OU2-R4-007	HR17-OU2-R4-010	HR17-OU2-R4-011	HR17-OU2-R4-014	HR17-OU2-R4-015	HR17-OU2-R4-016	HR17-OU2-R4-017	HR17-OU2-R4-018	HR17-OU2-R4-019
Sample Name		HR17-OU2-R4-002	HR17-OU2-R4-003	HR17-OU2-R4-006	HR17-OU2-R4-007	HR17-OU2-R4-010	HR17-OU2-R4-011	HR17-OU2-R4-014	HR17-OU2-R4-015	HR17-OU2-R4-016	HR17-OU2-R4-017	HR17-OU2-R4-018	HR17-OU2-R4-019
Sample Date		8/9/2017	8/9/2017	8/9/2017	8/9/2017	8/9/2017	8/9/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	12400	33100 J	22300 J	22400 J	13000	15400	17600	32600 J	39800 J	21200	17300	16400 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	99	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	99	100	100	100	100	100	100	96	100	100	96	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	96	100	100	100	100	100	100	95	100	100	94	100
Sieve-U.S. Std. No. 10 (2mm)	%	85	100	100	100	100	100	100	95	99	99	89	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	67	100	100	99	99	100	97	92	96	98	85	100
Sieve-U.S. Std. No. 40 (0.425mm)	%	54	99	99	98	97	99	80	91	93	96	78	99
Sieve-U.S. Std. No. 60 (0.25mm)	%	47	99	98	97	95	98	56	89	88	93	65	93
Sieve-U.S. Std. No. 140 (0.106mm)	%	40	98	95	95	77	90	36	84	79	68	35	55
Sieve-U.S. Std. No. 200 (0.075mm)	%	37	97	93	94	65	83	13	76	72	50	30	29
Grain Size Classification													
Gravel	%	4	0	0	0	0	0	0	5	0	0	6	0
Sand	%	59	3	7	6	35	17	87	19	28	50	64	71
Fines	%	37	97	93	94	65	83	13	76	72	50	30	29
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	8.3	47.0	59.3	55.7	16.7	35.3	3.3	27.3	24.0	10.5	5.0	7.9
Hydrometer, Reading 2, Percent Passing	%	7.3	43.5	51.2	29.0	16.7	28.2	2.4	21.4	20.2	9.7	4.1	5.8
Hydrometer, Reading 3, Percent Passing	%	5.8	31.1	33.4	29.0	15.0	22.2	2.0	15.6	9.9	7.2	3.0	4.1
Hydrometer, Reading 4, Percent Passing	%	4.8	29.4	33.4	27.0	10.7	19.8	1.3	12.7	7.3	5.5	2.6	3.6
Hydrometer, Reading 5, Percent Passing	%	4.3	22.3	26.9	21.6	9.0	16.3	1.3	9.7	7.3	4.7	1.9	2.8
Hydrometer, Reading 6, Percent Passing	%	3.3	16.2	18.9	14.3	6.1	12.1	0.9	6.8	4.7	3.9	1.0	2.0
Hydrometer, Reading 7, Percent Passing	%	1.6	9.1	12.4	8.2	3.1	9.1	0.6	3.9	2.1	1.8	1.0	0.9
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	30.7 U	48.8 UJ	41.2 UJ	46.5 UJ	32.6 U	33.3 U	23.2 U	36.8 UJ	37.0 UJ	34.6 U	23.5 U	26.3 U
PCB-1221 (Aroclor 1221)	ug/kg	417	48.8 UJ	41.2 UJ	46.5 UJ	51.8 J	33.3 U	197	213 J	312 J	421	749	143
PCB-1232 (Aroclor 1232)	ug/kg	30.7 U	48.8 UJ	41.2 UJ	46.5 UJ	32.6 U	33.3 U	23.2 U	36.8 UJ	37.0 UJ	34.6 U	23.5 U	26.3 U
PCB-1242 (Aroclor 1242)	ug/kg	797	76.8 J	100 J	89.0 J	106	33.3 U	270	338 J	463 J	585	1190	234
PCB-1248 (Aroclor 1248)	ug/kg	30.7 U	48.8 UJ	41.2 UJ	46.5 UJ	32.6 U	33.3 U	23.2 U	36.8 UJ	37.0 UJ	34.6 U	23.5 U	26.3 U
PCB-1254 (Aroclor 1254)	ug/kg	64.6 J	48.8 UJ	41.2 UJ	46.5 UJ	32.6 U	33.3 U	65.8 J	107 J	131 J	117	97.9	42.1 J
PCB-1260 (Aroclor 1260)	ug/kg	30.7 U	48.8 UJ	41.2 UJ	46.5 UJ	32.6 U	33.3 U	23.2 U	36.8 UJ	37.0 UJ	34.6 U	23.5 U	26.3 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1280	81.5 J	166 J	125 J	189	33.3 U	533	658 J	907 J	1120	2040	418
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-020	HR17-OU2-R4-020	HR17-OU2-R4-021	HR17-OU2-R4-024	HR17-OU2-R4-025	HR17-OU2-R4-026	HR17-OU2-R4-028	HR17-OU2-R4-028	HR17-OU2-R4-029	HR17-OU2-R4-030	HR17-OU2-R4-031	HR17-OU2-R4-032
Sample Name		HR17-OU2-R4-020	HR17-OU2-R4-FD09	HR17-OU2-R4-021	HR17-OU2-R4-024	HR17-OU2-R4-025	HR17-OU2-R4-026	HR17-OU2-R4-028	HR17-OU2-R4-FD14	HR17-OU2-R4-029	HR17-OU2-R4-030	HR17-OU2-R4-031	HR17-OU2-R4-032
Sample Date		8/7/2017	8/7/2017	8/9/2017	8/7/2017	8/7/2017	8/7/2017	8/9/2017	8/9/2017	8/9/2017	8/7/2017	8/7/2017	8/9/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample			HR17-OU2-R4-020						HR17-OU2-R4-028				
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	10900	12000	16500	16900	13400	19300	15400	14700	7960	10900	10100	19800 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	99	99	100	100	97	98	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	100	99	99	99	100	99	94	98	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	100	100	100	93	96	98	98	98	88	98	100	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	100	99	86	87	95	94	94	81	97	100	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	98	99	98	76	75	89	86	85	71	96	99	97
Sieve-U.S. Std. No. 60 (0.25mm)	%	96	97	96	64	63	76	73	72	46	92	97	95
Sieve-U.S. Std. No. 140 (0.106mm)	%	71	72	81	47	43	41	44	45	18	44	70	86
Sieve-U.S. Std. No. 200 (0.075mm)	%	58	42	71	41	32	33	35	39	14	34	56	81
Grain Size Classification													
Gravel	%	0	0	0	1	1	1	0	1	6	2	0	0
Sand	%	42	58	29	58	67	66	65	60	80	64	44	19
Fines	%	58	42	71	41	32	33	35	39	14	34	56	81
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	14.9	13.4	24.1	7.2	4.9	6.8	12.9	7.7	2.4	6.0	11.8	31.4
Hydrometer, Reading 2, Percent Passing	%	11.2	9.1	21.1	6.2	4.0	5.5	12.3	6.6	2.2	5.7	10.2	28.4
Hydrometer, Reading 3, Percent Passing	%	8.1	6.9	16.7	4.1	2.8	4.6	9.9	5.7	1.8	4.2	7.0	21.5
Hydrometer, Reading 4, Percent Passing	%	6.0	4.4	15.3	3.8	2.1	3.0	7.5	4.3	1.6	2.6	5.8	19.5
Hydrometer, Reading 5, Percent Passing	%	6.0	4.1	11.9	2.7	1.4	3.0	6.9	3.8	1.5	2.0	4.6	15.0
Hydrometer, Reading 6, Percent Passing	%	3.9	2.6	8.9	1.9	1.2	1.7	5.1	2.6	1.2	0.4	2.6	10.6
Hydrometer, Reading 7, Percent Passing	%	1.8	2.3	5.5	1.4	0.8	1.1	3.4	2.1	0.9	0.4	1.3	7.6
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	25.9 U	23.5 U	34.1 U	26.3 U	25.7 U	27.9 U	31.8 U	30.7 U	30.4 U	24.6 U	26.6 U	39.7 UJ
PCB-1221 (Aroclor 1221)	ug/kg	52.9 J	57.9 J	34.1 U	336	176	7740 J	906	724	872	137	65.9 J	39.7 UJ
PCB-1232 (Aroclor 1232)	ug/kg	25.9 U	23.5 U	34.1 U	26.3 U	25.7 U	27.9 U	31.8 U	30.7 U	30.4 U	24.6 U	26.6 U	39.7 UJ
PCB-1242 (Aroclor 1242)	ug/kg	115	102	74.5 J	458	244	6590 J	1320	890	960	232	137	74.4 J
PCB-1248 (Aroclor 1248)	ug/kg	25.9 U	23.5 U	34.1 U	26.3 U	25.7 U	27.9 U	31.8 U	30.7 U	30.4 U	24.6 U	26.6 U	39.7 UJ
PCB-1254 (Aroclor 1254)	ug/kg	278 J	29.9 J	34.1 U	97.7	48.8 J	704 J	116	83.4	72.8 J	42.0 J	35.4 J	39.7 UJ
PCB-1260 (Aroclor 1260)	ug/kg	25.9 U	23.5 U	34.1 U	26.3 U	25.7 U	27.9 U	31.8 U	30.7 U	30.4 U	24.6 U	26.6 U	39.7 UJ
Polychlorinated Biphenyl (PCBs)	ug/kg	446 J	190 J	107	892	469	15000 J	2340	1700	1910	411	238	108 J
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-033	HR17-OU2-R4-034	HR17-OU2-R4-035	HR17-OU2-R4-036	HR17-OU2-R4-037	HR17-OU2-R4-038	HR17-OU2-R4-039	HR17-OU2-R4-040	HR17-OU2-R4-041	HR17-OU2-R4-042	HR17-OU2-R4-043	HR17-OU2-R4-044
Sample Name		HR17-OU2-R4-033	HR17-OU2-R4-034	HR17-OU2-R4-035	HR17-OU2-R4-036	HR17-OU2-R4-037	HR17-OU2-R4-038	HR17-OU2-R4-039	HR17-OU2-R4-040	HR17-OU2-R4-041	HR17-OU2-R4-042	HR17-OU2-R4-043	HR17-OU2-R4-044
Sample Date		8/9/2017	8/1/2017	8/1/2017	8/1/2017	8/1/2017	8/1/2017	8/7/2017	8/9/2017	8/9/2017	8/1/2017	8/1/2017	8/1/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	15300	10900	16700	15700	14000	22300	12800	25100 J	22900 J	19100	5770	2620
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	91	100	100	99	100	100	100	100	100	97	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	83	100	100	97	100	98	100	100	100	88	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	77	100	100	93	99	98	100	100	100	79	100
Sieve-U.S. Std. No. 10 (2mm)	%	100	69	100	100	88	99	98	100	100	99	67	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	60	98	54	80	98	97	100	99	96	51	95
Sieve-U.S. Std. No. 40 (0.425mm)	%	96	44	92	51	74	95	96	100	96	89	20	77
Sieve-U.S. Std. No. 60 (0.25mm)	%	86	39	82	44	69	90	90	100	85	77	14	70
Sieve-U.S. Std. No. 140 (0.106mm)	%	55	36	53	22	67	40	39	96	61	46	3	69
Sieve-U.S. Std. No. 200 (0.075mm)	%	48	32	41	12	60	28	31	90	52	30	0.7	67
Grain Size Classification													
Gravel	%	0	23	0	0	7	1	2	0	0	0	21	0
Sand	%	52	45	59	88	33	71	67	10	48	70	78.3	33
Fines	%	48	32	41	12	60	28	31	90	52	30	0.7	67
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	11.5	4.9	11.7	2.2	14.1	6.8	5.6	39.7	16.0	7.0	0.1	5.6
Hydrometer, Reading 2, Percent Passing	%	9.7	4.5	9.7	1.8	12.0	6.2	5.0	35.6	13.0	5.4	0.1	5.6
Hydrometer, Reading 3, Percent Passing	%	8.0	3.6	7.5	1.1	9.6	4.9	3.7	32.8	12.3	5.4	0.1	5.2
Hydrometer, Reading 4, Percent Passing	%	7.4	2.9	7.2	0.9	7.6	3.7	2.5	24.5	10.8	3.9	0.1	4.7
Hydrometer, Reading 5, Percent Passing	%	5.6	2.2	6.2	0.9	6.2	3.0	2.5	17.6	8.2	3.1	0.1	3.9
Hydrometer, Reading 6, Percent Passing	%	4.2	1.5	4.3	0.5	4.5	1.9	1.4	12.0	6.4	2.1	0	3.1
Hydrometer, Reading 7, Percent Passing	%	3.9	0.8	2.7	0.2	2.5	0.8	0.4	9.2	4.9	0.8	0	2.2
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	30.8 U	22.0 U	24.3 U	25.8 U	23.8 U	26.9 U	23.3 U	43.4 UJ	39.7 UJ	25.6 U	20.9 U	21.0 U
PCB-1221 (Aroclor 1221)	ug/kg	626	195	573	545	560	824	154	43.4 UJ	155 J	792	280	127
PCB-1232 (Aroclor 1232)	ug/kg	30.8 U	22.0 U	24.3 U	25.8 U	23.8 U	26.9 U	23.3 U	43.4 UJ	39.7 UJ	25.6 U	20.9 U	21.0 U
PCB-1242 (Aroclor 1242)	ug/kg	668	237	710	806	686	890	292	56.4 J	223 J	1180	738	143
PCB-1248 (Aroclor 1248)	ug/kg	30.8 U	22.0 U	24.3 U	25.8 U	23.8 U	26.9 U	23.3 U	43.4 UJ	39.7 UJ	25.6 U	20.9 U	21.0 U
PCB-1254 (Aroclor 1254)	ug/kg	106	34.0 J	98.3	123	75.9	140	48.2 J	43.4 UJ	68.8 J	147	671	21.0 U
PCB-1260 (Aroclor 1260)	ug/kg	30.8 U	22.0 U	24.3 U	25.8 U	23.8 U	26.9 U	23.3 U	43.4 UJ	39.7 UJ	25.6 U	20.9 U	21.0 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1400	467	1380	1470	1320	1850	494	56.4 J	447 J	2120	1690	271
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-046	HR17-OU2-R4-047	HR17-OU2-R4-048	HR17-OU2-R4-049	HR17-OU2-R4-050	HR17-OU2-R4-051	HR17-OU2-R4-052	HR17-OU2-R4-053	HR17-OU2-R4-053	HR17-OU2-R4-054	HR17-OU2-R4-055	HR17-OU2-R4-056
Sample Name		HR17-OU2-R4-046	HR17-OU2-R4-047	HR17-OU2-R4-048	HR17-OU2-R4-049	HR17-OU2-R4-050	HR17-OU2-R4-051	HR17-OU2-R4-052	HR17-OU2-R4-053	HR17-OU2-R4-FD03	HR17-OU2-R4-054	HR17-OU2-R4-055	HR17-OU2-R4-056
Sample Date		8/1/2017	8/7/2017	8/7/2017	8/7/2017	8/9/2017	7/31/2017	7/31/2017	8/1/2017	8/1/2017	8/1/2017	8/5/2017	8/7/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample										HR17-OU2-R4-053			
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	24300	11800	12000	16100	24600	15600	14200	18300	21700	15400 J	42800 J	23600
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	96	99	100	100	100	100	100	100	99	92	96
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	95	99	100	100	99	97	100	99	99	90	96
Sieve-U.S. Std. No. 10 (2mm)	%	100	95	99	100	99	98	95	100	98	98	84	95
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	94	99	100	91	94	91	98	97	97	79	93
Sieve-U.S. Std. No. 40 (0.425mm)	%	96	93	98	99	72	85	83	52	93	92	71	92
Sieve-U.S. Std. No. 60 (0.25mm)	%	89	86	96	98	49	70	70	43	86	80	69	86
Sieve-U.S. Std. No. 140 (0.106mm)	%	58	32	64	78	13	46	43	26	82	53	56	37
Sieve-U.S. Std. No. 200 (0.075mm)	%	50	24	49	67	9.1	38	34	17	72	45	50	27
Grain Size Classification													
Gravel	%	0	5	1	0	0	1	3	0	1	1	10	4
Sand	%	50	71	50	33	90.9	61	63	83	27	54	40	69
Fines	%	50	24	49	67	9.1	38	34	17	72	45	50	27
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	8.0	3.3	10.6	13.3	2.5	11.5	8.9	2.9	19.8	5.7	16.7	4.1
Hydrometer, Reading 2, Percent Passing	%	7.5	2.9	8.9	7.6	2.3	10.1	7.6	2.9	18.3	5.1	15.7	4.1
Hydrometer, Reading 3, Percent Passing	%	5.4	2.4	6.4	6.4	1.9	7.6	5.8	2.5	14.5	4.1	13.2	3.1
Hydrometer, Reading 4, Percent Passing	%	5.2	1.6	3.9	5.3	1.3	6.6	4.2	2.1	11.6	3.3	8.8	2.2
Hydrometer, Reading 5, Percent Passing	%	4.4	1.4	3.9	4.2	1.3	6.2	3.7	1.6	9.2	2.7	7.3	1.7
Hydrometer, Reading 6, Percent Passing	%	3.1	0.6	1.0	1.9	0.7	4.8	2.7	1.1	6.4	2.2	3.4	0.5
Hydrometer, Reading 7, Percent Passing	%	1.3	0.2	0.6	0.8	0.6	3.7	0.7	0.7	3.5	1.1	0.9	0.3
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	24.0 U	24.6 U	24.9 U	27.9 U	34.7 U	23.4 U	23.2 U	28.2 U	25.7 U	22.4 U	43.5 UJ	26.0 U
PCB-1221 (Aroclor 1221)	ug/kg	467	355	63.7 J	27.9 U	8970 J	451	603	930	970	485	138 J	611
PCB-1232 (Aroclor 1232)	ug/kg	24.0 U	24.6 U	24.9 U	27.9 U	34.7 U	23.4 U	23.2 U	28.2 U	25.7 U	22.4 U	43.5 UJ	26.0 U
PCB-1242 (Aroclor 1242)	ug/kg	781	742	123	43.0 J	6030 J	616	666	977	1090	534	281 J	1270
PCB-1248 (Aroclor 1248)	ug/kg	24.0 U	24.6 U	24.9 U	27.9 U	34.7 U	23.4 U	23.2 U	28.2 U	25.7 U	22.4 U	43.5 UJ	26.0 U
PCB-1254 (Aroclor 1254)	ug/kg	96.7	105	59.7 J	27.9 U	638 J	85.7	77.3	135	133	65.2 J	63.4 J	219
PCB-1260 (Aroclor 1260)	ug/kg	24.0 U	24.6 U	24.9 U	27.9 U	34.7 U	23.4 U	23.2 U	28.2 U	25.7 U	22.4 U	43.5 UJ	26.0 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1340	1200	246	43.0 J	15600 J	1150	1350	2040	2190	1080	482 J	2090
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-057	HR17-OU2-R4-058	HR17-OU2-R4-058	HR17-OU2-R4-059	HR17-OU2-R4-060	HR17-OU2-R4-061	HR17-OU2-R4-062	HR17-OU2-R4-063	HR17-OU2-R4-064	HR17-OU2-R4-065	HR17-OU2-R4-066	HR17-OU2-R4-067
Sample Name		HR17-OU2-R4-057	HR17-OU2-R4-058	HR17-OU2-R4-FD10	HR17-OU2-R4-059	HR17-OU2-R4-060	HR17-OU2-R4-061	HR17-OU2-R4-062	HR17-OU2-R4-063	HR17-OU2-R4-064	HR17-OU2-R4-065	HR17-OU2-R4-066	HR17-OU2-R4-067
Sample Date		8/7/2017	8/8/2017	8/8/2017	8/9/2017	7/31/2017	7/31/2017	7/31/2017	7/31/2017	8/2/2017	8/7/2017	8/7/2017	8/8/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample				HR17-OU2-R4-058									
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	15600	25300 J	23600 J	11800	4070	19700 J	22000	36100 J	15400	6570	10400	19000
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	99	100	100	100	100	95	100	100	100	96	99	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	98	100	100	100	97	92	100	98	100	96	99	100
Sieve-U.S. Std. No. 10 (2mm)	%	98	100	100	99	90	89	99	96	100	95	99	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	99	99	98	81	84	98	89	98	94	98	99
Sieve-U.S. Std. No. 40 (0.425mm)	%	98	98	98	94	54	79	93	84	92	87	97	98
Sieve-U.S. Std. No. 60 (0.25mm)	%	94	97	97	87	39	74	83	82	75	59	88	96
Sieve-U.S. Std. No. 140 (0.106mm)	%	58	88	89	54	9	61	57	69	39	32	41	77
Sieve-U.S. Std. No. 200 (0.075mm)	%	45	78	81	45	3.2	55	46	55	34	27	33	65
Grain Size Classification													
Gravel	%	2	0	0	0	3	8	0	2	0	4	1	0
Sand	%	53	22	19	55	93.8	37	54	43	66	69	66	35
Fines	%	45	78	81	45	3.2	55	46	55	34	27	33	65
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	8.9	32.0	31.4	13.0	0.4	21.0	8.4	18.5	7.8	5.1	5.5	22.4
Hydrometer, Reading 2, Percent Passing	%	5.7	24.9	26.1	11.2	0.4	15.4	7.3	18.5	6.5	4.9	3.2	21.3
Hydrometer, Reading 3, Percent Passing	%	4.4	19.9	20.7	8.2	0.3	15.4	5.1	15.8	5.1	3.5	1.8	14.7
Hydrometer, Reading 4, Percent Passing	%	4.4	15.6	18.0	7.0	0.2	12.5	3.2	12.1	3.8	3.0	1.8	12.5
Hydrometer, Reading 5, Percent Passing	%	3.7	10.6	12.0	6.1	0.1	9.7	3.2	9.9	3.8	2.7	1.2	9.2
Hydrometer, Reading 6, Percent Passing	%	1.4	4.9	7.3	4.6	0.1	5.0	1.0	7.8	2.9	1.4	0.7	3.7
Hydrometer, Reading 7, Percent Passing	%	0.4	2.0	1.9	4.0	0.1	1.2	1.0	6.2	1.7	0.4	0.4	1.0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	25.5 U	41.4 UJ	39.8 UJ	31.1 U	21.4 U	34.0 UJ	31.3 U	36.1 UJ	23.3 U	23.9 U	25.9 U	37.4 U
PCB-1221 (Aroclor 1221)	ug/kg	83.0	41.4 UJ	39.8 UJ	542	46800 J	582 J	968	330 J	322	417	138	37.4 U
PCB-1232 (Aroclor 1232)	ug/kg	25.5 U	41.4 UJ	39.8 UJ	31.1 U	21.4 U	34.0 UJ	31.3 U	36.1 UJ	23.3 U	23.9 U	25.9 U	37.4 U
PCB-1242 (Aroclor 1242)	ug/kg	142	41.4 UJ	41.7 J	608	18400 J	545 J	934	414 J	573	572	275	56.5 J
PCB-1248 (Aroclor 1248)	ug/kg	25.5 U	41.4 UJ	39.8 UJ	31.1 U	21.4 U	34.0 UJ	31.3 U	36.1 UJ	23.3 U	23.9 U	25.9 U	37.4 U
PCB-1254 (Aroclor 1254)	ug/kg	30.8 J	41.4 UJ	39.8 UJ	102	1920 J	76.1 J	134	78.5 J	77.0	73.2 J	55.0 J	37.4 U
PCB-1260 (Aroclor 1260)	ug/kg	25.5 U	41.4 UJ	39.8 UJ	31.1 U	21.4 U	34.0 UJ	31.3 U	36.1 UJ	23.3 U	23.9 U	25.9 U	37.4 U
Polychlorinated Biphenyl (PCBs)	ug/kg	255	41.4 UJ	41.7 J	1250	67200 J	1200 J	2040	822 J	972	1060	468	56.5 J

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-068	HR17-OU2-R4-070	HR17-OU2-R4-071	HR17-OU2-R4-072	HR17-OU2-R4-073	HR17-OU2-R4-074	HR17-OU2-R4-075	HR17-OU2-R4-076	HR17-OU2-R4-077	HR17-OU2-R4-078	HR17-OU2-R4-079	HR17-OU2-R4-079
Sample Name		HR17-OU2-R4-068	HR17-OU2-R4-070	HR17-OU2-R4-071	HR17-OU2-R4-072	HR17-OU2-R4-073	HR17-OU2-R4-074	HR17-OU2-R4-075	HR17-OU2-R4-076	HR17-OU2-R4-077	HR17-OU2-R4-078	HR17-OU2-R4-079	HR17-OU2-R4-FD02
Sample Date		7/31/2017	7/31/2017	7/31/2017	8/2/2017	8/4/2017	8/7/2017	8/8/2017	8/25/2017	8/9/2017	7/31/2017	7/31/2017	7/31/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													HR17-OU2-R4-079
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	21700 J	18100	18000	11800	21600	10500	16300 J	31100 J	24000	24700 J	17300	25000
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	100	97	100	100	100	98	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	99	99	99	100	97	100	100	100	96	99	99
Sieve-U.S. Std. No. 10 (2mm)	%	99	93	96	98	98	97	100	100	100	94	99	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	97	84	93	94	90	96	99	98	100	89	96	96
Sieve-U.S. Std. No. 40 (0.425mm)	%	90	75	87	86	87	93	98	97	99	85	92	92
Sieve-U.S. Std. No. 60 (0.25mm)	%	79	67	75	73	66	78	96	96	97	81	84	84
Sieve-U.S. Std. No. 140 (0.106mm)	%	58	57	46	49	31	33	69	96	73	63	54	54
Sieve-U.S. Std. No. 200 (0.075mm)	%	49	49	37	40	25	15	54	93	63	54	44	44
Grain Size Classification													
Gravel	%	0	1	1	1	0	3	0	0	0	4	1	1
Sand	%	51	50	62	59	75	82	46	7	37	42	55	55
Fines	%	49	49	37	40	25	15	54	93	63	54	44	44
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	15.0	15.3	10.2	9.0	6.2	2.0	14.2	57.8	19.0	21.4	12.8	12.8
Hydrometer, Reading 2, Percent Passing	%	15.0	14.8	9.6	6.6	5.1	1.8	12.5	48.0	17.2	18.3	10.1	10.1
Hydrometer, Reading 3, Percent Passing	%	9.2	13.0	7.6	6.0	4.3	1.4	9.9	35.7	13.5	13.0	7.8	7.8
Hydrometer, Reading 4, Percent Passing	%	9.2	9.3	5.8	5.4	3.9	1.2	7.7	23.3	10.7	11.4	6.3	6.3
Hydrometer, Reading 5, Percent Passing	%	9.2	8.4	4.9	5.4	3.2	1.1	6.4	19.8	10.7	9.8	6.3	6.3
Hydrometer, Reading 6, Percent Passing	%	5.6	6.6	4.3	3.9	3.0	0.5	2.5	10.9	8.4	7.7	4.0	4.0
Hydrometer, Reading 7, Percent Passing	%	5.6	4.3	3.7	1.8	2.1	0.4	2.1	6.5	5.7	5.6	2.5	2.5
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	26.9 U	27.5 U	23.3 U	23.9 U	23.9 U	29.7 U	34.2 U	50.5 UJ	36.3 U	33.4 UJ	25.1 U	25.1 U
PCB-1221 (Aroclor 1221)	ug/kg	482	166	611	699	507	618	53.8 J	50.5 UJ	1350	927 J	939	663
PCB-1232 (Aroclor 1232)	ug/kg	26.9 U	27.5 U	23.3 U	23.9 U	23.9 U	29.7 U	34.2 U	50.5 UJ	36.3 U	33.4 UJ	25.1 U	25.1 U
PCB-1242 (Aroclor 1242)	ug/kg	668	238	801	825	911	965	110	92.2 J	1790	965 J	1260	890
PCB-1248 (Aroclor 1248)	ug/kg	26.9 U	27.5 U	23.3 U	23.9 U	23.9 U	29.7 U	34.2 U	50.5 UJ	36.3 U	33.4 UJ	25.1 U	25.1 U
PCB-1254 (Aroclor 1254)	ug/kg	108	51.6 J	90.2	90.1	104	87.4	34.2 U	50.5 UJ	188	133 J	149	111
PCB-1260 (Aroclor 1260)	ug/kg	26.9 U	27.5 U	23.3 U	23.9 U	23.9 U	29.7 U	34.2 U	50.5 UJ	36.3 U	33.4 UJ	25.1 U	25.1 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1260	455	1500	1610	1520	1670	164	133 J	3330	2020 J	2350	1660
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-080	HR17-OU2-R4-081	HR17-OU2-R4-082	HR17-OU2-R4-082	HR17-OU2-R4-083	HR17-OU2-R4-084	HR17-OU2-R4-084	HR17-OU2-R4-085	HR17-OU2-R4-086	HR17-OU2-R4-086	HR17-OU2-R4-087	HR17-OU2-R4-088
Sample Name		HR17-OU2-R4-080	HR17-OU2-R4-081	HR17-OU2-R4-082	HR17-OU2-R4-FD05	HR17-OU2-R4-083	HR17-OU2-R4-084	HR17-OU2-R4-FD12	HR17-OU2-R4-085	HR17-OU2-R4-086	HR17-OU2-R4-FD15	HR17-OU2-R4-087	HR17-OU2-R4-088
Sample Date		7/31/2017	8/3/2017	8/3/2017	8/3/2017	8/4/2017	8/8/2017	8/8/2017	8/25/2017	8/9/2017	8/9/2017	8/3/2017	8/3/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample					HR17-OU2-R4-082			HR17-OU2-R4-084			HR17-OU2-R4-086		
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	31500 J	12800 J	5280	4980	6980	12700	14500	24800 J	20100 J	32300 J	14000	38400 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	91	98	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	97	98	79	84	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	96	88	64	65	98	100	100	100	100	100	98	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	94	81	50	50	97	100	100	100	99	98	96	100
Sieve-U.S. Std. No. 10 (2mm)	%	92	74	41	39	96	100	100	99	96	95	92	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	86	73	31	30	93	99	99	98	93	89	87	99
Sieve-U.S. Std. No. 40 (0.425mm)	%	80	72	23	30	86	98	98	98	90	84	80	97
Sieve-U.S. Std. No. 60 (0.25mm)	%	72	71	15	28	71	95	96	97	86	76	78	45
Sieve-U.S. Std. No. 140 (0.106mm)	%	56	46	9	20	40	57	62	96	67	45	37	40
Sieve-U.S. Std. No. 200 (0.075mm)	%	47	37	7.5	19	33	42	48	92	62	35	28	24
Grain Size Classification													
Gravel	%	6	19	50	50	3	0	0	0	1	2	4	0
Sand	%	47	44	42.5	31	64	58	52	8	37	63	68	76
Fines	%	47	37	7.5	19	33	42	48	92	62	35	28	24
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	14.2	6.9	0.9	2.7	9.3	13.2	9.5	52.9	21.4	8.9	3.0	12.6
Hydrometer, Reading 2, Percent Passing	%	14.2	6.2	0.7	1.9	8.1	10.9	9.1	47.9	18.4	8.3	3.0	11.7
Hydrometer, Reading 3, Percent Passing	%	10.7	4.1	0.7	1.7	6.1	8.5	6.3	32.8	13.9	6.7	2.2	9.0
Hydrometer, Reading 4, Percent Passing	%	7.7	3.4	0.5	1.2	5.2	6.6	5.1	25.3	12.4	5.4	1.7	6.7
Hydrometer, Reading 5, Percent Passing	%	1.1	3.4	0.5	1.0	5.2	5.0	4.3	19.0	10.2	4.6	1.7	5.2
Hydrometer, Reading 6, Percent Passing	%	1.1	1.7	0.3	0.7	4.1	2.7	2.3	10.9	7.2	3.3	0.9	3.1
Hydrometer, Reading 7, Percent Passing	%	1.1	1.4	0.2	0.3	2.9	1.9	0.3	6.5	5.0	2.8	0.4	1.8
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	31.0 UJ	22.4 U	19.4 U	19.5 U	24.0 U	31.7 U	31.8 U	47.6 UJ	36.9 U	37.3 U	22.7 U	40.8 UJ
PCB-1221 (Aroclor 1221)	ug/kg	494 J	462	851	581	441	67.7 J	60.5 J	47.6 UJ	1370 J	808 J	1120	494 J
PCB-1232 (Aroclor 1232)	ug/kg	31.0 UJ	22.4 U	19.4 U	19.5 U	24.0 U	31.7 U	31.8 U	47.6 UJ	36.9 U	37.3 U	22.7 U	40.8 UJ
PCB-1242 (Aroclor 1242)	ug/kg	608 J	613	900	671	733	101	91.0	86.4 J	1900 J	1150 J	1710	655 J
PCB-1248 (Aroclor 1248)	ug/kg	31.0 UJ	22.4 U	19.4 U	19.5 U	24.0 U	31.7 U	31.8 U	47.6 UJ	36.9 U	37.3 U	22.7 U	40.8 UJ
PCB-1254 (Aroclor 1254)	ug/kg	85.5 J	79.6	55.0 J	45.7 J	91.5	31.7 U	31.8 U	47.6 UJ	246	173	160	161 J
PCB-1260 (Aroclor 1260)	ug/kg	31.0 UJ	22.4 U	19.4 U	19.5 U	24.0 U	31.7 U	31.8 U	47.6 UJ	36.9 U	37.3 U	22.7 U	40.8 UJ
Polychlorinated Biphenyl (PCBs)	ug/kg	1190 J	1150	1810	1300	1270	169	152	86.4 J	3520 J	2130 J	2990	1310 J
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-089	HR17-OU2-R4-090	HR17-OU2-R4-091	HR17-OU2-R4-092	HR17-OU2-R4-092	HR17-OU2-R4-093	HR17-OU2-R4-094	HR17-OU2-R4-095	HR17-OU2-R4-097	HR17-OU2-R4-098	HR17-OU2-R4-099	HR17-OU2-R4-100
Sample Name		HR17-OU2-R4-089	HR17-OU2-R4-090	HR17-OU2-R4-091	HR17-OU2-R4-092	HR17-OU2-R4-FD08	HR17-OU2-R4-093	HR17-OU2-R4-094	HR17-OU2-R4-095	HR17-OU2-R4-097	HR17-OU2-R4-098	HR17-OU2-R4-099	HR17-OU2-R4-100
Sample Date		8/3/2017	8/3/2017	8/4/2017	8/7/2017	8/7/2017	8/8/2017	8/8/2017	8/9/2017	8/3/2017	8/3/2017	8/4/2017	8/4/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample						HR17-OU2-R4-092							
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	7810	11900	21500	12100	13800	12300	15500	23800	10700	8310	11800	15700
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	96	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	100	100	100	99	95	100	97	95
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	100	99	99	100	100	100	99	92	100	93	92
Sieve-U.S. Std. No. 10 (2mm)	%	95	99	96	99	100	100	100	98	87	100	83	88
Sieve-U.S. Std. No. 20 (0.85mm)	%	93	97	93	99	98	99	100	98	79	98	75	83
Sieve-U.S. Std. No. 40 (0.425mm)	%	85	96	69	96	94	98	99	90	62	87	71	77
Sieve-U.S. Std. No. 60 (0.25mm)	%	84	44	64	74	72	85	97	85	43	63	69	63
Sieve-U.S. Std. No. 140 (0.106mm)	%	47	13	31	32	27	52	81	51	23	26	40	31
Sieve-U.S. Std. No. 200 (0.075mm)	%	38	1.2	29	27	23	42	71	46	18	21	33	24
Grain Size Classification													
Gravel	%	1	0	1	1	0	0	0	1	8	0	7	8
Sand	%	61	98.8	70	72	77	58	29	53	74	79	60	68
Fines	%	38	1.2	29	27	23	42	71	46	18	21	33	24
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	7.2	0.3	5.3	3.9	2.9	12.7	18.2	14.0	2.3	3.2	6.1	5.1
Hydrometer, Reading 2, Percent Passing	%	5.7	0.2	4.9	3.9	2.9	10.4	13.4	12.1	2.0	3.2	4.8	4.4
Hydrometer, Reading 3, Percent Passing	%	4.2	0.2	3.4	3.4	2.1	9.6	10.1	10.3	1.6	2.2	4.3	3.4
Hydrometer, Reading 4, Percent Passing	%	3.6	0.1	3.0	2.4	2.1	7.7	6.9	8.4	1.3	1.8	3.8	2.7
Hydrometer, Reading 5, Percent Passing	%	3.3	0.1	2.7	2.4	2.1	6.5	4.2	6.9	1.1	1.8	3.0	2.7
Hydrometer, Reading 6, Percent Passing	%	1.8	0.1	2.1	0.9	0.5	3.8	2.1	5.0	0.6	0.8	2.3	2.0
Hydrometer, Reading 7, Percent Passing	%	0.6	0	0.7	0.3	0.3	1.1	0.4	3.2	0.3	0.8	1.8	0.8
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	21.6 U	23.6 U	28.2 U	24.1 U	30.2 U	32.6 U	35.5 U	32.8 U	24.4 U	23.9 U	23.0 U	23.4 U
PCB-1221 (Aroclor 1221)	ug/kg	735	486	571	247	239	81.8 J	35.5 U	1890	208	191	771	511
PCB-1232 (Aroclor 1232)	ug/kg	21.6 U	23.6 U	28.2 U	24.1 U	30.2 U	32.6 U	35.5 U	32.8 U	24.4 U	23.9 U	23.0 U	23.4 U
PCB-1242 (Aroclor 1242)	ug/kg	1120	857	887	407	386	136	35.5 U	2090	328	295	1220	798
PCB-1248 (Aroclor 1248)	ug/kg	21.6 U	23.6 U	28.2 U	24.1 U	30.2 U	32.6 U	35.5 U	32.8 U	24.4 U	23.9 U	23.0 U	23.4 U
PCB-1254 (Aroclor 1254)	ug/kg	113	114	102	47.2 J	71.1 J	32.6 U	35.5 U	205	72.1 J	35.5 J	85.7	92.1
PCB-1260 (Aroclor 1260)	ug/kg	21.6 U	23.6 U	28.2 U	24.1 U	30.2 U	32.6 U	35.5 U	32.8 U	24.4 U	23.9 U	23.0 U	23.4 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1970	1460	1560	701	696	247	35.5 U	4190	608	521	2080	1400
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R4-101	HR17-OU2-R4-102	HR17-OU2-R4-103	HR17-OU2-R4-104	HR17-OU2-R4-105	HR17-OU2-R4-106	HR17-OU2-R4-107	HR17-OU2-R4-107	HR17-OU2-R4-107	HR17-OU2-R4-108	HR17-OU2-R4-109	HR17-OU2-R4-110	HR17-OU2-R4-111
Sample Name	HR17-OU2-R4-101	HR17-OU2-R4-102	HR17-OU2-R4-103	HR17-OU2-R4-104	HR17-OU2-R4-105	HR17-OU2-R4-106	HR17-OU2-R4-107	HR17-OU2-R4-107	HR17-OU2-R4-FD06	HR17-OU2-R4-108	HR17-OU2-R4-109	HR17-OU2-R4-110	HR17-OU2-R4-111
Sample Date	8/7/2017	8/8/2017	8/8/2017	8/10/2017	8/4/2017	8/4/2017	8/4/2017	8/4/2017	8/4/2017	8/4/2017	8/4/2017	8/7/2017	8/8/2017
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample									HR17-OU2-R4-107				
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	16900	8370	20200 J	51600 J	70000 J	20700 J	18000 J	20900	17800	11200	11000	9400
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	99	100	100	99	89	96	100	96	96	97	98	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	100	100	97	88	95	100	94	95	92	98	100
Sieve-U.S. Std. No. 10 (2mm)	%	99	100	100	91	87	93	100	90	93	87	97	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	97	99	98	85	84	93	93	85	92	81	97	99
Sieve-U.S. Std. No. 40 (0.425mm)	%	76	93	97	81	27	82	82	80	79	74	89	95
Sieve-U.S. Std. No. 60 (0.25mm)	%	63	64	95	76	12	63	70	74	55	57	70	74
Sieve-U.S. Std. No. 140 (0.106mm)	%	28	32	78	63	11	63	44	54	49	27	39	40
Sieve-U.S. Std. No. 200 (0.075mm)	%	8.9	27	69	57	10	57	37	45	38	22	36	36
Grain Size Classification													
Gravel	%	1	0	0	3	12	5	0	6	5	8	2	0
Sand	%	90.1	73	31	40	78	38	63	49	57	70	62	64
Fines	%	8.9	27	69	57	10	57	37	45	38	22	36	36
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	1.2	5.7	45.2	24.1	7.0	13.0	4.6	8.8	9.8	2.6	4.5	6.8
Hydrometer, Reading 2, Percent Passing	%	1.1	4.8	41.7	19.8	7.0	12.1	4.0	7.6	8.4	2.0	4.0	5.7
Hydrometer, Reading 3, Percent Passing	%	0.7	4.5	33.7	16.1	5.6	9.0	2.0	6.4	7.4	1.9	2.4	5.1
Hydrometer, Reading 4, Percent Passing	%	0.7	3.4	25.7	12.3	3.7	7.2	2.0	4.0	7.0	1.3	2.4	3.5
Hydrometer, Reading 5, Percent Passing	%	0.7	2.9	23.4	10.7	3.0	5.4	1.3	3.2	6.0	1.1	2.2	3.5
Hydrometer, Reading 6, Percent Passing	%	0.3	2.0	17.7	8.1	2.4	3.6	1.0	1.2	4.9	0.4	1.4	1.9
Hydrometer, Reading 7, Percent Passing	%	0.2	0.6	12.5	5.9	1.6	1.8	0.6	0.8	4.2	0.4	0.3	1.6
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	27.6 U	28.8 U	39.9 UJ	45.9 UJ	68.8 UJ	25.4 U	25.6 U	26.3 U	26.9 U	23.2 U	28.9 U	29.0 U
PCB-1221 (Aroclor 1221)	ug/kg	438	188	39.9 UJ	623 J	414 J	1220	2070	1520	497	665	387	346
PCB-1232 (Aroclor 1232)	ug/kg	27.6 U	28.8 U	39.9 UJ	45.9 UJ	68.8 UJ	25.4 U	25.6 U	26.3 U	26.9 U	23.2 U	28.9 U	29.0 U
PCB-1242 (Aroclor 1242)	ug/kg	696	203	58.1 J	1130 J	572 J	1830	2550	1830	714	1040	588	479
PCB-1248 (Aroclor 1248)	ug/kg	27.6 U	28.8 U	39.9 UJ	45.9 UJ	68.8 UJ	25.4 U	25.6 U	26.3 U	26.9 U	23.2 U	28.9 U	29.0 U
PCB-1254 (Aroclor 1254)	ug/kg	55.2 J	30.0 J	39.9 UJ	294 J	184 J	247	241	175	94.9	106	58.7 J	48.5 J
PCB-1260 (Aroclor 1260)	ug/kg	27.6 U	28.8 U	39.9 UJ	45.9 UJ	68.8 UJ	25.4 U	25.6 U	26.3 U	26.9 U	23.2 U	28.9 U	29.0 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1190	421	58.1 J	2050 J	1170 J	3290	4870	3530	1310	1810	1030	873
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-112	HR17-OU2-R4-113	HR17-OU2-R4-114	HR17-OU2-R4-115	HR17-OU2-R4-116	HR17-OU2-R4-117	HR17-OU2-R4-118	HR17-OU2-R4-119	HR17-OU2-R4-120	HR17-OU2-R4-121	HR17-OU2-R4-122	HR17-OU2-R4-123
Sample Name		HR17-OU2-R4-112	HR17-OU2-R4-113	HR17-OU2-R4-114	HR17-OU2-R4-115	HR17-OU2-R4-116	HR17-OU2-R4-117	HR17-OU2-R4-118	HR17-OU2-R4-119	HR17-OU2-R4-120	HR17-OU2-R4-121	HR17-OU2-R4-122	HR17-OU2-R4-123
Sample Date		8/8/2017	8/10/2017	8/4/2017	8/4/2017	8/4/2017	8/5/2017	8/7/2017	8/8/2017	8/11/2017	8/10/2017	8/4/2017	8/4/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	13400	30500	28800	9450	14000	10100 J	16900	15500	17900	30500	24000	13400
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	99	100	99	99	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	99	97	94	95	89	93	99	100	97	97	97
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	99	96	84	90	80	89	97	99	95	97	96
Sieve-U.S. Std. No. 10 (2mm)	%	99	98	94	73	83	70	84	94	99	92	94	93
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	95	86	66	76	64	83	92	98	89	87	87
Sieve-U.S. Std. No. 40 (0.425mm)	%	98	93	77	56	69	63	80	87	90	87	76	74
Sieve-U.S. Std. No. 60 (0.25mm)	%	56	90	67	54	53	61	70	68	73	83	59	52
Sieve-U.S. Std. No. 140 (0.106mm)	%	33	67	40	31	30	42	38	28	56	53	24	34
Sieve-U.S. Std. No. 200 (0.075mm)	%	6.7	56	33	25	25	37	32	21	50	42	20	27
Grain Size Classification													
Gravel	%	0	1	4	16	10	20	11	3	1	5	3	4
Sand	%	93.3	43	63	59	65	43	57	76	49	53	77	69
Fines	%	6.7	56	33	25	25	37	32	21	50	42	20	27
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	2.1	17.9	10.7	2.0	4.3	4.4	7.8	5.4	16.8	11.1	2.4	5.5
Hydrometer, Reading 2, Percent Passing	%	1.6	14.4	9.1	1.7	3.3	2.9	6.2	5.1	14.6	10.4	2.0	5.2
Hydrometer, Reading 3, Percent Passing	%	1.2	10.9	7.5	0.7	1.9	2.9	3.5	4.4	11.7	7.9	1.2	4.2
Hydrometer, Reading 4, Percent Passing	%	0.9	8.8	5.9	0.7	1.6	2.2	3.3	3.8	9.1	6.7	1.2	3.4
Hydrometer, Reading 5, Percent Passing	%	0.8	7.8	5.3	0.5	1.4	1.7	3.0	3.8	7.7	5.7	1.0	2.9
Hydrometer, Reading 6, Percent Passing	%	0.5	6.0	4.3	0.3	0.9	1.0	1.4	2.8	4.4	4.5	0.4	2.7
Hydrometer, Reading 7, Percent Passing	%	0.1	4.2	3.7	0.3	0.5	0.5	0.6	2.6	2.2	2.9	0.4	2.3
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	34.0 U	39.1 U	25.6 U	22.6 U	23.7 U	22.0 U	31.3 U	35.5 U	33.1 U	34.2 U	25.4 U	23.7 U
PCB-1221 (Aroclor 1221)	ug/kg	191	798	1400	1620	851	644	443	742	50.8 J	813	983	1750
PCB-1232 (Aroclor 1232)	ug/kg	34.0 U	39.1 U	25.6 U	22.6 U	23.7 U	22.0 U	31.3 U	35.5 U	33.1 U	34.2 U	25.4 U	23.7 U
PCB-1242 (Aroclor 1242)	ug/kg	247	1220	2130	2420	1180	940 J	784	1110	134	1070	1580	2610
PCB-1248 (Aroclor 1248)	ug/kg	34.0 U	39.1 U	25.6 U	22.6 U	23.7 U	22.0 U	31.3 U	35.5 U	33.1 U	34.2 U	25.4 U	23.7 U
PCB-1254 (Aroclor 1254)	ug/kg	185	300	418	145	89.3	69.7	95.5	137	40.0 J	180	154	374
PCB-1260 (Aroclor 1260)	ug/kg	34.0 U	39.1 U	25.6 U	22.6 U	23.7 U	22.0 U	31.3 U	35.5 U	33.1 U	34.2 U	25.4 U	23.7 U
Polychlorinated Biphenyl (PCBs)	ug/kg	624	2310	3940	4190	2120	1650	1320	1990	225	2060	2720	4730
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-126	HR17-OU2-R4-127	HR17-OU2-R4-128	HR17-OU2-R4-129	HR17-OU2-R4-130	HR17-OU2-R4-130	HR17-OU2-R4-131	HR17-OU2-R4-136	HR17-OU2-R4-137	HR17-OU2-R4-138	HR17-OU2-R4-139	HR17-OU2-R4-140
Sample Name		HR17-OU2-R4-126	HR17-OU2-R4-127	HR17-OU2-R4-128	HR17-OU2-R4-129	HR17-OU2-R4-130	HR17-OU2-R4-FD17	HR17-OU2-R4-131	HR17-OU2-R4-136	HR17-OU2-R4-137	HR17-OU2-R4-138	HR17-OU2-R4-139	HR17-OU2-R4-140
Sample Date		8/5/2017	8/12/2017	8/12/2017	8/8/2017	8/11/2017	8/11/2017	8/11/2017	8/12/2017	8/12/2017	8/8/2017	8/12/2017	8/12/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample							HR17-OU2-R4-130						
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	24800	12400	14700	26300 J	25500	23000	20800	3900	15000	24800	29200	15900
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	93	99	100	100	100	100	100	99	100	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	91	98	100	100	99	99	99	99	100	100	100	97
Sieve-U.S. Std. No. 10 (2mm)	%	89	97	99	100	99	98	97	99	99	100	100	89
Sieve-U.S. Std. No. 20 (0.85mm)	%	87	95	97	99	94	94	89	97	86	98	97	81
Sieve-U.S. Std. No. 40 (0.425mm)	%	79	84	82	99	91	90	82	74	80	97	96	74
Sieve-U.S. Std. No. 60 (0.25mm)	%	74	50	69	98	84	84	70	36	73	96	94	64
Sieve-U.S. Std. No. 140 (0.106mm)	%	41	24	46	93	57	58	44	21	45	82	72	40
Sieve-U.S. Std. No. 200 (0.075mm)	%	40	21	39	87	47	47	37	19	39	71	63	34
Grain Size Classification													
Gravel	%	9	2	0	0	1	1	1	1	0	0	0	3
Sand	%	51	77	61	13	52	52	62	80	61	29	37	63
Fines	%	40	21	39	87	47	47	37	19	39	71	63	34
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	6.9	2.9	6.8	51.5	12.1	8.3	7.2	2.4	12.4	15.8	19.4	5.3
Hydrometer, Reading 2, Percent Passing	%	6.3	2.3	5.7	46.9	10.4	8.1	6.8	2.4	9.3	12.2	14.1	4.3
Hydrometer, Reading 3, Percent Passing	%	5.0	2.3	4.6	28.4	8.4	7.0	5.7	2.0	6.9	12.2	11.0	2.8
Hydrometer, Reading 4, Percent Passing	%	3.7	1.8	4.6	26.1	6.4	5.4	4.4	1.8	5.1	9.9	11.0	2.8
Hydrometer, Reading 5, Percent Passing	%	3.4	1.8	3.0	20.7	5.6	4.6	4.2	1.4	5.1	9.9	7.8	2.8
Hydrometer, Reading 6, Percent Passing	%	2.5	1.4	3.0	11.4	3.2	2.7	2.6	1.1	3.3	6.4	5.7	1.8
Hydrometer, Reading 7, Percent Passing	%	1.5	1.2	2.4	7.6	2.0	2.1	1.7	0.9	2.1	2.8	4.6	1.8
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	27.8 U	31.5 U	33.7 U	43.2 UJ	35.4 U	36.3 U	30.2 U	27.5 U	31.1 U	37.2 U	38.1 U	28.6 U
PCB-1221 (Aroclor 1221)	ug/kg	353	449	199	43.2 UJ	497	641	722	212	59.3 J	37.2 U	428	1400
PCB-1232 (Aroclor 1232)	ug/kg	27.8 U	31.5 U	33.7 U	43.2 UJ	35.4 U	36.3 U	30.2 U	27.5 U	31.1 U	37.2 U	38.1 U	28.6 U
PCB-1242 (Aroclor 1242)	ug/kg	666	687	297	43.2 UJ	697	857	1170	304	117	41.4 J	509	1130
PCB-1248 (Aroclor 1248)	ug/kg	27.8 U	31.5 U	33.7 U	43.2 UJ	35.4 U	36.3 U	30.2 U	27.5 U	31.1 U	37.2 U	38.1 U	28.6 U
PCB-1254 (Aroclor 1254)	ug/kg	102	87.1	33.7 U	43.2 UJ	151	181	155	29.6 J	31.1 U	37.2 U	139	95.9
PCB-1260 (Aroclor 1260)	ug/kg	27.8 U	31.5 U	33.7 U	43.2 UJ	35.4 U	36.3 U	30.2 U	27.5 U	31.1 U	37.2 U	38.1 U	28.6 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1120	1220	523	43.2 UJ	1350	1680	2050	545	202	41.4 J	1080	2620
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-141	HR17-OU2-R4-144	HR17-OU2-R4-144	HR17-OU2-R4-145	HR17-OU2-R4-146	HR17-OU2-R4-147	HR17-OU2-R4-148	HR17-OU2-R4-150	HR17-OU2-R4-151	HR17-OU2-R4-152	HR17-OU2-R4-154	HR17-OU2-R4-155
Sample Name		HR17-OU2-R4-141	HR17-OU2-R4-144	HR17-OU2-R4-FD18	HR17-OU2-R4-145	HR17-OU2-R4-146	HR17-OU2-R4-147	HR17-OU2-R4-148	HR17-OU2-R4-150	HR17-OU2-R4-151	HR17-OU2-R4-152	HR17-OU2-R4-154	HR17-OU2-R4-155
Sample Date		8/12/2017	8/14/2017	8/14/2017	8/12/2017	8/12/2017	8/12/2017	8/12/2017	8/14/2017	8/14/2017	8/14/2017	8/14/2017	8/14/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample				HR17-OU2-R4-144									
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	33400 J	2830	4220	16200	17200	28200 J	40700 J	33800	15700	15100	15500 J	17400
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	99	99	100	100	99	100	98	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	100	98	94	100	100	92	99	94	99	99	100
Sieve-U.S. Std. No. 10 (2mm)	%	95	100	97	90	100	100	85	97	89	99	98	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	88	96	93	87	98	99	77	90	78	96	97	96
Sieve-U.S. Std. No. 40 (0.425mm)	%	82	67	63	83	97	99	74	82	71	78	90	95
Sieve-U.S. Std. No. 60 (0.25mm)	%	72	35	30	77	95	99	70	69	59	39	57	93
Sieve-U.S. Std. No. 140 (0.106mm)	%	50	10	6	54	70	98	46	37	29	9	11	72
Sieve-U.S. Std. No. 200 (0.075mm)	%	45	9.5	5.4	50	63	96	37	30	23	7.4	9.4	62
Grain Size Classification													
Gravel	%	1	0	2	6	0	0	8	1	6	1	1	0
Sand	%	54	90.5	92.6	44	37	4	55	69	71	91.6	89.6	38
Fines	%	45	9.5	5.4	50	63	96	37	30	23	7.4	9.4	62
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	8.6	0.6	0.5	16.6	14.1	49.7	7.8	5.5	5.5	0.8	0.7	18.7
Hydrometer, Reading 2, Percent Passing	%	8.6	0.6	0.5	15.1	11.2	45.0	6.5	4.8	5.5	0.7	0.7	17.6
Hydrometer, Reading 3, Percent Passing	%	5.1	0.6	0.5	11.6	9.2	30.7	5.8	4.1	4.8	0.7	0.6	13.2
Hydrometer, Reading 4, Percent Passing	%	5.1	0.6	0.5	8.8	8.2	27.6	5.1	3.7	3.7	0.6	0.4	9.9
Hydrometer, Reading 5, Percent Passing	%	5.1	0.6	0.5	7.4	7.3	21.2	3.7	3.4	3.3	0.5	0.4	9.9
Hydrometer, Reading 6, Percent Passing	%	3.8	0.5	0.5	5.2	5.3	13.3	3.7	2.6	2.7	0.5	0.4	6.6
Hydrometer, Reading 7, Percent Passing	%	3.8	0.4	0.5	3.8	4.3	8.6	3.0	1.4	2.6	0.5	0.4	3.8
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	54.1 UJ	26.9 U	27.6 U	34.9 U	34.5 U	48.1 UJ	42.9 UJ	37.8 U	35.5 U	28.6 U	28.8 U	37.2 U
PCB-1221 (Aroclor 1221)	ug/kg	577 J	325 J	189 J	67.1 J	34.5 U	48.1 UJ	1150 J	655	658	330	91.8	37.2 U
PCB-1232 (Aroclor 1232)	ug/kg	54.1 UJ	26.9 U	27.6 U	34.9 U	34.5 U	48.1 UJ	42.9 UJ	37.8 U	35.5 U	28.6 U	28.8 U	37.2 U
PCB-1242 (Aroclor 1242)	ug/kg	953 J	609 J	336 J	151	53.8 J	48.1 UJ	1270 J	1270	1490	592	324	37.2 U
PCB-1248 (Aroclor 1248)	ug/kg	54.1 UJ	26.9 U	27.6 U	34.9 U	34.5 U	48.1 UJ	42.9 UJ	37.8 U	35.5 U	28.6 U	28.8 U	37.2 U
PCB-1254 (Aroclor 1254)	ug/kg	128 J	92.6	27.6 U	34.9 U	34.5 U	48.1 UJ	204 J	129	178	52.8 J	28.8 U	37.2 U
PCB-1260 (Aroclor 1260)	ug/kg	54.1 UJ	26.9 U	27.6 U	34.9 U	34.5 U	48.1 UJ	42.9 UJ	37.8 U	35.5 U	28.6 U	28.8 U	37.2 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1660 J	1030 J	552 J	246	53.8 J	48.1 UJ	2630 J	2050	2330	975	442	37.2 U

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-156	HR17-OU2-R4-157	HR17-OU2-R4-157	HR17-OU2-R4-158	HR17-OU2-R4-159	HR17-OU2-R4-162	HR17-OU2-R4-162	HR17-OU2-R4-163	HR17-OU2-R4-164	HR17-OU2-R4-165	HR17-OU2-R4-166	HR17-OU2-R4-167
Sample Name		HR17-OU2-R4-156	HR17-OU2-R4-157	HR17-OU2-R4-FD11	HR17-OU2-R4-158	HR17-OU2-R4-159	HR17-OU2-R4-162	HR17-OU2-R4-FD20	HR17-OU2-R4-163	HR17-OU2-R4-164	HR17-OU2-R4-165	HR17-OU2-R4-166	HR17-OU2-R4-167
Sample Date		8/14/2017	8/8/2017	8/8/2017	8/14/2017	8/14/2017	8/15/2017	8/15/2017	8/15/2017	8/15/2017	8/15/2017	8/23/2017	8/8/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample				HR17-OU2-R4-157				HR17-OU2-R4-162					
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	29800 J	52800 J	31300 J	51300 J	39700 J	11000	8710	3790	2260	4560	24600 J	25900 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	99	100	99	100	100	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	100	100	95	100	97	99	99	99	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	100	100	100	100	90	100	93	98	99	99	100	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	98	97	95	83	94	88	94	96	97	99	99
Sieve-U.S. Std. No. 40 (0.425mm)	%	97	97	97	91	76	83	77	85	78	87	99	99
Sieve-U.S. Std. No. 60 (0.25mm)	%	97	97	96	89	68	50	49	57	33	65	98	99
Sieve-U.S. Std. No. 140 (0.106mm)	%	95	95	95	79	42	20	23	29	16	15	95	97
Sieve-U.S. Std. No. 200 (0.075mm)	%	91	93	92	70	36	2.3	4.7	17	4.0	0.1	90	95
Grain Size Classification													
Gravel	%	0	0	0	0	5	0	3	1	1	1	0	0
Sand	%	9	7	8	30	59	97.7	92.3	82	95	98.9	10	5
Fines	%	91	93	92	70	36	2.3	4.7	17	4.0	0.1	90	95
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	54.1	48.5	56.6	31.9	10.7	0.3	0.6	1.1	0.2	0	55.8	62.3
Hydrometer, Reading 2, Percent Passing	%	41.3	43.1	55.1	28.7	10.2	0.3	0.5	1.0	0.2	0	50.8	53.8
Hydrometer, Reading 3, Percent Passing	%	34.1	32.3	39.5	23.4	8.7	0.3	0.5	0.8	0.2	0	25.9	40.7
Hydrometer, Reading 4, Percent Passing	%	28.4	25.3	33.3	19.1	7.4	0.2	0.4	0.6	0.2	0	25.9	33.0
Hydrometer, Reading 5, Percent Passing	%	24.2	22.2	27.9	17.0	6.1	0.2	0.3	0.6	0.1	0	23.5	26.8
Hydrometer, Reading 6, Percent Passing	%	13.5	14.5	17.7	12.7	3.6	0.1	0.2	0.3	0	0	14.4	16.0
Hydrometer, Reading 7, Percent Passing	%	9.9	6.8	10.0	10.6	3.6	0.1	0.1	0.1	0	0	9.4	9.9
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	46.0 UJ	47.6 UJ	48.6 UJ	63.1 UJ	50.3 UJ	28.6 U	28.1 U	28.0 U	26.5 U	28.9 U	46.5 UJ	47.1 UJ
PCB-1221 (Aroclor 1221)	ug/kg	46.0 UJ	47.6 UJ	48.6 UJ	314 J	496 J	418 J	262 J	920	376	564	46.5 UJ	47.1 UJ
PCB-1232 (Aroclor 1232)	ug/kg	46.0 UJ	47.6 UJ	48.6 UJ	63.1 UJ	50.3 UJ	28.6 U	28.1 U	28.0 U	26.5 U	28.9 U	46.5 UJ	47.1 UJ
PCB-1242 (Aroclor 1242)	ug/kg	46.0 UJ	56.7 J	48.6 UJ	542 J	936 J	705	600	606	399	807	46.5 UJ	47.1 UJ
PCB-1248 (Aroclor 1248)	ug/kg	46.0 UJ	47.6 UJ	48.6 UJ	63.1 UJ	50.3 UJ	28.6 U	28.1 U	28.0 U	26.5 U	28.9 U	46.5 UJ	47.1 UJ
PCB-1254 (Aroclor 1254)	ug/kg	46.0 UJ	47.6 UJ	48.6 UJ	228 J	117 J	55.3 J	47.0 J	36.2 J	26.5 U	72.9	46.5 UJ	47.1 UJ
PCB-1260 (Aroclor 1260)	ug/kg	46.0 UJ	47.6 UJ	48.6 UJ	63.1 UJ	50.3 UJ	28.6 U	28.1 U	28.0 U	26.5 U	28.9 U	46.5 UJ	47.1 UJ
Polychlorinated Biphenyl (PCBs)	ug/kg	46.0 UJ	56.7 J	48.6 UJ	1080 J	1550 J	1180	909	1560	796	1440	46.5 UJ	47.1 UJ
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-172	HR17-OU2-R4-173	HR17-OU2-R4-174	HR17-OU2-R4-175	HR17-OU2-R4-176	HR17-OU2-R4-177	HR17-OU2-R4-178	HR17-OU2-R4-181	HR17-OU2-R4-181	HR17-OU2-R4-182	HR17-OU2-R4-183	HR17-OU2-R4-185
Sample Name		HR17-OU2-R4-172	HR17-OU2-R4-173	HR17-OU2-R4-174	HR17-OU2-R4-175	HR17-OU2-R4-176	HR17-OU2-R4-177	HR17-OU2-R4-178	HR17-OU2-R4-181	HR17-OU2-R4-FD21	HR17-OU2-R4-182	HR17-OU2-R4-183	HR17-OU2-R4-185
Sample Date		8/15/2017	8/15/2017	8/17/2017	8/23/2017	8/8/2017	8/15/2017	8/15/2017	8/16/2017	8/16/2017	8/16/2017	8/16/2017	8/18/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample										HR17-OU2-R4-181			
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	12300	2850	12900	30000 J	30000 J	19300	13600	3630 J	8140 J	14600 J	3750	7400
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	92	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	99	96	100	100	100	100	91	94	79	98	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	95	96	100	100	98	99	88	92	69	97	100
Sieve-U.S. Std. No. 10 (2mm)	%	96	89	95	100	100	96	93	84	89	63	95	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	94	64	94	99	99	92	81	77	80	56	93	99
Sieve-U.S. Std. No. 40 (0.425mm)	%	89	48	89	99	99	90	63	67	69	47	66	97
Sieve-U.S. Std. No. 60 (0.25mm)	%	72	30	70	99	99	86	43	34	42	34	30	79
Sieve-U.S. Std. No. 140 (0.106mm)	%	41	21	36	92	98	57	20	15	19	20	21	30
Sieve-U.S. Std. No. 200 (0.075mm)	%	19	9.3	32	86	97	34	5.9	0.5	3.7	7.9	20	24
Grain Size Classification													
Gravel	%	1	5	4	0	0	2	1	12	8	31	3	0
Sand	%	80	85.7	64	14	3	64	93.1	87.5	88.3	61.1	77	76
Fines	%	19	9.3	32	86	97	34	5.9	0.5	3.7	7.9	20	24
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	3.4	0.5	8.9	41.7	60.7	9.1	0.4	0	0.1	0.9	0.2	4.6
Hydrometer, Reading 2, Percent Passing	%	3.1	0.5	8.0	37.2	51.0	7.6	0.3	0	0.1	0.7	0.2	3.9
Hydrometer, Reading 3, Percent Passing	%	2.8	0.5	7.1	29.1	44.5	5.2	0.3	0	0.1	0.5	0.2	3.5
Hydrometer, Reading 4, Percent Passing	%	2.1	0.5	6.6	19.5	37.2	4.2	0.3	0	0.1	0.3	0.1	2.8
Hydrometer, Reading 5, Percent Passing	%	1.8	0.4	4.8	16.5	29.1	4.0	0.2	0	0.1	0.3	0.1	2.7
Hydrometer, Reading 6, Percent Passing	%	1.3	0.2	3.6	11.3	16.9	2.5	0.1	0	0.1	0.3	0.1	2.1
Hydrometer, Reading 7, Percent Passing	%	0.7	0.2	3.6	5.4	8.8	1.9	0	0	0	0.1	0.1	2.1
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	30.9 U	25.3 U	32.7 U	47.8 UJ	54.6 UJ	36.3 U	30.3 U	27.0 U	27.9 U	30.3 U	26.5 U	27.9 U
PCB-1221 (Aroclor 1221)	ug/kg	384	652	32.7 U	47.8 UJ	54.6 UJ	497	1610	312	386	1070	268	27.9 J
PCB-1232 (Aroclor 1232)	ug/kg	30.9 U	25.3 U	32.7 U	47.8 UJ	54.6 UJ	36.3 U	30.3 U	27.0 U	27.9 U	30.3 U	26.5 U	27.9 U
PCB-1242 (Aroclor 1242)	ug/kg	589	652	128	47.8 UJ	54.6 UJ	730	3180	929	1030	1030	390	52.9 J
PCB-1248 (Aroclor 1248)	ug/kg	30.9 U	25.3 U	32.7 U	47.8 UJ	54.6 UJ	36.3 U	30.3 U	27.0 U	27.9 U	30.3 U	26.5 U	27.9 U
PCB-1254 (Aroclor 1254)	ug/kg	58.6 J	39.2 J	53.3 J	47.8 UJ	54.6 UJ	123	185	67.4 J	70.6	77.0	26.5 U	27.9 U
PCB-1260 (Aroclor 1260)	ug/kg	30.9 U	25.3 U	32.7 U	47.8 UJ	54.6 UJ	36.3 U	30.3 U	27.0 U	27.9 U	30.3 U	26.5 U	27.9 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1030	1340	209	47.8 UJ	54.6 UJ	1350	4980	1310	1490	2180	658	80.8

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-186	HR17-OU2-R4-186	HR17-OU2-R4-187	HR17-OU2-R4-188	HR17-OU2-R4-189	HR17-OU2-R4-192	HR17-OU2-R4-193	HR17-OU2-R4-194	HR17-OU2-R4-195	HR17-OU2-R4-196	HR17-OU2-R4-197	HR17-OU2-R4-198
Sample Name		HR17-OU2-R4-186	HR17-OU2-R4-FD13	HR17-OU2-R4-187	HR17-OU2-R4-188	HR17-OU2-R4-189	HR17-OU2-R4-192	HR17-OU2-R4-193	HR17-OU2-R4-194	HR17-OU2-R4-195	HR17-OU2-R4-196	HR17-OU2-R4-197	HR17-OU2-R4-198
Sample Date		8/8/2017	8/8/2017	8/8/2017	8/18/2017	8/18/2017	8/18/2017	8/16/2017	8/16/2017	8/19/2017	8/23/2017	8/23/2017	8/18/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample			HR17-OU2-R4-186										
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	25100 J	30900 J	23100 J	24700	7740	28900	15700	11600	9440 J	29000 J	29000 J	10800
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	94
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	92	100	100	100	100	100	100	86
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	75	96	92	100	100	100	100	59
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	100	100	50	95	88	99	99	100	100	35
Sieve-U.S. Std. No. 10 (2mm)	%	100	100	100	99	39	94	84	96	96	100	100	24
Sieve-U.S. Std. No. 20 (0.85mm)	%	100	99	98	96	33	91	79	94	95	99	99	18
Sieve-U.S. Std. No. 40 (0.425mm)	%	99	99	98	95	26	88	72	85	90	99	98	14
Sieve-U.S. Std. No. 60 (0.25mm)	%	99	99	97	93	15	81	62	72	66	98	98	8
Sieve-U.S. Std. No. 140 (0.106mm)	%	97	96	95	66	5	48	38	59	23	95	98	3
Sieve-U.S. Std. No. 200 (0.075mm)	%	93	92	93	48	3.4	37	14	53	19	92	97	1.9
Grain Size Classification													
Gravel	%	0	0	0	0	50	5	12	1	1	0	0	65
Sand	%	7	8	7	52	46.6	58	74	46	80	8	3	33.1
Fines	%	93	92	93	48	3.4	37	14	53	19	92	97	1.9
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	60.3	58.8	68.4	15.0	0.6	6.6	2.4	10.0	3.5	52.0	57.4	0.4
Hydrometer, Reading 2, Percent Passing	%	46.9	48.2	61.9	12.9	0.6	4.8	2.2	9.3	3.1	47.5	52.6	0.4
Hydrometer, Reading 3, Percent Passing	%	44.7	42.5	50.6	10.0	0.5	4.5	1.4	7.7	2.9	38.5	38.9	0.3
Hydrometer, Reading 4, Percent Passing	%	32.0	35.1	36.1	9.3	0.5	3.0	1.2	6.1	2.1	28.0	32.4	0.3
Hydrometer, Reading 5, Percent Passing	%	29.0	28.5	31.3	7.9	0.4	3.0	1.0	5.5	2.1	23.5	25.2	0.3
Hydrometer, Reading 6, Percent Passing	%	17.0	19.5	20.0	6.5	0.4	2.3	0.7	3.5	1.7	14.5	16.4	0.2
Hydrometer, Reading 7, Percent Passing	%	11.1	13.8	13.6	5.1	0.2	0.8	0.2	1.6	1.7	7.0	9.1	0.2
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	50.2 UJ	51.2 UJ	50.2 UJ	35.9 U	26.9 U	32.4 U	30.5 U	34.1 U	29.3 U	48.3 UJ	50.6 UJ	24.5 U
PCB-1221 (Aroclor 1221)	ug/kg	50.2 UJ	51.2 UJ	50.2 UJ	571	311	500	392	34.1 U	312	48.3 UJ	50.6 UJ	373
PCB-1232 (Aroclor 1232)	ug/kg	50.2 UJ	51.2 UJ	50.2 UJ	35.9 U	26.9 U	32.4 U	30.5 U	34.1 U	29.3 U	48.3 UJ	50.6 UJ	24.5 U
PCB-1242 (Aroclor 1242)	ug/kg	50.2 UJ	51.2 UJ	50.2 UJ	783	1120	759	436	34.1 U	553	48.3 UJ	50.6 UJ	1610
PCB-1248 (Aroclor 1248)	ug/kg	50.2 UJ	51.2 UJ	50.2 UJ	35.9 U	26.9 U	32.4 U	30.5 U	34.1 U	29.3 U	48.3 UJ	50.6 UJ	24.5 U
PCB-1254 (Aroclor 1254)	ug/kg	50.2 UJ	51.2 UJ	50.2 UJ	153	65.9 J	99.7	46.7 J	34.1 U	64.0 J	48.3 UJ	50.6 UJ	102
PCB-1260 (Aroclor 1260)	ug/kg	50.2 UJ	51.2 UJ	50.2 UJ	35.9 U	26.9 U	32.4 U	30.5 U	34.1 U	29.3 U	48.3 UJ	50.6 UJ	24.5 U
Polychlorinated Biphenyl (PCBs)	ug/kg	50.2 UJ	51.2 UJ	50.2 UJ	1510	1500	1360	875	34.1 U	929	48.3 UJ	50.6 UJ	2080

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-199	HR17-OU2-R4-200	HR17-OU2-R4-201	HR17-OU2-R4-202	HR17-OU2-R4-203	HR17-OU2-R4-204	HR17-OU2-R4-205	HR17-OU2-R4-206	HR17-OU2-R4-206	HR17-OU2-R4-207	HR17-OU2-R4-208	HR17-OU2-R4-209
Sample Name		HR17-OU2-R4-199	HR17-OU2-R4-200	HR17-OU2-R4-201	HR17-OU2-R4-202	HR17-OU2-R4-203	HR17-OU2-R4-204	HR17-OU2-R4-205	HR17-OU2-R4-206	HR17-OU2-R4-FD22	HR17-OU2-R4-207	HR17-OU2-R4-208	HR17-OU2-R4-209
Sample Date		8/18/2017	8/18/2017	8/17/2017	8/16/2017	8/16/2017	8/17/2017	8/23/2017	8/18/2017	8/18/2017	8/18/2017	8/17/2017	8/17/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample										HR17-OU2-R4-206			
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	5030	20300	11000	6390	4900	11600	32400 J	34100	35400	6770 J	16300	32700 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	96	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	83	100	92	99	100	100	100	100	100	95	99	99
Sieve-US Std. 0.375-inch (9.5 mm)	%	43	94	77	83	98	100	100	97	93	56	66	89
Sieve-U.S. Std. No. 4 (4.75mm)	%	28	91	51	58	97	100	100	94	90	28	50	77
Sieve-U.S. Std. No. 10 (2mm)	%	20	87	38	42	96	98	100	92	88	19	36	70
Sieve-U.S. Std. No. 20 (0.85mm)	%	17	82	31	27	85	96	99	87	81	15	27	62
Sieve-U.S. Std. No. 40 (0.425mm)	%	11	77	27	18	53	86	99	84	79	12	20	55
Sieve-U.S. Std. No. 60 (0.25mm)	%	5	68	25	14	23	59	99	81	77	7	16	47
Sieve-U.S. Std. No. 140 (0.106mm)	%	2	43	20	10	12	19	98	63	59	3	11	26
Sieve-U.S. Std. No. 200 (0.075mm)	%	1.3	35	15	1.8	11	16	96	49	48	2.3	8.6	21
Grain Size Classification													
Gravel	%	72	9	49	42	3	0	0	6	10	72	50	23
Sand	%	26.7	56	36	56.2	86	84	4	45	42	25.7	41.4	56
Fines	%	1.3	35	15	1.8	11	16	96	49	48	2.3	8.6	21
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0.2	8.4	3.8	0.1	0.7	1.3	48.7	19.9	15.5	0.3	1.5	4.8
Hydrometer, Reading 2, Percent Passing	%	0.2	8.4	3.5	0.1	0.7	1.3	41.5	15.5	13.2	0.3	1.3	4.4
Hydrometer, Reading 3, Percent Passing	%	0.1	6.5	2.8	0.1	0.6	1.2	29.9	11.8	9.3	0.3	1.2	3.6
Hydrometer, Reading 4, Percent Passing	%	0.1	5.9	2.1	0	0.3	0.9	23.4	8.9	7.0	0.2	1.0	3.0
Hydrometer, Reading 5, Percent Passing	%	0.1	5.2	1.9	0	0.3	0.9	18.3	8.2	7.0	0.2	0.9	2.8
Hydrometer, Reading 6, Percent Passing	%	0.1	4.6	1.5	0	0.2	0.8	11.1	6.7	5.1	0.1	0.7	2.1
Hydrometer, Reading 7, Percent Passing	%	0.1	3.3	1.1	0	0.1	0.7	5.3	3.8	2.4	0.1	0.6	1.7
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	22.7 U	33.2 U	27.7 U	24.9 U	28.3 U	29.9 U	50.4 UJ	38.0 U	38.7 U	22.5 U	26.7 U	50.0 UJ
PCB-1221 (Aroclor 1221)	ug/kg	1230	566	731	1850 J	124	29.9 U	50.4 UJ	439	503	330	806	431 J
PCB-1232 (Aroclor 1232)	ug/kg	22.7 U	33.2 U	27.7 U	24.9 U	28.3 U	29.9 U	50.4 UJ	38.0 U	38.7 U	22.5 U	26.7 U	50.0 UJ
PCB-1242 (Aroclor 1242)	ug/kg	3400	781	619	1600 J	197	90.5	50.4 UJ	615	744	1790	807	1230 J
PCB-1248 (Aroclor 1248)	ug/kg	22.7 U	33.2 U	27.7 U	24.9 U	28.3 U	29.9 U	50.4 UJ	38.0 U	38.7 U	22.5 U	26.7 U	50.0 UJ
PCB-1254 (Aroclor 1254)	ug/kg	149	90.6	51.9 J	94.6 J	28.3 U	29.9 U	50.4 UJ	148	156	109	61.2 J	167 J
PCB-1260 (Aroclor 1260)	ug/kg	22.7 U	33.2 U	27.7 U	24.9 U	28.3 U	29.9 U	50.4 UJ	38.0 U	38.7 U	22.5 U	26.7 U	50.0 UJ
Polychlorinated Biphenyl (PCBs)	ug/kg	4770	1440	1400	3540 J	321	117	50.4 UJ	1200	1400	2230	1680	1830 J
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-210	HR17-OU2-R4-211	HR17-OU2-R4-212	HR17-OU2-R4-213	HR17-OU2-R4-214	HR17-OU2-R4-215	HR17-OU2-R4-216	HR17-OU2-R4-217	HR17-OU2-R4-218	HR17-OU2-R4-219	HR17-OU2-R4-220	HR17-OU2-R4-221
Sample Name		HR17-OU2-R4-210	HR17-OU2-R4-211	HR17-OU2-R4-212	HR17-OU2-R4-213	HR17-OU2-R4-214	HR17-OU2-R4-215	HR17-OU2-R4-216	HR17-OU2-R4-217	HR17-OU2-R4-218	HR17-OU2-R4-219	HR17-OU2-R4-220	HR17-OU2-R4-221
Sample Date		8/17/2017	8/23/2017	8/18/2017	8/18/2017	8/17/2017	8/18/2017	8/18/2017	8/19/2017	8/17/2017	8/18/2017	8/18/2017	8/17/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	5800	24600 J	57500 J	11900	7000	90500 J	1590 J	26100 J	53500 J	14900	12400	23800
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	89	100	100	100	100	100	98	96	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	96	100	100	57	91	88	99	100	83	68	87	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	96	99	100	31	72	78	99	100	64	49	85	99
Sieve-U.S. Std. No. 10 (2mm)	%	94	99	93	19	56	70	98	99	64	37	83	98
Sieve-U.S. Std. No. 20 (0.85mm)	%	93	98	87	15	37	67	81	98	57	29	70	89
Sieve-U.S. Std. No. 40 (0.425mm)	%	84	98	81	13	30	65	28	97	54	24	62	50
Sieve-U.S. Std. No. 60 (0.25mm)	%	52	98	74	9	27	63	7	96	51	22	54	12
Sieve-U.S. Std. No. 140 (0.106mm)	%	22	95	43	4	19	53	3	86	46	19	31	5
Sieve-U.S. Std. No. 200 (0.075mm)	%	18	93	37	3.0	15	47	2.9	78	40	16	22	4.4
Grain Size Classification													
Gravel	%	4	1	0	69	28	22	1	0	36	51	15	1
Sand	%	78	6	63	28	57	31	96.1	22	24	33	63	94.6
Fines	%	18	93	37	3.0	15	47	2.9	78	40	16	22	4.4
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	2.0	45.5	9.7	0.6	2.2	21.3	0.2	31.1	14.7	3.2	5.4	0.2
Hydrometer, Reading 2, Percent Passing	%	1.9	38.6	9.0	0.5	2.0	17.9	0.2	22.1	13.2	2.6	4.8	0.2
Hydrometer, Reading 3, Percent Passing	%	1.9	28.1	9.0	0.5	1.9	17.9	0.2	17.0	10.9	2.6	4.6	0.2
Hydrometer, Reading 4, Percent Passing	%	1.3	23.2	7.7	0.5	1.6	14.5	0.2	17.0	9.4	2.6	4.6	0.2
Hydrometer, Reading 5, Percent Passing	%	1.3	19.0	6.0	0.4	1.5	13.7	0.2	14.4	7.8	1.9	4.0	0.2
Hydrometer, Reading 6, Percent Passing	%	1.0	11.4	5.3	0.3	1.3	9.9	0.2	9.2	5.5	1.6	3.4	0.2
Hydrometer, Reading 7, Percent Passing	%	1.0	7.9	3.6	0.3	1.3	8.6	0.2	4.7	3.2	1.6	2.9	0.1
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	28.6 U	42.0 UJ	71.5 UJ	23.6 U	27.2 U	64.3 UJ	24.6 U	40.4 UJ	65.1 UJ	33.2 U	30.5 U	25.5 U
PCB-1221 (Aroclor 1221)	ug/kg	84.4	42.0 UJ	348 J	487	507	611 J	120	40.4 UJ	312 J	1280	229	41.9 J
PCB-1232 (Aroclor 1232)	ug/kg	28.6 U	42.0 UJ	71.5 UJ	23.6 U	27.2 U	64.3 UJ	24.6 U	40.4 UJ	65.1 UJ	33.2 U	30.5 U	25.5 U
PCB-1242 (Aroclor 1242)	ug/kg	149	42.0 UJ	756 J	2330	504	812 J	296	40.4 UJ	645 J	1360	367	109
PCB-1248 (Aroclor 1248)	ug/kg	28.6 U	42.0 UJ	71.5 UJ	23.6 U	27.2 U	64.3 UJ	24.6 U	40.4 UJ	65.1 UJ	33.2 U	30.5 U	25.5 U
PCB-1254 (Aroclor 1254)	ug/kg	28.6 U	42.0 UJ	275 J	141	31.4 J	190 J	24.6 U	40.4 UJ	194 J	109	53.3 J	25.5 U
PCB-1260 (Aroclor 1260)	ug/kg	28.6 U	42.0 UJ	71.5 UJ	23.6 U	27.2 U	64.3 UJ	24.6 U	40.4 UJ	65.1 UJ	33.2 U	30.5 U	25.5 U
Polychlorinated Biphenyl (PCBs)	ug/kg	234	42.0 UJ	1380 J	2960	1040	1610 J	436	40.4 UJ	1150 J	2750	649	151
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-222	HR17-OU2-R4-223	HR17-OU2-R4-224	HR17-OU2-R4-226	HR17-OU2-R4-229	HR17-OU2-R4-230	HR17-OU2-R4-233	HR17-OU2-R4-234	HR17-OU2-R4-235	HR17-OU2-R4-236	HR17-OU2-R4-237	HR17-OU2-R4-239
Sample Name		HR17-OU2-R4-222	HR17-OU2-R4-223	HR17-OU2-R4-224	HR17-OU2-R4-226	HR17-OU2-R4-229	HR17-OU2-R4-230	HR17-OU2-R4-233	HR17-OU2-R4-234	HR17-OU2-R4-235	HR17-OU2-R4-236	HR17-OU2-R4-237	HR17-OU2-R4-239
Sample Date		8/17/2017	8/19/2017	8/17/2017	8/18/2017	8/19/2017	8/23/2017	8/19/2017	8/25/2017	8/23/2017	8/23/2017	8/16/2017	8/25/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	1630 J	22000	26400	19100	16500	33900 J	8240	21200 J	42300 J	36100 J	2650	21200 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	96	100	100	100	97	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	79	100	100	100	97	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	92	100	100	94	64	100	100	100	87	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	99	86	100	100	94	56	100	100	100	81	99
Sieve-U.S. Std. No. 10 (2mm)	%	99	99	79	99	99	92	50	99	100	100	72	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	91	95	71	94	98	90	48	98	98	97	50	97
Sieve-U.S. Std. No. 40 (0.425mm)	%	38	92	69	91	96	89	44	97	97	95	20	92
Sieve-U.S. Std. No. 60 (0.25mm)	%	10	89	66	86	92	88	37	96	96	92	10	87
Sieve-U.S. Std. No. 140 (0.106mm)	%	8	79	54	53	67	80	21	93	94	80	9	83
Sieve-U.S. Std. No. 200 (0.075mm)	%	8.0	68	47	40	56	73	17	89	91	75	0	79
Grain Size Classification													
Gravel	%	0	1	14	0	0	6	44	0	0	0	19	1
Sand	%	92	31	39	60	44	21	39	11	9	25	81	20
Fines	%	8.0	68	47	40	56	73	17	89	91	75	0	79
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0.6	23.5	10.4	8.9	21.9	33.8	3.0	54.6	53.1	41.8	0	40.8
Hydrometer, Reading 2, Percent Passing	%	0.5	20.4	10.4	6.7	16.6	29.5	2.7	42.1	45.0	40.4	0	38.6
Hydrometer, Reading 3, Percent Passing	%	0.5	16.4	7.7	6.7	12.9	23.1	2.5	35.6	32.0	32.5	0	28.8
Hydrometer, Reading 4, Percent Passing	%	0.5	13.3	5.9	5.6	12.1	17.8	1.9	26.4	23.9	24.0	0	18.3
Hydrometer, Reading 5, Percent Passing	%	0.5	11.3	5.0	5.2	10.6	14.6	1.6	19.9	19.0	18.0	0	15.3
Hydrometer, Reading 6, Percent Passing	%	0.5	8.8	4.2	4.1	8.4	9.3	1.4	10.7	12.5	12.7	0	9.3
Hydrometer, Reading 7, Percent Passing	%	0.3	6.3	3.3	3.4	6.9	6.0	0.8	5.5	6.0	7.5	0	6.3
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	26.7 U	36.8 U	36.4 U	32.0 U	35.1 U	47.5 UJ	28.3 U	42.3 UJ	63.2 UJ	59.2 UJ	23.0 U	45.6 UJ
PCB-1221 (Aroclor 1221)	ug/kg	26.7 U	36.8 U	378	212	35.1 U	187 J	60.9 J	42.3 UJ	192 J	180 J	23.0 U	45.6 UJ
PCB-1232 (Aroclor 1232)	ug/kg	26.7 U	36.8 U	36.4 U	32.0 U	35.1 U	47.5 UJ	28.3 U	42.3 UJ	63.2 UJ	59.2 UJ	23.0 U	45.6 UJ
PCB-1242 (Aroclor 1242)	ug/kg	82.1	48.8 J	706	292	35.7 J	324 J	151	42.3 UJ	326 J	283 J	23.0 U	45.6 UJ
PCB-1248 (Aroclor 1248)	ug/kg	26.7 U	36.8 U	36.4 U	32.0 U	35.1 U	47.5 UJ	28.3 U	42.3 UJ	63.2 UJ	59.2 UJ	23.0 U	45.6 UJ
PCB-1254 (Aroclor 1254)	ug/kg	26.7 U	36.8 U	125	47.6 J	35.1 U	97.0 J	28.3 U	42.3 UJ	100 J	74.7 J	23.0 U	45.6 UJ
PCB-1260 (Aroclor 1260)	ug/kg	26.7 U	36.8 U	36.4 U	32.0 U	35.1 U	47.5 UJ	28.3 U	42.3 UJ	63.2 UJ	59.2 UJ	23.0 U	45.6 UJ
Polychlorinated Biphenyl (PCBs)	ug/kg	108	48.8 J	1210	551	35.7 J	608 J	212	42.3 UJ	618 J	538 J	23.0 U	45.6 UJ
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-240	HR17-OU2-R4-241	HR17-OU2-R4-242	HR17-OU2-R4-242	HR17-OU2-R4-244	HR17-OU2-R4-245	HR17-OU2-R4-246	HR17-OU2-R4-249	HR17-OU2-R4-250	HR17-OU2-R4-253	HR17-OU2-R4-254	HR17-OU2-R4-255
Sample Name		HR17-OU2-R4-240	HR17-OU2-R4-241	HR17-OU2-R4-242	HR17-OU2-R4-FD23	HR17-OU2-R4-244	HR17-OU2-R4-245	HR17-OU2-R4-246	HR17-OU2-R4-249	HR17-OU2-R4-250	HR17-OU2-R4-253	HR17-OU2-R4-254	HR17-OU2-R4-255
Sample Date		8/23/2017	8/24/2017	8/24/2017	8/24/2017	8/4/2017	8/24/2017	8/24/2017	8/15/2017	8/4/2017	8/11/2017	8/11/2017	8/15/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample					HR17-OU2-R4-242								
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	5510	33200 J	33600 J	24100 J	31100 J	32400 J	26100 J	23000 J	11300	1940	10200	15200
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	95	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	86	100	100	100	72	100	100	100	74	99	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	39	100	100	100	70	99	100	99	53	97	99	100
Sieve-U.S. Std. No. 10 (2mm)	%	24	99	99	99	67	98	96	99	39	94	99	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	15	97	98	96	65	96	92	97	26	77	96	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	12	95	97	96	53	96	90	96	25	18	94	97
Sieve-U.S. Std. No. 60 (0.25mm)	%	11	94	97	95	43	96	89	95	10	4	82	94
Sieve-U.S. Std. No. 140 (0.106mm)	%	10	92	94	92	40	95	87	81	9	3	30	65
Sieve-U.S. Std. No. 200 (0.075mm)	%	9.4	90	92	90	29	94	86	50	3.2	3.4	18	37
Grain Size Classification													
Gravel	%	61	0	0	0	30	1	0	1	47	3	1	0
Sand	%	29.6	10	8	10	41	5	14	49	49.8	93.6	81	63
Fines	%	9.4	90	92	90	29	94	86	50	3.2	3.4	18	37
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	1.3	46.5	46.6	48.9	16.7	66.0	36.6	15.1	0.6	0.2	2.1	8.6
Hydrometer, Reading 2, Percent Passing	%	1.3	41.2	41.5	44.0	14.6	62.3	35.8	13.8	0.5	0.2	2.1	6.7
Hydrometer, Reading 3, Percent Passing	%	1.2	27.3	25.6	32.4	9.4	41.9	29.5	11.1	0.4	0.2	1.8	4.6
Hydrometer, Reading 4, Percent Passing	%	0.6	22.1	21.3	27.5	6.8	36.4	23.2	8.8	0.3	0.2	1.8	4.4
Hydrometer, Reading 5, Percent Passing	%	0.6	16.0	14.7	19.2	5.7	28.1	17.7	8.0	0.2	0.2	1.4	3.5
Hydrometer, Reading 6, Percent Passing	%	0.2	9.9	8.2	12.6	3.6	16.0	9.0	3.9	0.1	0.1	0.9	2.3
Hydrometer, Reading 7, Percent Passing	%	0.2	4.6	5.3	6.0	2.9	8.6	4.2	3.0	0.1	0.1	0.7	1.0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	21.3 U	51.7 UJ	51.8 UJ	54.1 UJ	42.5 UJ	55.9 UJ	57.1 UJ	39.8 UJ	26.6 U	26.8 U	35.6 U	33.7 U
PCB-1221 (Aroclor 1221)	ug/kg	21.3 U	138 J	116 J	79.0 J	120 J	162 J	308 J	39.8 UJ	465	55.8 J	35.6 U	33.7 U
PCB-1232 (Aroclor 1232)	ug/kg	21.3 U	51.7 UJ	51.8 UJ	54.1 UJ	42.5 UJ	55.9 UJ	57.1 UJ	39.8 UJ	26.6 U	26.8 U	35.6 U	33.7 U
PCB-1242 (Aroclor 1242)	ug/kg	44.5 J	202 J	194 J	152 J	215 J	249 J	556 J	39.8 UJ	1810	182	35.6 U	33.7 U
PCB-1248 (Aroclor 1248)	ug/kg	21.3 U	51.7 UJ	51.8 UJ	54.1 UJ	42.5 UJ	55.9 UJ	57.1 UJ	39.8 UJ	26.6 U	26.8 U	35.6 U	33.7 U
PCB-1254 (Aroclor 1254)	ug/kg	21.3 U	64.8 J	67.8 J	54.1 UJ	57.1 J	87.3 J	100 J	39.8 UJ	93.4	26.8 U	35.6 U	33.7 U
PCB-1260 (Aroclor 1260)	ug/kg	21.3 U	51.7 UJ	51.8 UJ	54.1 UJ	42.5 UJ	55.9 UJ	57.1 UJ	39.8 UJ	26.6 U	26.8 U	35.6 U	33.7 U
Polychlorinated Biphenyl (PCBs)	ug/kg	44.5 J	404 J	378 J	284 J	392 J	498 J	964 J	39.8 UJ	2370	237	35.6 U	33.7 U

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-258	HR17-OU2-R4-259	HR17-OU2-R4-260	HR17-OU2-R4-260	HR17-OU2-R4-262	HR17-OU2-R4-263	HR17-OU2-R4-265	HR17-OU2-R4-267	HR17-OU2-R4-268	HR17-OU2-R4-277	HR17-OU2-R4-278	HR17-OU2-R4-283
Sample Name		HR17-OU2-R4-258	HR17-OU2-R4-259	HR17-OU2-R4-260	HR17-OU2-R4-FD19	HR17-OU2-R4-262	HR17-OU2-R4-263	HR17-OU2-R4-265	HR17-OU2-R4-267	HR17-OU2-R4-268	HR17-OU2-R4-277	HR17-OU2-R4-278	HR17-OU2-R4-283
Sample Date		8/11/2017	8/11/2017	8/15/2017	8/15/2017	8/11/2017	8/11/2017	8/15/2017	8/11/2017	8/15/2017	8/10/2017	8/10/2017	8/10/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample					HR17-OU2-R4-260								
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	12700	1630	3670	3060	3370	11100	26400 J	8980	23900 J	19000 J	12000	4710
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	98	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	93	100	94	99	100	100	100	100	100	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	75	97	92	97	100	100	100	100	100	94	100	99
Sieve-U.S. Std. No. 10 (2mm)	%	48	92	90	95	99	100	100	99	100	87	100	96
Sieve-U.S. Std. No. 20 (0.85mm)	%	27	71	88	91	98	97	97	97	93	71	98	94
Sieve-U.S. Std. No. 40 (0.425mm)	%	9	32	74	71	85	94	96	84	89	53	96	79
Sieve-U.S. Std. No. 60 (0.25mm)	%	2	6	48	44	44	80	94	57	85	47	91	79
Sieve-U.S. Std. No. 140 (0.106mm)	%	1	1	22	19	6	53	85	28	71	40	66	76
Sieve-U.S. Std. No. 200 (0.075mm)	%	1.1	1.0	7.5	2.9	4.0	44	65	24	46	37	55	71
Grain Size Classification													
Gravel	%	25	3	8	3	0	0	0	0	0	6	0	1
Sand	%	73.9	96	84.5	94.1	96	56	35	76	54	57	45	28
Fines	%	1.1	1.0	7.5	2.9	4.0	44	65	24	46	37	55	71
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0.1	0	0.7	0.2	0.3	9.0	34.2	4.7	21.0	11.6	15.0	8.3
Hydrometer, Reading 2, Percent Passing	%	0.1	0	0.4	0.2	0.2	7.8	31.7	4.3	12.1	8.8	13.4	7.0
Hydrometer, Reading 3, Percent Passing	%	0.1	0	0.3	0.2	0.2	6.6	22.3	3.9	7.1	8.1	10.7	7.0
Hydrometer, Reading 4, Percent Passing	%	0.1	0	0.3	0.1	0.2	6.2	20.3	3.1	5.8	6.7	10.2	7.0
Hydrometer, Reading 5, Percent Passing	%	0.1	0	0.3	0.1	0.2	4.7	16.3	2.5	3.7	5.7	9.1	5.8
Hydrometer, Reading 6, Percent Passing	%	0	0	0.1	0.1	0.1	2.3	9.8	1.4	0.3	5.3	8.1	5.8
Hydrometer, Reading 7, Percent Passing	%	0	0	0.1	0.1	0.1	2.3	5.4	1.2	0.3	3.9	4.3	4.5
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	21.6 U	25.5 U	27.1 U	27.4 U	27.8 U	32.0 U	47.8 UJ	30.6 U	42.5 UJ	39.7 UJ	35.1 U	29.0 U
PCB-1221 (Aroclor 1221)	ug/kg	21.6 U	25.5 U	27.1 U	27.4 U	27.8 U	32.0 U	47.8 UJ	30.6 U	42.5 UJ	39.7 UJ	35.1 U	29.0 U
PCB-1232 (Aroclor 1232)	ug/kg	21.6 U	25.5 U	27.1 U	27.4 U	27.8 U	32.0 U	47.8 UJ	30.6 U	42.5 UJ	39.7 UJ	35.1 U	29.0 U
PCB-1242 (Aroclor 1242)	ug/kg	21.6 U	25.5 U	27.1 U	27.4 U	27.8 U	32.0 U	47.8 UJ	30.6 U	42.5 UJ	39.7 UJ	35.1 U	29.0 U
PCB-1248 (Aroclor 1248)	ug/kg	21.6 U	25.5 U	27.1 U	27.4 U	27.8 U	32.0 U	47.8 UJ	30.6 U	42.5 UJ	39.7 UJ	35.1 U	29.0 U
PCB-1254 (Aroclor 1254)	ug/kg	21.8 J	25.5 U	27.1 U	27.4 U	27.8 U	32.0 U	47.8 UJ	30.6 U	42.5 UJ	39.7 UJ	35.1 U	29.0 U
PCB-1260 (Aroclor 1260)	ug/kg	21.6 U	25.5 U	27.1 U	27.4 U	27.8 U	32.0 U	47.8 UJ	30.6 U	42.5 UJ	39.7 UJ	35.1 U	29.0 U
Polychlorinated Biphenyl (PCBs)	ug/kg	21.8 J	25.5 U	27.1 U	27.4 U	27.8 U	32.0 U	47.8 UJ	30.6 U	42.5 UJ	39.7 UJ	35.1 U	29.0 U
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-284	HR17-OU2-R4-285	HR17-OU2-R4-290	HR17-OU2-R4-290	HR17-OU2-R4-291	HR17-OU2-R4-292	HR17-OU2-R4-296	HR17-OU2-R4-297	HR17-OU2-R4-302	HR17-OU2-R4-303	HR17-OU2-R4-304	HR17-OU2-R4-305
Sample Name		HR17-OU2-R4-284	HR17-OU2-R4-285	HR17-OU2-R4-290	HR17-OU2-R4-FD16	HR17-OU2-R4-291	HR17-OU2-R4-292	HR17-OU2-R4-296	HR17-OU2-R4-297	HR17-OU2-R4-302	HR17-OU2-R4-303	HR17-OU2-R4-304	HR17-OU2-R4-305
Sample Date		8/10/2017	8/15/2017	8/10/2017	8/10/2017	8/2/2017	8/15/2017	8/8/2017	8/2/2017	8/8/2017	8/2/2017	8/2/2017	8/2/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample					HR17-OU2-R4-290								
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	15200	4900	27900 J	28000 J	18200 J	5620	24600 J	32500 J	30200	23700 J	30400 J	24200 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	98	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	98	85	100	100	100	63	100	100	93	100	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	92	51	100	99	100	25	100	100	89	100	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	84	27	100	97	100	14	100	100	86	100	99	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	75	19	100	96	98	8	98	97	82	99	98	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	58	14	99	95	96	5	96	96	77	98	97	96
Sieve-U.S. Std. No. 60 (0.25mm)	%	54	11	98	95	95	4	94	95	67	98	96	94
Sieve-U.S. Std. No. 140 (0.106mm)	%	52	8	94	92	82	4	83	93	46	95	96	90
Sieve-U.S. Std. No. 200 (0.075mm)	%	50	1.6	90	88	77	1.0	75	92	37	94	96	89
Grain Size Classification													
Gravel	%	8	49	0	1	0	75	0	0	11	0	0	0
Sand	%	42	49.4	10	11	23	24	25	8	52	6	4	11
Fines	%	50	1.6	90	88	77	1.0	75	92	37	94	96	89
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	20.9	0.2	56.8	53.7	39.4	0.1	32.9	53.1	8.5	68.6	51.7	58.2
Hydrometer, Reading 2, Percent Passing	%	19.2	0.2	46.3	41.7	33.6	0.1	31.6	49.7	8.5	54.9	47.8	51.5
Hydrometer, Reading 3, Percent Passing	%	14.9	0.1	37.6	36.1	25.4	0.1	25.3	36.5	6.6	41.1	34.4	39.9
Hydrometer, Reading 4, Percent Passing	%	11.5	0.1	28.9	28.1	19.0	0.1	20.8	31.5	5.3	34.3	30.6	36.5
Hydrometer, Reading 5, Percent Passing	%	9.4	0.1	24.5	24.1	17.7	0.1	18.3	30.6	5.3	25.7	30.6	31.5
Hydrometer, Reading 6, Percent Passing	%	6.9	0	17.6	16.1	13.9	0	13.2	19.8	4.1	20.5	21.0	20.7
Hydrometer, Reading 7, Percent Passing	%	3.9	0	9.7	10.5	7.6	0	12.0	11.5	3.1	10.2	11.4	11.6
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	35.9 U	22.5 U	45.6 UJ	46.0 UJ	35.7 UJ	22.2 U	41.1 UJ	41.9 UJ	38.9 U	38.2 UJ	44.1 UJ	36.5 UJ
PCB-1221 (Aroclor 1221)	ug/kg	35.9 U	96.8	45.6 UJ	46.0 UJ	35.7 UJ	105	41.1 UJ	41.9 UJ	62.6 J	38.2 UJ	44.1 UJ	36.5 UJ
PCB-1232 (Aroclor 1232)	ug/kg	35.9 U	22.5 U	45.6 UJ	46.0 UJ	35.7 UJ	22.2 U	41.1 UJ	41.9 UJ	38.9 U	38.2 UJ	44.1 UJ	36.5 UJ
PCB-1242 (Aroclor 1242)	ug/kg	35.9 U	884	45.6 UJ	46.0 UJ	35.7 UJ	614 J	53.3 J	41.9 UJ	263	56.7 J	89.2 J	40.9 J
PCB-1248 (Aroclor 1248)	ug/kg	35.9 U	22.5 U	45.6 UJ	46.0 UJ	35.7 UJ	22.2 U	41.1 UJ	41.9 UJ	38.9 U	38.2 UJ	44.1 UJ	36.5 UJ
PCB-1254 (Aroclor 1254)	ug/kg	35.9 U	99.1	45.6 UJ	46.0 UJ	35.7 UJ	69.1	41.1 UJ	41.9 UJ	113	38.2 UJ	48.1 J	36.5 UJ
PCB-1260 (Aroclor 1260)	ug/kg	35.9 U	22.5 U	45.6 UJ	46.0 UJ	35.7 UJ	22.2 U	41.1 UJ	41.9 UJ	38.9 U	38.2 UJ	44.1 UJ	36.5 UJ
Polychlorinated Biphenyl (PCBs)	ug/kg	35.9 U	1080	45.6 UJ	46.0 UJ	35.7 UJ	788	53.3 J	41.9 UJ	439	56.7 J	137 J	40.9 J
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R4-311	HR17-OU2-R4-316	HR17-OU2-R4-316	HR17-OU2-R4-317	HR17-OU2-R4-317	HR17-OU2-R4-320	HR17-OU2-R4-321	HR17-OU2-R4-323	HR17-OU2-R4-325	HR17-OU2-R4-326	HR17-OU2-R4-327	HR17-OU2-R4-327
Sample Name		HR17-OU2-R4-311	HR17-OU2-R4-316	HR17-OU2-R4-FD04	HR17-OU2-R4-317	HR17-OU2-R4-FD07	HR17-OU2-R4-320	HR17-OU2-R4-321	HR17-OU2-R4-323	HR17-OU2-R4-325	HR17-OU2-R4-326	HR17-OU2-R4-327	HR17-OU2-R4-FD01
Sample Date		8/2/2017	8/2/2017	8/2/2017	8/4/2017	8/4/2017	8/4/2017	8/2/2017	8/8/2017	7/26/2017	7/26/2017	7/26/2017	7/26/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample				HR17-OU2-R4-316		HR17-OU2-R4-317							HR17-OU2-R4-327
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	26400 J	30700 J	27800 J	23900 J	26800 J	25700 J	29300 J	26700	20200	19400 J	14100	14000
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	96	98	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	89	89	84	99	66	86	86	90	94
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	100	89	88	78	99	37	76	76	82	86
Sieve-U.S. Std. No. 10 (2mm)	%	100	100	99	88	88	70	98	18	65	68	73	77
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	98	98	88	87	58	96	12	52	60	59	65
Sieve-U.S. Std. No. 40 (0.425mm)	%	98	97	96	73	86	35	95	10	45	55	49	55
Sieve-U.S. Std. No. 60 (0.25mm)	%	97	97	96	57	85	25	94	9	38	50	45	50
Sieve-U.S. Std. No. 140 (0.106mm)	%	96	95	95	55	84	18	91	8	28	42	41	47
Sieve-U.S. Std. No. 200 (0.075mm)	%	95	95	95	39	84	14	90	7.5	24	39	40	46
Grain Size Classification													
Gravel	%	0	0	0	11	12	22	1	63	24	24	18	14
Sand	%	5	5	5	50	4	64	9	29.5	52	37	42	40
Fines	%	95	95	95	39	84	14	90	7.5	24	39	40	46
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	79.6	67.4	71.1	28.5	58.1	2.9	66.8	0.8	11.6	18.9	22.2	25.3
Hydrometer, Reading 2, Percent Passing	%	79.6	67.4	67.7	27.7	56.4	2.9	60.4	0.8	10.2	18.3	22.2	24.7
Hydrometer, Reading 3, Percent Passing	%	59.2	53.6	59.2	21.1	41.4	2.6	46.1	0.8	9.2	17.1	20.3	22.0
Hydrometer, Reading 4, Percent Passing	%	42.5	45.8	47.3	20.4	39.8	2.1	46.1	0.7	5.9	12.8	17.7	18.8
Hydrometer, Reading 5, Percent Passing	%	38.8	41.5	42.3	16.8	30.6	1.8	36.5	0.7	5.5	11.2	15.8	17.5
Hydrometer, Reading 6, Percent Passing	%	25.9	25.9	27.0	8.7	17.4	0.9	23.8	0.7	4.8	7.8	10.7	11.6
Hydrometer, Reading 7, Percent Passing	%	14.7	13.8	15.2	3.6	9.9	0.5	14.2	0.6	4.1	4.1	5.6	6.0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	42.8 UJ	48.6 UJ	46.7 UJ	40.2 UJ	38.9 UJ	37.9 UJ	48.9 UJ	24.8 U	29.4 U	32.3 UJ	29.2 U	30.4 U
PCB-1221 (Aroclor 1221)	ug/kg	42.8 UJ	50.7 J	49.3 J	40.2 UJ	38.9 UJ	427 J	63.4 J	27.3 J	454	493 J	546	581
PCB-1232 (Aroclor 1232)	ug/kg	42.8 UJ	48.6 UJ	46.7 UJ	40.2 UJ	38.9 UJ	37.9 UJ	48.9 UJ	24.8 U	29.4 U	32.3 UJ	29.2 U	30.4 U
PCB-1242 (Aroclor 1242)	ug/kg	117 J	201 J	158 J	104 J	97.7 J	1060 J	203 J	107	592	730 J	398	459
PCB-1248 (Aroclor 1248)	ug/kg	42.8 UJ	48.6 UJ	46.7 UJ	40.2 UJ	38.9 UJ	37.9 UJ	48.9 UJ	24.8 U	29.4 U	32.3 UJ	29.2 U	30.4 U
PCB-1254 (Aroclor 1254)	ug/kg	58.0 J	75.8 J	72.2 J	60.1 J	53.5 J	149 J	57.2 J	24.8 U	70.8 J	87.4 J	51.9 J	57.3 J
PCB-1260 (Aroclor 1260)	ug/kg	42.8 UJ	48.6 UJ	46.7 UJ	40.2 UJ	38.9 UJ	37.9 UJ	48.9 UJ	24.8 U	29.4 U	32.3 UJ	29.2 U	30.4 U
Polychlorinated Biphenyl (PCBs)	ug/kg	175 J	328 J	280 J	164 J	151 J	1640 J	324 J	134	1120	1310 J	996	1100
Notes:													
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.													
U = Indicates the analyte was not detected greater than the laboratory reporting limit.													
ug/kg = Micrograms per Kilogram													
mg/kg = Milligrams per Kilogram													
NA = Not Analyzed, ND = Non-detect													
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.													
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.													

Table 3-2E Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 4, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R4-328	HR17-OU2-R4-329	HR17-OU2-R4-330	HR17-OU2-R4-331	HR17-OU2-R4-332	HR17-OU2-R4-333	HR17-OU2-R4-334	HR17-OU2-R4-335	HR17-OU2-R4-336	HR17-OU2-R4-337	HR17-OU2-R4-338	
Sample Name	HR17-OU2-R4-328	HR17-OU2-R4-329	HR17-OU2-R4-330	HR17-OU2-R4-331	HR17-OU2-R4-332	HR17-OU2-R4-333	HR17-OU2-R4-334	HR17-OU2-R4-335	HR17-OU2-R4-336	HR17-OU2-R4-337	HR17-OU2-R4-338	
Sample Date	7/26/2017	7/26/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/3/2017	8/3/2017	8/3/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample												
Analyte	Unit											
Total Organic Carbon (LLOYD KAHN)												
Total Organic Carbon	mg/kg	30300 J	25700 J	23900 J	24200 J	25600 J	29700 J	22600 J	33500 J	23100 J	26100 J	26700
Grain Size (D422)												
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	97	91	94	89	98	92	98	100	99	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	96	90	93	89	97	92	96	100	98	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	95	89	93	89	96	92	95	100	98	100	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	91	88	92	88	96	91	93	99	97	78	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	89	87	92	87	96	91	93	98	96	76	96
Sieve-U.S. Std. No. 60 (0.25mm)	%	88	86	91	87	96	91	93	97	92	75	95
Sieve-U.S. Std. No. 140 (0.106mm)	%	85	86	90	85	94	91	91	94	82	69	88
Sieve-U.S. Std. No. 200 (0.075mm)	%	84	85	79	83	93	91	90	91	67	66	84
Grain Size Classification												
Gravel	%	4	10	7	11	3	8	4	0	2	0	0
Sand	%	12	5	14	6	4	1	6	9	31	34	16
Fines	%	84	85	79	83	93	91	90	91	67	66	84
Hydrometer Readings (D422)												
Hydrometer, Reading 1, Percent Passing	%	59.1	52.2	48.2	56.0	67.8	80.0	50.3	45.5	36.7	42.3	44.2
Hydrometer, Reading 2, Percent Passing	%	54.4	49.3	42.9	51.2	60.4	65.2	41.8	40.4	33.5	37.5	34.5
Hydrometer, Reading 3, Percent Passing	%	49.1	41.5	35.9	38.2	47.5	63.5	36.2	31.8	21.5	29.0	26.2
Hydrometer, Reading 4, Percent Passing	%	42.4	33.1	28.8	33.4	41.0	55.3	27.7	26.7	15.1	19.3	19.3
Hydrometer, Reading 5, Percent Passing	%	31.7	27.7	25.3	27.7	34.5	48.7	25.6	22.5	15.1	18.1	13.8
Hydrometer, Reading 6, Percent Passing	%	19.0	16.3	10.3	18.8	19.7	30.7	15.0	13.1	8.2	10.8	8.9
Hydrometer, Reading 7, Percent Passing	%	11.6	9.2	4.1	9.2	10.5	17.5	8.7	8.0	3.7	5.4	5.5
PCBs (SW8082A)												
PCB-1016 (Aroclor 1016)	ug/kg	44.4 UJ	42.8 UJ	47.3 UJ	44.5 UJ	39.4 UJ	51.0 UJ	50.7 UJ	48.5 UJ	32.7 UJ	33.6 UJ	28.5 U
PCB-1221 (Aroclor 1221)	ug/kg	162 J	145 J	290 J	193 J	192 J	235 J	261 J	386 J	368 J	218 J	373
PCB-1232 (Aroclor 1232)	ug/kg	44.4 UJ	42.8 UJ	47.3 UJ	44.5 UJ	39.4 UJ	51.0 UJ	50.7 UJ	48.5 UJ	32.7 UJ	33.6 UJ	28.5 U
PCB-1242 (Aroclor 1242)	ug/kg	303 J	250 J	405 J	436 J	296 J	366 J	444 J	556 J	608 J	397 J	680
PCB-1248 (Aroclor 1248)	ug/kg	44.4 UJ	42.8 UJ	47.3 UJ	44.5 UJ	39.4 UJ	51.0 UJ	50.7 UJ	48.5 UJ	32.7 UJ	33.6 UJ	28.5 U
PCB-1254 (Aroclor 1254)	ug/kg	66.6 J	58.2 J	108 J	135 J	82.7 J	95.3 J	109 J	114 J	149 J	103 J	170
PCB-1260 (Aroclor 1260)	ug/kg	44.4 UJ	42.8 UJ	47.3 UJ	44.5 UJ	39.4 UJ	51.0 UJ	50.7 UJ	48.5 UJ	32.7 UJ	33.6 UJ	28.5 U
Polychlorinated Biphenyl (PCBs)	ug/kg	531 J	454 J	803 J	764 J	571 J	696 J	814 J	1060 J	1130 J	718 J	1220
Notes:												
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.												
U = Indicates the analyte was not detected greater than the laboratory reporting limit.												
ug/kg = Micrograms per Kilogram												
mg/kg = Milligrams per Kilogram												
NA = Not Analyzed, ND = Non-detect												
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.												
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.												

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R3-014	HR17-OU2-R3-015	HR17-OU2-R3-016	HR17-OU2-R3-016	HR17-OU2-R3-020	HR17-OU2-R3-021	HR17-OU2-R3-022	HR17-OU2-R3-023	HR17-OU2-R3-024	HR17-OU2-R3-025	HR17-OU2-R3-026	HR17-OU2-R3-027
Sample Name		HR17-OU2-R3-014	HR17-OU2-R3-015	HR17-OU2-R3-016	HR17-OU2-R3-FD10	HR17-OU2-R3-020	HR17-OU2-R3-021	HR17-OU2-R3-022	HR17-OU2-R3-023	HR17-OU2-R3-024	HR17-OU2-R3-025	HR17-OU2-R3-026	HR17-OU2-R3-027
Sample Date		7/24/2017	7/28/2017	8/24/2017	8/24/2017	7/24/2017	7/24/2017	7/28/2017	8/29/2017	7/24/2017	7/24/2017	7/28/2017	8/29/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample					HR17-OU2-R3-016								
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	41200 J	8210	24800 J	34600 J	40000 J	18600	1220	30000 J	27700	13300 J	10900	9420
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	94	100	100	100	100	100	100	95	100	100	96
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	86	100	100	100	97	89	100	91	99	97	85
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	59	100	100	100	94	80	100	86	98	93	77
Sieve-U.S. Std. No. 10 (2mm)	%	100	26	98	99	100	86	65	100	79	96	87	64
Sieve-U.S. Std. No. 20 (0.85mm)	%	96	25	96	96	93	76	44	98	68	91	74	51
Sieve-U.S. Std. No. 40 (0.425mm)	%	95	23	94	94	87	67	23	97	57	81	54	33
Sieve-U.S. Std. No. 60 (0.25mm)	%	93	20	90	89	81	61	10	96	48	69	39	18
Sieve-U.S. Std. No. 140 (0.106mm)	%	88	11	55	54	57	46	2	92	26	38	21	6
Sieve-U.S. Std. No. 200 (0.075mm)	%	82	8.0	44	43	44	38	1.7	85	20	27	16	4.5
Grain Size Classification													
Gravel	%	0	41	0	0	0	6	20	0	14	2	7	23
Sand	%	18	51	56	57	56	56	78.3	15	66	71	77	72.5
Fines	%	82	8.0	44	43	44	38	1.7	85	20	27	16	4.5
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	47.3	1.4	8.8	8.0	15.4	9.4	0.1	41.8	3.3	5.1	2.4	0.2
Hydrometer, Reading 2, Percent Passing	%	42.0	1.3	8.2	5.3	15.4	8.5	0.1	36.9	2.7	4.7	2.3	0.2
Hydrometer, Reading 3, Percent Passing	%	32.4	1.0	6.4	4.8	10.4	6.5	0.1	28.6	2.4	3.5	2.0	0.2
Hydrometer, Reading 4, Percent Passing	%	29.2	0.8	5.8	4.8	10.4	5.5	0.1	20.4	2.1	2.9	1.9	0.1
Hydrometer, Reading 5, Percent Passing	%	15.4	0.7	4.6	3.4	10.4	4.6	0.1	17.2	2.1	2.6	1.6	0.1
Hydrometer, Reading 6, Percent Passing	%	18.6	0.6	3.4	2.0	8.7	2.9	0.1	10.6	1.6	2.3	1.4	0
Hydrometer, Reading 7, Percent Passing	%	14.3	0.5	1.6	2.0	7.0	1.7	0.1	4.0	1.3	2.1	1.4	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	37.0 UJ	23.3 U	35.9 U	39.7 UJ	41.3 UJ	24.7 U	18.4 U	43.6 UJ	21.0 U	22.9 U	23.4 U	26.7 U
PCB-1221 (Aroclor 1221)	ug/kg	15700 J	389	549 J	330 J	18700 J	280	69.3	213 J	1820	186	3570	53.2 J
PCB-1232 (Aroclor 1232)	ug/kg	37.0 UJ	23.3 U	35.9 U	39.7 UJ	41.3 UJ	24.7 U	18.4 U	43.6 UJ	21.0 U	22.9 U	23.4 U	26.7 U
PCB-1242 (Aroclor 1242)	ug/kg	16800 J	731	819	667 J	20200 J	284	153	405 J	1610	309	10200	59.9 J
PCB-1248 (Aroclor 1248)	ug/kg	37.0 UJ	23.3 U	35.9 U	39.7 UJ	41.3 UJ	24.7 U	18.4 U	43.6 UJ	21.0 U	22.9 U	23.4 U	26.7 U
PCB-1254 (Aroclor 1254)	ug/kg	684 J	119	97.7	132 J	898 J	50.8 J	18.4 U	126 J	88.8	41.5 J	343	26.7 U
PCB-1260 (Aroclor 1260)	ug/kg	37.0 UJ	23.3 U	35.9 U	39.7 UJ	41.3 UJ	24.7 U	18.4 U	43.6 UJ	21.0 U	22.9 U	23.4 U	26.7 U
Polychlorinated Biphenyl (PCBs)	ug/kg	33200 J	1240	1470	1130 J	39800 J	615	223	744 J	3520	537	14100	113

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R3-028	HR17-OU2-R3-029	HR17-OU2-R3-030	HR17-OU2-R3-032	HR17-OU2-R3-032	HR17-OU2-R3-033	HR17-OU2-R3-033	HR17-OU2-R3-034	HR17-OU2-R3-034	HR17-OU2-R3-035	HR17-OU2-R3-036	HR17-OU2-R3-037	HR17-OU2-R3-038
Sample Name	HR17-OU2-R3-028	HR17-OU2-R3-029	HR17-OU2-R3-030	HR17-OU2-R3-032	HR17-OU2-R3-FD02	HR17-OU2-R3-033	HR17-OU2-R3-033	HR17-OU2-R3-034	HR17-OU2-R3-FD04	HR17-OU2-R3-035	HR17-OU2-R3-036	HR17-OU2-R3-037	HR17-OU2-R3-038
Sample Date	7/24/2017	7/24/2017	7/24/2017	7/24/2017	7/24/2017	7/24/2017	7/24/2017	7/28/2017	7/28/2017	7/28/2017	7/25/2017	8/29/2017	7/28/2017
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample									HR17-OU2-R3-034				
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	28200 J	15000	8200	1940	2430	14200	1980 J	2190	2540	11300	2070	6770
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	98	100	100	100	97	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	96	100	100	99	94	98	99	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	93	100	100	99	80	88	92	93	97	95	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	87	99	99	98	72	73	77	80	91	86	100
Sieve-U.S. Std. No. 10 (2mm)	%	100	79	99	97	96	64	55	56	54	71	68	96
Sieve-U.S. Std. No. 20 (0.85mm)	%	95	66	98	91	90	59	38	38	33	45	46	86
Sieve-U.S. Std. No. 40 (0.425mm)	%	94	49	93	69	68	54	20	22	19	32	28	70
Sieve-U.S. Std. No. 60 (0.25mm)	%	92	35	79	33	31	43	5	4	6	12	15	51
Sieve-U.S. Std. No. 140 (0.106mm)	%	84	14	28	13	10	22	2	1	4	7	4	17
Sieve-U.S. Std. No. 200 (0.075mm)	%	75	11	20	10	6.7	18	0.4	0.9	4.1	3.9	2.9	11
Grain Size Classification													
Gravel	%	0	13	1	1	2	28	27	23	20	9	14	0
Sand	%	25	76	79	89	91.3	54	72.6	76.1	75.9	87.1	83.1	89
Fines	%	75	11	20	10	6.7	18	0.4	0.9	4.1	3.9	2.9	11
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	33.3	1.5	4.0	1.3	0.9	3.4	0	0.1	0.2	0.4	0.1	1.3
Hydrometer, Reading 2, Percent Passing	%	29.9	1.5	3.5	1.1	0.9	3.3	0	0.1	0.2	0.4	0.1	1.1
Hydrometer, Reading 3, Percent Passing	%	24.6	1.4	3.2	1.0	0.9	3.1	0	0.1	0.2	0.4	0.1	0.9
Hydrometer, Reading 4, Percent Passing	%	20.6	1.2	2.8	1.0	0.8	2.6	0	0.1	0.2	0.3	0.1	0.8
Hydrometer, Reading 5, Percent Passing	%	15.2	1.1	2.1	1.0	0.8	1.9	0	0.1	0.2	0.3	0	0.8
Hydrometer, Reading 6, Percent Passing	%	14.6	1.0	2.1	0.9	0.7	1.9	0	0.1	0.2	0.2	0	0.6
Hydrometer, Reading 7, Percent Passing	%	11.9	0.7	1.6	0.7	0.6	1.5	0	0.1	0.1	0.1	0	0.4
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	39.5 UJ	21.8 U	23.4 U	21.2 U	20.0 U	22.0 U	18.4 U	18.6 U	18.3 U	26.4 U	22.9 U	22.4 U
PCB-1221 (Aroclor 1221)	ug/kg	595 J	277	444	74.8	79.1	750	220	201	157	528	22.9 U	350
PCB-1232 (Aroclor 1232)	ug/kg	39.5 UJ	21.8 U	23.4 U	21.2 U	20.0 U	22.0 U	18.4 U	18.6 U	18.3 U	26.4 U	22.9 U	22.4 U
PCB-1242 (Aroclor 1242)	ug/kg	512 J	486	750	66.2 J	93.9	1750	714	546	489	935	22.9 U	610
PCB-1248 (Aroclor 1248)	ug/kg	39.5 UJ	21.8 U	23.4 U	21.2 U	20.0 U	22.0 U	18.4 U	18.6 U	18.3 U	26.4 U	22.9 U	22.4 U
PCB-1254 (Aroclor 1254)	ug/kg	102 J	34.6 J	61.7 J	21.2 U	20.0 U	99.1	41.6 J	37.8 J	35.6 J	64.5 J	22.9 U	62.2 J
PCB-1260 (Aroclor 1260)	ug/kg	39.5 UJ	21.8 U	23.4 U	21.2 U	20.0 U	22.0 U	18.4 U	18.6 U	18.3 U	26.4 U	22.9 U	22.4 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1210 J	797	1250	141	173	2590	976	784	682	1530	22.9 U	1020

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R3-040	HR17-OU2-R3-041	HR17-OU2-R3-041	HR17-OU2-R3-042	HR17-OU2-R3-044	HR17-OU2-R3-046	HR17-OU2-R3-047	HR17-OU2-R3-047	HR17-OU2-R3-049	HR17-OU2-R3-052	HR17-OU2-R3-054	HR17-OU2-R3-056
Sample Name		HR17-OU2-R3-040	HR17-OU2-R3-041	HR17-OU2-R3-FD03	HR17-OU2-R3-042	HR17-OU2-R3-044	HR17-OU2-R3-046	HR17-OU2-R3-047	HR17-OU2-R3-FD11	HR17-OU2-R3-049	HR17-OU2-R3-052	HR17-OU2-R3-054	HR17-OU2-R3-056
Sample Date		7/28/2017	7/25/2017	7/25/2017	7/25/2017	7/28/2017	8/29/2017	8/29/2017	8/29/2017	7/28/2017	8/18/2017	7/29/2017	8/18/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample				HR17-OU2-R3-041					HR17-OU2-R3-047				
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	3280	2670	3860	21200	1320	15100	3550	3740	22700 J	27900	2900	19800
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	84	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	97	73	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	94	100	100	99	93	58	100	90	97	99	98	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	81	100	100	98	90	51	99	88	95	99	95	100
Sieve-U.S. Std. No. 10 (2mm)	%	55	100	100	95	85	48	93	82	92	99	85	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	55	100	90	77	42	40	83	74	86	95	69	96
Sieve-U.S. Std. No. 40 (0.425mm)	%	54	78	51	64	14	32	72	65	76	93	36	93
Sieve-U.S. Std. No. 60 (0.25mm)	%	54	39	36	59	5	25	51	45	61	91	14	92
Sieve-U.S. Std. No. 140 (0.106mm)	%	53	19	17	8	3	9	10	9	42	82	8	60
Sieve-U.S. Std. No. 200 (0.075mm)	%	53	7	15	4.5	2.9	4.8	6.6	5.9	39	68	7.3	40
Grain Size Classification													
Gravel	%	19	0	0	2	10	49	1	12	5	1	5	0
Sand	%	28	93	85	93.5	87.1	46.2	92.4	82.1	56	31	87.7	60
Fines	%	53	7	15	4.5	2.9	4.8	6.6	5.9	39	68	7.3	40
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	4.7	1.9	1.2	0.6	0.2	0.2	0.2	0.3	10.3	27.9	0.8	9.7
Hydrometer, Reading 2, Percent Passing	%	4.7	0.2	1.1	0.6	0.1	0.2	0.2	0.3	9.6	19.0	0.7	8.6
Hydrometer, Reading 3, Percent Passing	%	4.3	0.1	0.9	0.5	0.1	0.2	0.2	0.2	8.1	16.8	0.3	8.6
Hydrometer, Reading 4, Percent Passing	%	4.3	0.1	0.7	0.4	0.1	0.2	0.2	0.2	7.4	12.4	0.3	6.5
Hydrometer, Reading 5, Percent Passing	%	4.3	0.1	0.7	0.4	0.1	0.1	0.2	0.2	6.0	10.7	0.3	5.8
Hydrometer, Reading 6, Percent Passing	%	4.3	0.1	0.5	0.3	0.1	0.1	0	0	4.9	7.4	0.2	5.1
Hydrometer, Reading 7, Percent Passing	%	4.3	0	0.3	0.2	0.1	0.1	0	0	3.8	4.1	0.2	3.7
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	18.9 U	20.5 U	20.1 U	25.6 U	17.4 U	27.9 U	28.4 U	27.8 U	38.9 UJ	37.8 U	19.6 U	33.5 U
PCB-1221 (Aroclor 1221)	ug/kg	377	457	457	533	261	735	424	445	998 J	251	580	204
PCB-1232 (Aroclor 1232)	ug/kg	18.9 U	20.5 U	20.1 U	25.6 U	17.4 U	27.9 U	28.4 U	27.8 U	38.9 UJ	37.8 U	19.6 U	33.5 U
PCB-1242 (Aroclor 1242)	ug/kg	1340	1090	1130	1240	840	781	948	1060	1530 J	416	1290	310
PCB-1248 (Aroclor 1248)	ug/kg	18.9 U	20.5 U	20.1 U	25.6 U	17.4 U	27.9 U	28.4 U	27.8 U	38.9 UJ	37.8 U	19.6 U	33.5 U
PCB-1254 (Aroclor 1254)	ug/kg	82.9	66.1	62.0 J	86.2	60.3	111	71.9	75.4	192 J	123	77.1	67.5 J
PCB-1260 (Aroclor 1260)	ug/kg	18.9 U	20.5 U	20.1 U	25.6 U	17.4 U	27.9 U	28.4 U	27.8 U	38.9 UJ	37.8 U	19.6 U	33.5 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1800	1610	1650	1850	1160	1630	1440	1580	2720 J	790	1950	582

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R3-058	HR17-OU2-R3-058	HR17-OU2-R3-060	HR17-OU2-R3-061	HR17-OU2-R3-062	HR17-OU2-R3-063	HR17-OU2-R3-065	HR17-OU2-R3-066	HR17-OU2-R3-069	HR17-OU2-R3-070	HR17-OU2-R3-072	HR17-OU2-R3-073
Sample Name		HR17-OU2-R3-058	HR17-OU2-R3-FD05	HR17-OU2-R3-060	HR17-OU2-R3-061	HR17-OU2-R3-062	HR17-OU2-R3-063	HR17-OU2-R3-065	HR17-OU2-R3-066	HR17-OU2-R3-069	HR17-OU2-R3-070	HR17-OU2-R3-072	HR17-OU2-R3-073
Sample Date		7/29/2017	7/29/2017	8/18/2017	7/21/2017	7/29/2017	8/16/2017	8/16/2017	8/16/2017	8/28/2017	8/28/2017	8/24/2017	8/24/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample			HR17-OU2-R3-058										
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	14300 J	4790 J	12700	2230	1380	11900	18500	7730	8730	10900	4750	3540
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	97	100	93	98	100	100	100	100	99	92	99
Sieve-US Std. 0.375-inch (9.5 mm)	%	95	93	85	79	81	100	91	86	97	84	57	88
Sieve-U.S. Std. No. 4 (4.75mm)	%	90	89	75	61	57	100	87	44	96	84	48	60
Sieve-U.S. Std. No. 10 (2mm)	%	85	85	64	42	39	100	81	23	96	84	36	33
Sieve-U.S. Std. No. 20 (0.85mm)	%	79	66	45	32	25	99	66	15	93	82	29	17
Sieve-U.S. Std. No. 40 (0.425mm)	%	61	39	38	23	12	98	44	14	89	81	21	6
Sieve-U.S. Std. No. 60 (0.25mm)	%	46	20	32	9	5	95	32	12	81	80	14	2
Sieve-U.S. Std. No. 140 (0.106mm)	%	18	10	18	3	3	58	21	6	53	67	10	1
Sieve-U.S. Std. No. 200 (0.075mm)	%	15	8.7	14	2.6	2.4	40	2.7	1.3	38	53	8.8	1.2
Grain Size Classification													
Gravel	%	10	11	25	39	43	0	13	56	4	16	52	40
Sand	%	75	80.3	61	58.4	54.6	60	84.3	42.7	58	31	39.2	58.8
Fines	%	15	8.7	14	2.6	2.4	40	2.7	1.3	38	53	8.8	1.2
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	2.5	2.1	1.9	0.2	0	5.0	0.3	0.2	6.4	18.8	0.6	0
Hydrometer, Reading 2, Percent Passing	%	2.1	1.5	1.7	0.2	0	3.8	0.3	0.2	5.2	12.8	0.6	0
Hydrometer, Reading 3, Percent Passing	%	1.9	1.5	1.7	0.2	0	3.2	0.2	0.2	4.3	8.8	0.6	0
Hydrometer, Reading 4, Percent Passing	%	1.8	1.4	1.7	0.2	0	2.0	0.2	0.1	3.1	8.5	0.3	0
Hydrometer, Reading 5, Percent Passing	%	1.6	1.2	1.2	0.2	0	2.0	0.2	0.1	2.9	6.1	0.3	0
Hydrometer, Reading 6, Percent Passing	%	1.1	1.1	1.0	0.2	0	2.0	0.1	0.1	2.0	4.5	0.1	0
Hydrometer, Reading 7, Percent Passing	%	0.9	0.7	0.5	0	0	0.2	0.1	0.1	1.0	3.5	0.1	0
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	24.9 U	26.2 U	33.5 U	19.4 U	17.5 U	31.1 U	33.5 U	22.8 U	30.3 U	29.8 U	24.1 U	21.2 U
PCB-1221 (Aroclor 1221)	ug/kg	451	614	544	269	194	159	956	121	124	125	456	21.2 U
PCB-1232 (Aroclor 1232)	ug/kg	24.9 U	26.2 U	33.5 U	19.4 U	17.5 U	31.1 U	33.5 U	22.8 U	30.3 U	29.8 U	24.1 U	21.2 U
PCB-1242 (Aroclor 1242)	ug/kg	917	1150	1230	822	578	246	1940	202	176	169	1100	21.2 U
PCB-1248 (Aroclor 1248)	ug/kg	24.9 U	26.2 U	33.5 U	19.4 U	17.5 U	31.1 U	33.5 U	22.8 U	30.3 U	29.8 U	24.1 U	21.2 U
PCB-1254 (Aroclor 1254)	ug/kg	84.6	91.8	95.5	69.3	33.5 J	38.9 J	199	22.8 U	30.3 U	35.3 J	62.7	21.2 U
PCB-1260 (Aroclor 1260)	ug/kg	24.9 U	26.2 U	33.5 U	19.4 U	17.5 U	31.1 U	33.5 U	22.8 U	30.3 U	29.8 U	24.1 U	21.2 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1450	1850	1870	1160	805	444	3100	343	329	330	1620	21.2 U

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R3-074	HR17-OU2-R3-084	HR17-OU2-R3-085	HR17-OU2-R3-088	HR17-OU2-R3-089	HR17-OU2-R3-095	HR17-OU2-R3-102	HR17-OU2-R3-104	HR17-OU2-R3-107	HR17-OU2-R3-108	HR17-OU2-R3-113	HR17-OU2-R3-114
Sample Name		HR17-OU2-R3-074	HR17-OU2-R3-084	HR17-OU2-R3-085	HR17-OU2-R3-088	HR17-OU2-R3-089	HR17-OU2-R3-095	HR17-OU2-R3-102	HR17-OU2-R3-104	HR17-OU2-R3-107	HR17-OU2-R3-108	HR17-OU2-R3-113	HR17-OU2-R3-114
Sample Date		8/28/2017	8/28/2017	8/28/2017	8/28/2017	7/21/2017	8/28/2017	8/28/2017	8/28/2017	8/28/2017	8/5/2017	8/28/2017	7/20/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	7650	31100	18800	4550	1200 J	19100	13000	1450	12400	1260	43700 J	4540
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	89
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	89
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	100	100	88
Sieve-US Std. 0.375-inch (9.5 mm)	%	83	95	100	87	100	100	100	100	100	92	79	81
Sieve-U.S. Std. No. 4 (4.75mm)	%	72	94	100	82	99	100	100	99	100	88	79	67
Sieve-U.S. Std. No. 10 (2mm)	%	61	92	98	66	96	100	99	97	99	83	78	51
Sieve-U.S. Std. No. 20 (0.85mm)	%	52	89	94	55	86	97	96	88	97	72	73	43
Sieve-U.S. Std. No. 40 (0.425mm)	%	42	84	90	42	46	95	95	48	95	28	71	32
Sieve-U.S. Std. No. 60 (0.25mm)	%	34	74	80	33	7	93	91	7	89	13	67	17
Sieve-U.S. Std. No. 140 (0.106mm)	%	22	37	51	22	2	62	58	3	40	7	53	7
Sieve-U.S. Std. No. 200 (0.075mm)	%	18	28	41	18	1.9	47	45	2.9	28	4.0	48	6.1
Grain Size Classification													
Gravel	%	28	6	0	18	1	0	0	1	0	12	21	33
Sand	%	54	66	59	64	97.1	53	55	96.1	72	84	31	60.9
Fines	%	18	28	41	18	1.9	47	45	2.9	28	4.0	48	6.1
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	2.9	4.4	7.3	2.2	0.1	13.0	9.8	0.2	4.2	0.1	21.2	0.7
Hydrometer, Reading 2, Percent Passing	%	2.8	4.1	6.7	2.2	0.1	13.0	7.6	0.2	3.4	0.1	17.1	0.7
Hydrometer, Reading 3, Percent Passing	%	2.4	3.6	6.7	1.9	0.1	9.5	5.3	0.2	3.2	0.1	13.4	0.6
Hydrometer, Reading 4, Percent Passing	%	1.9	3.1	6.1	1.7	0.1	7.7	4.4	0.2	3.2	0.1	10.2	0.6
Hydrometer, Reading 5, Percent Passing	%	1.9	3.1	4.6	1.4	0.1	6.4	3.8	0.2	3.0	0.1	7.5	0.5
Hydrometer, Reading 6, Percent Passing	%	1.2	2.1	3.1	1.1	0	4.6	2.4	0.2	2.1	0.1	4.7	0.4
Hydrometer, Reading 7, Percent Passing	%	0.6	1.6	2.5	0.8	0	1.5	1.2	0.2	0.9	0.1	2.0	0.2
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	29.3 U	32.8 U	33.8 U	26.9 U	20.5 U	37.7 U	29.3 U	21.1 U	34.0 U	20.6 U	50.6 UJ	20.5 U
PCB-1221 (Aroclor 1221)	ug/kg	65.0 J	1240	534	55.6 J	70.8	470	290	40.1 J	2680	40.6 J	13000 J	129
PCB-1232 (Aroclor 1232)	ug/kg	29.3 U	32.8 U	33.8 U	26.9 U	20.5 U	37.7 U	29.3 U	21.1 U	34.0 U	20.6 U	50.6 UJ	20.5 U
PCB-1242 (Aroclor 1242)	ug/kg	81.5	2230	1390	106	121	644	1190	80.8	3410	106	12900 J	254
PCB-1248 (Aroclor 1248)	ug/kg	29.3 U	32.8 U	33.8 U	26.9 U	20.5 U	37.7 U	29.3 U	21.1 U	34.0 U	20.6 U	50.6 UJ	20.5 U
PCB-1254 (Aroclor 1254)	ug/kg	29.3 U	230	1010	26.9 U	20.5 U	91.9 J	135	21.1 U	301	20.6 U	925 J	27.2 J
PCB-1260 (Aroclor 1260)	ug/kg	29.3 U	32.8 U	33.8 U	26.9 U	20.5 U	37.7 U	29.3 U	21.1 U	34.0 U	20.6 U	50.6 UJ	20.5 U
Polychlorinated Biphenyl (PCBs)	ug/kg	147	3700	2930	162	191	1210	1610	121	6390	147	26800 J	411

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R3-117	HR17-OU2-R3-118	HR17-OU2-R3-121	HR17-OU2-R3-123	HR17-OU2-R3-125	HR17-OU2-R3-126	HR17-OU2-R3-129	HR17-OU2-R3-131	HR17-OU2-R3-133	HR17-OU2-R3-135	HR17-OU2-R3-137	HR17-OU2-R3-139
Sample Name		HR17-OU2-R3-117	HR17-OU2-R3-118	HR17-OU2-R3-121	HR17-OU2-R3-123	HR17-OU2-R3-125	HR17-OU2-R3-126	HR17-OU2-R3-129	HR17-OU2-R3-131	HR17-OU2-R3-133	HR17-OU2-R3-135	HR17-OU2-R3-137	HR17-OU2-R3-139
Sample Date		8/7/2017	7/20/2017	8/7/2017	7/20/2017	8/7/2017	8/5/2017	8/12/2017	8/12/2017	8/12/2017	8/7/2017	8/12/2017	8/12/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	13100	17700	25000 J	27400 J	16000	12200	4610	8200	5470	6710	3650	7030
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	97	97	100	88	98	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	93	99	98	100	100	89	93	100	81	92	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	91	98	97	100	100	79	84	100	69	85	99	99
Sieve-U.S. Std. No. 10 (2mm)	%	90	92	96	75	100	68	64	100	53	74	95	97
Sieve-U.S. Std. No. 20 (0.85mm)	%	89	77	93	93	98	39	37	100	40	66	86	94
Sieve-U.S. Std. No. 40 (0.425mm)	%	82	43	91	72	97	20	13	97	27	46	71	73
Sieve-U.S. Std. No. 60 (0.25mm)	%	74	16	85	71	92	13	6	74	17	25	49	34
Sieve-U.S. Std. No. 140 (0.106mm)	%	53	8	64	66	62	8	5	37	10	15	25	15
Sieve-U.S. Std. No. 200 (0.075mm)	%	44	7.4	52	63	28	7.1	5.1	35	9.0	13	22	14
Grain Size Classification													
Gravel	%	9	2	3	0	0	21	16	0	31	15	1	1
Sand	%	47	90.6	45	37	72	71.9	78.9	65	60	72	77	85
Fines	%	44	7.4	52	63	28	7.1	5.1	35	9.0	13	22	14
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	6.3	0.5	10.9	37.1	4.7	1.0	0.2	1.0	0.6	1.2	1.5	1.0
Hydrometer, Reading 2, Percent Passing	%	5.5	0.5	9.0	30.1	3.4	0.5	0.2	1.0	0.6	1.2	1.5	0.8
Hydrometer, Reading 3, Percent Passing	%	4.2	0.5	6.2	18.5	2.2	0.2	0.2	1.0	0.6	0.8	1.0	0.8
Hydrometer, Reading 4, Percent Passing	%	3.0	0.5	4.3	18.5	1.4	0.2	0.2	0.6	0.6	0.8	1.0	0.7
Hydrometer, Reading 5, Percent Passing	%	2.2	0.5	4.3	17.4	1.4	0.2	0.2	0.6	0.6	0.7	1.0	0.7
Hydrometer, Reading 6, Percent Passing	%	2.2	0.5	2.5	12.7	1.1	0.1	0.2	0.6	0.4	0.6	0.4	0.4
Hydrometer, Reading 7, Percent Passing	%	1.4	0.4	2.0	9.2	0.3	0.1	0.2	0.6	0.4	0.3	0.4	0.4
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	24.7 U	22.2 U	31.8 UJ	36.0 UJ	25.2 U	20.9 U	24.6 U	27.1 U	25.6 U	22.8 U	26.7 U	31.7 U
PCB-1221 (Aroclor 1221)	ug/kg	562	111	192 J	118 J	323	40.7 J	24.6 U	605	42.8 J	323	34.3 J	602
PCB-1232 (Aroclor 1232)	ug/kg	24.7 U	22.2 U	31.8 UJ	36.0 UJ	25.2 U	20.9 U	24.6 U	27.1 U	25.6 U	22.8 U	26.7 U	31.7 U
PCB-1242 (Aroclor 1242)	ug/kg	1250	199	331 J	92.1 J	449	99.1	38.0 J	955	55.1 J	589	66.6 J	1000
PCB-1248 (Aroclor 1248)	ug/kg	24.7 U	22.2 U	31.8 UJ	36.0 UJ	25.2 U	20.9 U	24.6 U	27.1 U	25.6 U	22.8 U	26.7 U	31.7 U
PCB-1254 (Aroclor 1254)	ug/kg	97.8	22.2 U	62.0 J	62.3 J	74.1 J	22.2 J	24.6 U	75.7	25.6 U	45.2 J	82.5	98.6
PCB-1260 (Aroclor 1260)	ug/kg	24.7 U	22.2 U	31.8 UJ	36.0 UJ	25.2 U	20.9 U	24.6 U	27.1 U	25.6 U	22.8 U	26.7 U	31.7 U
Polychlorinated Biphenyl (PCBs)	ug/kg	1910	310	585 J	272 J	846	162	38.0 J	1640	97.9	957	183	1700

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R3-144	HR17-OU2-R3-146	HR17-OU2-R3-149	HR17-OU2-R3-150	HR17-OU2-R3-153	HR17-OU2-R3-153	HR17-OU2-R3-157	HR17-OU2-R3-158	HR17-OU2-R3-159	HR17-OU2-R3-164	HR17-OU2-R3-167	HR17-OU2-R3-168
Sample Name		HR17-OU2-R3-144	HR17-OU2-R3-146	HR17-OU2-R3-149	HR17-OU2-R3-150	HR17-OU2-R3-153	HR17-OU2-R3-FD08	HR17-OU2-R3-157	HR17-OU2-R3-158	HR17-OU2-R3-159	HR17-OU2-R3-164	HR17-OU2-R3-167	HR17-OU2-R3-168
Sample Date		8/12/2017	8/11/2017	8/12/2017	8/11/2017	8/11/2017	8/11/2017	8/11/2017	8/11/2017	7/21/2017	8/11/2017	7/22/2017	8/11/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample							HR17-OU2-R3-153						
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	17100	26600 J	15300 J	20600 J	14200	16600	32600 J	26200	1210	26600	12500	11600
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	100	100	100	100	94	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	100	100	100	100	100	90	91	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	99	100	99	100	100	99	99	78	87	100	100
Sieve-U.S. Std. No. 10 (2mm)	%	99	96	100	99	100	100	99	98	64	85	100	100
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	94	98	96	97	97	96	97	41	82	99	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	97	91	97	93	95	94	94	96	14	79	98	95
Sieve-U.S. Std. No. 60 (0.25mm)	%	93	86	96	87	92	90	92	93	4	70	94	87
Sieve-U.S. Std. No. 140 (0.106mm)	%	54	64	70	69	56	52	78	75	2	46	50	43
Sieve-U.S. Std. No. 200 (0.075mm)	%	42	54	57	59	37	35	65	65	1.8	37	39	30
Grain Size Classification													
Gravel	%	0	1	0	1	0	0	1	1	22	13	0	0
Sand	%	58	45	43	40	63	65	34	34	76.2	50	61	70
Fines	%	42	54	57	59	37	35	65	65	1.8	37	39	30
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	5.6	15.7	13.8	19.5	5.8	5.9	24.4	24.3	0.1	10.2	8.1	4.4
Hydrometer, Reading 2, Percent Passing	%	5.0	13.4	8.1	17.2	4.7	5.1	23.3	22.6	0.1	9.1	8.1	3.2
Hydrometer, Reading 3, Percent Passing	%	4.0	11.4	6.1	14.9	4.7	3.9	18.3	18.5	0.1	7.7	6.7	3.0
Hydrometer, Reading 4, Percent Passing	%	3.4	8.6	5.2	11.4	3.6	3.6	13.9	12.7	0.1	6.0	5.8	2.6
Hydrometer, Reading 5, Percent Passing	%	2.9	8.6	4.2	10.8	3.6	3.2	12.2	12.7	0.1	5.3	5.1	2.6
Hydrometer, Reading 6, Percent Passing	%	2.4	5.9	3.3	8.0	2.6	2.4	6.6	9.2	0.1	3.8	3.9	2.0
Hydrometer, Reading 7, Percent Passing	%	1.8	3.5	2.3	5.1	1.0	1.6	5.0	4.0	0	1.7	3.0	1.2
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	31.9 U	41.7 UJ	34.3 U	40.4 UJ	32.5 U	33.0 U	45.0 UJ	39.4 U	19.1 U	37.7 U	23.8 U	29.2 U
PCB-1221 (Aroclor 1221)	ug/kg	735	310 J	1150	263 J	165	219	157 J	396	504	239	292	147
PCB-1232 (Aroclor 1232)	ug/kg	31.9 U	41.7 UJ	34.3 U	40.4 UJ	32.5 U	33.0 U	45.0 UJ	39.4 U	19.1 U	37.7 U	23.8 U	29.2 U
PCB-1242 (Aroclor 1242)	ug/kg	1180	474 J	944 J	949 J	299	296	321 J	653	754	583	362	234
PCB-1248 (Aroclor 1248)	ug/kg	31.9 U	41.7 UJ	34.3 U	40.4 UJ	32.5 U	33.0 U	45.0 UJ	39.4 U	19.1 U	37.7 U	23.8 U	29.2 U
PCB-1254 (Aroclor 1254)	ug/kg	197	148 J	96.1	192 J	67.8 J	73.7 J	99.0 J	256	58.5 J	366	47.2 J	48.2 J
PCB-1260 (Aroclor 1260)	ug/kg	31.9 U	41.7 UJ	34.3 U	40.4 UJ	32.5 U	33.0 U	45.0 UJ	39.4 U	19.1 U	37.7 U	23.8 U	29.2 U
Polychlorinated Biphenyl (PCBs)	ug/kg	2120	931 J	2190	1400 J	532	589	577 J	1310	1320	1190	701	429

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R3-172	HR17-OU2-R3-173	HR17-OU2-R3-177	HR17-OU2-R3-180	HR17-OU2-R3-181	HR17-OU2-R3-185	HR17-OU2-R3-187	HR17-OU2-R3-188	HR17-OU2-R3-189	HR17-OU2-R3-189	HR17-OU2-R3-190	HR17-OU2-R3-193
Sample Name		HR17-OU2-R3-172	HR17-OU2-R3-173	HR17-OU2-R3-177	HR17-OU2-R3-180	HR17-OU2-R3-181	HR17-OU2-R3-185	HR17-OU2-R3-187	HR17-OU2-R3-188	HR17-OU2-R3-189	HR17-OU2-R3-FD07	HR17-OU2-R3-190	HR17-OU2-R3-193
Sample Date		8/10/2017	8/11/2017	8/11/2017	8/10/2017	8/9/2017	8/9/2017	8/7/2017	8/9/2017	8/10/2017	8/10/2017	8/9/2017	8/10/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-1.5 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample											HR17-OU2-R3-189		
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	24200	20800 J	17900	28700 J	4910	28000	3290 J	26900	13100	15900	15400 J	11600
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	96	100	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	100	100	99	59	99	71	100	100	100	96	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	100	100	91	38	99	41	99	99	98	88	98
Sieve-U.S. Std. No. 10 (2mm)	%	99	100	100	81	26	99	28	99	98	97	80	96
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	98	98	81	17	96	21	97	96	96	73	86
Sieve-U.S. Std. No. 40 (0.425mm)	%	97	97	95	80	8	94	17	95	95	90	60	50
Sieve-U.S. Std. No. 60 (0.25mm)	%	96	90	90	79	5	90	11	90	88	89	50	44
Sieve-U.S. Std. No. 140 (0.106mm)	%	96	53	49	78	1	63	6	59	42	88	42	21
Sieve-U.S. Std. No. 200 (0.075mm)	%	94	39	35	77	0.9	49	0.8	44	32	87	40	17
Grain Size Classification													
Gravel	%	0	0	0	9	62	1	59	1	1	2	12	2
Sand	%	6	61	65	14	37.1	50	40.2	55	67	11	48	81
Fines	%	94	39	35	77	0.9	49	0.8	44	32	87	40	17
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	19.4	8.0	7.0	33.9	0.1	13.1	0	11.0	8.1	21.5	11.7	3.6
Hydrometer, Reading 2, Percent Passing	%	16.0	7.5	5.1	31.4	0.1	11.2	0	11.0	6.7	17.6	10.4	3.6
Hydrometer, Reading 3, Percent Passing	%	14.3	5.3	5.1	25.9	0.1	10.2	0	10.3	5.7	14.4	9.1	3.5
Hydrometer, Reading 4, Percent Passing	%	12.7	4.5	4.2	20.4	0.1	9.3	0	8.5	5.2	13.1	7.8	3.0
Hydrometer, Reading 5, Percent Passing	%	11.0	4.2	4.2	17.3	0.1	7.8	0	8.2	4.5	11.8	7.1	2.6
Hydrometer, Reading 6, Percent Passing	%	9.3	2.9	3.2	12.4	0.1	6.4	0	6.1	3.7	9.8	5.1	2.2
Hydrometer, Reading 7, Percent Passing	%	4.3	1.6	2.3	8.1	0.1	4.9	0	3.6	1.8	4.6	4.4	1.6
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	37.1 U	32.5 U	32.0 U	43.5 UJ	22.7 U	39.1 U	19.4 U	37.3 U	36.4 U	35.1 U	30.9 U	30.5 U
PCB-1221 (Aroclor 1221)	ug/kg	174	784	189	419 J	30.7 J	707	563	330	157 J	248 J	93.3	49.2 J
PCB-1232 (Aroclor 1232)	ug/kg	37.1 U	32.5 U	32.0 U	43.5 UJ	22.7 U	39.1 U	19.4 U	37.3 U	36.4 U	35.1 U	30.9 U	30.5 U
PCB-1242 (Aroclor 1242)	ug/kg	409	902	311	584 J	90.3	745	1510	673	279	376	141	90.0
PCB-1248 (Aroclor 1248)	ug/kg	37.1 U	32.5 U	32.0 U	43.5 UJ	22.7 U	39.1 U	19.4 U	37.3 U	36.4 U	35.1 U	30.9 U	30.5 U
PCB-1254 (Aroclor 1254)	ug/kg	205	123	76.8 J	73.5 J	22.7 U	171	140	196	69.3 J	80.9 J	37.0 J	30.5 U
PCB-1260 (Aroclor 1260)	ug/kg	37.1 U	32.5 U	32.0 U	43.5 UJ	22.7 U	39.1 U	19.4 U	37.3 U	36.4 U	35.1 U	30.9 U	30.5 U
Polychlorinated Biphenyl (PCBs)	ug/kg	788	1810	577	1080 J	121	1620	2220	1200	505	706	271	139

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R3-194	HR17-OU2-R3-197	HR17-OU2-R3-198	HR17-OU2-R3-199	HR17-OU2-R3-202	HR17-OU2-R3-203	HR17-OU2-R3-205	HR17-OU2-R3-207	HR17-OU2-R3-208	HR17-OU2-R3-210	HR17-OU2-R3-211	HR17-OU2-R3-216
Sample Name		HR17-OU2-R3-194	HR17-OU2-R3-197	HR17-OU2-R3-198	HR17-OU2-R3-199	HR17-OU2-R3-202	HR17-OU2-R3-203	HR17-OU2-R3-205	HR17-OU2-R3-207	HR17-OU2-R3-208	HR17-OU2-R3-210	HR17-OU2-R3-211	HR17-OU2-R3-216
Sample Date		8/9/2017	7/26/2017	8/10/2017	8/9/2017	7/26/2017	8/9/2017	8/7/2017	8/9/2017	8/9/2017	7/26/2017	8/9/2017	8/9/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample													
Analyte	Unit												
Total Organic Carbon (LLOYD KAHN)													
Total Organic Carbon	mg/kg	28400	9440	23900 J	12700	12700	1420 J	20400	13000	18100	11800 J	4590	13400 J
Grain Size (D422)													
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	96
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	95	100	100	100	100	91	100	100	91
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	99	99	79	100	100	95	100	80	100	100	90
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	98	97	67	100	99	94	100	59	100	100	84
Sieve-U.S. Std. No. 10 (2mm)	%	100	97	92	60	99	96	93	100	52	99	98	74
Sieve-U.S. Std. No. 20 (0.85mm)	%	97	95	84	53	98	82	92	100	45	98	88	57
Sieve-U.S. Std. No. 40 (0.425mm)	%	97	93	67	37	96	50	86	98	39	97	86	39
Sieve-U.S. Std. No. 60 (0.25mm)	%	36	78	62	26	89	21	69	89	30	81	82	23
Sieve-U.S. Std. No. 140 (0.106mm)	%	14	27	61	18	41	16	34	40	23	39	77	8
Sieve-U.S. Std. No. 200 (0.075mm)	%	0.2	14	60	15	28	16	24	33	21	26	77	5.5
Grain Size Classification													
Gravel	%	0	2	3	33	0	1	6	0	41	0	0	16
Sand	%	99.8	84	37	52	72	83	70	67	38	74	23	78.5
Fines	%	0.2	14	60	15	28	16	24	33	21	26	77	5.5
Hydrometer Readings (D422)													
Hydrometer, Reading 1, Percent Passing	%	0.1	3.3	20.0	3.0	6.7	1.1	2.7	6.2	6.6	4.6	9.8	0.7
Hydrometer, Reading 2, Percent Passing	%	0.1	2.6	18.3	3.0	5.5	1.1	2.2	6.2	6.2	3.7	8.7	0.6
Hydrometer, Reading 3, Percent Passing	%	0.1	2.4	14.9	2.7	4.3	1.0	2.0	6.2	5.3	3.7	7.5	0.6
Hydrometer, Reading 4, Percent Passing	%	0	2.1	9.8	2.5	3.9	1.0	1.4	5.0	5.3	2.9	7.5	0.6
Hydrometer, Reading 5, Percent Passing	%	0	1.9	9.8	2.1	3.9	1.0	1.4	4.5	4.5	2.4	7.5	0.5
Hydrometer, Reading 6, Percent Passing	%	0	1.5	9.8	1.6	2.7	0.8	0.9	3.5	3.2	2.2	5.3	0.4
Hydrometer, Reading 7, Percent Passing	%	0	0.6	4.1	1.3	1.5	0.8	0.3	2.3	2.0	0.9	4.1	0.3
PCBs (SW8082A)													
PCB-1016 (Aroclor 1016)	ug/kg	39.3 U	25.8 U	38.5 U	30.7 U	27.2 U	25.5 U	22.3 U	31.0 U	33.4 U	24.8 U	26.6 U	25.3 U
PCB-1221 (Aroclor 1221)	ug/kg	263	576	436	41.9 J	635	44.5 J	154	110	185	277	26.6 U	25.3 U
PCB-1232 (Aroclor 1232)	ug/kg	39.3 U	25.8 U	38.5 U	30.7 U	27.2 U	25.5 U	22.3 U	31.0 U	33.4 U	24.8 U	26.6 U	25.3 U
PCB-1242 (Aroclor 1242)	ug/kg	487	660	576	86.5	447	104	335	162	252	417	26.6 U	25.3 U
PCB-1248 (Aroclor 1248)	ug/kg	39.3 U	25.8 U	38.5 U	30.7 U	27.2 U	25.5 U	22.3 U	31.0 U	33.4 U	24.8 U	26.6 U	25.3 U
PCB-1254 (Aroclor 1254)	ug/kg	223	81.9	146	30.7 U	89.4	25.5 U	153	33.0 J	40.0 J	51.5 J	26.6 U	25.3 U
PCB-1260 (Aroclor 1260)	ug/kg	39.3 U	25.8 U	38.5 U	30.7 U	27.2 U	25.5 U	22.3 U	31.0 U	33.4 U	24.8 U	26.6 U	25.3 U
Polychlorinated Biphenyl (PCBs)	ug/kg	973	1320	1160	128	1170	149	642	305	477	745	26.6 U	25.3 U

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Micrograms per Kilogram
 mg/kg = Milligrams per Kilogram
 NA = Not Analyzed, ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2F Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 3, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R3-216	HR17-OU2-R3-217	HR17-OU2-R3-219	HR17-OU2-R3-223	HR17-OU2-R3-223	HR17-OU2-R3-234	HR17-OU2-R3-234	HR17-OU2-R3-236	HR17-OU2-R3-237	HR17-OU2-R3-238	HR17-OU2-R3-239	
Sample Name	HR17-OU2-R3-FD06	HR17-OU2-R3-217	HR17-OU2-R3-219	HR17-OU2-R3-223	HR17-OU2-R3-223	HR17-OU2-R3-FD01	HR17-OU2-R3-234	HR17-OU2-R3-FD09	HR17-OU2-R3-236	HR17-OU2-R3-237	HR17-OU2-R3-238	HR17-OU2-R3-239
Sample Date	8/9/2017	7/19/2017	7/25/2017	7/19/2017	7/19/2017	7/19/2017	8/14/2017	8/14/2017	8/14/2017	8/14/2017	8/14/2017	8/14/2017
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample	HR17-OU2-R3-216				HR17-OU2-R3-223			HR17-OU2-R3-234				
Analyte	Unit											
Total Organic Carbon (LLOYD KAHN)												
Total Organic Carbon	mg/kg	3870 J	16800	4100	4990	5530	16500 J	14000	12500	15600	6240	12000
Grain Size (D422)												
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	110	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	95	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	92	100	100	100	100	100	100	98	100	94
Sieve-US Std. 0.375-inch (9.5 mm)	%	99	84	100	100	99	100	100	96	95	100	86
Sieve-U.S. Std. No. 4 (4.75mm)	%	93	76	100	100	65	98	96	80	90	97	73
Sieve-U.S. Std. No. 10 (2mm)	%	81	70	100	100	25	95	92	69	80	93	60
Sieve-U.S. Std. No. 20 (0.85mm)	%	64	64	99	78	17	92	90	62	65	77	56
Sieve-U.S. Std. No. 40 (0.425mm)	%	44	47	65	55	11	81	76	47	47	44	45
Sieve-U.S. Std. No. 60 (0.25mm)	%	31	24	47	38	7	58	49	36	36	18	33
Sieve-U.S. Std. No. 140 (0.106mm)	%	14	10	20	20	4	36	23	23	21	6	24
Sieve-U.S. Std. No. 200 (0.075mm)	%	11	7.7	8	16	3.3	33	18	20	16	5.3	23
Grain Size Classification												
Gravel	%	7	24	0	0	35	2	4	20	10	3	27
Sand	%	82	68.3	92	84	61.7	65	78	60	74	91.7	50
Fines	%	11	7.7	8	16	3.3	33	18	20	16	5.3	23
Hydrometer Readings (D422)												
Hydrometer, Reading 1, Percent Passing	%	1.3	0.9	2.4	2.0	0.3	5.3	1.9	3.8	1.3	0.4	2.2
Hydrometer, Reading 2, Percent Passing	%	1.2	0.8	0.3	1.7	0.3	4.8	1.6	3.5	1.1	0.4	2.2
Hydrometer, Reading 3, Percent Passing	%	1.0	0.8	0.3	1.4	0.3	4.4	1.1	3.0	1.1	0.4	2.2
Hydrometer, Reading 4, Percent Passing	%	1.0	0.7	0.2	1.4	0.2	3.9	1.1	2.6	0.8	0.4	1.8
Hydrometer, Reading 5, Percent Passing	%	0.9	0.5	0.2	1.2	0.2	3.6	0.9	2.2	0.7	0.3	1.5
Hydrometer, Reading 6, Percent Passing	%	0.8	0.4	0.1	0.6	0.1	2.9	0.8	1.6	0.5	0.2	1.5
Hydrometer, Reading 7, Percent Passing	%	0.6	0.3	0.1	0.4	0.1	2.2	0.8	1.3	0.4	0.2	1.5
PCBs (SW8082A)												
PCB-1016 (Aroclor 1016)	ug/kg	26.4 U	20.0 U	21.3 U	21.9 U	20.5 U	28.3 U	30.3 U	34.1 U	31.1 U	27.1 U	25.9 U
PCB-1221 (Aroclor 1221)	ug/kg	108	113	376	21.9 U	20.5 U	695	631	563	1340	1110	484
PCB-1232 (Aroclor 1232)	ug/kg	26.4 U	20.0 U	21.3 U	21.9 U	20.5 U	28.3 U	30.3 U	34.1 U	31.1 U	27.1 U	25.9 U
PCB-1242 (Aroclor 1242)	ug/kg	227	175	771	21.9 U	20.5 U	1010	871	1140	2390	2210	1200
PCB-1248 (Aroclor 1248)	ug/kg	26.4 U	20.0 U	21.3 U	21.9 U	20.5 U	28.3 U	30.3 U	34.1 U	31.1 U	27.1 U	25.9 U
PCB-1254 (Aroclor 1254)	ug/kg	32.2 J	30.5 J	62.0 J	21.9 U	20.5 U	100	138	142	254	132	109
PCB-1260 (Aroclor 1260)	ug/kg	26.4 U	20.0 U	21.3 U	21.9 U	20.5 U	28.3 U	30.3 U	34.1 U	31.1 U	27.1 U	25.9 U
Polychlorinated Biphenyl (PCBs)	ug/kg	367	318	1210	21.9 U	20.5 U	1810	1640	1850	3980	3450	1790

Notes:

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U = Indicates the analyte was not detected greater than the laboratory reporting limit.

ug/kg = Micrograms per Kilogram

mg/kg = Milligrams per Kilogram

NA = Not Analyzed, ND = Non-detect

Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum.

Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values.

Table 3-2G Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 2, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R2-001	HR17-OU2-R2-002	HR17-OU2-R2-004	HR17-OU2-R2-005	HR17-OU2-R2-008	HR17-OU2-R2-011	HR17-OU2-R2-011	HR17-OU2-R2-012	HR17-OU2-R2-013	HR17-OU2-R2-017	HR17-OU2-R2-021	HR17-OU2-R2-025	HR17-OU2-R2-026	
Sample Name	HR17-OU2-R2-001	HR17-OU2-R2-002	HR17-OU2-R2-004	HR17-OU2-R2-005	HR17-OU2-R2-008	HR17-OU2-R2-011	HR17-OU2-R2-FD01	HR17-OU2-R2-012	HR17-OU2-R2-013	HR17-OU2-R2-017	HR17-OU2-R2-021	HR17-OU2-R2-025	HR17-OU2-R2-026	
Sample Date	8/17/2017	7/6/2017	7/6/2017	7/6/2017	6/30/2017	6/30/2017	6/30/2017	6/30/2017	6/30/2017	7/6/2017	7/6/2017	7/7/2017	7/7/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample							HR17-OU2-R2-011							
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	15700	5070	3340	7030 J	10100	5350	3950	12900	12500	9960	11800	13700	10600
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	86	96	100	97	100	100	100	80	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	76	85	100	86	100	100	100	69	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	54	71	100	73	100	84	100	57	100	100	97	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	40	51	100	65	100	67	100	52	97	98	93	100
Sieve-U.S. Std. No. 10 (2mm)	%	100	30	30	100	61	100	53	100	50	89	96	85	95
Sieve-U.S. Std. No. 20 (0.85mm)	%	97	21	14	93	51	77	42	97	49	67	91	75	91
Sieve-U.S. Std. No. 40 (0.425mm)	%	93	14	6	83	43	56	31	94	47	52	86	70	84
Sieve-U.S. Std. No. 60 (0.25mm)	%	89	10	3	64	39	36	21	91	41	45	77	64	75
Sieve-U.S. Std. No. 140 (0.106mm)	%	64	8	1	35	34	19	11	85	28	40	61	48	62
Sieve-U.S. Std. No. 200 (0.075mm)	%	52	6.6	1.3	32	31	17	10.0	79	24	37	54	44	57
Grain Size Classification														
Gravel	%	0	60	49	0	35	0	33	0	48	3	2	7	0
Sand	%	48	33.4	49.7	68	34	83	57	21	28	60	44	49	43
Fines	%	52	6.6	1.3	32	31	17	10.0	79	24	37	54	44	57
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	18.2	0.8	0	7.3	10.9	2.4	1.6	44.3	7.0	10.0	17.0	15.0	23.7
Hydrometer, Reading 2, Percent Passing	%	15.2	0.8	0	6.5	10.3	1.7	1.2	36.9	4.4	9.1	15.2	12.0	19.2
Hydrometer, Reading 3, Percent Passing	%	12.9	0.7	0	5.8	7.6	1.4	1.0	31.0	3.9	7.3	10.5	10.5	12.9
Hydrometer, Reading 4, Percent Passing	%	11.4	0.6	0	4.6	6.0	1.2	0.8	25.1	2.6	6.4	8.8	8.8	10.1
Hydrometer, Reading 5, Percent Passing	%	10.7	0.5	0	3.8	4.9	1.0	0.6	19.2	1.7	5.0	7.6	7.0	8.3
Hydrometer, Reading 6, Percent Passing	%	7.7	0.3	0	2.7	3.8	0.7	0.4	13.3	0.9	3.2	4.7	3.6	3.8
Hydrometer, Reading 7, Percent Passing	%	4.6	0.3	0	1.9	2.2	0.2	0.3	10.3	0.4	1.8	2.9	2.1	1.5
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	32.0 U	18.9 U	16.9 U	22.0 U	27.9 U	22.6 U	21.7 U	29.5 U	28.1 U	22.9 U	26.1 U	29.2 U	28.8 U
PCB-1221 (Aroclor 1221)	ug/kg	56.8 J	135	16.9 U	22.0 U	27.9 U	332 J	197 J	77.3 J	112	501	30.8 J	109	168
PCB-1232 (Aroclor 1232)	ug/kg	32.0 U	18.9 U	16.9 U	22.0 U	27.9 U	22.6 U	21.7 U	29.5 U	28.1 U	22.9 U	26.1 U	29.2 U	28.8 U
PCB-1242 (Aroclor 1242)	ug/kg	123	456	79.8	61.8 J	73.7 J	1020 J	607 J	293	450	1730	117	280	1040
PCB-1248 (Aroclor 1248)	ug/kg	32.0 U	18.9 U	16.9 U	22.0 U	27.9 U	22.6 U	21.7 U	29.5 U	28.1 U	22.9 U	26.1 U	29.2 U	28.8 U
PCB-1254 (Aroclor 1254)	ug/kg	32.0 U	21.8 J	16.9 U	22.0 U	27.9 U	92.1	54.8 J	68.1 J	219	130	28.0 J	44.4 J	230
PCB-1260 (Aroclor 1260)	ug/kg	32.0 U	18.9 U	16.9 U	22.0 U	27.9 U	22.6 U	21.7 U	29.5 U	28.1 U	22.9 U	26.1 U	29.2 U	28.8 U
Total PCBs	ug/kg	180	613	79.8	61.8	73.7	1440	859	438	781	2360	176	433	1440
Notes:														
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.														
U = Indicates the analyte was not detected greater than the laboratory reporting limit.														
ug/kg = Microgram(s) per Kilogram														
mg/kg = Milligrams per Kilogram														
NA = Not Analyzed														
ND = Non-detect														
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum														
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values														

Table 3-2G Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 2, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R2-026	HR17-OU2-R2-027	HR17-OU2-R2-028	HR17-OU2-R2-030	HR17-OU2-R2-030	HR17-OU2-R2-033	HR17-OU2-R2-037	HR17-OU2-R2-045	HR17-OU2-R2-048	HR17-OU2-R2-051	HR17-OU2-R2-055	HR17-OU2-R2-058	HR17-OU2-R2-062	
Sample Name	HR17-OU2-R2-FD02	HR17-OU2-R2-027	HR17-OU2-R2-028	HR17-OU2-R2-030	HR17-OU2-R2-FD03	HR17-OU2-R2-033	HR17-OU2-R2-037	HR17-OU2-R2-045	HR17-OU2-R2-048	HR17-OU2-R2-051	HR17-OU2-R2-055	HR17-OU2-R2-058	HR17-OU2-R2-062	
Sample Date	7/7/2017	7/7/2017	7/7/2017	7/8/2017	7/8/2017	7/7/2017	7/8/2017	7/10/2017	7/10/2017	7/10/2017	7/10/2017	7/11/2017	7/11/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample	HR17-OU2-R2-026					HR17-OU2-R2-030								
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	13800	5250 J	5190	9690	8240	1460	4810	17100	24700 J	8030	11300	9830	12200
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	93	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	93	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	94	99	98	100	100	98	100	100	99	92	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	98	79	90	89	90	96	78	100	100	99	87	100	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	95	63	73	67	69	88	58	100	100	97	84	99	98
Sieve-U.S. Std. No. 10 (2mm)	%	90	49	58	49	50	80	41	100	99	95	81	87	80
Sieve-U.S. Std. No. 20 (0.85mm)	%	85	39	48	35	37	66	27	99	98	89	78	71	79
Sieve-U.S. Std. No. 40 (0.425mm)	%	79	31	39	20	29	35	19	98	96	80	75	54	75
Sieve-U.S. Std. No. 60 (0.25mm)	%	70	15	29	6	22	12	14	95	95	68	68	42	69
Sieve-U.S. Std. No. 140 (0.106mm)	%	58	6	18	4	15	6	9	80	90	49	45	14	48
Sieve-U.S. Std. No. 200 (0.075mm)	%	53	5.4	17	4.0	14	5.3	7.6	69	84	41	39	11	41
Grain Size Classification														
Gravel	%	5	37	27	33	31	12	42	0	0	3	16	1	2
Sand	%	42	57.6	56	63	55	82.7	50.4	31	16	56	45	88	57
Fines	%	53	5.4	17	4.0	14	5.3	7.6	69	84	41	39	11	41
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	20.3	0.4	3.5	0.9	3.1	0.1	1.1	25.0	34.1	12.6	10.8	1.0	5.0
Hydrometer, Reading 2, Percent Passing	%	15.8	0.3	3.3	0.6	2.5	0.1	0.9	23.6	32.7	11.7	8.1	0.8	5.0
Hydrometer, Reading 3, Percent Passing	%	12.7	0.2	2.2	0.5	1.9	0.1	0.7	16.5	23.2	8.6	6.9	0.7	3.9
Hydrometer, Reading 4, Percent Passing	%	9.2	0.2	1.4	0.4	1.5	0.1	0.6	13.8	18.1	7.3	5.7	0.7	2.8
Hydrometer, Reading 5, Percent Passing	%	7.8	0.2	1.1	0.3	1.0	0	0.5	11.1	13.7	5.6	4.5	0.6	1.7
Hydrometer, Reading 6, Percent Passing	%	3.6	0.1	0.6	0.2	0.4	0	0.2	6.6	7.9	3.5	2.7	0.4	0.6
Hydrometer, Reading 7, Percent Passing	%	2.2	0	0.2	0	0.2	0	0.1	4.8	3.5	2.3	1.5	0.4	0.1
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	27.5 U	18.2 U	22.0 U	23.2 U	22.1 U	20.7 U	18.5 U	29.1 U	33.3 UJ	24.1 U	25.6 U	20.0 U	23.5 U
PCB-1221 (Aroclor 1221)	ug/kg	167	29.4 J	82.3	59.8 J	64.5 J	39.1 J	27.0 J	116	67.2 J	39.6 J	48.2 J	26.0 J	217
PCB-1232 (Aroclor 1232)	ug/kg	27.5 U	18.2 U	22.0 U	23.2 U	22.1 U	20.7 U	18.5 U	29.1 U	33.3 UJ	24.1 U	25.6 U	20.0 U	23.5 U
PCB-1242 (Aroclor 1242)	ug/kg	1090	18.2 U	205	180	203	192	101	328	273 J	191	135	146	1350
PCB-1248 (Aroclor 1248)	ug/kg	27.5 U	18.2 U	22.0 U	23.2 U	22.1 U	20.7 U	18.5 U	29.1 U	33.3 UJ	24.1 U	25.6 U	20.0 U	23.5 U
PCB-1254 (Aroclor 1254)	ug/kg	248	18.2 U	37.3 J	30.2 J	27.4 J	34.4 J	20.6 J	106	93.3 J	58.8 J	31.3 J	29.5 J	277
PCB-1260 (Aroclor 1260)	ug/kg	27.5 U	18.2 U	22.0 U	23.2 U	22.1 U	20.7 U	18.5 U	29.1 U	33.3 UJ	24.1 U	25.6 U	20.0 U	23.5 U
Total PCBs	ug/kg	1510	29.4	325	270	295	266	149	550	434	289	215	202	1840
Notes:														
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.														
U = Indicates the analyte was not detected greater than the laboratory reporting limit.														
ug/kg = Microgram(s) per Kilogram														
mg/kg = Milligrams per Kilogram														
NA = Not Analyzed														
ND = Non-detect														
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum														
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values														

Table 3-2G Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 2, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R2-068	HR17-OU2-R2-072	HR17-OU2-R2-076	HR17-OU2-R2-086	HR17-OU2-R2-094	HR17-OU2-R2-098	HR17-OU2-R2-102	HR17-OU2-R2-103	HR17-OU2-R2-104	HR17-OU2-R2-111	HR17-OU2-R2-114	HR17-OU2-R2-118	HR17-OU2-R2-118	
Sample Name	HR17-OU2-R2-068	HR17-OU2-R2-072	HR17-OU2-R2-076	HR17-OU2-R2-086	HR17-OU2-R2-094	HR17-OU2-R2-098	HR17-OU2-R2-102	HR17-OU2-R2-103	HR17-OU2-R2-104	HR17-OU2-R2-111	HR17-OU2-R2-114	HR17-OU2-R2-118	HR17-OU2-R2-FD06	
Sample Date	7/13/2017	7/11/2017	7/11/2017	7/13/2017	7/15/2017	8/17/2017	8/17/2017	8/17/2017	7/17/2017	8/17/2017	8/17/2017	8/17/2017	8/17/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample													HR17-OU2-R2-118	
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	5350	10700	11900	4020	3170	8100	16800	11100	6700	12800 J	5280	7360	8570
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	95	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	90	92	99	100	98	100	100	98	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	98	99	100	59	60	90	100	83	98	100	64	100	93
Sieve-U.S. Std. No. 4 (4.75mm)	%	95	94	98	30	39	89	100	74	95	100	42	100	93
Sieve-U.S. Std. No. 10 (2mm)	%	88	83	93	11	23	88	100	64	92	99	33	98	93
Sieve-U.S. Std. No. 20 (0.85mm)	%	77	82	91	4	14	86	97	54	87	96	30	96	90
Sieve-U.S. Std. No. 40 (0.425mm)	%	61	79	90	2	7	82	95	38	78	94	28	92	85
Sieve-U.S. Std. No. 60 (0.25mm)	%	42	74	88	1	2	73	93	25	60	92	25	81	75
Sieve-U.S. Std. No. 140 (0.106mm)	%	26	56	66	1	1	43	74	18	29	58	15	47	43
Sieve-U.S. Std. No. 200 (0.075mm)	%	24	49	52	0.6	1.4	34	57	16	23	41	11	35	33
Grain Size Classification														
Gravel	%	5	6	2	70	61	11	0	26	5	0	58	0	7
Sand	%	71	45	46	29.4	37.6	55	43	58	72	59	31	65	60
Fines	%	24	49	52	0.6	1.4	34	57	16	23	41	11	35	33
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	4.6	16.7	15.1	0	0.1	8.5	18.2	3.8	3.3	12.4	1.8	8.8	8.0
Hydrometer, Reading 2, Percent Passing	%	4.6	12.6	13.9	0	0.1	6.9	16.3	3.6	2.8	9.2	1.7	8.0	7.2
Hydrometer, Reading 3, Percent Passing	%	3.9	9.2	8.3	0	0.1	5.3	10.6	2.6	2.6	7.1	1.4	6.1	6.3
Hydrometer, Reading 4, Percent Passing	%	3.0	7.6	6.7	0	0.1	4.0	10.6	2.5	2.2	7.1	1.2	5.0	4.6
Hydrometer, Reading 5, Percent Passing	%	2.6	5.9	5.1	0	0.1	3.6	9.6	2.5	2.0	5.4	1.2	4.7	4.6
Hydrometer, Reading 6, Percent Passing	%	1.3	3.5	2.0	0	0.1	2.8	8.7	1.9	1.2	5.4	0.9	4.2	4.6
Hydrometer, Reading 7, Percent Passing	%	1.0	2.2	1.0	0	0.1	2.0	5.4	1.1	0.9	4.3	0.6	2.5	3.5
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	20.7 U	23.9 U	26.1 U	16.9 U	18.8 U	29.8 U	31.8 U	29.9 U	21.6 U	30.4 U	24.9 U	29.0 U	29.4 U
PCB-1221 (Aroclor 1221)	ug/kg	20.7 U	77.9	34.6 J	80.1	225	29.8 U	306	29.9 U	108	88.0	214	29.0 U	29.4 U
PCB-1232 (Aroclor 1232)	ug/kg	20.7 U	23.9 U	26.1 U	16.9 U	18.8 U	29.8 U	31.8 U	29.9 U	21.6 U	30.4 U	24.9 U	29.0 U	29.4 U
PCB-1242 (Aroclor 1242)	ug/kg	20.7 U	234	81.5 J	210	613	87.0	700	58.7 J	183	164	831	63.9 J	63.7 J
PCB-1248 (Aroclor 1248)	ug/kg	20.7 U	23.9 U	26.1 U	16.9 U	18.8 U	29.8 U	31.8 U	29.9 U	21.6 U	30.4 U	24.9 U	29.0 U	29.4 U
PCB-1254 (Aroclor 1254)	ug/kg	20.7 U	55.9 J	31.4 J	16.9 U	35.7 J	29.8 U	152	29.9 U	33.7 J	42.6 J	85.0	29.0 U	29.4 U
PCB-1260 (Aroclor 1260)	ug/kg	20.7 U	23.9 U	26.1 U	16.9 U	18.8 U	29.8 U	31.8 U	29.9 U	21.6 U	30.4 U	24.9 U	29.0 U	29.4 U
Total PCBs	ug/kg	ND	368	148	290	874	87	1160	58.7	325	295	1130	63.9	63.7
Notes:														
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.														
U = Indicates the analyte was not detected greater than the laboratory reporting limit.														
ug/kg = Microgram(s) per Kilogram														
mg/kg = Milligrams per Kilogram														
NA = Not Analyzed														
ND = Non-detect														
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum														
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values														

Table 3-2G Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 2, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R2-123	HR17-OU2-R2-125	HR17-OU2-R2-126	HR17-OU2-R2-127	HR17-OU2-R2-129	HR17-OU2-R2-130	HR17-OU2-R2-131	HR17-OU2-R2-132	HR17-OU2-R2-132	HR17-OU2-R2-134	HR17-OU2-R2-135	HR17-OU2-R2-136	HR17-OU2-R2-138	
Sample Name	HR17-OU2-R2-123	HR17-OU2-R2-125	HR17-OU2-R2-126	HR17-OU2-R2-127	HR17-OU2-R2-129	HR17-OU2-R2-130	HR17-OU2-R2-131	HR17-OU2-R2-132	HR17-OU2-R2-FD05	HR17-OU2-R2-134	HR17-OU2-R2-135	HR17-OU2-R2-136	HR17-OU2-R2-138	
Sample Date	7/14/2017	7/14/2017	7/14/2017	7/14/2017	7/15/2017	7/14/2017	7/15/2017	7/15/2017	7/15/2017	7/11/2017	7/11/2017	7/15/2017	7/11/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample									HR17-OU2-R2-132					
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	5670	10500	4220	2050	6480 J	9500	8360	7200	5760	5810	2690	5760	2010
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	98	91	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	97	100	100	98	100	95	100	100	97	91	92	84
Sieve-US Std. 0.375-inch (9.5 mm)	%	91	82	100	98	79	99	75	100	100	76	80	60	60
Sieve-U.S. Std. No. 4 (4.75mm)	%	52	54	95	88	56	97	51	97	99	39	74	35	43
Sieve-U.S. Std. No. 10 (2mm)	%	31	34	89	67	38	93	35	92	96	18	68	18	29
Sieve-U.S. Std. No. 20 (0.85mm)	%	20	26	80	33	29	89	27	82	87	12	65	10	19
Sieve-U.S. Std. No. 40 (0.425mm)	%	13	21	59	11	22	82	15	63	69	7	62	7	11
Sieve-U.S. Std. No. 60 (0.25mm)	%	8	14	23	3	14	66	10	50	56	5	33	5	5
Sieve-U.S. Std. No. 140 (0.106mm)	%	5	8	13	3	9	46	7	34	37	3	11	3	2
Sieve-U.S. Std. No. 200 (0.075mm)	%	4.1	7.0	10	2.9	7.4	42	6.9	29	36	2.9	11	2.6	1.8
Grain Size Classification														
Gravel	%	48	46	5	12	44	3	49	3	1	61	26	65	57
Sand	%	47.9	47	85	85.1	48.6	55	44.1	68	63	36.1	63	32.4	41.2
Fines	%	4.1	7.0	10	2.9	7.4	42	6.9	29	36	2.9	11	2.6	1.8
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.8	0.6	0.7	0.1	1.4	8.8	0.9	9.4	12.0	0.2	1.3	0.3	0.1
Hydrometer, Reading 2, Percent Passing	%	0.8	0.6	0.7	0.1	1.3	8.1	0.8	9.4	10.8	0.1	1.2	0.2	0.1
Hydrometer, Reading 3, Percent Passing	%	0.6	0.5	0.7	0.1	1.0	5.2	0.8	7.9	10.8	0.1	1.1	0.2	0.1
Hydrometer, Reading 4, Percent Passing	%	0.6	0.5	0.7	0.1	1.0	5.2	0.7	7.4	8.3	0	0.9	0.2	0.1
Hydrometer, Reading 5, Percent Passing	%	0.6	0.2	0.6	0.1	0.8	4.5	0.6	6.8	7.6	0	0.8	0.2	0
Hydrometer, Reading 6, Percent Passing	%	0.4	0.1	0.3	0.1	0.5	3.0	0.4	5.3	6.4	0	0.4	0.1	0
Hydrometer, Reading 7, Percent Passing	%	0.4	0.1	0.2	0.1	0.5	1.6	0.3	4.8	5.4	0	0.4	0.1	0
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	18.0 U	20.2 U	24.1 U	17.7 U	20.0 U	25.6 U	19.5 U	20.8 U	20.4 U	17.7 U	21.6 U	18.4 U	17.6 U
PCB-1221 (Aroclor 1221)	ug/kg	313	221	41.1 J	28.4 J	248	62.3 J	96.3	24.1 J	20.4 U	120	21.6 U	210	17.6 U
PCB-1232 (Aroclor 1232)	ug/kg	18.0 U	20.2 U	24.1 U	17.7 U	20.0 U	25.6 U	19.5 U	20.8 U	20.4 U	17.7 U	21.6 U	18.4 U	17.6 U
PCB-1242 (Aroclor 1242)	ug/kg	881	560	87.3	79.7	691	111	298	46.4 J	35.8 J	327	21.6 U	602	17.6 U
PCB-1248 (Aroclor 1248)	ug/kg	18.0 U	20.2 U	24.1 U	17.7 U	20.0 U	25.6 U	19.5 U	20.8 U	20.4 U	17.7 U	21.6 U	18.4 U	17.6 U
PCB-1254 (Aroclor 1254)	ug/kg	70.7	45.6 J	24.1 U	17.7 U	60.2 J	25.6 U	27.5 J	20.8 U	20.4 U	28.1 J	21.6 U	45.8 J	17.6 U
PCB-1260 (Aroclor 1260)	ug/kg	18.0 U	20.2 U	24.1 U	17.7 U	20.0 U	25.6 U	19.5 U	20.8 U	20.4 U	17.7 U	21.6 U	18.4 U	17.6 U
Total PCBs	ug/kg	1260	827	128	108	999	173	422	70.5	35.8	475	ND	858	ND
Notes:														
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.														
U = Indicates the analyte was not detected greater than the laboratory reporting limit.														
ug/kg = Microgram(s) per Kilogram														
mg/kg = Milligrams per Kilogram														
NA = Not Analyzed														
ND = Non-detect														
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum														
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values														

Table 3-2G Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 2, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R2-139	HR17-OU2-R2-141	HR17-OU2-R2-142	HR17-OU2-R2-142	HR17-OU2-R2-145	HR17-OU2-R2-159	HR17-OU2-R2-162	HR17-OU2-R2-163	HR17-OU2-R2-166	HR17-OU2-R2-171	HR17-OU2-R2-175	HR17-OU2-R2-177	HR17-OU2-R2-180	
Sample Name	HR17-OU2-R2-139	HR17-OU2-R2-141	HR17-OU2-R2-142	HR17-OU2-R2-FD04	HR17-OU2-R2-145	HR17-OU2-R2-159	HR17-OU2-R2-162	HR17-OU2-R2-163	HR17-OU2-R2-166	HR17-OU2-R2-171	HR17-OU2-R2-175	HR17-OU2-R2-177	HR17-OU2-R2-180	
Sample Date	8/17/2017	8/25/2017	7/11/2017	7/11/2017	7/11/2017	7/14/2017	8/25/2017	7/14/2017	8/25/2017	8/26/2017	8/26/2017	8/26/2017	8/26/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample				HR17-OU2-R2-142										
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	11800	9880	6590	6610	5820	14600	4990	2530	5060	8430 J	18300	11900	5480
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	98	100	97	100	100	88	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	92	94	89	84	100	84	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	94	81	70	74	61	71	70	73	81	70	89	80	75
Sieve-U.S. Std. No. 4 (4.75mm)	%	93	55	47	51	40	60	68	61	56	50	75	66	53
Sieve-U.S. Std. No. 10 (2mm)	%	88	33	33	37	32	52	54	42	32	35	66	52	39
Sieve-U.S. Std. No. 20 (0.85mm)	%	82	20	30	33	28	49	43	23	24	28	61	44	31
Sieve-U.S. Std. No. 40 (0.425mm)	%	75	13	24	28	24	44	32	13	18	21	56	37	25
Sieve-U.S. Std. No. 60 (0.25mm)	%	68	11	10	12	11	35	17	6	11	11	47	27	15
Sieve-U.S. Std. No. 140 (0.106mm)	%	47	8	6	8	7	26	13	2	7	7	28	20	9
Sieve-U.S. Std. No. 200 (0.075mm)	%	39	7.1	5.8	6.9	6.3	24	12	2.3	6.9	6.8	22	18	7.4
Grain Size Classification														
Gravel	%	7	45	53	49	60	40	32	39	44	50	25	34	47
Sand	%	54	47.9	41.2	44.1	33.7	36	56	58.7	49.1	43.2	53	48	45.6
Fines	%	39	7.1	5.8	6.9	6.3	24	12	2.3	6.9	6.8	22	18	7.4
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	12.4	0.9	0.7	0.8	0.6	2.9	1.7	0.1	1.1	1.1	3.4	4.5	1.0
Hydrometer, Reading 2, Percent Passing	%	10.4	0.9	0.6	0.6	0.5	2.5	1.7	0.1	0.9	0.9	2.4	3.9	0.9
Hydrometer, Reading 3, Percent Passing	%	8.8	0.8	0.6	0.6	0.4	2.1	1.6	0.1	0.8	0.9	1.8	2.6	0.9
Hydrometer, Reading 4, Percent Passing	%	7.4	0.6	0.2	0.5	0.2	2.1	1.1	0.1	0.7	0.7	1.8	2.6	0.6
Hydrometer, Reading 5, Percent Passing	%	6.0	0.6	0.2	0.4	0.2	1.7	1.1	0.1	0.6	0.7	1.6	2.1	0.5
Hydrometer, Reading 6, Percent Passing	%	5.1	0.5	0.1	0	0.1	0.9	0.6	0	0.4	0.5	0.8	1.5	0.3
Hydrometer, Reading 7, Percent Passing	%	3.7	0.4	0	0	0	0.9	0.5	0	0.4	0.2	0.5	0.6	0.1
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	29.8 U	26.1 U	19.8 U	18.6 U	18.7 U	24.8 U	23.9 U	17.8 U	26.3 U	24.2 U	26.5 U	30.9 U	29.2 U
PCB-1221 (Aroclor 1221)	ug/kg	29.8 U	167	89.8	65.2	51.9 J	365	59.1 J	35.7 J	52.4 J	36.6 J	217	45.9 J	46.4 J
PCB-1232 (Aroclor 1232)	ug/kg	29.8 U	26.1 U	19.8 U	18.6 U	18.7 U	24.8 U	23.9 U	17.8 U	26.3 U	24.2 U	26.5 U	30.9 U	29.2 U
PCB-1242 (Aroclor 1242)	ug/kg	29.8 U	351	200 J	18.6 UJ	150	747	156	93.1	124	91.4	678	110	157
PCB-1248 (Aroclor 1248)	ug/kg	29.8 U	26.1 U	19.8 U	18.6 U	18.7 U	24.8 U	23.9 U	17.8 U	26.3 U	24.2 U	26.5 U	30.9 U	29.2 U
PCB-1254 (Aroclor 1254)	ug/kg	29.8 U	29.6 J	20.0 J	18.6 U	18.7 U	124	36.1 J	17.8 U	26.3 U	24.2 U	234	30.9 U	29.2 U
PCB-1260 (Aroclor 1260)	ug/kg	29.8 U	26.1 U	19.8 U	18.6 U	18.7 U	24.8 U	23.9 U	17.8 U	26.3 U	24.2 U	26.5 U	30.9 U	29.2 U
Total PCBs	ug/kg	ND	548	310	65.2	202	1240	251	129	176	128	1130	156	203
Notes:														
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.														
U = Indicates the analyte was not detected greater than the laboratory reporting limit.														
ug/kg = Microgram(s) per Kilogram														
mg/kg = Milligrams per Kilogram														
NA = Not Analyzed														
ND = Non-detect														
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum														
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values														

Table 3-2G Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 2, Hudson River PCB Sediments Site OU-2, New York

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample	HR17-OU2-R2-181 HR17-OU2-R2-181 8/26/2017 0-2 inches	HR17-OU2-R2-184 HR17-OU2-R2-184 8/28/2017 0-1.5 inches	HR17-OU2-R2-185 HR17-OU2-R2-185 8/28/2017 0-2 inches	HR17-OU2-R2-192 HR17-OU2-R2-192 8/23/2017 0-2 inches	HR17-OU2-R2-193 HR17-OU2-R2-193 8/28/2017 0-2 inches	HR17-OU2-R2-204 HR17-OU2-R2-204 8/19/2017 0-2 inches	HR17-OU2-R2-216 HR17-OU2-R2-216 8/18/2017 0-2 inches	HR17-OU2-R2-229 HR17-OU2-R2-229 8/18/2017 0-2 inches	HR17-OU2-R2-230 HR17-OU2-R2-230 8/19/2017 0-2 inches	HR17-OU2-R2-237 HR17-OU2-R2-237 8/28/2017 0-2 inches	HR17-OU2-R2-237 HR17-OU2-R2-FD07 8/28/2017 0-2 inches HR17-OU2-R2-237	
Analyte	Unit											
Total Organic Carbon (LLOYD KAHN)												
Total Organic Carbon	mg/kg	2150	3930 J	18800	6480	16300	9560 J	1960	5800	7650	15700	15200 J
Grain Size (D422)												
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	95	100	91	100	91	93
Sieve-US Std. 0.375-inch (9.5 mm)	%	92	79	100	100	99	90	94	68	64	60	63
Sieve-U.S. Std. No. 4 (4.75mm)	%	89	52	100	100	98	83	93	59	48	42	44
Sieve-U.S. Std. No. 10 (2mm)	%	85	34	100	100	97	77	91	49	34	29	31
Sieve-U.S. Std. No. 20 (0.85mm)	%	63	27	97	98	90	53	85	41	23	23	25
Sieve-U.S. Std. No. 40 (0.425mm)	%	41	20	95	96	88	39	69	37	17	19	21
Sieve-U.S. Std. No. 60 (0.25mm)	%	13	11	92	59	82	30	30	32	13	17	19
Sieve-U.S. Std. No. 140 (0.106mm)	%	5	8	59	20	48	23	4	13	6	15	16
Sieve-U.S. Std. No. 200 (0.075mm)	%	4.5	7.7	46	19	39	20	1.6	8.7	4.7	14	15
Grain Size Classification												
Gravel	%	11	48	0	0	2	17	7	41	52	58	56
Sand	%	84.5	44.3	54	81	59	63	91.4	50.3	43.3	28	29
Fines	%	4.5	7.7	46	19	39	20	1.6	8.7	4.7	14	15
Hydrometer Readings (D422)												
Hydrometer, Reading 1, Percent Passing	%	0.4	1.0	11.3	1.6	7.4	4.8	0.1	1.4	0.6	4.4	3.9
Hydrometer, Reading 2, Percent Passing	%	0.4	0.9	11.3	1.4	6.0	4.1	0.1	1.3	0.6	3.5	3.4
Hydrometer, Reading 3, Percent Passing	%	0.3	0.9	8.3	1.0	6.0	3.9	0.1	1.0	0.5	2.4	2.8
Hydrometer, Reading 4, Percent Passing	%	0.3	0.8	7.6	0.9	5.2	3.2	0.1	1.0	0.5	2.4	2.3
Hydrometer, Reading 5, Percent Passing	%	0.3	0.6	6.8	0.8	4.9	2.8	0.1	0.7	0.5	2.2	2.2
Hydrometer, Reading 6, Percent Passing	%	0.3	0.4	5.3	0.5	3.0	2.3	0.1	0.5	0.4	1.3	1.4
Hydrometer, Reading 7, Percent Passing	%	0.1	0.2	3.1	0.1	1.2	2.3	0	0.4	0.3	0.9	0.6
PCBs (SW8082A)												
PCB-1016 (Aroclor 1016)	ug/kg	26.3 U	25.0 U	33.3 U	29.5 U	36.0 U	25.2 U	24.0 U	26.0 U	25.7 U	32.3 U	32.1 U
PCB-1221 (Aroclor 1221)	ug/kg	26.3 U	25.0 U	388	69.9 J	234	138	24.0 U	80.7	98.9	64.1 J	90.2
PCB-1232 (Aroclor 1232)	ug/kg	26.3 U	25.0 U	33.3 U	29.5 U	36.0 U	25.2 U	24.0 U	26.0 U	25.7 U	32.3 U	32.1 U
PCB-1242 (Aroclor 1242)	ug/kg	26.3 U	46.6 J	881	136	437	256	24.0 U	190	376	224	292
PCB-1248 (Aroclor 1248)	ug/kg	26.3 U	25.0 U	33.3 U	29.5 U	36.0 U	25.2 U	24.0 U	26.0 U	25.7 U	32.3 U	32.1 U
PCB-1254 (Aroclor 1254)	ug/kg	26.3 U	25.0 U	206	29.5 U	117	43.9 J	24.0 U	27.7 J	75.7	115	155
PCB-1260 (Aroclor 1260)	ug/kg	26.3 U	25.0 U	33.3 U	29.5 U	36.0 U	25.2 U	24.0 U	26.0 U	25.7 U	32.3 U	32.1 U
Total PCBs	ug/kg	ND	46.6	1480	206	788	438	ND	298	551	403	537
Notes:												
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.												
U = Indicates the analyte was not detected greater than the laboratory reporting limit.												
ug/kg = Microgram(s) per Kilogram												
mg/kg = Milligrams per Kilogram												
NA = Not Analyzed												
ND = Non-detect												
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum												
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values												

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York □

Location ID	HR17-OU2-R1-002	HR17-OU2-R1-004	HR17-OU2-R1-005	HR17-OU2-R1-006	HR17-OU2-R1-009	HR17-OU2-R1-009	HR17-OU2-R1-010	HR17-OU2-R1-014	HR17-OU2-R1-015	HR17-OU2-R1-016	HR17-OU2-R1-019	HR17-OU2-R1-020	HR17-OU2-R1-021	
Sample Name	HR17-OU2-R1-002	HR17-OU2-R1-004	HR17-OU2-R1-005	HR17-OU2-R1-006	HR17-OU2-R1-009	HR17-OU2-R1-FD09	HR17-OU2-R1-010	HR17-OU2-R1-014	HR17-OU2-R1-015	HR17-OU2-R1-016	HR17-OU2-R1-019	HR17-OU2-R1-020	HR17-OU2-R1-021	
Sample Date	8/10/2017	8/10/2017	8/10/2017	8/10/2017	8/10/2017	8/10/2017	8/16/2017	8/11/2017	8/10/2017	8/11/2017	8/11/2017	8/11/2017	8/11/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample						HR17-OU2-R1-009								
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	25200	6330	2580	2860	2640	1780	5340	32900 J	5500	2170	11700	29600 J	27300 J
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	87	100	96	98	100	100	92	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	80	98	87	95	100	100	74	100	92	100	99	99	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	74	90	81	74	98	97	44	98	84	99	96	98	99
Sieve-U.S. Std. No. 10 (2mm)	%	70	75	71	55	89	87	27	97	73	95	89	96	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	66	54	38	40	58	59	18	93	36	75	66	91	97
Sieve-U.S. Std. No. 40 (0.425mm)	%	60	36	10	18	17	18	10	90	22	22	33	90	96
Sieve-U.S. Std. No. 60 (0.25mm)	%	54	23	5	11	6	7	5	88	16	5	14	88	95
Sieve-U.S. Std. No. 140 (0.106mm)	%	47	15	2	7	4	5	3	84	13	3	3	76	91
Sieve-U.S. Std. No. 200 (0.075mm)	%	46	15	2.4	5.9	3.9	4.5	2.3	79	11	3.3	2.8	69	86
Grain Size Classification														
Gravel	%	26	10	19	26	2	3	56	2	16	1	4	2	1
Sand	%	28	75	78.6	68.1	94.1	92.5	41.7	19	73	95.7	93.2	29	13
Fines	%	46	15	2.4	5.9	3.9	4.5	2.3	79	11	3.3	2.8	69	86
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	25.2	2.6	0.3	0.8	0.3	0.3	0.2	43.4	2.3	0.1	0.1	34.9	51.9
Hydrometer, Reading 2, Percent Passing	%	25.2	2.5	0.3	0.8	0.3	0.3	0.2	40.3	2.1	0.1	0.1	28.1	41.8
Hydrometer, Reading 3, Percent Passing	%	22.0	2.3	0.2	0.7	0.3	0.3	0.1	34.8	2.0	0.1	0.1	25.9	33.2
Hydrometer, Reading 4, Percent Passing	%	18.8	2.0	0.2	0.7	0.3	0.3	0.1	29.4	1.8	0.1	0.1	22.5	28.8
Hydrometer, Reading 5, Percent Passing	%	16.8	1.8	0.2	0.6	0.3	0.3	0.1	26.3	1.7	0.1	0.1	19.1	25.9
Hydrometer, Reading 6, Percent Passing	%	14.0	1.6	0.2	0.5	0.3	0.2	0.1	17.0	1.3	0.1	0.1	12.3	15.1
Hydrometer, Reading 7, Percent Passing	%	8.4	1.0	0.2	0.4	0.3	0.2	0.1	10.0	1.0	0.1	0.1	7.8	12.2
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	37.1 U	30.1 U	25.4 U	24.4 U	24.8 U	24.9 U	22.5 U	49.1 UJ	23.0 U	26.6 U	26.0 U	41.7 UJ	40.7 UJ
PCB-1221 (Aroclor 1221)	ug/kg	37.1 U	30.1 U	371	79.4	478	520	22.5 U	166 J	23.0 U	349	429	183 J	40.7 UJ
PCB-1232 (Aroclor 1232)	ug/kg	37.1 U	30.1 U	25.4 U	24.4 U	24.8 U	24.9 U	22.5 U	49.1 UJ	23.0 U	26.6 U	26.0 U	41.7 UJ	40.7 UJ
PCB-1242 (Aroclor 1242)	ug/kg	56.2 J	70.9 J	947	195	1440	1420	73.0	287 J	23.0 U	895	2260	304 J	40.7 UJ
PCB-1248 (Aroclor 1248)	ug/kg	37.1 U	30.1 U	25.4 U	24.4 U	24.8 U	24.9 U	22.5 U	49.1 UJ	23.0 U	26.6 U	26.0 U	41.7 UJ	40.7 UJ
PCB-1254 (Aroclor 1254)	ug/kg	37.1 U	54.8 J	44.6 J	29.5 J	97.2	77.3	22.5 U	72.3 J	23.0 U	52.3 J	142	76.6 J	40.7 UJ
PCB-1260 (Aroclor 1260)	ug/kg	37.1 U	30.1 U	25.4 U	24.4 U	24.8 U	24.9 U	22.5 U	49.1 UJ	23.0 U	26.6 U	26.0 U	41.7 UJ	40.7 UJ
Total PCBs	ug/kg	56.2	126	1360	304	2020	2020	73	525	ND	1300	2830	564	ND

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Microgram(s) per Kilogram
 mg/kg = Milligram(s) per Kilogram
 NA = Not Analyzed
 ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York □

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample	HR17-OU2-R1-022 8/11/2017 0-2 inches	HR17-OU2-R1-023 8/11/2017 0-2 inches	HR17-OU2-R1-024 8/11/2017 0-2 inches	HR17-OU2-R1-026 8/11/2017 0-2 inches	HR17-OU2-R1-027 8/14/2017 0-2 inches	HR17-OU2-R1-028 8/14/2017 0-2 inches	HR17-OU2-R1-029 8/12/2017 0-2 inches	HR17-OU2-R1-031 8/12/2017 0-2 inches	HR17-OU2-R1-032 8/12/2017 0-2 inches	HR17-OU2-R1-033 8/12/2017 0-2 inches	HR17-OU2-R1-034 8/12/2017 0-2 inches	HR17-OU2-R1-035 8/12/2017 0-2 inches	HR17-OU2-R1-035 8/12/2017 0-2 inches HR17-OU2-R1-035	
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	20300 J	6130	4090	4010 J	22200	5170	8700	1930	5240	4050	1630	9780	13800
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	89
Sieve-US Std. 0.75-inch (19 mm)	%	90	100	100	100	100	100	100	93	98	100	100	96	89
Sieve-US Std. 0.375-inch (9.5 mm)	%	85	93	99	97	98	84	98	86	97	87	99	91	71
Sieve-U.S. Std. No. 4 (4.75mm)	%	79	76	97	94	92	72	90	77	93	70	99	80	59
Sieve-U.S. Std. No. 10 (2mm)	%	74	57	82	92	86	64	76	64	89	51	97	70	32
Sieve-U.S. Std. No. 20 (0.85mm)	%	70	24	37	79	83	49	55	50	84	31	72	66	30
Sieve-U.S. Std. No. 40 (0.425mm)	%	66	12	9	32	78	29	30	30	62	19	13	58	26
Sieve-U.S. Std. No. 60 (0.25mm)	%	60	10	4	13	63	16	10	15	36	13	4	49	22
Sieve-U.S. Std. No. 140 (0.106mm)	%	50	5	3	7	35	8	3	6	23	7	2	40	19
Sieve-U.S. Std. No. 200 (0.075mm)	%	48	4.2	2.9	6.5	31	6.8	2.8	5.9	22	5.9	2.0	39	18
Grain Size Classification														
Gravel	%	21	24	3	6	8	28	10	23	7	30	1	20	41
Sand	%	31	71.8	94.1	87.5	61	65.2	87.2	71.1	71	64.1	97	41	41
Fines	%	48	4.2	2.9	6.5	31	6.8	2.8	5.9	22	5.9	2.0	39	18
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	21.5	0.4	0.1	0.4	6.6	0.9	0.1	0.4	3.6	0.4	0.1	15.5	7.0
Hydrometer, Reading 2, Percent Passing	%	18.0	0.4	0.1	0.4	6.1	0.9	0.1	0.4	3.3	0.4	0.1	14.9	6.0
Hydrometer, Reading 3, Percent Passing	%	16.3	0.4	0.1	0.4	5.2	0.8	0.1	0.4	3.0	0.4	0.1	12.4	4.9
Hydrometer, Reading 4, Percent Passing	%	15.4	0.4	0.1	0.4	5.2	0.8	0.1	0.3	3.0	0.3	0.1	9.8	4.9
Hydrometer, Reading 5, Percent Passing	%	14.1	0.4	0.1	0.4	4.0	0.7	0.1	0.3	2.4	0.3	0.1	9.8	4.4
Hydrometer, Reading 6, Percent Passing	%	8.1	0.3	0	0.3	2.8	0.6	0.1	0.2	1.6	0.2	0.1	6.6	2.8
Hydrometer, Reading 7, Percent Passing	%	6.0	0.3	0	0.2	1.9	0.6	0.1	0.2	1.3	0.2	0.1	4.7	1.7
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	40.4 UJ	23.0 U	23.5 U	24.7 U	32.7 U	25.4 U	23.7 U	23.9 U	27.6 U	25.7 U	25.7 U	32.8 U	37.4 U
PCB-1221 (Aroclor 1221)	ug/kg	70.7 J	52.5 J	260	273	57.1 J	167	430	468	54.3 J	73.1	328	211 J	105 J
PCB-1232 (Aroclor 1232)	ug/kg	40.4 UJ	23.0 U	23.5 U	24.7 U	32.7 U	25.4 U	23.7 U	23.9 U	27.6 U	25.7 U	25.7 U	32.8 U	37.4 U
PCB-1242 (Aroclor 1242)	ug/kg	135 J	164	689	563	141	424	1070	739	193	172	806	405 J	177 J
PCB-1248 (Aroclor 1248)	ug/kg	40.4 UJ	23.0 U	23.5 U	24.7 U	32.7 U	25.4 U	23.7 U	23.9 U	27.6 U	25.7 U	25.7 U	32.8 U	37.4 U
PCB-1254 (Aroclor 1254)	ug/kg	40.4 UJ	23.0 U	39.8 J	33.5 J	38.1 J	34.6 J	57.3 J	51.7 J	27.6 U	25.7 U	45.5 J	43.7 J	43.0 J
PCB-1260 (Aroclor 1260)	ug/kg	40.4 UJ	23.0 U	23.5 U	24.7 U	32.7 U	25.4 U	23.7 U	23.9 U	27.6 U	25.7 U	25.7 U	32.8 U	37.4 U
Total PCBs	ug/kg	206	217	989	870	236	626	1560	1260	247	245	1180	660	325

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Microgram(s) per Kilogram
 mg/kg = Milligram(s) per Kilogram
 NA = Not Analyzed
 ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York □

Location ID	HR17-OU2-R1-037	HR17-OU2-R1-038	HR17-OU2-R1-038	HR17-OU2-R1-040	HR17-OU2-R1-041	HR17-OU2-R1-043	HR17-OU2-R1-045	HR17-OU2-R1-046	HR17-OU2-R1-047	HR17-OU2-R1-050	HR17-OU2-R1-056	HR17-OU2-R1-056	HR17-OU2-R1-062	
Sample Name	HR17-OU2-R1-037	HR17-OU2-R1-038	HR17-OU2-R1-038	HR17-OU2-R1-FD10	HR17-OU2-R1-040	HR17-OU2-R1-041	HR17-OU2-R1-043	HR17-OU2-R1-045	HR17-OU2-R1-046	HR17-OU2-R1-047	HR17-OU2-R1-050	HR17-OU2-R1-056	HR17-OU2-R1-FD12	HR17-OU2-R1-062
Sample Date	8/12/2017	8/11/2017	8/11/2017	8/11/2017	8/14/2017	8/14/2017	8/14/2017	8/14/2017	8/14/2017	8/15/2017	8/15/2017	8/15/2017	8/15/2017	6/29/2017
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample				HR17-OU2-R1-038									HR17-OU2-R1-056	
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	15900	18300	18600 J	23700	24900 J	2290	3210	17500 J	2620	20100	24500	19400	9360
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	96	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	87	100	100	100	81	100	99	100	100	100	99
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	95	75	100	100	96	63	100	99	100	100	100	98
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	88	70	97	99	91	50	99	94	99	99	99	86
Sieve-U.S. Std. No. 10 (2mm)	%	99	79	64	95	99	81	37	99	89	98	98	99	76
Sieve-U.S. Std. No. 20 (0.85mm)	%	98	73	60	94	93	49	30	94	67	96	96	97	70
Sieve-U.S. Std. No. 40 (0.425mm)	%	96	71	59	91	88	10	18	90	41	94	95	95	61
Sieve-U.S. Std. No. 60 (0.25mm)	%	90	69	58	88	78	4	8	88	15	92	91	92	47
Sieve-U.S. Std. No. 140 (0.106mm)	%	70	65	55	76	60	3	3	81	6	76	76	76	26
Sieve-U.S. Std. No. 200 (0.075mm)	%	64	61	51	69	57	2.5	2.7	75	5.4	46	50	52	23
Grain Size Classification														
Gravel	%	0	12	30	3	1	9	50	1	6	1	1	1	14
Sand	%	36	27	19	28	42	88.5	47.3	24	88.6	53	49	47	63
Fines	%	64	61	51	69	57	2.5	2.7	75	5.4	46	50	52	23
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	18.1	30.1	23.5	34.3	23.3	0.1	0.2	35.8	0.3	14.0	25.7	21.9	4.9
Hydrometer, Reading 2, Percent Passing	%	15.6	26.6	19.5	29.5	23.3	0.1	0.2	29.8	0.2	12.0	19.4	17.9	4.3
Hydrometer, Reading 3, Percent Passing	%	13.9	23.2	18.6	22.4	19.7	0.1	0.2	25.2	0.2	10.1	14.6	15.8	3.5
Hydrometer, Reading 4, Percent Passing	%	10.5	19.7	15.5	20.7	16.6	0	0.2	21.2	0.2	8.8	13.0	13.1	2.9
Hydrometer, Reading 5, Percent Passing	%	8.8	17.4	13.7	17.7	14.3	0	0.1	19.9	0.2	7.8	10.6	10.4	2.4
Hydrometer, Reading 6, Percent Passing	%	6.3	11.0	9.7	14.2	8.9	0	0.1	14.5	0.1	5.8	7.5	7.0	1.7
Hydrometer, Reading 7, Percent Passing	%	3.7	8.1	5.3	10.6	5.3	0	0.1	10.6	0.1	4.2	4.3	5.0	0.9
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	37.7 U	37.2 U	41.1 UJ	37.4 U	41.6 UJ	24.7 U	23.5 U	40.2 UJ	22.8 U	35.2 U	35.1 U	33.6 U	24.7 U
PCB-1221 (Aroclor 1221)	ug/kg	254	97.9	41.1 UJ	37.4 U	426 J	284	183	40.2 UJ	178	35.2 U	35.1 U	33.6 U	24.7 U
PCB-1232 (Aroclor 1232)	ug/kg	37.7 U	37.2 U	41.1 UJ	37.4 U	41.6 UJ	24.7 U	23.5 U	40.2 UJ	22.8 U	35.2 U	35.1 U	33.6 U	24.7 U
PCB-1242 (Aroclor 1242)	ug/kg	411	202 J	86.3 J	70.0 J	664 J	756	433	56.5 J	569	35.2 U	36.7 J	39.7 J	39.6 J
PCB-1248 (Aroclor 1248)	ug/kg	37.7 U	37.2 U	41.1 UJ	37.4 U	41.6 UJ	24.7 U	23.5 U	40.2 UJ	22.8 U	35.2 U	35.1 U	33.6 U	24.7 U
PCB-1254 (Aroclor 1254)	ug/kg	85.8 J	132	41.1 UJ	37.4 U	99.8 J	43.8 J	23.5 J	40.2 UJ	35.1 J	35.2 U	35.1 U	33.6 U	24.7 U
PCB-1260 (Aroclor 1260)	ug/kg	37.7 U	37.2 U	41.1 UJ	37.4 U	41.6 UJ	24.7 U	23.5 U	40.2 UJ	22.8 U	35.2 U	35.1 U	33.6 U	24.7 U
Total PCBs	ug/kg	751	432	86.3	70	1190	1080	640	56.5	782	ND	36.7	39.7	39.6
Notes:														
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.														
U = Indicates the analyte was not detected greater than the laboratory reporting limit.														
µg/kg = Microgram(s) per Kilogram														
mg/kg = Milligram(s) per Kilogram														
NA = Not Analyzed														
ND = Non-detect														
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum														
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values														

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York □

Location ID	HR17-OU2-R1-065	HR17-OU2-R1-066	HR17-OU2-R1-068	HR17-OU2-R1-069	HR17-OU2-R1-072	HR17-OU2-R1-073	HR17-OU2-R1-076	HR17-OU2-R1-079	HR17-OU2-R1-081	HR17-OU2-R1-081	HR17-OU2-R1-082	HR17-OU2-R1-083	HR17-OU2-R1-084	
Sample Name	HR17-OU2-R1-065	HR17-OU2-R1-066	HR17-OU2-R1-068	HR17-OU2-R1-069	HR17-OU2-R1-072	HR17-OU2-R1-073	HR17-OU2-R1-076	HR17-OU2-R1-079	HR17-OU2-R1-081	HR17-OU2-R1-FD01	HR17-OU2-R1-082	HR17-OU2-R1-083	HR17-OU2-R1-084	
Sample Date	6/29/2017	8/17/2017	8/16/2017	8/16/2017	6/29/2017	8/16/2017	6/20/2017	6/20/2017	6/20/2017	6/20/2017	6/20/2017	6/20/2017	6/20/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample										HR17-OU2-R1-081				
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	18500	2380	5080	8320	3650	2620	3940	5610	1750 J	8690 J	3100	7550	6660
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	78	100	99
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	99	100	100	100	100	100	73	100	97
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	88	90	85	92	100	98	91	100	100	64	100	88
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	78	67	48	70	100	89	66	99	99	61	99	66
Sieve-U.S. Std. No. 10 (2mm)	%	98	65	49	20	40	100	68	48	95	95	59	99	47
Sieve-U.S. Std. No. 20 (0.85mm)	%	95	48	39	11	23	92	60	36	71	77	53	98	34
Sieve-U.S. Std. No. 40 (0.425mm)	%	81	29	23	8	13	44	34	19	29	35	38	96	19
Sieve-U.S. Std. No. 60 (0.25mm)	%	63	7	12	6	9	14	4	8	4	7	14	73	9
Sieve-U.S. Std. No. 140 (0.106mm)	%	45	0	10	4	5	10	1	4	0	1	3	40	4
Sieve-U.S. Std. No. 200 (0.075mm)	%	38	0.2	10	0.7	4.7	10	0.6	3.3	0.2	0.6	2.5	29	2.6
Grain Size Classification														
Gravel	%	0	22	33	52	30	0	11	34	1	1	39	1	34
Sand	%	62	77.8	57	47.3	65.3	90	88.4	62.7	98.8	98.4	58.5	70	63.4
Fines	%	38	0.2	10	0.7	4.7	10	0.6	3.3	0.2	0.6	2.5	29	2.6
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	9.2	0	0.5	0	0.4	0.3	0.1	0.4	0	0.1	0.2	6.8	0.3
Hydrometer, Reading 2, Percent Passing	%	7.4	0	0.5	0	0.4	0.3	0.1	0.4	0	0	0.1	6.8	0.3
Hydrometer, Reading 3, Percent Passing	%	5.7	0	0.5	0	0.3	0.3	0.1	0.4	0	0	0.1	5.4	0.2
Hydrometer, Reading 4, Percent Passing	%	4.8	0	0.5	0	0.2	0.2	0	0.3	0	0	0.1	4.6	0.1
Hydrometer, Reading 5, Percent Passing	%	4.4	0	0.4	0	0.2	0.2	0	0.3	0	0	0.1	4.4	0.1
Hydrometer, Reading 6, Percent Passing	%	3.0	0	0.3	0	0.1	0.2	0	0.3	0	0	0	3.2	0.1
Hydrometer, Reading 7, Percent Passing	%	1.7	0	0.1	0	0.1	0.2	0	0.3	0	0	0	2.2	0.1
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	24.2 U	25.6 U	25.1 U	22.2 U	18.2 U	24.9 U	17.6 U	20.8 U	20.0 U	19.1 U	21.8 U	26.9 U	21.1 U
PCB-1221 (Aroclor 1221)	ug/kg	24.2 U	289	25.1 U	43.9 J	18.2 U	251	17.6 U	20.8 U	175	200	300	26.9 U	21.1 U
PCB-1232 (Aroclor 1232)	ug/kg	24.2 U	25.6 U	25.1 U	22.2 U	18.2 U	24.9 U	17.6 U	20.8 U	20.0 U	19.1 U	21.8 U	26.9 U	21.1 U
PCB-1242 (Aroclor 1242)	ug/kg	24.2 U	706	37.1 J	117	23.4 J	712	17.6 U	20.8 U	453	575	904	96.1	21.8 J
PCB-1248 (Aroclor 1248)	ug/kg	24.2 U	25.6 U	25.1 U	22.2 U	18.2 U	24.9 U	17.6 U	20.8 U	20.0 U	19.1 U	21.8 U	26.9 U	21.1 U
PCB-1254 (Aroclor 1254)	ug/kg	26.5 J	36.0 J	25.1 J	22.2 U	19.3 J	41.1 J	17.6 U	20.8 U	31.8 J	34.0 J	76.9	26.9 U	21.1 U
PCB-1260 (Aroclor 1260)	ug/kg	24.2 U	25.6 U	25.1 U	22.2 U	18.2 U	24.9 U	17.6 U	20.8 U	20.0 U	19.1 U	21.8 U	26.9 U	21.1 U
Total PCBs	ug/kg	26.5	1030	62.2	161	42.7	1000	ND	ND	660	809	1280	96.1	21.8
Notes:														
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.														
U = Indicates the analyte was not detected greater than the laboratory reporting limit.														
µg/kg = Microgram(s) per Kilogram														
mg/kg = Milligram(s) per Kilogram														
NA = Not Analyzed														
ND = Non-detect														
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum														
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values														

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York □

Location ID	HR17-OU2-R1-085	HR17-OU2-R1-086	HR17-OU2-R1-087	HR17-OU2-R1-087	HR17-OU2-R1-088	HR17-OU2-R1-089	HR17-OU2-R1-090	HR17-OU2-R1-091	HR17-OU2-R1-092	HR17-OU2-R1-093	HR17-OU2-R1-095	HR17-OU2-R1-097	HR17-OU2-R1-098	
Sample Name	HR17-OU2-R1-085	HR17-OU2-R1-086	HR17-OU2-R1-087	HR17-OU2-R1-FD02	HR17-OU2-R1-088	HR17-OU2-R1-089	HR17-OU2-R1-090	HR17-OU2-R1-091	HR17-OU2-R1-092	HR17-OU2-R1-093	HR17-OU2-R1-095	HR17-OU2-R1-097	HR17-OU2-R1-098	
Sample Date	6/20/2017	6/20/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample				HR17-OU2-R1-087										
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	1560	6080 J	18300	14700	4420	6280	2240	17100 J	1800 J	5100	5910	4990	13800
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	97	100	100	100	100	94	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	91	99	100	97	100	90	100	96	99	100	100	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	99	73	99	100	93	100	86	100	82	97	99	99	99
Sieve-U.S. Std. No. 10 (2mm)	%	96	55	98	99	90	100	80	100	57	93	94	98	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	88	41	97	98	89	94	65	98	37	85	52	87	97
Sieve-U.S. Std. No. 40 (0.425mm)	%	64	29	95	95	87	65	44	98	22	76	23	54	92
Sieve-U.S. Std. No. 60 (0.25mm)	%	27	18	92	89	73	24	20	96	9	61	16	18	87
Sieve-U.S. Std. No. 140 (0.106mm)	%	11	10	60	61	17	4	6	71	2	25	10	4	63
Sieve-U.S. Std. No. 200 (0.075mm)	%	9.2	7.6	51	51	13	3.2	5.1	61	2.1	19	9.0	3.5	53
Grain Size Classification														
Gravel	%	1	27	1	0	7	0	14	0	18	3	1	1	1
Sand	%	89.8	65.4	48	49	80	96.8	80.9	39	79.9	78	90	95.5	46
Fines	%	9.2	7.6	51	51	13	3.2	5.1	61	2.1	19	9.0	3.5	53
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.8	1.0	17.8	16.9	1.1	0.2	0.1	30.2	0.1	2.1	0.7	0.1	15.3
Hydrometer, Reading 2, Percent Passing	%	0.8	0.6	13.3	16.1	0.9	0.2	0	20.1	0.1	1.1	0.7	0.1	13.8
Hydrometer, Reading 3, Percent Passing	%	0.5	0.5	11.6	12.3	0.7	0.1	0	15.7	0.1	0.7	0.5	0.1	9.2
Hydrometer, Reading 4, Percent Passing	%	0.5	0.5	8.9	10.0	0.7	0.1	0	14.5	0.1	0.7	0.3	0.1	6.9
Hydrometer, Reading 5, Percent Passing	%	0.5	0.4	7.1	8.4	0.6	0.1	0	10.1	0.1	0.3	0.3	0.1	6.1
Hydrometer, Reading 6, Percent Passing	%	0.5	0.4	5.3	6.1	0.2	0.1	0	6.7	0.1	0.3	0.2	0.1	3.8
Hydrometer, Reading 7, Percent Passing	%	0.5	0.1	2.6	3.8	0	0.1	0	4.4	0	0	0.2	0	1.5
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	19.9 U	19.6 U	27.0 U	27.7 U	21.7 U	20.9 U	18.9 U	31.1 UJ	18.0 U	24.0 U	20.5 U	20.0 U	28.1 U
PCB-1221 (Aroclor 1221)	ug/kg	307	19.6 U	104 J	177 J	59.5 J	197	81.6	157 J	168	187	137	30.6 J	54.3 J
PCB-1232 (Aroclor 1232)	ug/kg	19.9 U	19.6 U	27.0 U	27.7 U	21.7 U	20.9 U	18.9 U	31.1 UJ	18.0 U	24.0 U	20.5 U	20.0 U	28.1 U
PCB-1242 (Aroclor 1242)	ug/kg	1030	19.6 U	198	267	126	312	201	265 J	367	502	267	92.3	114
PCB-1248 (Aroclor 1248)	ug/kg	19.9 U	19.6 U	27.0 U	27.7 U	21.7 U	20.9 U	18.9 U	31.1 UJ	18.0 U	24.0 U	20.5 U	20.0 U	28.1 U
PCB-1254 (Aroclor 1254)	ug/kg	70.9	19.6 U	33.6 J	48.6 J	21.7 U	24.5 J	92.4	51.1 J	22.4 J	40.1 J	21.1 J	20.0 U	28.1 U
PCB-1260 (Aroclor 1260)	ug/kg	19.9 U	19.6 U	27.0 U	27.7 U	21.7 U	20.9 U	18.9 U	31.1 UJ	18.0 UJ	24.0 U	20.5 U	20.0 U	28.1 U
Total PCBs	ug/kg	1410	ND	336	493	186	534	375	473	557	729	425	123	168

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Microgram(s) per Kilogram
 mg/kg = Milligram(s) per Kilogram
 NA = Not Analyzed
 ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York □

Location ID	HR17-OU2-R1-099	HR17-OU2-R1-100	HR17-OU2-R1-101	HR17-OU2-R1-102	HR17-OU2-R1-103	HR17-OU2-R1-104	HR17-OU2-R1-104	HR17-OU2-R1-105	HR17-OU2-R1-106	HR17-OU2-R1-107	HR17-OU2-R1-108	HR17-OU2-R1-109	HR17-OU2-R1-110	
Sample Name	HR17-OU2-R1-099	HR17-OU2-R1-100	HR17-OU2-R1-101	HR17-OU2-R1-102	HR17-OU2-R1-103	HR17-OU2-R1-104	HR17-OU2-R1-FD03	HR17-OU2-R1-105	HR17-OU2-R1-106	HR17-OU2-R1-107	HR17-OU2-R1-108	HR17-OU2-R1-109	HR17-OU2-R1-110	
Sample Date	6/22/2017	6/22/2017	6/22/2017	6/22/2017	6/22/2017	6/23/2017	6/23/2017	6/23/2017	6/23/2017	6/23/2017	6/23/2017	6/23/2017	6/23/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample							HR17-OU2-R1-104							
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	1790	14500	1030	1810	25400 J	3060	2140	1970	2550	2740	8580 J	1260	2020
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	98	93	87	92	100	100	100	100	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	98	93	87	92	100	100	94	100	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	98	93	87	92	100	94	92	100	99	100	99	100	99
Sieve-U.S. Std. No. 4 (4.75mm)	%	98	93	87	92	100	85	83	100	92	99	98	100	97
Sieve-U.S. Std. No. 10 (2mm)	%	98	93	87	92	100	67	64	98	72	91	98	96	87
Sieve-U.S. Std. No. 20 (0.85mm)	%	87	93	76	72	99	51	49	85	39	69	94	85	49
Sieve-U.S. Std. No. 40 (0.425mm)	%	50	92	51	50	98	39	38	43	25	36	92	42	45
Sieve-U.S. Std. No. 60 (0.25mm)	%	12	91	5	21	97	21	23	14	5	8	86	2	37
Sieve-U.S. Std. No. 140 (0.106mm)	%	3	74	1	5	83	11	15	10	3	1	56	1	36
Sieve-U.S. Std. No. 200 (0.075mm)	%	2.4	58	0.7	4.5	72	11	14	9.3	2.8	0.1	46	0.7	36
Grain Size Classification														
Gravel	%	2	7	13	8	0	15	17	0	8	1	2	0	3
Sand	%	95.6	35	86.3	87.5	28	74	69	90.7	89.2	98.9	52	99.3	61
Fines	%	2.4	58	0.7	4.5	72	11	14	9.3	2.8	0.1	46	0.7	36
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.1	16.9	0	0.1	27.7	0.7	1.0	0.3	0.2	0	10.1	0	1.3
Hydrometer, Reading 2, Percent Passing	%	0.1	14.7	0	0.1	25.5	0.6	1.0	0.3	0.1	0	9.3	0	1.3
Hydrometer, Reading 3, Percent Passing	%	0.1	11.0	0	0.1	20.0	0.5	0.8	0.2	0.1	0	6.8	0	1.1
Hydrometer, Reading 4, Percent Passing	%	0.1	8.8	0	0.1	16.6	0.3	0.7	0.1	0.1	0	6.2	0	1.1
Hydrometer, Reading 5, Percent Passing	%	0.1	7.3	0	0.1	14.4	0.3	0.7	0.1	0.1	0	4.7	0	1.1
Hydrometer, Reading 6, Percent Passing	%	0	5.1	0	0.1	9.4	0.2	0.4	0.1	0.1	0	3.9	0	0.9
Hydrometer, Reading 7, Percent Passing	%	0	2.9	0	0	5.5	0.2	0.4	0.1	0.1	0	1.9	0	0.9
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	20.2 U	28.0 U	19.2 U	19.3 U	34.5 UJ	20.4 U	20.3 U	20.4 U	18.4 U	20.6 U	33.6 UJ	20.8 U	20.4 U
PCB-1221 (Aroclor 1221)	ug/kg	230	104	98.7	88.3	88.0 J	733	895	292	256	202	428 J	138	245
PCB-1232 (Aroclor 1232)	ug/kg	20.2 U	28.0 U	19.2 U	19.3 U	34.5 UJ	20.4 U	20.3 U	20.4 U	18.4 U	20.6 U	33.6 UJ	20.8 U	20.4 U
PCB-1242 (Aroclor 1242)	ug/kg	598	161	275	234	226 J	2060	2470	860	727	594	675 J	392	732
PCB-1248 (Aroclor 1248)	ug/kg	20.2 U	28.0 U	19.2 U	19.3 U	34.5 UJ	20.4 U	20.3 U	20.4 U	18.4 U	20.6 U	33.6 UJ	20.8 U	20.4 U
PCB-1254 (Aroclor 1254)	ug/kg	36.1 J	41.7 J	19.2 U	19.3 U	67.6 J	135	151	50.2 J	51.4 J	43.7 J	94.7 J	26.2 J	51.3 J
PCB-1260 (Aroclor 1260)	ug/kg	20.2 U	28.0 U	19.2 U	19.3 U	34.5 UJ	20.4 U	20.3 U	20.4 U	18.4 U	20.6 U	33.6 UJ	20.8 U	20.4 U
Total PCBs	ug/kg	864	307	374	322	382	2930	3520	1200	1030	840	1200	556	1030

Notes:
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 U = Indicates the analyte was not detected greater than the laboratory reporting limit.
 ug/kg = Microgram(s) per Kilogram
 mg/kg = Milligram(s) per Kilogram
 NA = Not Analyzed
 ND = Non-detect
 Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum
 Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York □

Location ID	HR17-OU2-R1-111	HR17-OU2-R1-112	HR17-OU2-R1-113	HR17-OU2-R1-114	HR17-OU2-R1-115	HR17-OU2-R1-116	HR17-OU2-R1-117	HR17-OU2-R1-117	HR17-OU2-R1-118	HR17-OU2-R1-119	HR17-OU2-R1-120	HR17-OU2-R1-121	HR17-OU2-R1-122	
Sample Name	HR17-OU2-R1-111	HR17-OU2-R1-112	HR17-OU2-R1-113	HR17-OU2-R1-114	HR17-OU2-R1-115	HR17-OU2-R1-116	HR17-OU2-R1-117	HR17-OU2-R1-117	HR17-OU2-R1-118	HR17-OU2-R1-119	HR17-OU2-R1-120	HR17-OU2-R1-121	HR17-OU2-R1-122	
Sample Date	6/23/2017	8/24/2017	6/23/2017	6/24/2017	6/24/2017	6/24/2017	6/24/2017	6/24/2017	6/24/2017	6/24/2017	6/24/2017	6/24/2017	6/24/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample														
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	1470	21600	2200	1470	1930	22000 J	1130	999 J	1170	2650	2380	2430	1540
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	100	100	100	100	100	97	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	90	100	100	100	100	100	93	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	98	100	94	91	44	100	100	100	100	100	61	95	80
Sieve-U.S. Std. No. 4 (4.75mm)	%	87	100	80	64	23	100	100	100	100	99	38	87	72
Sieve-U.S. Std. No. 10 (2mm)	%	69	100	63	42	10	100	100	100	98	96	24	80	56
Sieve-U.S. Std. No. 20 (0.85mm)	%	35	99	31	37	4	96	94	92	91	76	16	73	26
Sieve-U.S. Std. No. 40 (0.425mm)	%	14	98	15	23	1	93	33	73	89	33	10	57	4
Sieve-U.S. Std. No. 60 (0.25mm)	%	6	96	3	3	1	93	6	46	30	5	4	23	2
Sieve-U.S. Std. No. 140 (0.106mm)	%	4	79	2	1	1	89	5	44	15	3	2	7	2
Sieve-U.S. Std. No. 200 (0.075mm)	%	4.2	68	1.5	1.2	0.6	86	4.9	44	15	3.2	2.0	5.6	1.5
Grain Size Classification														
Gravel	%	13	0	20	36	77	0	0	0	0	1	62	13	28
Sand	%	82.8	32	78.5	62.8	22.4	14	95.1	56	85	95.8	36	81.4	70.5
Fines	%	4.2	68	1.5	1.2	0.6	86	4.9	44	15	3.2	2.0	5.6	1.5
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0.2	21.9	0.1	0.1	0.1	47.3	0.2	1.6	0.6	0.1	0.1	0.5	0.1
Hydrometer, Reading 2, Percent Passing	%	0.2	16.9	0.1	0.1	0.1	32.0	0.2	1.6	0.6	0.1	0.1	0.5	0.1
Hydrometer, Reading 3, Percent Passing	%	0.2	12.0	0.1	0	0	23.1	0.2	1.6	0.6	0.1	0.1	0.5	0
Hydrometer, Reading 4, Percent Passing	%	0.1	8.9	0	0	0	20.6	0.1	1.1	0.5	0.1	0.1	0.4	0
Hydrometer, Reading 5, Percent Passing	%	0.1	6.4	0	0	0	19.9	0.1	1.1	0.5	0.1	0.1	0.3	0
Hydrometer, Reading 6, Percent Passing	%	0.1	3.9	0	0	0	12.3	0.1	1.1	0.4	0.1	0	0.2	0
Hydrometer, Reading 7, Percent Passing	%	0.1	2.1	0	0	0	7.9	0.1	0.9	0.4	0.1	0	0.1	0
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	19.5 U	36.5 U	19.1 U	18.1 U	17.1 U	39.3 UJ	18.0 U	19.7 U	19.9 U	19.5 U	17.7 U	20.2 U	17.1 U
PCB-1221 (Aroclor 1221)	ug/kg	80.3	156	256	73.5	17.1 U	150 J	104	116	101	239	118	233	157
PCB-1232 (Aroclor 1232)	ug/kg	19.5 U	36.5 U	19.1 U	18.1 U	17.1 U	39.3 UJ	18.0 U	19.7 U	19.9 U	19.5 U	17.7 U	20.2 U	17.1 U
PCB-1242 (Aroclor 1242)	ug/kg	621	556	718	222	17.1 U	292 J	334	371	282	678	400	536	449
PCB-1248 (Aroclor 1248)	ug/kg	19.5 U	36.5 U	19.1 U	18.1 U	17.1 U	39.3 UJ	18.0 U	19.7 U	19.9 U	19.5 U	17.7 U	20.2 U	17.1 U
PCB-1254 (Aroclor 1254)	ug/kg	37.4 J	304	41.1 J	18.1 U	17.1 U	74.2 J	23.3 J	26.3 J	19.9 U	46.4 J	25.1 J	58.4 J	30.4 J
PCB-1260 (Aroclor 1260)	ug/kg	19.5 U	36.5 U	19.1 U	18.1 U	17.1 U	39.3 UJ	18.0 U	19.7 U	19.9 U	19.5 U	17.7 U	20.2 U	17.1 U
Total PCBs	ug/kg	739	1020	1020	296	ND	516	461	513	383	963	543	827	636
Notes:														
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.														
U = Indicates the analyte was not detected greater than the laboratory reporting limit.														
µg/kg = Microgram(s) per Kilogram														
mg/kg = Milligram(s) per Kilogram														
NA = Not Analyzed														
ND = Non-detect														
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum														
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values														

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York □

Location ID	Sample Name	Sample Date	Sample Depth Interval	Parent Sample	HR17-OU2-R1-123	HR17-OU2-R1-125	HR17-OU2-R1-126	HR17-OU2-R1-127	HR17-OU2-R1-130	HR17-OU2-R1-132	HR17-OU2-R1-132	HR17-OU2-R1-133	HR17-OU2-R1-135	HR17-OU2-R1-136	HR17-OU2-R1-137	HR17-OU2-R1-137	HR17-OU2-R1-139
Analyte	Unit																
Total Organic Carbon (LLOYD KAHN)																	
Total Organic Carbon	mg/kg		13300	1080	6240	1890	5560	38100 J	33000 J	10800	1640	931	3650	3100 J	2560 J		
Grain Size (D422)																	
Sieve-US Std. 3-inch (75 mm)	%		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%		100	94	100	100	92	100	100	100	100	81	86	100	100	100	88
Sieve-US Std. 0.75-inch (19 mm)	%		100	86	100	98	91	100	100	100	64	72	100	100	100	100	85
Sieve-US Std. 0.375-inch (9.5 mm)	%		100	77	99	89	79	100	100	100	40	39	91	89	68		
Sieve-U.S. Std. No. 4 (4.75mm)	%		100	55	99	85	63	100	100	99	26	25	73	66	47		
Sieve-U.S. Std. No. 10 (2mm)	%		100	36	99	81	44	100	100	99	18	16	58	52	36		
Sieve-U.S. Std. No. 20 (0.85mm)	%		97	30	96	56	28	99	98	97	15	12	46	40	26		
Sieve-U.S. Std. No. 40 (0.425mm)	%		93	25	86	8	14	97	97	95	13	7	35	30	11		
Sieve-U.S. Std. No. 60 (0.25mm)	%		88	11	62	2	5	97	97	54	6	1	26	21	1		
Sieve-U.S. Std. No. 140 (0.106mm)	%		74	2	17	1	2	96	96	15	2	0	12	10	0		
Sieve-U.S. Std. No. 200 (0.075mm)	%		68	1.1	11	0.3	2.1	96	96	13	1.2	0.4	9.6	7.7	0.1		
Grain Size Classification																	
Gravel	%		0	45	1	15	37	0	0	1	74	75	27	34	53		
Sand	%		32	53.9	88	84.7	60.9	4	4	86	24.8	24.6	63.4	58.3	46.9		
Fines	%		68	1.1	11	0.3	2.1	96	96	13	1.2	0.4	9.6	7.7	0.1		
Hydrometer Readings (D422)																	
Hydrometer, Reading 1, Percent Passing	%		24.2	0.1	1.6	0	0.3	72.7	67.4	1.7	0.1	0	0.9	0.7	0		
Hydrometer, Reading 2, Percent Passing	%		13.5	0.1	1.6	0	0.3	71.0	63.2	1.5	0.1	0	0.8	0.5	0		
Hydrometer, Reading 3, Percent Passing	%		11.8	0	1.3	0	0.3	64.5	54.8	1.5	0.1	0	0.7	0.5	0		
Hydrometer, Reading 4, Percent Passing	%		10.9	0	1.1	0	0.2	51.3	49.2	1.5	0	0	0.6	0.5	0		
Hydrometer, Reading 5, Percent Passing	%		10.0	0	1.1	0	0.2	43.1	36.6	1.5	0	0	0.4	0.2	0		
Hydrometer, Reading 6, Percent Passing	%		6.0	0	0.9	0	0.2	26.6	21.9	1.2	0	0	0.4	0.1	0		
Hydrometer, Reading 7, Percent Passing	%		3.7	0	0.8	0	0.1	17.3	13.4	0.9	0	0	0.3	0.1	0		
PCBs (SW8082A)																	
PCB-1016 (Aroclor 1016)	ug/kg		27.6 U	17.3 U	22.7 U	17.4 U	19.4 U	41.6 UJ	43.1 UJ	22.5 U	2130 U	17.0 U	20.2 U	20.0 U	18.4 U		
PCB-1221 (Aroclor 1221)	ug/kg		99.3	37.6 J	222	69.3	19.4 U	311 J	265 J	67.9 J	3960 J	31.8 J	216	173	74.9		
PCB-1232 (Aroclor 1232)	ug/kg		27.6 U	17.3 U	22.7 U	17.4 U	19.4 U	41.6 UJ	43.1 UJ	22.5 U	2130 U	17.0 U	20.2 U	20.0 U	18.4 U		
PCB-1242 (Aroclor 1242)	ug/kg		176	123	501	250	54.8 J	444 J	401 J	180	11400	107	381	368	230		
PCB-1248 (Aroclor 1248)	ug/kg		27.6 U	17.3 U	22.7 U	17.4 U	19.4 U	41.6 UJ	43.1 UJ	22.5 U	2130 U	17.0 U	20.2 U	20.0 U	18.4 U		
PCB-1254 (Aroclor 1254)	ug/kg		39.5 J	17.3 U	55.7 J	19.8 J	19.4 U	100 J	88.1 J	24.8 J	2130 U	17.0 U	41.7 J	35.9 J	18.4 U		
PCB-1260 (Aroclor 1260)	ug/kg		27.6 U	17.3 U	22.7 U	17.4 U	19.4 U	41.6 UJ	43.1 UJ	22.5 U	2130 U	17.0 U	20.2 U	20.0 U	18.4 U		
Total PCBs	ug/kg		315	161	779	339	54.8	855	754	273	15400	139	639	577	305		
Notes:																	
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.																	
U = Indicates the analyte was not detected greater than the laboratory reporting limit.																	
µg/kg = Microgram(s) per Kilogram																	
mg/kg = Milligram(s) per Kilogram																	
NA = Not Analyzed																	
ND = Non-detect																	
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum																	
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values																	

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York □

Location ID	HR17-OU2-R1-140	HR17-OU2-R1-141	HR17-OU2-R1-143	HR17-OU2-R1-144	HR17-OU2-R1-145	HR17-OU2-R1-147	HR17-OU2-R1-148	HR17-OU2-R1-148	HR17-OU2-R1-148	HR17-OU2-R1-150	HR17-OU2-R1-154	HR17-OU2-R1-154	HR17-OU2-R1-156	HR17-OU2-R1-157
Sample Name	HR17-OU2-R1-140	HR17-OU2-R1-141	HR17-OU2-R1-143	HR17-OU2-R1-144	HR17-OU2-R1-145	HR17-OU2-R1-147	HR17-OU2-R1-148	HR17-OU2-R1-148	HR17-OU2-R1-148	HR17-OU2-R1-150	HR17-OU2-R1-154	HR17-OU2-R1-154	HR17-OU2-R1-156	HR17-OU2-R1-157
Sample Date	6/27/2017	6/27/2017	6/27/2017	6/27/2017	6/27/2017	6/27/2017	6/27/2017	6/28/2017	6/28/2017	6/28/2017	6/29/2017	6/29/2017	6/29/2017	6/28/2017
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample									HR17-OU2-R1-148			HR17-OU2-R1-154		
Analyte	Unit													
Total Organic Carbon (LLOYD KAHN)														
Total Organic Carbon	mg/kg	1460	8000	984	1820	12900	3360	11800 J	12000	1670	1620	1660	5180	8560
Grain Size (D422)														
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	81	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	94	100	81	100	100	100	88	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	96	100	81	97	74	100	100	100	85	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	72	100	57	84	61	100	100	100	68	99	100	99	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	45	99	44	70	55	100	100	100	45	95	96	99	99
Sieve-U.S. Std. No. 10 (2mm)	%	30	98	33	56	49	100	100	100	32	77	78	97	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	26	93	26	52	40	98	99	99	26	48	51	95	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	18	82	14	35	29	95	98	99	20	19	21	88	97
Sieve-U.S. Std. No. 60 (0.25mm)	%	3	69	5	20	20	62	98	98	10	4	6	48	91
Sieve-U.S. Std. No. 140 (0.106mm)	%	1	30	1	14	5	14	51	52	5	3	4	13	37
Sieve-U.S. Std. No. 200 (0.075mm)	%	0.5	25	0.5	14	4.4	12	37	38	4.4	2.7	3.6	11	31
Grain Size Classification														
Gravel	%	55	1	56	30	45	0	0	0	55	5	4	1	1
Sand	%	44.5	74	43.5	56	50.6	88	63	62	40.6	92.3	92.4	88	68
Fines	%	0.5	25	0.5	14	4.4	12	37	38	4.4	2.7	3.6	11	31
Hydrometer Readings (D422)														
Hydrometer, Reading 1, Percent Passing	%	0	3.8	0	0.4	0.3	1.3	5.4	6.6	0.3	0.1	0.1	0.8	4.3
Hydrometer, Reading 2, Percent Passing	%	0	3.8	0	0.4	0.3	0.9	4.3	5.5	0.2	0.1	0.1	0.8	4.2
Hydrometer, Reading 3, Percent Passing	%	0	3.3	0	0.2	0.3	0.9	3.8	4.9	0.2	0.1	0.1	0.5	2.8
Hydrometer, Reading 4, Percent Passing	%	0	2.7	0	0.2	0.2	0.7	3.2	3.5	0.1	0.1	0	0.4	2.4
Hydrometer, Reading 5, Percent Passing	%	0	1.9	0	0.2	0.1	0.5	1.6	3.1	0.1	0	0	0.3	2.2
Hydrometer, Reading 6, Percent Passing	%	0	1.9	0	0.2	0.1	0.5	1.1	2.2	0.1	0	0	0.2	1.6
Hydrometer, Reading 7, Percent Passing	%	0	0.8	0	0.2	0.1	0.4	0	1.3	0.1	0	0	0	0.8
PCBs (SW8082A)														
PCB-1016 (Aroclor 1016)	ug/kg	19.2 U	23.2 U	19.0 UJ	18.1 U	22.3 U	22.2 U	27.1 U	27.9 U	18.4 U	18.3 U	17.9 U	24.7 U	25.1 U
PCB-1221 (Aroclor 1221)	ug/kg	101	117	133	107	207	96.9	328 J	203 J	83.3	156	125	289	205
PCB-1232 (Aroclor 1232)	ug/kg	19.2 U	23.2 U	19.0 U	18.1 U	22.3 U	22.2 U	27.1 U	27.9 U	18.4 U	18.3 U	17.9 U	24.7 U	25.1 U
PCB-1242 (Aroclor 1242)	ug/kg	272	230	340	296	444	243	512 J	324 J	257	504	396	698	407
PCB-1248 (Aroclor 1248)	ug/kg	19.2 U	23.2 U	19.0 U	18.1 U	22.3 U	22.2 U	27.1 U	27.9 U	18.4 U	18.3 U	17.9 U	24.7 U	25.1 U
PCB-1254 (Aroclor 1254)	ug/kg	19.2 U	38.5 J	22.4 J	21.3 J	50.5 J	29.9 J	87.3	68.3 J	19.8 J	35.7 J	32.3 J	70.9 J	75.7 J
PCB-1260 (Aroclor 1260)	ug/kg	19.2 U	23.2 U	19.0 UJ	18.1 U	22.3 U	22.2 U	27.1 U	27.9 U	18.4 U	18.3 U	17.9 U	24.7 U	25.1 U
Total PCBs	ug/kg	373	386	495	424	702	370	927	595	360	696	553	1060	688
Notes:														
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.														
U = Indicates the analyte was not detected greater than the laboratory reporting limit.														
µg/kg = Microgram(s) per Kilogram														
mg/kg = Milligram(s) per Kilogram														
NA = Not Analyzed														
ND = Non-detect														
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum														
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values														

Table 3-2H Sediment Results for PCB Aroclors, Total Organic Carbon, and Grain Size, Reach 1, Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R1-161	HR17-OU2-R1-166	HR17-OU2-R1-168	HR17-OU2-R1-170	HR17-OU2-R1-172	HR17-OU2-R1-174	HR17-OU2-R1-175	HR17-OU2-R1-176	HR17-OU2-R1-178	HR17-OU2-R1-179	HR17-OU2-R1-180	
Sample Name	HR17-OU2-R1-161	HR17-OU2-R1-166	HR17-OU2-R1-168	HR17-OU2-R1-170	HR17-OU2-R1-172	HR17-OU2-R1-174	HR17-OU2-R1-175	HR17-OU2-R1-176	HR17-OU2-R1-178	HR17-OU2-R1-179	HR17-OU2-R1-180	
Sample Date	6/29/2017	6/29/2017	8/24/2017	6/28/2017	8/24/2017	6/28/2017	6/28/2017	6/29/2017	6/28/2017	6/29/2017	6/28/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample												
Analyte	Unit											
Total Organic Carbon (LLOYD KAHN)												
Total Organic Carbon	mg/kg	16400 J	14000 J	2750	4610	1670	5380	1940	16900 J	1620	19400 J	11000
Grain Size (D422)												
Sieve-US Std. 3-inch (75 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 2-inch (50 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1.5-inch (37.5 mm)	%	100	100	100	100	100	100	100	100	100	100	100
Sieve-US Std. 1-inch (25 mm)	%	100	100	100	100	100	98	100	100	100	100	100
Sieve-US Std. 0.75-inch (19 mm)	%	100	100	100	100	100	94	100	100	100	100	100
Sieve-US Std. 0.375-inch (9.5 mm)	%	100	99	85	100	78	88	100	99	98	99	100
Sieve-U.S. Std. No. 4 (4.75mm)	%	100	99	67	100	55	85	100	98	90	98	100
Sieve-U.S. Std. No. 10 (2mm)	%	99	98	54	100	36	83	100	98	77	98	99
Sieve-U.S. Std. No. 20 (0.85mm)	%	99	97	35	99	23	81	96	98	66	96	98
Sieve-U.S. Std. No. 40 (0.425mm)	%	99	95	9	78	10	68	71	97	45	95	97
Sieve-U.S. Std. No. 60 (0.25mm)	%	98	92	2	46	6	38	28	97	20	95	91
Sieve-U.S. Std. No. 140 (0.106mm)	%	98	79	1	19	4	18	11	95	7	93	57
Sieve-U.S. Std. No. 200 (0.075mm)	%	96	73	1.2	15	3.6	15	11	93	5.7	91	49
Grain Size Classification												
Gravel	%	0	1	33	0	45	15	0	2	10	2	0
Sand	%	4	26	65.8	85	51.4	70	89	5	84.3	7	51
Fines	%	96	73	1.2	15	3.6	15	11	93	5.7	91	49
Hydrometer Readings (D422)												
Hydrometer, Reading 1, Percent Passing	%	79.2	40.3	0	1.1	0.1	1.4	0.6	75.5	0.3	64.2	11.6
Hydrometer, Reading 2, Percent Passing	%	73.3	34.6	0	1.1	0.1	1.3	0.5	75.5	0.2	61.1	9.9
Hydrometer, Reading 3, Percent Passing	%	57.3	29.0	0	0.8	0.1	1.2	0.4	60.7	0.2	51.7	6.1
Hydrometer, Reading 4, Percent Passing	%	48.8	22.7	0	0.8	0.1	0.9	0.3	52.5	0.2	43.8	3.3
Hydrometer, Reading 5, Percent Passing	%	38.7	21.4	0	0.5	0	0.7	0.3	44.3	0.1	37.6	2.7
Hydrometer, Reading 6, Percent Passing	%	25.2	13.2	0	0.5	0	0.3	0.3	27.8	0.1	22.7	1.6
Hydrometer, Reading 7, Percent Passing	%	15.1	8.1	0	0.2	0	0.2	0.1	18.0	0.1	12.5	1.1
PCBs (SW8082A)												
PCB-1016 (Aroclor 1016)	ug/kg	33.9 UJ	31.8 UJ	24.9 U	22.0 U	23.9 U	23.6 U	21.7 U	33.6 UJ	19.5 U	40.8 UJ	28.0 U
PCB-1221 (Aroclor 1221)	ug/kg	66.0 J	31.8 UJ	99.0	315	42.3 J	111	135	149 J	104	132 J	70.3 J
PCB-1232 (Aroclor 1232)	ug/kg	33.9 UJ	31.8 UJ	24.9 U	22.0 U	23.9 U	23.6 U	21.7 U	33.6 UJ	19.5 U	40.8 UJ	28.0 U
PCB-1242 (Aroclor 1242)	ug/kg	149 J	54.1 J	284	708	129	286	461	372 J	345	257 J	224
PCB-1248 (Aroclor 1248)	ug/kg	33.9 UJ	31.8 UJ	24.9 U	22.0 U	23.9 U	23.6 U	21.7 U	33.6 UJ	19.5 U	40.8 UJ	28.0 U
PCB-1254 (Aroclor 1254)	ug/kg	43.9 J	31.8 UJ	24.9 U	51.7 J	23.9 U	35.3 J	64.3 J	39.7 J	28.8 J	68.1 J	64.1 J
PCB-1260 (Aroclor 1260)	ug/kg	33.9 UJ	31.8 UJ	24.9 U	22.0 U	23.9 U	23.6 U	21.7 U	33.6 UJ	19.5 U	40.8 UJ	28.0 U
Total PCBs	ug/kg	259	54.1	383	1070	171	432	660	561	478	457	358
Notes:												
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.												
U = Indicates the analyte was not detected greater than the laboratory reporting limit.												
ug/kg = Microgram(s) per Kilogram												
mg/kg = Milligram(s) per Kilogram												
NA = Not Analyzed												
ND = Non-detect												
Total PCBs were calculated by summing all PCB Aroclors. Non-detects were not included in the sum												
Qualifiers are assigned to individual aroclors and are not included in the Total PCB calculated values												

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Table 3-3A Sediment Results for PCB Congeners
Reach 8
Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-009	HR17-OU2-R8-017	HR17-OU2-R8-033	HR17-OU2-R8-038	HR17-OU2-R8-049	HR17-OU2-R8-054	HR17-OU2-R8-061	HR17-OU2-R8-075	HR17-OU2-R8-086	HR17-OU2-R8-093	HR17-OU2-R8-093	
Sample Name	HR17-OU2-R8-009	HR17-OU2-R8-017	HR17-OU2-R8-033	HR17-OU2-R8-038	HR17-OU2-R8-049	HR17-OU2-R8-054	HR17-OU2-R8-061	HR17-OU2-R8-075	HR17-OU2-R8-086	HR17-OU2-R8-093	HR17-OU2-R8-FD11	
Sample Date	7/19/2017	7/21/2017	7/20/2017	7/22/2017	7/21/2017	7/20/2017	7/19/2017	7/18/2017	7/17/2017	7/15/2017	7/15/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample											HR17-OU2-R8-093	
Analyte	Unit											
Heptachlorobiphenyl; 2,2',3,4,4',5,5'- (PCB 180)	ng/kg	630 C	248 C	454 C	3050 C	189 C	1430 C	396 C	120 C	1710 C	669 C	188 C
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 181)	ng/kg	< 2.31 U	< 3.71 U	< 2.67 U	33.3 J	< 3.18 U	< 7.14 U	< 3.03 U	< 2.90 U	16.0 J EMPC	8.79 J EMPC	< 3.63 U
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg	< 6.89 U	< 11.1 U	< 7.97 U	61.9	< 9.47 U	< 21.3 U	< 9.05 U	< 8.66 U	< 6.56 U	< 9.83 U	< 10.8 U
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 183)	ng/kg	175 C	72.8 J C	127 C	827 C	61.5 J C	428 C	114 C	27.3 J EMPCJ C	586 C	171 C	45.0 J C
Heptachlorobiphenyl; 2,2',3,4,4',6,6'- (PCB 184)	ng/kg	< 9.61 U	< 15.4 U	< 11.1 U	< 13.8 U	< 13.2 U	< 29.7 U	< 12.6 U	< 12.1 U	< 9.16 U	< 13.7 U	< 15.1 U
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 185)	ng/kg	C183	C183	C183	C183	C183	C183	C183	27.3 C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg	< 4.90 U	< 7.86 U	< 5.66 U	< 7.03 U	< 6.73 U	< 15.1 U	< 6.43 U	< 6.15 U	< 4.67 U	< 6.98 U	< 7.69 U
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 187)	ng/kg	508	192	387	3140	166	1170	372	88.7	859	346	127
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 188)	ng/kg	< 4.62 U	< 7.42 U	< 5.34 U	18.7 J	< 6.35 U	< 14.3 U	< 6.06 U	< 5.81 U	< 4.40 U	< 6.59 U	< 7.26 U
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg	29.4	7.70 J EMPC	14.7 J	98.6	< 4.72 U	47.0 J	13.1 J	< 4.31 U	34.1 EMPC	23.0 J	< 5.39 U
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 190)	ng/kg	69.9	26.7 J	57.5	343	15.8 J	170	49.1	< 10.1 U	177	101	17.7 J EMPC
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 191)	ng/kg	< 6.91 U	< 11.1 U	< 8.00 U	56.5	< 9.51 U	49.6 J	< 9.08 U	< 8.69 U	37.1	16.8 J EMPC	< 10.9 U
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 192)	ng/kg	< 3.58 U	< 5.75 U	< 4.15 U	< 5.15 U	< 4.93 U	< 11.1 U	< 4.70 U	< 4.50 U	< 3.41 U	< 5.11 U	< 5.63 U
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg	137	66.7	134	921	38.7	216	65.5 EMPC	29.9 J	287	115	39.4 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 195)	ng/kg	52.5 EMPC	27.1 J	50.4	324	17.5 J	57.6 J EMPC	30.5 J	11.4 J EMPC	127	42.8	15.1 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg	63.0	33.3 J	57.3 EMPC	453	17.2 J	104	45.7	14.6 J	165	47.5 EMPC	22.6 J EMPC
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'- (PCB 197)	ng/kg	27.3 J EMPCJ C	< 32.4 U C	25.6 J C	183 C	< 27.8 U C	< 62.5 U C	< 26.5 U C	< 25.4 U C	69.1 C	< 28.8 U C	< 31.7 U C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 198)	ng/kg	228 C	99.0 C	187 C	1530 C	55.2 J C	320 C	123 C	41.2 J EMPCJ C	453 C	166 C	54.1 J EMPCJ C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 199)	ng/kg	C198	C198	C198	C198	C198	C198	C198	41.2 C198	C198	C198	54.1 C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg	27.3 C197	< 32.4 C197	C197	C197	< 27.8 C197	< 62.5 C197	< 26.5 C197	< 25.4 C197	C197	< 28.8 C197	< 31.7 C197
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 201)	ng/kg	30.2	15.8 J	24.4 J	206	< 12.6 U	35.7 J EMPC	19.6 J	< 11.6 U	60.6	13.6 J	< 14.5 U
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg	83.2	35.8 J	82.9	689	20.3 J EMPC	107	44.0	15.9 J	107	47.9	18.0 J
Octachlorobiphenyl; 2,2',3,4,4',5,5',6'- (PCB 203)	ng/kg	110	49.9	94.5	743	37.3	188	59.8	22.7 J	248	95.8	32.9 J
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg	< 7.51 U	< 12.1 U	< 8.69 U	< 10.8 U	< 10.3 U	< 23.2 U	< 9.86 U	< 9.44 U	< 7.15 U	< 10.7 U	< 11.8 U
Octachlorobiphenyl; 2,3,3',4,4',5,5',6'- (PCB 205)	ng/kg	< 6.07 U	< 9.75 U	8.68 J EMPC	55.1	< 8.35 U	< 18.8 U	< 7.97 U	< 7.63 U	< 5.78 U	< 8.66 U	< 9.54 U
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'- (PCB 206)	ng/kg	191	70.0	178	955	40.9	139	61.5	30.1 J EMPC	202	97.4	27.0 J EMPC
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg	24.9 J	< 11.7 U	14.7 J	117	< 9.99 U	< 22.5 U	9.63 J	< 9.14 U	26.6	< 10.4 U	< 11.4 U
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg	72.7	27.1 J	51.9 EMPC	417	17.4 J	53.3 J	27.9 J	13.2 J	79.6	29.5 J	< 14.5 U
Decachlorobiphenyl (PCB 209)	ng/kg	67.8	25.0 J	58.1	278	12.0 J EMPC	< 22.4 U	18.4 J	13.9 J EMPC	69.2	15.8 J	< 11.4 U
Total PCBs	ng/kg	258000	147000	141000	3700000	82300	7900000	167000	71400	746000	379000	152000

Notes:
A= Reporting Limit based on signal to noise
B= Less than 10x higher than method blank level
C= lowest numerically designated congener in the co-elution
C### = congener number for the lowest numerically designated congener in the co-elution
D= Result obtained from analysis of diluted sample
EMPC= Estimated Maximum Possible Concentration
J= Estimated value
Nn= Value obtained from additional analysis
U= Analyte not detected
ng/kg= nanograms per Kilogram
Total PCBs were calculated by summing all PCB Congeners. Non-detects were not included in the sum.
Qualifiers are assigned to individual congeners and are not included in the Total PCB calculated values.

Table 3-3A Sediment Results for PCB Congeners
Reach 8
Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R8-103	HR17-OU2-R8-107	HR17-OU2-R8-116	HR17-OU2-R8-133	HR17-OU2-R8-146	HR17-OU2-R8-160	HR17-OU2-R8-176	HR17-OU2-R8-182	HR17-OU2-R8-182	HR17-OU2-R8-186	HR17-OU2-R8-197	
Sample Name	HR17-OU2-R8-103	HR17-OU2-R8-107	HR17-OU2-R8-116	HR17-OU2-R8-133	HR17-OU2-R8-146	HR17-OU2-R8-160	HR17-OU2-R8-176	HR17-OU2-R8-182	HR17-OU2-R8-FD02	HR17-OU2-R8-186	HR17-OU2-R8-197	
Sample Date	7/15/2017	7/14/2017	7/14/2017	7/13/2017	7/12/2017	7/11/2017	7/8/2017	7/7/2017	7/7/2017	7/6/2017	7/10/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample									HR17-OU2-R8-182			
Analyte	Unit											
Heptachlorobiphenyl; 2,2',3,4,4',5,5'- (PCB 180)	ng/kg	4330 C	105 C	604 C	3340 C	66.1 J C	32.1 J C	408 C	75700 C	63200 C	119 C	976 C
Heptachlorobiphenyl; 2,2',3,4,4',5,6- (PCB 181)	ng/kg	57.8	< 2.95 U	< 2.91 U	32.2 J	< 3.54 U	< 3.50 U	< 3.40 U	775	688	< 2.19 U	10.5 J EMPC
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg	< 8.93 U	< 8.79 U	< 8.70 U	52.2 J	< 10.6 U	< 10.4 U	< 10.2 U	682	625	< 6.54 U	< 11.4 U
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 183)	ng/kg	1230 C	26.9 J EMPC J C	183 C	975 C	19.7 J C	< 13.3 U C	112 C	22000 C	17700 C	39.7 J C	334 C
Heptachlorobiphenyl; 2,2',3,4,4',6,6'- (PCB 184)	ng/kg	< 12.5 U	< 12.3 U	< 12.1 U	< 27.1 U	< 14.8 U	< 14.6 U	< 14.2 U	63.3 J	49.6 J EMPC	< 9.13 U	< 15.8 U
Heptachlorobiphenyl; 2,2',3,4,5,5',6- (PCB 185)	ng/kg	C183	26.9 C183	C183	C183	C183	< 13.3 C183	C183	C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg	< 6.35 U	< 6.25 U	< 6.18 U	< 13.8 U	< 7.51 U	< 7.42 U	< 7.22 U	78.2	69.4 J	< 4.65 U	< 8.07 U
Heptachlorobiphenyl; 2,2',3,4',5,5',6- (PCB 187)	ng/kg	2450	85.4	501	3500	36.4 J	20.4 J	265	50500	42500	80.8	596
Heptachlorobiphenyl; 2,2',3,4',5,6,6'- (PCB 188)	ng/kg	8.61 J EMPC	< 5.89 U	< 5.83 U	28.7 J	< 7.09 U	< 7.00 U	< 6.81 U	436	396	< 4.38 U	< 7.61 U
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg	141	< 4.38 U	18.8 J EMPC	96.3 EMPC	< 5.27 U	< 5.20 U	13.3 J	2050	1800	3.33 J	30.5 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6- (PCB 190)	ng/kg	502	10.3 J EMPC	63.7	466	< 12.3 U	< 12.2 U	44.3	7760	6590	12.4 J	104
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 191)	ng/kg	80.2	< 8.82 U	13.0 J	77.4	< 10.6 U	< 10.5 U	< 10.2 U	1510	1210	< 6.57 U	19.9 J
Heptachlorobiphenyl; 2,3,3',4,5,5',6- (PCB 192)	ng/kg	< 4.64 U	< 4.57 U	< 4.52 U	< 10.1 U	< 5.50 U	< 5.43 U	< 5.28 U	< 10.6 U	< 12.4 U	< 3.40 U	< 5.90 U
Heptachlorobiphenyl; 2,3,3',4,5,5',6- (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg	925	19.9 J EMPC	124	996	19.4 J	< 9.93 U	82.0	15400	13000	18.7 J	168
Octachlorobiphenyl; 2,2',3,3',4,4',5,6- (PCB 195)	ng/kg	385	< 10.5 U	43.3	393	< 12.6 U	< 12.4 U	28.3 J EMPC	5830	5040	9.70 J	62.4
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg	477	9.84 J	70.2	494	< 8.37 U	< 8.26 U	33.8 J	8360	7170	10.5 J	86.2
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'- (PCB 197)	ng/kg	179 C	< 25.8 U C	27.8 J C	189 EMPC	< 31.0 U C	< 30.6 U C	< 29.8 U C	3020 C	2590 C	< 19.2 U C	35.1 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6- (PCB 198)	ng/kg	1370 C	32.5 J C	203 C	1610 C	< 29.8 U C	< 29.5 U C	93.9 C	22400 C	19300 C	27.2 J C	257 C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 199)	ng/kg	C198	C198	C198	C198	< 29.8 C198	< 29.5 C198	C198	C198	C198	C198	C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg	C197	< 25.8 C197	C197	189 C197	< 31.0 C197	< 30.6 C197	< 29.8 C197	C197	C197	< 19.2 C197	C197
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'- (PCB 201)	ng/kg	142	< 11.7 U	21.4 J EMPC	201	< 14.1 U	< 13.9 U	< 13.6 U	2830	2480	< 8.73 U	34.1 J
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg	358	9.40 J EMPC	62.6 J	510	< 7.57 U	< 7.48 U	35.0 J	6820	5810	6.33 J EMPC	65.1
Octachlorobiphenyl; 2,2',3,4,4',5,5',6- (PCB 203)	ng/kg	805	17.7 J	107	782	10.2 J	< 9.87 U	56.3	12500	10700	14.5 J	163
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg	< 9.73 U	< 9.58 U	< 9.48 U	< 21.1 U	< 11.5 U	< 11.4 U	< 11.1 U	< 22.1 U	< 26.1 U	< 7.13 U	< 12.4 U
Octachlorobiphenyl; 2,3,3',4,4',5,5',6- (PCB 205)	ng/kg	47.9	< 7.74 U	8.15 J EMPC	< 17.1 U	< 9.32 U	< 9.20 U	< 8.95 U	812	697	< 5.76 U	< 10.00 U
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6- (PCB 206)	ng/kg	818	16.7 J EMPC	113 J	833	19.5 J EMPC	< 14.9 U	54.8 EMPC	9630	9650	12.1 J	189
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg	89.5	< 9.27 U	11.5 J EMPC	107	< 11.2 U	< 11.0 U	< 10.7 U	1250	1200	< 6.90 U	22.8 J
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg	312	< 11.8 U	40.8 J	332	< 14.2 U	< 14.0 U	18.3 J EMPC	4550	4200	< 8.76 U	85.4
Decachlorobiphenyl (PCB 209)	ng/kg	201	< 9.22 U	26.9 J	217	< 11.1 U	< 11.0 U	15.6 J EMPC	2660	2100	< 6.86 U	44.4
Total PCBs	ng/kg	1180000	229000	1400000	4610000	57200	38600	317000	42500000	32100000	503000	3240000

Notes:
A= Reporting Limit based on signal to noise
B= Less than 10x higher than method blank level
C= lowest numerically designated congener in the co-elution
C### = congener number for the lowest numerically designated
D= Result obtained from analysis of diluted sample
EMPC= Estimated Maximum Possible Concentration
J= Estimated value
Nn= Value obtained from additional analysis
U= Analyte not detected
ng/kg= nanograms per Kilogram
Total PCBs were calculated by summing all PCB Congeners. No
Qualifiers are assigned to individual congeners and are not inclu

Table 3-3B Sediment Results for PCB Congeners
Reach 7
Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R7-006	HR17-OU2-R7-006	HR17-OU2-R7-014	HR17-OU2-R7-024	HR17-OU2-R7-026	HR17-OU2-R7-032	HR17-OU2-R7-042	HR17-OU2-R7-046	HR17-OU2-R7-063	HR17-OU2-R7-087	HR17-OU2-R7-087	HR17-OU2-R7-106	HR17-OU2-R7-107
Sample Name	HR17-OU2-R7-006	HR17-OU2-R7-FD03	HR17-OU2-R7-014	HR17-OU2-R7-024	HR17-OU2-R7-026	HR17-OU2-R7-032	HR17-OU2-R7-042	HR17-OU2-R7-046	HR17-OU2-R7-063	HR17-OU2-R7-087	HR17-OU2-R7-FD11	HR17-OU2-R7-106	HR17-OU2-R7-107
Sample Date	7/24/2017	7/24/2017	7/25/2017	7/25/2017	7/26/2017	6/17/2017	7/26/2017	7/27/2017	7/28/2017	7/31/2017	7/31/2017	7/31/2017	7/29/2017
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample		HR17-OU2-R7-006									HR17-OU2-R7-087		
Analyte	Unit												
Heptachlorobiphenyl; 2,2',3,3',4',5,6'- (PCB 177)	ng/kg	114	610	25.1 J	670	1460	956	4100	3900	577	962	1200	4300
Heptachlorobiphenyl; 2,2',3,3',5,5',6'- (PCB 178)	ng/kg	67.4	451	19.3 J	420	928	755	2590	2630	624	771	911	3160
Heptachlorobiphenyl; 2,2',3,3',5,6,6'- (PCB 179)	ng/kg	89.0	423	< 18.5 U	349	1040	695	3510	2940	444	706	849	3560
Heptachlorobiphenyl; 2,2',3,4,4',5,5',6'- (PCB 180)	ng/kg	336 C	1460 C	58.2 J C	1470 C	3900 C	1860 C	11500 C	10600 C	1140 C	2050 C	2620 C	10100 C
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 181)	ng/kg	9.28 J EMPC	13.8 J EMPC	< 3.50 U	13.3 J	47.8	23.8 J	127	124	12.5 J EMPC	25.0 J	34.7 J	141
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg	< 10.9 U	13.3 J EMPC	< 10.4 U	14.3 J EMPC	34.7 J	31.6	135	99.9 EMPC	14.9 J EMPC	< 51.0 U	65.7 J	142
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 183)	ng/kg	105 C	406 C	< 13.3 U C	396 C	1090 C	583 C	3060 C	2840 C	298 C	620 C	808 C	3120 C
Heptachlorobiphenyl; 2,2',3,4,4',6,6'- (PCB 184)	ng/kg	< 15.2 U	< 14.9 U	< 14.6 U	< 14.6 U	< 15.4 U	< 11.5 U	< 15.3 U	< 32.8 U	< 13.2 U	< 71.1 U	< 71.9 U	< 29.0 U
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 185)	ng/kg	C183	C183	< 13.3 C183	C183	C183	C183	C183	C183	C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg	< 7.73 U	< 7.58 U	< 7.42 U	< 7.42 U	< 7.87 U	< 5.87 U	< 7.81 U	< 16.7 U	< 6.71 U	< 36.2 U	< 36.6 U	< 8.10 U
Heptachlorobiphenyl; 2,2',3,4',5,5',6'- (PCB 187)	ng/kg	258	1250	46.3	1210	3030	1990	8520	7720	1190	2080	2390	9400
Heptachlorobiphenyl; 2,2',3,4',5,6,6'- (PCB 188)	ng/kg	< 7.29 U	< 7.15 U	< 7.00 U	< 7.00 U	< 7.42 U	10.9 J	76.1	51.7 J EMPC	< 6.33 U	< 34.2 U	< 34.6 U	66.9
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg	14.3 J	46.9	< 5.20 U	43.8	111	62.9	343	299	36.5	76.3 J	95.6 J	308
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 190)	ng/kg	44.7	165	< 12.2 U	123 EMPC	463	203	1270	1210	139	234	340	1180
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 191)	ng/kg	< 10.9 U	30.6 J	< 10.5 U	31.6 J	87.1	33.8	239	208	19.5 J EMPC	< 51.2 U	< 51.7 U	190
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 192)	ng/kg	< 5.65 U	< 5.55 U	< 5.43 U	< 5.43 U	< 5.76 U	< 4.29 U	< 5.72 U	< 12.2 U	< 4.91 U	< 26.5 U	< 26.8 U	< 5.93 U
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg	95.4	257	< 9.92 U	275	543	509	2550	1900	273	465	607	2390
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 195)	ng/kg	38.2 J	97.9	< 12.4 U	105	188	203	940	730	105	176 J EMPC	242	996
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg	51.5	131	< 8.26 U	116	285	283	1350	986	127	266	316 EMPC	1330
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'- (PCB 197)	ng/kg	< 31.9 U C	46.1 J C	< 30.6 U C	56.5 J C	92.9 C	120 C	508 C	395 C	55.5 J C	< 149 U C	< 151 U C	587 C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 198)	ng/kg	171 C	409 C	< 29.4 U C	392 C	854 C	855 C	3730 C	2940 C	466 C	823 C	988 C	4140 C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 199)	ng/kg	C198	C198	< 29.4 C198	C198	C198	C198	C198	C198	C198	C198	C198	C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg	< 31.9 C197	C197	< 30.6 C197	C197	C197	C197	C197	C197	C197	< 149 C197	< 151 C197	C197
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'- (PCB 201)	ng/kg	17.8 J	50.3	< 13.9 U	64.0	97.5 EMPC	120	476	349	57.9 EMPC	108 J	139 J	519
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg	46.5	140	< 7.47 U	165	240	322	1190	823	188	276	326	1460
Octachlorobiphenyl; 2,2',3,4,4',5,5',6'- (PCB 203)	ng/kg	94.9	199	< 9.86 U	211	431	463	2080	1470	236	387	639	2170
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg	< 11.8 U	< 11.6 U	< 11.4 U	< 11.4 U	< 12.1 U	< 8.99 U	< 12.0 U	< 25.6 U	< 10.3 U	< 55.5 U	< 56.2 U	< 12.4 U
Octachlorobiphenyl; 2,3,3',4,4',5,5',6'- (PCB 205)	ng/kg	9.95 J	15.8 J EMPC	< 9.19 U	19.9 J EMPC	31.4 J EMPC	33.4	138 EMPC	82.3 J EMPC	17.8 J	< 44.9 U	< 45.4 U	151
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'- (PCB 206)	ng/kg	131	196	16.0 J EMPC	256	301	550	2230	1370	288	404	487	2270
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg	16.8 J	19.6 J EMPC	< 11.0 U	27.8 J	35.6 J	64.7	258	128 EMPC	28.1 J EMPC	< 53.8 U	61.7 J	275
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg	63.9	71.8	< 14.0 U	102	112 EMPC	248	913	553	111	166 J	210	1050
Decachlorobiphenyl (PCB 209)	ng/kg	56.4	29.3 J EMPC	< 11.0 U	60.9	47.2 EMPC	201	497	241 EMPC	87.6	82.7 J	126 J	628
Total PCBs	ng/kg	251000	4880000	89000	8340000	13800000	997000	11400000	24200000	5380000	6460000	6900000	4480000

Notes:

- A= Reporting Limit based on signal to noise
 - B= Less than 10x higher than method blank level
 - C= lowest numerically designated congener in the co-elution □
 - C### = congener number for the lowest numerically designated congener in the co-elution □
 - D= Result obtained from analysis of diluted sample
 - EMPC= Estimated Maximum Possible Concentration
 - J= Estimated value
 - Nn= Value obtained from additional analysis
 - U= Analyte not detected
 - ng/kg= nanograms per Kilogram
- Total PCBs were calculated by summing all PCB Congeners. Non-detects were not included in the sum.
Qualifiers are assigned to individual congeners and are not included in the Total PCB calculated values.

Table 3-3C Sediment Results for PCB Congeners
Reach 6
Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R6-004	HR17-OU2-R6-004	HR17-OU2-R6-020	HR17-OU2-R6-036	HR17-OU2-R6-041	HR17-OU2-R6-043	HR17-OU2-R6-082	HR17-OU2-R6-094	
Sample Name	HR17-OU2-R6-004	HR17-OU2-R6-FD01	HR17-OU2-R6-020	HR17-OU2-R6-036	HR17-OU2-R6-041	HR17-OU2-R6-043	HR17-OU2-R6-082	HR17-OU2-R6-094	
Sample Date	7/27/2017	7/27/2017	7/31/2017	7/28/2017	7/29/2017	7/31/2017	8/2/2017	8/2/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample		HR17-OU2-R6-004							
Analyte	Unit								
Chlorinated Biphenyl Congers (E1668A)									
Chlorobiphenyl; 2- (PCB 1)	ng/kg	218000	186000	324000	211000 J	329000 J	186000 J	286000	759000 J
Chlorobiphenyl; 3- (PCB 2)	ng/kg	5960	6540	4830	2120 J	5570 J	2490 J	3080	7150 J
Chlorobiphenyl; 4- (PCB 3)	ng/kg	119000	124000	67000	43000 J	85200 J	66900 J	71500	183000 J
Dichlorobiphenyl; 2,2'- (PCB 4)	ng/kg	212000 J	170000 J	339000	276000 J	390000 J	146000 J	212000	655000 J
Dichlorobiphenyl; 2,3'- (PCB 5)	ng/kg	349	453	1440	293 J	707 J	236 J	429	1350 J
Dichlorobiphenyl; 2,3'- (PCB 6)	ng/kg	54700	52800	54700	36400 J	93700 J	28000 J	46900	149000 J
Dichlorobiphenyl; 2,4'- (PCB 7)	ng/kg	1730	1870	3870	1600 J	3700 J	1690 J	2180	6800 J
Dichlorobiphenyl; 2,4'- (PCB 8)	ng/kg	186000	173000	200000	123000 J	259000 J	89000 J	138000	493000 J
Dichlorobiphenyl; 2,5'- (PCB 9)	ng/kg	8210	8190	13000	5660 J	12900 J	4810 J	6910	20900 J
Dichlorobiphenyl; 2,6'- (PCB 10)	ng/kg	45100	38100	82700	52400 J	87800 J	29900 J	44500	142000 J
Dichlorobiphenyl; 3,3'- (PCB 11)	ng/kg	10400	< 50.4 U	6160	4030 J	11600 J	4510 J	6080	14800 J
Dichlorobiphenyl; 3,4'- (PCB 12)	ng/kg	65200 C	61300 C	33700 C	20600 J C	56100 J C	23700 J C	32400 C	79900 J C
Dichlorobiphenyl; 3,4'- (PCB 13)	ng/kg	C12	C12	C12	C12	C12	C12	C12	C12
Dichlorobiphenyl; 3,5'- (PCB 14)	ng/kg	476	454	105	129 J	232 J	90.9 J	124	213 J
Dichlorobiphenyl; 4,4'- (PCB 15)	ng/kg	252000	232000	164000	84200 J	193000 J	134000 J	167000	449000 J
Trichlorobiphenyl; 2,2',3'- (PCB 16)	ng/kg	6090	5380	11400	3730 J	8770 J	2210 J	4500	19800 J
Trichlorobiphenyl; 2,2',4'- (PCB 17)	ng/kg	50700	46400	49900	25600 J	47300 J	14000 J	24200	88800 J
Trichlorobiphenyl; 2,2',5'- (PCB 18)	ng/kg	13600 C	12100 C	12200 C	7030 J C	16100 J C	2380 J C	5740 C	56700 J C
Trichlorobiphenyl; 2,2',6'- (PCB 19)	ng/kg	76600	61100	89700	68900 J	134000 J	44600 J	63300	323000 J
Trichlorobiphenyl; 2,3,3'- (PCB 20)	ng/kg	96800 C	83500 C	79400 C	42200 J C	130000 J C	45300 J C	77100 C	214000 J C
Trichlorobiphenyl; 2,3,4'- (PCB 21)	ng/kg	16000 C	15000 C	17400 C	6470 J C	15700 J C	6530 J C	10800 C	34400 J C
Trichlorobiphenyl; 2,3,4'- (PCB 22)	ng/kg	22700	19600	25200	11600 J	32900 J	12000 J	20300	69000 J
Trichlorobiphenyl; 2,3,5'- (PCB 23)	ng/kg	160	150	262	310 J	723 J	216 J	341	815 J
Trichlorobiphenyl; 2,3,6'- (PCB 24)	ng/kg	1200	1050	1800	1120 J	2540 J	806 J	1540	5260 J
Trichlorobiphenyl; 2,3',4'- (PCB 25)	ng/kg	27300	24700	20000	12900 J	35700 J	12200 J	17600	61400 J
Trichlorobiphenyl; 2,3',5'- (PCB 26)	ng/kg	81700 C	77500 C	48200 C	31200 J C	89400 J C	27000 J C	40600 C	134000 J C
Trichlorobiphenyl; 2,3',6'- (PCB 27)	ng/kg	58700	52300	51800	38100 J	80100 J	24200 J	37400	119000 J
Trichlorobiphenyl; 2,4,4'- (PCB 28)	ng/kg	C20	C20	C20	C20	C20	C20	C20	C20
Trichlorobiphenyl; 2,4,5'- (PCB 29)	ng/kg	C26	C26	C26	C26	C26	C26	C26	C26
Trichlorobiphenyl; 2,4,6'- (PCB 30)	ng/kg	C18	C18	C18	C18	C18	C18	C18	C18
Trichlorobiphenyl; 2,4',5'- (PCB 31)	ng/kg	185000	163000	109000	61100 J	167000 J	58100 J	87200	299000 J
Trichlorobiphenyl; 2,4',6'- (PCB 32)	ng/kg	60400	61500	63600	31300 J	62200 J	15500 J	25900	124000 J
Trichlorobiphenyl; 2',3,4'- (PCB 33)	ng/kg	C21	C21	C21	C21	C21	C21	C21	C21
Trichlorobiphenyl; 2',3,5'- (PCB 34)	ng/kg	5060	4900	2250	2500 J	5650 J	1760 J	2520	6370 J
Trichlorobiphenyl; 3,3',4'- (PCB 35)	ng/kg	4610	3940	2060	1470 J	3480 J	1800 J	2820	4410 J
Trichlorobiphenyl; 3,3',5'- (PCB 36)	ng/kg	1280	1100	188	244 J	548 J	225 J	281	475 J
Trichlorobiphenyl; 3,4,4'- (PCB 37)	ng/kg	57600	49900	28600	16200 J	41800 J	24100 J	40000	91600 J
Trichlorobiphenyl; 3,4,5'- (PCB 38)	ng/kg	< 2.00 U	37.3 J	50.5 J	25.7 J	88.2 J	28.8 J	47.0	104 J
Trichlorobiphenyl; 3,4',5'- (PCB 39)	ng/kg	4620	4100	1050	1020 J	2640 J	1070 J	1410	2820 J
Tetrachlorobiphenyl; 2,2',3,3'- (PCB 40)	ng/kg	24100 C	27300 C	16800 C	10900 J C	27000 J C	9760 J C	14200 C	52500 J C
Tetrachlorobiphenyl; 2,2',3,4'- (PCB 41)	ng/kg	C40	C40	C40	C40	C40	C40	C40	C40
Tetrachlorobiphenyl; 2,2',3,4'- (PCB 42)	ng/kg	8980	10400	8130	5640 J	13500 J	5400 J	7330	27700 J
Tetrachlorobiphenyl; 2,2',3,5'- (PCB 43)	ng/kg	4880 C	5100 C	3010 C	3510 J C	7760 J C	2820 J C	3640 C	8320 J C
Tetrachlorobiphenyl; 2,2',3,5'- (PCB 44)	ng/kg	67500 C	74700 C	39900 C	31100 J C	72100 J C	28600 J C	35000 C	117000 J C
Tetrachlorobiphenyl; 2,2',3,6'- (PCB 45)	ng/kg	17500 C	22300 C	11200 C	8810 J C	18800 J C	6500 J C	8470 C	38200 J C
Tetrachlorobiphenyl; 2,2',3,6'- (PCB 46)	ng/kg	2650	3300	1990	1250 J	2910 J	883 J	1370	8180 J
Tetrachlorobiphenyl; 2,2',4,4'- (PCB 47)	ng/kg	C44	C44	C44	C44	C44	C44	C44	C44
Tetrachlorobiphenyl; 2,2',4,5'- (PCB 48)	ng/kg	3310	3650	3350	1960 J	4260 J	1820 J	2600	10200 J
Tetrachlorobiphenyl; 2,2',4,5'- (PCB 49)	ng/kg	69900 C	77300 C	32500 C	27100 J C	66600 J C	24400 J C	29500 C	97000 J C
Tetrachlorobiphenyl; 2,2',4,6'- (PCB 50)	ng/kg	27900 C	34700 C	17200 C	18300 J C	40100 J C	13400 J C	16200 C	69400 J C
Tetrachlorobiphenyl; 2,2',4,6'- (PCB 51)	ng/kg	C45	C45	C45	C45	C45	C45	C45	C45
Tetrachlorobiphenyl; 2,2',5,5'- (PCB 52)	ng/kg	80900	94400	42300	36000 J	89500 J	31200 J	42000	159000 J
Tetrachlorobiphenyl; 2,2',5,6'- (PCB 53)	ng/kg	C50	C50	C50	C50	C50	C50	C50	C50
Tetrachlorobiphenyl; 2,2',6,6'- (PCB 54)	ng/kg	1860	2040	1560	1880 J	3860 J	1570 J	2040	8960 J
Tetrachlorobiphenyl; 2,3,3',4'- (PCB 55)	ng/kg	432	391	455	290 J	793 J	350 J	525	1160 J
Tetrachlorobiphenyl; 2,3,3',4'- (PCB 56)	ng/kg	9900	9960	7300	5750 J	14100 J	7040 J	9520	25600 J
Tetrachlorobiphenyl; 2,3,3',5'- (PCB 57)	ng/kg	1070	1110	989	914 J	2800 J	856 J	1090	2620 J
Tetrachlorobiphenyl; 2,3,3',5'- (PCB 58)	ng/kg	196	209	123	104 J	329 J	106 J	137	372 J
Tetrachlorobiphenyl; 2,3,3',6'- (PCB 59)	ng/kg	5160 C	5720 C	4710 C	4030 J C	10100 J C	3870 J C	5210 C	15700 J C

Table 3-3C Sediment Results for PCB Congeners

Reach 6

Hudson River PCB Sediments Site OU-2, New York

Analyte	Unit	Location ID	HR17-OU2-R6-004	HR17-OU2-R6-004	HR17-OU2-R6-020	HR17-OU2-R6-036	HR17-OU2-R6-041	HR17-OU2-R6-043	HR17-OU2-R6-082	HR17-OU2-R6-094
		Sample Name	HR17-OU2-R6-004	HR17-OU2-R6-FD01	HR17-OU2-R6-020	HR17-OU2-R6-036	HR17-OU2-R6-041	HR17-OU2-R6-043	HR17-OU2-R6-082	HR17-OU2-R6-094
Sample Date	Sample Depth Interval	Parent Sample	7/27/2017	7/27/2017	7/31/2017	7/28/2017	7/29/2017	7/31/2017	8/2/2017	8/2/2017
Sample Date	Sample Depth Interval	Parent Sample	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Tetrachlorobiphenyl; 2,3,4,4'- (PCB 60)	ng/kg		5510	5500	4830	3650 J	8990 J	4450 J	6280	15400 J
Tetrachlorobiphenyl; 2,3,4,5- (PCB 61)	ng/kg		41900 C	42800 C	30400 C	23000 J C	58000 J C	27300 J C	37900 C	103000 J C
Tetrachlorobiphenyl; 2,3,4,6- (PCB 62)	ng/kg		C59	C59	C59	C59	C59	C59	C59	C59
Tetrachlorobiphenyl; 2,3,4,5- (PCB 63)	ng/kg		4140	4030	3400	3150 J	9100 J	3380 J	4120	9310 J
Tetrachlorobiphenyl; 2,3,4,6- (PCB 64)	ng/kg		17200	19400	16400	11000 J	27000 J	10700 J	15000	53200 J
Tetrachlorobiphenyl; 2,3,5,6- (PCB 65)	ng/kg		C44	C44	C44	C44	C44	C44	C44	C44
Tetrachlorobiphenyl; 2,3,4,4'- (PCB 66)	ng/kg		25100	25700	17400	13800 J	33700 J	16700 J	22800	54700 J
Tetrachlorobiphenyl; 2,3,4,5- (PCB 67)	ng/kg		1560	1560	1140	891 J	2330 J	997 J	1410	3910 J
Tetrachlorobiphenyl; 2,3,4,5'- (PCB 68)	ng/kg		3800	4340	1590	1540 J	3650 J	1790 J	1820	4320 J
Tetrachlorobiphenyl; 2,3,4,6- (PCB 69)	ng/kg		C49	C49	C49	C49	C49	C49	C49	C49
Tetrachlorobiphenyl; 2,3,4,5- (PCB 70)	ng/kg		C61	C61	C61	C61	C61	C61	C61	C61
Tetrachlorobiphenyl; 2,3,4,6- (PCB 71)	ng/kg		C40	C40	C40	C40	C40	C40	C40	C40
Tetrachlorobiphenyl; 2,3,5,5'- (PCB 72)	ng/kg		7050	7830	2400	2620 J	6330 J	2620 J	2940	6810 J
Tetrachlorobiphenyl; 2,3,5,6- (PCB 73)	ng/kg		C43	C43	C43	C43	C43	C43	C43	C43
Tetrachlorobiphenyl; 2,4,4,5- (PCB 74)	ng/kg		C61	C61	C61	C61	C61	C61	C61	C61
Tetrachlorobiphenyl; 2,4,4,6- (PCB 75)	ng/kg		C59	C59	C59	C59	C59	C59	C59	C59
Tetrachlorobiphenyl; 2,3,4,5- (PCB 76)	ng/kg		C61	C61	C61	C61	C61	C61	C61	C61
Tetrachlorobiphenyl; 3,3',4,4'- (PCB 77)	ng/kg		15700	16500	8510	5770 J	12900 J	9300 J	13200	18500 J
Tetrachlorobiphenyl; 3,3',4,5- (PCB 78)	ng/kg		25.1 J	< 10.5 U	< 18.9 U	11.9 J EMPC	26.2 J	14.1 J	20.5 J EMPC	49.8 J
Tetrachlorobiphenyl; 3,3',4,5'- (PCB 79)	ng/kg		243	369	110	96.7 J	264 J	137 J	156	290 J
Tetrachlorobiphenyl; 3,3',5,5'- (PCB 80)	ng/kg		119	120	< 14.9 U	15.8 J	16.9 J EMPC	9.70 J EMPC	6.53 J EMPC	< 18.1 UJ
Tetrachlorobiphenyl; 3,4,4,5- (PCB 81)	ng/kg		258	242	186	107 J	333 J	196 J	303	712 J
Pentachlorobiphenyl; 2,2',3,3',4- (PCB 82)	ng/kg		1600	1380	1030	895 J	2050 J	1080 J	1350	3640 J
Pentachlorobiphenyl; 2,2',3,3',5- (PCB 83)	ng/kg		1680	1460	985	841 J	1950 J	966 J	1170	2770 J
Pentachlorobiphenyl; 2,2',3,3',6- (PCB 84)	ng/kg		11000	10600	3410	3320 J	8130 J	3320 J	3980	12400 J
Pentachlorobiphenyl; 2,2',3,4,4'- (PCB 85)	ng/kg		4280 C	4270 C	2720 C	2580 J C	6070 J C	3010 J C	3410 C	8040 J C
Pentachlorobiphenyl; 2,2',3,4,5- (PCB 86)	ng/kg		7080 C	7190 C	4850 C	4360 J C	10900 J C	5330 J C	6610 C	16500 J C
Pentachlorobiphenyl; 2,2',3,4,5'- (PCB 87)	ng/kg		C86	C86	C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 2,2',3,4,6- (PCB 88)	ng/kg		14700 C	14800 C	3850 C	3870 J C	9200 J C	4070 J C	4230 C	10500 J C
Pentachlorobiphenyl; 2,2',3,4,6'- (PCB 89)	ng/kg		249	239	172	166 J	402 J	174 J	231	735 J
Pentachlorobiphenyl; 2,2',3,4,5- (PCB 90)	ng/kg		14600 C	14800 C	7430 C	7410 J C	17900 J C	8440 J C	10300 C	24300 J C
Pentachlorobiphenyl; 2,2',3,4,6- (PCB 91)	ng/kg		C88	C88	C88	C88	C88	C88	C88	C88
Pentachlorobiphenyl; 2,2',3,5,5'- (PCB 92)	ng/kg		9720	9490	4330	4500 J	11200 J	4900 J	5490	11300 J
Pentachlorobiphenyl; 2,2',3,5,6- (PCB 93)	ng/kg		9030 C	8990 C	2350 C	2560 J C	5350 J C	2480 J C	2750 C	6730 J C
Pentachlorobiphenyl; 2,2',3,5,6'- (PCB 94)	ng/kg		3030	3160	888	1020 J	2160 J	966 J	1230	2830 J
Pentachlorobiphenyl; 2,2',3,5,6- (PCB 95)	ng/kg		22600	22600	9090	9330 J	22300 J	9330 J	10500	31400 J
Pentachlorobiphenyl; 2,2',3,6,6'- (PCB 96)	ng/kg		1440	1710	529	562 J	1230 J	562 J	603	1850 J
Pentachlorobiphenyl; 2,2',3,4,5- (PCB 97)	ng/kg		C86	C86	C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 2,2',3,4,6- (PCB 98)	ng/kg		C93	C93	C93	C93	C93	C93	C93	C93
Pentachlorobiphenyl; 2,2',4,4,5- (PCB 99)	ng/kg		8170	7890	4560	4580 J	11400 J	5180 J	6410	13900 J
Pentachlorobiphenyl; 2,2',4,4,6- (PCB 100)	ng/kg		C93	C93	C93	C93	C93	C93	C93	C93
Pentachlorobiphenyl; 2,2',4,5,5'- (PCB 101)	ng/kg		C90	C90	C90	C90	C90	C90	C90	C90
Pentachlorobiphenyl; 2,2',4,5,6'- (PCB 102)	ng/kg		C93	C93	C93	C93	C93	C93	C93	C93
Pentachlorobiphenyl; 2,2',4,5,6- (PCB 103)	ng/kg		1710	1760	566	683 J	1460 J	683 J	604	1590 J
Pentachlorobiphenyl; 2,2',4,6,6'- (PCB 104)	ng/kg		162	165	81.2 J	107 J	218 J	108 J	81.5	226 J
Pentachlorobiphenyl; 2,3,3',4,4'- (PCB 105)	ng/kg		5250	5080	3750	2910 J	7800 J	4500 J	5890	12900 J
Pentachlorobiphenyl; 2,3,3',4,5- (PCB 106)	ng/kg		< 4.61 U	< 8.71 U	25.8 J EMPC	20.6 J	74.7 J	32.8 J	41.6	< 18.9 UJ
Pentachlorobiphenyl; 2,3,3',4,5- (PCB 107)	ng/kg		350 C	337 DAC	267 C	234 J C	686 J C	319 J C	422 C	914 J C
Pentachlorobiphenyl; 2,3,3',4,5'- (PCB 108)	ng/kg		C86	C86	C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 2,3,3',4,6- (PCB 109)	ng/kg		1510	1360	846	809 J	2170 J	1090 J	1250	2410 J
Pentachlorobiphenyl; 2,3,3',4,6- (PCB 110)	ng/kg		17200 C	17300 C	11700 C	10200 J C	27000 J C	12700 J C	15900 C	39500 J C
Pentachlorobiphenyl; 2,3,3',5,5'- (PCB 111)	ng/kg		224	224	71.2 J	75.5 J	158 J	95.2 J	80.4	140 J
Pentachlorobiphenyl; 2,3,3',5,6- (PCB 112)	ng/kg		445	661	556	546 J	1160 J	543 J	639	1630 J
Pentachlorobiphenyl; 2,3,3',5,6- (PCB 113)	ng/kg		C90	C90	C90	C90	C90	C90	C90	C90
Pentachlorobiphenyl; 2,3,4,4,5- (PCB 114)	ng/kg		460	441	352	277 J	724 J	419 J	556	1200 J
Pentachlorobiphenyl; 2,3,4,4,6- (PCB 115)	ng/kg		C110	C110	C110	C110	C110	C110	C110	C110
Pentachlorobiphenyl; 2,3,4,5,6- (PCB 116)	ng/kg		C85	C85	C85	C85	C85	C85	C85	C85
Pentachlorobiphenyl; 2,3,4,5,6- (PCB 117)	ng/kg		C85	C85	C85	C85	C85	C85	C85	C85
Pentachlorobiphenyl; 2,3',4,4,5- (PCB 118)	ng/kg		11400	11100	8250	6270 J	17300 J	9700 J	12500	27200 J
Pentachlorobiphenyl; 2,3',4,4,6- (PCB 119)	ng/kg		C86	C86	C86	C86	C86	C86	C86	C86

Table 3-3C Sediment Results for PCB Congeners
Reach 6
Hudson River PCB Sediments Site OU-2, New York

Location ID		HR17-OU2-R6-004	HR17-OU2-R6-004	HR17-OU2-R6-020	HR17-OU2-R6-036	HR17-OU2-R6-041	HR17-OU2-R6-043	HR17-OU2-R6-082	HR17-OU2-R6-094
Sample Name		HR17-OU2-R6-004	HR17-OU2-R6-FD01	HR17-OU2-R6-020	HR17-OU2-R6-036	HR17-OU2-R6-041	HR17-OU2-R6-043	HR17-OU2-R6-082	HR17-OU2-R6-094
Sample Date		7/27/2017	7/27/2017	7/31/2017	7/28/2017	7/29/2017	7/31/2017	8/2/2017	8/2/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample			HR17-OU2-R6-004						
Analyte	Unit								
Heptachlorobiphenyl; 2,2',3,4,4',5,5'- (PCB 180)	ng/kg	3560 C	3400 C	1690 C	1700 J C	4100 J C	2310 J C	2360 C	4190 J C
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 181)	ng/kg	58.1	51.7 J	21.7 J EMPC	22.3 J	49.3 J	32.2 J	29.3 J	59.1 J
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg	150	130	44.2 J	42.6 J	75.2 J	57.3 J	43.4	68.6 J
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 183)	ng/kg	1010 C	907 C	493 C	453 J C	1060 J C	612 J C	689 C	1150 J C
Heptachlorobiphenyl; 2,2',3,4,4',6,6'- (PCB 184)	ng/kg	< 10.8 U	< 20.4 U	< 36.6 U	< 12.1 UJ	< 13.4 UJ	< 12.3 UJ	< 12.3 U	< 44.4 UJ
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 185)	ng/kg	C183	C183	C183	C183	C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg	< 5.51 U	< 10.4 U	< 18.6 U	< 6.16 UJ	< 6.81 UJ	< 6.25 UJ	< 6.25 U	< 22.6 UJ
Heptachlorobiphenyl; 2,2',3,4',5,5',6'- (PCB 187)	ng/kg	6250	5650	1910	2010 J	4040 J	2730 J	2280	3910 J
Heptachlorobiphenyl; 2,2',3,4',5,6,6'- (PCB 188)	ng/kg	101	98.5	< 17.6 U	17.3 J	30.2 J	20.0 J	17.4 J	< 21.3 UJ
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg	91.0	111	55.5 J	47.3 J	111 J	82.1 J	80.7	140 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 190)	ng/kg	415	359	191	200 J	464 J	257 J	268	472 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 191)	ng/kg	55.1 EMPC	49.5 J EMPC	30.4 J	32.4 J	80.7 J	44.8 J	45.3	84.8 J
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 192)	ng/kg	< 4.03 U	< 7.61 U	< 13.6 U	< 4.51 UJ	< 4.99 UJ	< 4.58 UJ	< 4.57 U	< 16.5 UJ
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg	1410	1530	549	612 J	1270 J	784 J	646	1100 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 195)	ng/kg	494	553	210	210 J	441 J	305 J	271	419 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg	698	745	291	275 J	579 J	403 J	351	559 J
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'- (PCB 197)	ng/kg	332 C	378 C	130 J JDC	127 J C	247 J C	172 J C	150 C	241 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 198)	ng/kg	2560 C	2770 C	1020 C	951 J C	1900 J C	1380 J C	1150 C	1810 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 199)	ng/kg	C198	C198	C198	C198	C198	C198	C198	C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg	C197	C197	C197	C197	C197	C197	C197	C197
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'- (PCB 201)	ng/kg	349	369	130	126 J	239 J	186 J	158	224 J
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg	976	1060	398	371 J	709 J	606 J	442	692 J
Octachlorobiphenyl; 2,2',3,4,4',5,5',6'- (PCB 203)	ng/kg	1180	1200	465	468 J	964 J	654 J	578	881 J
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg	< 8.44 U	< 15.9 U	< 28.6 U	< 9.45 UJ	< 10.4 UJ	< 9.59 UJ	< 9.58 U	< 34.7 UJ
Octachlorobiphenyl; 2,3,3',4,4',5,5',6'- (PCB 205)	ng/kg	79.9	83.9	39.4 J	31.8 J	56.3 J EMPC	52.7 J	43.6	76.6 J
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'- (PCB 206)	ng/kg	1470	1620	660	596 J	1100 J	991 J	719	1030 J
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg	202	212	79.6 J	81.6 J	135 J	107 J	86.5	112 J
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg	692	763	295	259 J	471 J	424 J	310	397 J
Decachlorobiphenyl (PCB 209)	ng/kg	472	569	206	201 J	370 J	398 J	205	237 J
Total PCBs	ng/kg	2650000	2490000	2300000	1560000	3210000	1370000	1920000	5880000

Notes:

A= Reporting Limit based on signal to noise
 B= Less than 10x higher than method blank level
 C= lowest numerically designated congener in the co-elution
 C### = congener number for the lowest numerically designated congener in the co-elution
 D= Result obtained from analysis of diluted sample
 EMPC= Estimated Maximum Possible Concentration
 J= Estimated value
 Nn= Value obtained from additional analysis
 U= Analyte not detected
 ng/kg= nanograms per Kilogram
 Total PCBs were calculated by summing all PCB Congeners. Non-detects were not included in the sum.
 Qualifiers are assigned to individual congeners and are not included in the Total PCB calculated values.

**Table 3-3D Sediment Results for PCB Congeners
Reach 5
Hudson River PCB Sediments Site OU-2, New York**

Location ID	Sample Name	Sample Date	Sample Depth Interval	Parent Sample	HR17-OU2-R5-002	HR17-OU2-R5-005	HR17-OU2-R5-025	HR17-OU2-R5-053	HR17-OU2-R5-057	HR17-OU2-R5-063	HR17-OU2-R5-063	HR17-OU2-R5-071	HR17-OU2-R5-082	HR17-OU2-R5-093	HR17-OU2-R5-103
Analyte	Unit	HR17-OU2-R5-002	HR17-OU2-R5-005	HR17-OU2-R5-025	HR17-OU2-R5-053	HR17-OU2-R5-057	HR17-OU2-R5-063	HR17-OU2-R5-063	HR17-OU2-R5-071	HR17-OU2-R5-071	HR17-OU2-R5-082	HR17-OU2-R5-082	HR17-OU2-R5-093	HR17-OU2-R5-093	HR17-OU2-R5-103
Heptachlorobiphenyl; 2,2',3,4,4',5,5' (PCB 180)	ng/kg	136 C	1250 C	2370 J C	1430 C	2980 J C	1960 C	1920 C	511 C	2330 J C	4480 J C	1030 C			
Heptachlorobiphenyl; 2,2',3,4,4',5,6' (PCB 181)	ng/kg	< 3.49 U	16.5 J EMPC	35.4 J	< 6.81 U	34.4 J EMPC	20.4 J EMPC	22.8 J	7.04 J EMPC	< 3.29 UJ	51.9 J EMPC	12.4 J EMPC			
Heptachlorobiphenyl; 2,2',3,4,4',5,6' (PCB 182)	ng/kg	< 10.4 U	26.2 J	70.7 J	< 20.3 U	63.2 J	48.7	41.6	< 10.7 U	38.1 J EMPC	69.3 J	19.4 J			
Heptachlorobiphenyl; 2,2',3,4,4',5,6' (PCB 183)	ng/kg	38.9 J C	343 C	646 J C	373 C	810 J C	573 C	498 C	147 C	588 J C	1280 J C	262 C			
Heptachlorobiphenyl; 2,2',3,4,4',6,6' (PCB 184)	ng/kg	< 14.5 U	< 13.0 U	< 11.9 UJ	< 28.4 U	< 13.1 UJ	< 11.7 U	< 14.9 U	< 14.9 U	< 13.7 UJ	< 11.0 UJ	< 9.34 U			
Heptachlorobiphenyl; 2,2',3,4,5,5',6' (PCB 185)	ng/kg	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183			
Heptachlorobiphenyl; 2,2',3,4,5,6,6' (PCB 186)	ng/kg	< 7.39 U	< 6.60 U	< 6.08 UJ	< 14.4 U	< 6.66 UJ	< 5.97 U	< 7.58 U	< 7.58 U	< 6.97 UJ	< 5.59 UJ	< 4.76 U			
Heptachlorobiphenyl; 2,2',3,4',5,5',6' (PCB 187)	ng/kg	145	1540	3270 J	1490	3200 J	2550	2090	590	2200 J	4400 J	1050			
Heptachlorobiphenyl; 2,2',3,4',5,6,6' (PCB 188)	ng/kg	< 6.97 U	16.0 J	36.2 J	< 13.6 U	29.4 J	15.4 J EMPC	18.2 J EMPC	< 7.15 U	13.6 J EMPC	29.0 J	8.34 J			
Heptachlorobiphenyl; 2,3,3',4,4',5,5' (PCB 189)	ng/kg	5.28 J	43.5	87.4 J	42.4 J	94.5 J	66.7	65.5	19.7 J	68.8 J	127 J	41.8			
Heptachlorobiphenyl; 2,3,3',4,4',5,6' (PCB 190)	ng/kg	17.3 J	134	274 J	155	358 J	214	225	47.9	224 J	459 J	126			
Heptachlorobiphenyl; 2,3,3',4,4',5,6' (PCB 191)	ng/kg	< 10.4 U	19.6 J EMPC	39.7 J	24.8 J EMPC	56.5 J	32.7	33.3 J	< 10.7 U	36.3 J	76.7 J	20.1 J			
Heptachlorobiphenyl; 2,3,3',4,5,5',6' (PCB 192)	ng/kg	< 5.41 U	< 4.83 U	< 4.45 UJ	< 10.6 U	< 4.88 UJ	< 4.37 U	< 5.55 U	< 5.55 U	< 5.10 UJ	< 4.09 UJ	< 3.48 U			
Heptachlorobiphenyl; 2,3,3',4',5,5',6' (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180			
Octachlorobiphenyl; 2,2',3,3',4,4',5,5' (PCB 194)	ng/kg	27.7 J	454	787 J	476	1100 J	980	646	155	626 J	1620 J	362			
Octachlorobiphenyl; 2,2',3,3',4,4',5,6' (PCB 195)	ng/kg	12.4 J	156	286 J	131 EMPC	376 J	228	219	52.0	234 J	515 J	127			
Octachlorobiphenyl; 2,2',3,3',4,4',5,6' (PCB 196)	ng/kg	15.4 J	214	442 J	204	492 J	371	294	83.7	273 J	768 J	166			
Octachlorobiphenyl; 2,2',3,3',4,4',6,6' (PCB 197)	ng/kg	< 30.5 U C	96.7 C	209 J C	90.4 J JDC	225 J C	210 C	130 C	38.4 J C	134 J C	334 J C	68.8 C			
Octachlorobiphenyl; 2,2',3,3',4,5,5',6' (PCB 198)	ng/kg	55.3 J C	922 C	1700 J C	783 C	2250 J C	2610 C	1220 C	364 C	1040 J C	3760 J C	714 C			
Octachlorobiphenyl; 2,2',3,3',4,5,5',6' (PCB 199)	ng/kg	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198			
Octachlorobiphenyl; 2,2',3,3',4,5,6,6' (PCB 200)	ng/kg	< 30.5 C197	C197	C197	C197	C197	C197	C197	C197	C197	C197	C197			
Octachlorobiphenyl; 2,2',3,3',4,5',6,6' (PCB 201)	ng/kg	< 13.9 U	108	200 J	93.5	242 J	228	144	42.9	121 J	360 J	67.5 EMPC			
Octachlorobiphenyl; 2,2',3,3',5,5',6,6' (PCB 202)	ng/kg	20.2 J	359	689 J	268	911 J	1110	492	145	439 J	1430 J	271			
Octachlorobiphenyl; 2,2',3,4,4',5,5',6' (PCB 203)	ng/kg	29.2 J	450	818 J	355	1210 J	1840	641	195	678 J	2220 J	377			
Octachlorobiphenyl; 2,2',3,4,4',5,6,6' (PCB 204)	ng/kg	< 11.3 U	< 10.1 U	< 9.32 UJ	< 22.2 U	< 10.2 UJ	< 9.15 U	< 11.6 U	< 11.6 U	< 10.7 UJ	< 8.57 UJ	< 7.29 U			
Octachlorobiphenyl; 2,3,3',4,4',5,5',6' (PCB 205)	ng/kg	< 9.17 U	26.7 J	52.6 J	< 17.9 U	58.4 J	28.9 J EMPC	37.0 J EMPC	< 9.40 U	39.7 J	67.9 J EMPC	20.5 J EMPC			
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6' (PCB 206)	ng/kg	37.8 J	855	1290 J	558	2440 J	5050	1100	364	1120 J	4210 J	622			
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6' (PCB 207)	ng/kg	< 11.0 U	91.9	144 J	42.9 J EMPC	240 J	372	108	39.1	93.0 J	432 J	57.2			
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6' (PCB 208)	ng/kg	14.4 J	370	683 J	208	1140 J	2170	498	165	490 J	2040 J	262			
Decachlorobiphenyl (PCB 209)	ng/kg	11.0 J	309	591 J	221	926 J	1310	371	144	528 J	1490 J	242			
Total PCBs	ng/kg	749000	611000	1360000	1730000	1340000	1660000	2270000	673000	1080000	2570000	478000			

Notes:

- A= Reporting Limit based on signal to noise
 - B= Less than 10x higher than method blank level
 - C= lowest numerically designated congener in the co-elution □
 - C### = congener number for the lowest numerically designated congener in the co-elution □
 - D= Result obtained from analysis of diluted sample
 - EMPC= Estimated Maximum Possible Concentration
 - J= Estimated value
 - Nn= Value obtained from additional analysis
 - U= Analyte not detected
 - ng/kg= nanograms per Kilogram
- Total PCBs were calculated by summing all PCB Congeners. Non-detects were not included in the sum.
Qualifiers are assigned to individual congeners and are not included in the Total PCB calculated values.

**Table 3-3D Sediment Results for PCB Congeners
Reach 5
Hudson River PCB Sediments Site OU-2, New York**

Location ID	Sample Name	Sample Date	Sample Depth Interval	Parent Sample	HR17-OU2-R5-115	HR17-OU2-R5-125	HR17-OU2-R5-128	HR17-OU2-R5-136	HR17-OU2-R5-147	HR17-OU2-R5-169	HR17-OU2-R5-177	HR17-OU2-R5-188	HR17-OU2-R5-198	HR17-OU2-R5-229	HR17-OU2-R5-229
Analyte	Unit														
Heptachlorobiphenyl; 2,2',3,4,4',5,5'- (PCB 180)	ng/kg				2940 J C	3110 J C	268 C	396 C	1840 C	601 C	314 C	661 C	1040 C	4960 J C	5670 J C
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 181)	ng/kg				36.2 J	40.6 J	< 2.87 U	< 3.81 U	20.1 J	7.10 J EMPC	3.64 J	< 3.14 U	11.3 J	58.2 J	70.8 J
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg				61.6 J	69.8 J	< 8.58 U	< 11.4 U	37.3	13.1 J	6.45 J	< 9.38 U	20.8 J	73.2 J	76.4 J
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 183)	ng/kg				792 J C	849 J C	71.4 C	122 C	503 C	174 C	88.5 C	187 C	295 C	1440 J C	1680 J C
Heptachlorobiphenyl; 2,2',3,4,4',6,6'- (PCB 184)	ng/kg				< 13.8 UJ	< 16.1 UJ	< 12.0 U	< 15.9 U	< 10.7 U	< 5.16 U	< 7.27 U	< 13.1 U	< 12.5 U	< 12.7 UJ	< 12.9 UJ
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 185)	ng/kg				C183	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg				< 7.02 UJ	< 8.17 UJ	< 6.10 U	< 8.08 U	< 5.45 U	< 2.63 U	< 3.70 U	< 6.67 U	< 6.36 U	< 6.46 UJ	< 6.59 UJ
Heptachlorobiphenyl; 2,2',3,4',5,5',6'- (PCB 187)	ng/kg				3520 J	3600 J	293	375	1940	659	331	652	1170	4570 J	5100 J
Heptachlorobiphenyl; 2,2',3,4',5,6,6'- (PCB 188)	ng/kg				32.1 J	26.0 J EMPC	< 5.75 U	< 7.62 U	16.5 J	6.50 J	< 3.49 U	< 6.29 U	8.19 J	29.4 J	31.4 J
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg				88.8 J	100.0 J	8.70 J	12.2 J	61.9	20.3	10.6 J	21.2 J	36.8	152 J	176 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 190)	ng/kg				321 J	327 J	25.0 J EMPC	42.6	201	70.5	37.6	77.5	114	517 J	608 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 191)	ng/kg				57.6 J	51.8 J	< 8.61 U	< 11.4 U	30.3	10.2 J	6.26 J	14.4 J	18.7 J	90.8 J	103 J
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 192)	ng/kg				< 5.14 UJ	< 5.98 UJ	< 4.46 U	< 5.92 U	< 3.99 U	< 1.92 U	< 2.71 U	< 4.88 U	< 4.66 U	< 4.73 UJ	< 4.83 UJ
Heptachlorobiphenyl; 2,3,3',4',5,5',6'- (PCB 193)	ng/kg				C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg				1230 J	1330 J	88.0	71.4 EMPC	631	219	83.5	115	508	1130 J	1370 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 195)	ng/kg				352 J	400 J	34.8	30.3 J	231	86.5	32.1	42.1	133	485 J	541 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg				514 J	612 J	40.4	39.3 J	310	113	38.7	56.5	227	674 J	707 J
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'- (PCB 197)	ng/kg				265 J C	286 J C	< 25.1 U C	< 33.3 U C	136 C	52.3 C	16.9 J C	< 27.5 U C	105 C	294 J C	307 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 198)	ng/kg				2960 J C	2960 J C	192 C	137 C	1180 C	528 C	145 C	197 C	1320 C	2190 J C	2330 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 199)	ng/kg				C198	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg				C197	C197	< 25.1 C197	< 33.3 C197	C197	C197	C197	< 27.5 C197	C197	C197	C197
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'- (PCB 201)	ng/kg				306 J	317 J	21.7 J	15.6 J	133	55.1	16.4 J	21.8 J EMPC	129	280 J	293 J
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg				1270 J	1300 J	78.4	48.5	473	195	57.4	67.5	508	763 J	818 J
Octachlorobiphenyl; 2,2',3,4,4',5,5',6'- (PCB 203)	ng/kg				1620 J	1880 J	106	70.2	606	255	74.3	111	840	1160 J	1240 J
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg				< 10.8 UJ	< 12.5 UJ	< 9.35 U	< 12.4 U	< 8.36 U	< 4.03 U	< 5.68 U	< 10.2 U	< 9.75 U	< 9.91 UJ	< 10.1 UJ
Octachlorobiphenyl; 2,3,3',4,4',5,5',6'- (PCB 205)	ng/kg				73.9 J	60.8 J	< 7.56 U	< 10.0 U	38.2	12.4 J	5.10 J	< 8.26 U	23.5 J	79.5 J	86.8 J
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'- (PCB 206)	ng/kg				3870 J	4350 J	206	77.7	960	979	110	113	2040	1250 J	1280 J
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg				359 J	382 J	18.6 J EMPC	< 12.0 U	102	88.3	11.5 J	10.1 J EMPC	173	148 J	166 J
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg				1840 J	2030 J	78.5	34.9 J	437	405	44.1	46.3 EMPC	839	615 J	623 J
Decachlorobiphenyl (PCB 209)	ng/kg				1240 J	1350 J	58.8	27.1 J	418	351	44.5	39.1	633	399 J	726 J
Total PCBs	ng/kg				1160000	1600000	168000	2480000	834000	282000	1120000	3830000	488000	3070000	3750000

Notes:

- A= Reporting Limit based on signal to noise
 - B= Less than 10x higher than method blank level
 - C= lowest numerically designated congener in the co-elution
 - C### = congener number for the lowest numerically designated congener
 - D= Result obtained from analysis of diluted sample
 - EMPC= Estimated Maximum Possible Concentration
 - J= Estimated value
 - Nn= Value obtained from additional analysis
 - U= Analyte not detected
 - ng/kg= nanograms per Kilogram
- Total PCBs were calculated by summing all PCB Congeners. No Qualifiers are assigned to individual congeners and are not included.

**Table 3-3D Sediment Results for PCB Congeners
Reach 5
Hudson River PCB Sediments Site OU-2, New York**

Location ID	HR17-OU2-R5-236	HR17-OU2-R5-236	HR17-OU2-R5-242	HR17-OU2-R5-255	HR17-OU2-R5-OC4	HR17-OU2-R5-OC6-PC	
Sample Name	HR17-OU2-R5-236	HR17-OU2-R5-FD02	HR17-OU2-R5-242	HR17-OU2-R5-255	HR17-OU2-R5-OC4	HR17-OU2-R5-OC6-PC	
Sample Date	6/20/2017	6/20/2017	8/2/2017	7/10/2017	8/31/2017	8/31/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-6 inches	0-16.5 inches	
Parent Sample		HR17-OU2-R5-236					
Analyte	Unit						
Chlorinated Biphenyl Congers (E1668A)							
Chlorobiphenyl; 2- (PCB 1)	ng/kg	197000 J	89600 J	360000	3590 J	7190 J	8250 J
Chlorobiphenyl; 3- (PCB 2)	ng/kg	2030	958	6190	127 J	174 J	725 J
Chlorobiphenyl; 4- (PCB 3)	ng/kg	52000	22300	121000	3560 J	1720 J	4960 J
Dichlorobiphenyl; 2,2'- (PCB 4)	ng/kg	184000 J	78500 J	298000	5410 J	19100 J	72500 J
Dichlorobiphenyl; 2,3'- (PCB 5)	ng/kg	456	294	1760	19.3 J EMPC	11.4 J EMPC	458 J
Dichlorobiphenyl; 2,3'- (PCB 6)	ng/kg	37700	15300	169000	2550 J	1470 J	16100 J
Dichlorobiphenyl; 2,4'- (PCB 7)	ng/kg	1490	931	8130	189 J	71.0 J	1860 J
Dichlorobiphenyl; 2,4'- (PCB 8)	ng/kg	118000	50100	499000	7000 J	4880 J	42100 J
Dichlorobiphenyl; 2,5'- (PCB 9)	ng/kg	5750	2490	19600	356 J	419 J	3580 J
Dichlorobiphenyl; 2,6'- (PCB 10)	ng/kg	32100	14900	61900	883 J	4460 J	7410 J
Dichlorobiphenyl; 3,3'- (PCB 11)	ng/kg	4620	2080	18000	< 48.8 UJ	545 J	1960 J
Dichlorobiphenyl; 3,4'- (PCB 12)	ng/kg	25300 C	11800 C	102000 C	1290 J C	1250 J C	10500 J C
Dichlorobiphenyl; 3,4'- (PCB 13)	ng/kg	C12	C12	C12	C12	C12	C12
Dichlorobiphenyl; 3,5'- (PCB 14)	ng/kg	84.8	30.1 J	137 J	< 7.37 UJ	16.7 J	44.1 J
Dichlorobiphenyl; 4,4'- (PCB 15)	ng/kg	142000 J	76400 J	571000	16600 J	7250 J	72600 J
Trichlorobiphenyl; 2,2',3'- (PCB 16)	ng/kg	5440	2940	19700	609 J	436 J	25500 J
Trichlorobiphenyl; 2,2',4'- (PCB 17)	ng/kg	19300	11300	85800	3000 J	4120 J	53300 J
Trichlorobiphenyl; 2,2',5'- (PCB 18)	ng/kg	7070 C	4130 C	60900 C	1730 J C	1130 J C	20200 J C
Trichlorobiphenyl; 2,2',6'- (PCB 19)	ng/kg	39300	16200	82100	2180 J	12100 J	29400 J
Trichlorobiphenyl; 2,3,3'- (PCB 20)	ng/kg	57500 C	39300 C	379000 C	5840 J C	5770 J C	122000 J C
Trichlorobiphenyl; 2,3,4'- (PCB 21)	ng/kg	7810 C	4350 C	43300 C	1030 J C	708 J C	30000 J C
Trichlorobiphenyl; 2,3,4'- (PCB 22)	ng/kg	16200	10300	100000	1330 J	1240 J	31600 J
Trichlorobiphenyl; 2,3,5'- (PCB 23)	ng/kg	160	87.5	529	10.5 J	31.7 J	118 J
Trichlorobiphenyl; 2,3,6'- (PCB 24)	ng/kg	1050	497	3600	63.1 J	164 J	1400 J
Trichlorobiphenyl; 2,3',4'- (PCB 25)	ng/kg	13800	7250	76400	1380 J	1350 J	14600 J
Trichlorobiphenyl; 2,3',5'- (PCB 26)	ng/kg	30300 C	15900 C	132000 C	2620 J C	4640 J C	31600 J C
Trichlorobiphenyl; 2,3',6'- (PCB 27)	ng/kg	26000	11900	70300	1540 J	6440 J	14100 J
Trichlorobiphenyl; 2,4,4'- (PCB 28)	ng/kg	C20	C20	C20	C20	C20	C20
Trichlorobiphenyl; 2,4,5'- (PCB 29)	ng/kg	C26	C26	C26	C26	C26	C26
Trichlorobiphenyl; 2,4,6'- (PCB 30)	ng/kg	C18	C18	C18	C18	C18	C18
Trichlorobiphenyl; 2,4',5'- (PCB 31)	ng/kg	67600	36000	352000	6590 J	10300 J	101000 J
Trichlorobiphenyl; 2,4',6'- (PCB 32)	ng/kg	20300	12900	122000	2080 J	3820 J	29300 J
Trichlorobiphenyl; 2',3,4'- (PCB 33)	ng/kg	C21	C21	C21	C21	C21	C21
Trichlorobiphenyl; 2',3,5'- (PCB 34)	ng/kg	1610	739	4780	168 J	398 J	1340 J
Trichlorobiphenyl; 3,3',4'- (PCB 35)	ng/kg	1470	754	6930	74.0 J	85.5 J	1090 J
Trichlorobiphenyl; 3,3',5'- (PCB 36)	ng/kg	174	76.1	140 J EMPC	< 7.01 UJ	41.9 J	1160 J
Trichlorobiphenyl; 3,4,4'- (PCB 37)	ng/kg	33900	19600	176000	2910 J	2360 J	29100 J
Trichlorobiphenyl; 3,4,5'- (PCB 38)	ng/kg	40.4	27.7 J	< 10.2 U	< 3.66 UJ	< 2.68 UJ	< 10.0 UJ
Trichlorobiphenyl; 3,4',5'- (PCB 39)	ng/kg	912	411	2010	45.5 J	137 J	578 J
Tetrachlorobiphenyl; 2,2',3,3'- (PCB 40)	ng/kg	9450 C	8540 C	42600 C	2440 J C	2670 J C	32500 J C
Tetrachlorobiphenyl; 2,2',3,4'- (PCB 41)	ng/kg	C40	C40	C40	C40	C40	C40
Tetrachlorobiphenyl; 2,2',3,4'- (PCB 42)	ng/kg	5230	4430	22700	1180 J	1370 J	19000 J
Tetrachlorobiphenyl; 2,2',3,5'- (PCB 43)	ng/kg	1690 C	1200 C	3200 C	190 J C	613 J C	2600 J C
Tetrachlorobiphenyl; 2,2',3,5'- (PCB 44)	ng/kg	22000 C	18900 C	81800 C	5520 J C	7840 J C	65500 J C
Tetrachlorobiphenyl; 2,2',3,6'- (PCB 45)	ng/kg	4790 C	3780 C	16000 C	922 J C	2020 J C	14800 J C
Tetrachlorobiphenyl; 2,2',3,6'- (PCB 46)	ng/kg	895	795	3340	241 J	350 J	4030 J
Tetrachlorobiphenyl; 2,2',4,4'- (PCB 47)	ng/kg	C44	C44	C44	C44	C44	C44
Tetrachlorobiphenyl; 2,2',4,5'- (PCB 48)	ng/kg	1840	1730	9790	330 J	483 J	10400 J
Tetrachlorobiphenyl; 2,2',4,5'- (PCB 49)	ng/kg	19300 C	15700 C	67600 C	5980 J C	7680 J C	51100 J C
Tetrachlorobiphenyl; 2,2',4,6'- (PCB 50)	ng/kg	8450 C	5610 C	19100 C	1490 J C	3930 J C	13700 J C
Tetrachlorobiphenyl; 2,2',4,6'- (PCB 51)	ng/kg	C45	C45	C45	C45	C45	C45
Tetrachlorobiphenyl; 2,2',5,5'- (PCB 52)	ng/kg	26100	21100	93100	6850 J	10900 J	65300 J
Tetrachlorobiphenyl; 2,2',5,6'- (PCB 53)	ng/kg	C50	C50	C50	C50	C50	C50
Tetrachlorobiphenyl; 2,2',6,6'- (PCB 54)	ng/kg	717	439	964	84.0 J	408 J	720 J
Tetrachlorobiphenyl; 2,3,3',4'- (PCB 55)	ng/kg	385	346	1750	< 9.69 UJ	33.4 J EMPC	< 26.6 UJ
Tetrachlorobiphenyl; 2,3,3',4'- (PCB 56)	ng/kg	7130	6150	33500	934 J	1030 J	17200 J
Tetrachlorobiphenyl; 2,3,3',5'- (PCB 57)	ng/kg	768	447	2160	50.6 J	96.0 J	714 J
Tetrachlorobiphenyl; 2,3,3',5'- (PCB 58)	ng/kg	86.2	68.8	234	20.0 J	21.6 J	262 J
Tetrachlorobiphenyl; 2,3,3',6'- (PCB 59)	ng/kg	3330 C	2340 C	11600 C	454 J C	790 J C	7050 J C

Table 3-3D Sediment Results for PCB Congeners

Reach 5

Hudson River PCB Sediments Site OU-2, New York

Analyte	Unit	Location ID	HR17-OU2-R5-236	HR17-OU2-R5-236	HR17-OU2-R5-242	HR17-OU2-R5-255	HR17-OU2-R5-OC4	HR17-OU2-R5-OC6-PC
		Sample Name	HR17-OU2-R5-236	HR17-OU2-R5-FD02	HR17-OU2-R5-242	HR17-OU2-R5-255	HR17-OU2-R5-OC4	HR17-OU2-R5-OC6-PC
		Sample Date	6/20/2017	6/20/2017	8/2/2017	7/10/2017	8/31/2017	8/31/2017
		Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-6 inches	0-16.5 inches
		Parent Sample		HR17-OU2-R5-236				
Tetrachlorobiphenyl; 2,3,4,4'- (PCB 60)	ng/kg		4890	4090	22300	353 J	518 J	3810 J
Tetrachlorobiphenyl; 2,3,4,5- (PCB 61)	ng/kg		29000 C	25100 C	134000 C	3950 J C	4650 J C	65000 J C
Tetrachlorobiphenyl; 2,3,4,6- (PCB 62)	ng/kg		C59	C59	C59	C59	C59	C59
Tetrachlorobiphenyl; 2,3,4',5- (PCB 63)	ng/kg		2740	1700	8080	290 J	465 J	3460 J
Tetrachlorobiphenyl; 2,3,4',6- (PCB 64)	ng/kg		10500	8040	45900	2130 J	2700 J	31000 J
Tetrachlorobiphenyl; 2,3,5,6- (PCB 65)	ng/kg		C44	C44	C44	C44	C44	C44
Tetrachlorobiphenyl; 2,3',4,4'- (PCB 66)	ng/kg		18800	16200	78900	2910 J	2790 J	40500 J
Tetrachlorobiphenyl; 2,3',4,5- (PCB 67)	ng/kg		966	822	4390	93.7 J	131 J	1620 J
Tetrachlorobiphenyl; 2,3',4,5'- (PCB 68)	ng/kg		944	592	1810	170 J	293 J	805 J
Tetrachlorobiphenyl; 2,3',4,6- (PCB 69)	ng/kg		C49	C49	C49	C49	C49	C49
Tetrachlorobiphenyl; 2,3',4',5- (PCB 70)	ng/kg		C61	C61	C61	C61	C61	C61
Tetrachlorobiphenyl; 2,3',4',6- (PCB 71)	ng/kg		C40	C40	C40	C40	C40	C40
Tetrachlorobiphenyl; 2,3',5,5'- (PCB 72)	ng/kg		1470	901	2770	197 J	498 J	1210 J
Tetrachlorobiphenyl; 2,3',5,6- (PCB 73)	ng/kg		C43	C43	C43	C43	C43	C43
Tetrachlorobiphenyl; 2,4,4',5- (PCB 74)	ng/kg		C61	C61	C61	C61	C61	C61
Tetrachlorobiphenyl; 2,4,4',6- (PCB 75)	ng/kg		C59	C59	C59	C59	C59	C59
Tetrachlorobiphenyl; 2',3,4,5- (PCB 76)	ng/kg		C61	C61	C61	C61	C61	C61
Tetrachlorobiphenyl; 3,3',4,4'- (PCB 77)	ng/kg		7620	4340	25100	462 J	543 J	4830 J
Tetrachlorobiphenyl; 3,3',4,5- (PCB 78)	ng/kg		10.0 J	7.94 J	39.6 J	< 10.2 UJ	< 7.47 UJ	< 28.0 UJ
Tetrachlorobiphenyl; 3,3',4,5'- (PCB 79)	ng/kg		99.9	102	220	15.8 J	26.7 J	214 J
Tetrachlorobiphenyl; 3,3',5,5'- (PCB 80)	ng/kg		6.63 J	< 5.56 U	< 22.5 U	21.6 J	< 5.91 UJ	< 22.1 UJ
Tetrachlorobiphenyl; 3,4,4',5- (PCB 81)	ng/kg		258	163	986	< 12.8 UJ	20.5 J	97.4 J
Pentachlorobiphenyl; 2,2',3,3',4- (PCB 82)	ng/kg		938	1070	3180	173 J	369 J	2500 J
Pentachlorobiphenyl; 2,2',3,3',5- (PCB 83)	ng/kg		614	657	1610	127 J	257 J	1660 J
Pentachlorobiphenyl; 2,2',3,3',6- (PCB 84)	ng/kg		2190	2360	6080	771 J	1210 J	7400 J
Pentachlorobiphenyl; 2,2',3,4,4'- (PCB 85)	ng/kg		2220 C	2160 C	5770 C	478 J C	850 J C	4260 J C
Pentachlorobiphenyl; 2,2',3,4,5- (PCB 86)	ng/kg		4180 C	5400 C	13100 C	982 J C	2000 J C	11600 J C
Pentachlorobiphenyl; 2,2',3,4,5'- (PCB 87)	ng/kg		C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 2,2',3,4,6- (PCB 88)	ng/kg		2060 C	2020 C	4890 C	752 J C	1120 J C	5320 J C
Pentachlorobiphenyl; 2,2',3,4,6'- (PCB 89)	ng/kg		127	121	360	13.7 J	36.1 J	545 J
Pentachlorobiphenyl; 2,2',3,4',5- (PCB 90)	ng/kg		5920 C	7910 C	17200 C	1770 J C	2990 J C	17500 J C
Pentachlorobiphenyl; 2,2',3,4',6- (PCB 91)	ng/kg		C88	C88	C88	C88	C88	C88
Pentachlorobiphenyl; 2,2',3,5,5'- (PCB 92)	ng/kg		2680	2580	5560	710 J	1130 J	5430 J
Pentachlorobiphenyl; 2,2',3,5,6- (PCB 93)	ng/kg		1130 C	1100 C	2540 C	399 J C	642 J C	2670 J C
Pentachlorobiphenyl; 2,2',3,5,6'- (PCB 94)	ng/kg		430	355	622	78.3 J	194 J	561 J
Pentachlorobiphenyl; 2,2',3,5',6- (PCB 95)	ng/kg		5730	6370	13700	1780 J	3050 J	17200 J
Pentachlorobiphenyl; 2,2',3,6,6'- (PCB 96)	ng/kg		205	173	320	52.6 J	111 J	460 J
Pentachlorobiphenyl; 2,2',3',4,5- (PCB 97)	ng/kg		C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 2,2',3',4,6- (PCB 98)	ng/kg		C93	C93	C93	C93	C93	C93
Pentachlorobiphenyl; 2,2',4,4',5- (PCB 99)	ng/kg		3850	4480	10800	1340 J	1800 J	9720 J
Pentachlorobiphenyl; 2,2',4,4',6- (PCB 100)	ng/kg		C93	C93	C93	C93	C93	C93
Pentachlorobiphenyl; 2,2',4,5,5'- (PCB 101)	ng/kg		C90	C90	C90	C90	C90	C90
Pentachlorobiphenyl; 2,2',4,5,6'- (PCB 102)	ng/kg		C93	C93	C93	C93	C93	C93
Pentachlorobiphenyl; 2,2',4,5',6- (PCB 103)	ng/kg		239	230	377	93.3 J	136 J	430 J
Pentachlorobiphenyl; 2,2',4,6,6'- (PCB 104)	ng/kg		24.7 J	21.6 J EMPC	< 52.8 U	< 19.0 UJ	< 13.9 UJ	< 52.0 UJ
Pentachlorobiphenyl; 2,3,3',4,4'- (PCB 105)	ng/kg		4660	4820	14700	569 J	1370 J	5640 J
Pentachlorobiphenyl; 2,3,3',4,5- (PCB 106)	ng/kg		18.8 J	23.2 J	62.5 J	< 8.44 UJ	< 6.18 UJ	< 23.1 UJ
Pentachlorobiphenyl; 2,3,3',4',5- (PCB 107)	ng/kg		267 C	344 C	934 C	32.5 J EMPCJC	106 J C	378 J C
Pentachlorobiphenyl; 2,3,3',4,5'- (PCB 108)	ng/kg		C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 2,3,3',4,6- (PCB 109)	ng/kg		742	764	2190	163 J	280 J	1460 J
Pentachlorobiphenyl; 2,3,3',4,6'- (PCB 110)	ng/kg		10200 C	12100 C	31300 C	2430 J C	4110 J C	22500 J C
Pentachlorobiphenyl; 2,3,3',5,5'- (PCB 111)	ng/kg		30.4 J	24.9 J	42.9 J EMPC	< 9.04 UJ	13.0 J	40.5 J
Pentachlorobiphenyl; 2,3,3',5,6- (PCB 112)	ng/kg		293	182	293	40.4 J	59.3 J	531 J
Pentachlorobiphenyl; 2,3,3',5',6- (PCB 113)	ng/kg		C90	C90	C90	C90	C90	C90
Pentachlorobiphenyl; 2,3,4,4',5- (PCB 114)	ng/kg		372	358	1230	42.3 J	83.5 J	366 J
Pentachlorobiphenyl; 2,3,4,4',6- (PCB 115)	ng/kg		C110	C110	C110	C110	C110	C110
Pentachlorobiphenyl; 2,3,4,5,6- (PCB 116)	ng/kg		C85	C85	C85	C85	C85	C85
Pentachlorobiphenyl; 2,3,4',5,6- (PCB 117)	ng/kg		C85	C85	C85	C85	C85	C85
Pentachlorobiphenyl; 2,3',4,4',5- (PCB 118)	ng/kg		8890	10400	29400	1820 J	3050 J	15800 J
Pentachlorobiphenyl; 2,3',4,4',6- (PCB 119)	ng/kg		C86	C86	C86	C86	C86	C86

Table 3-3D Sediment Results for PCB Congeners

Reach 5

Hudson River PCB Sediments Site OU-2, New York

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample	HR17-OU2-R5-236 HR17-OU2-R5-236 6/20/2017 0-2 inches	HR17-OU2-R5-236 HR17-OU2-R5-FD02 6/20/2017 0-2 inches HR17-OU2-R5-236	HR17-OU2-R5-242 HR17-OU2-R5-242 8/2/2017 0-2 inches	HR17-OU2-R5-255 HR17-OU2-R5-255 7/10/2017 0-2 inches	HR17-OU2-R5-OC4 HR17-OU2-R5-OC4 8/31/2017 0-6 inches	HR17-OU2-R5-OC6-PC HR17-OU2-R5-OC6-PC 8/31/2017 0-16.5 inches
Analyte	Unit					
Pentachlorobiphenyl; 2,3',4,5,5'- (PCB 120)	ng/kg	76.3	62.2	144 J	21.9 J	27.1 J
Pentachlorobiphenyl; 2,3',4,5',6- (PCB 121)	ng/kg	17.9 J	12.7 J EMPC	< 34.2 U	< 12.3 UJ	< 33.7 UJ
Pentachlorobiphenyl; 2,3,3',4,5- (PCB 122)	ng/kg	129	136	439	14.9 J EMPC	34.4 J
Pentachlorobiphenyl; 2,3,4,4',5- (PCB 123)	ng/kg	207	238	665	36.8 J	65.1 J
Pentachlorobiphenyl; 2',3,4,5,5'- (PCB 124)	ng/kg	C107	C107	C107	32.5 J C107	C107
Pentachlorobiphenyl; 2',3,4,5,6'- (PCB 125)	ng/kg	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 3,3',4,4',5- (PCB 126)	ng/kg	76.6	43.4	195	< 7.74 UJ	18.3 J
Pentachlorobiphenyl; 3,3',4,5,5'- (PCB 127)	ng/kg	< 5.84 U	9.76 J	< 23.8 U	< 8.54 UJ	< 6.25 UJ
Hexachlorobiphenyl; 2,2',3,3',4,4'- (PCB 128)	ng/kg	623 C	889 C	1660 C	251 J C	610 J C
Hexachlorobiphenyl; 2,2',3,3',4,5'- (PCB 129)	ng/kg	4730 C	6320 C	11200 C	1580 J C	3890 J C
Hexachlorobiphenyl; 2,2',3,3',4,5'- (PCB 130)	ng/kg	309	426	713	125 J	259 J
Hexachlorobiphenyl; 2,2',3,3',4,6'- (PCB 131)	ng/kg	42.5	81.3	133 J	< 19.4 UJ	48.7 J
Hexachlorobiphenyl; 2,2',3,3',4,6'- (PCB 132)	ng/kg	1200	1680	2910	405 J	1060 J
Hexachlorobiphenyl; 2,2',3,3',5,5'- (PCB 133)	ng/kg	209	212	273	69.6 J	123 J
Hexachlorobiphenyl; 2,2',3,3',5,6'- (PCB 134)	ng/kg	339 C	428 C	606 C	107 J C	237 J C
Hexachlorobiphenyl; 2,2',3,3',5,6'- (PCB 135)	ng/kg	1830 C	2030 C	3060 C	620 J C	1220 J C
Hexachlorobiphenyl; 2,2',3,3',6,6'- (PCB 136)	ng/kg	512	603	815	217 J	451 J
Hexachlorobiphenyl; 2,2',3,4,4',5- (PCB 137)	ng/kg	234	314	558	54.5 J	194 J
Hexachlorobiphenyl; 2,2',3,4,4',5'- (PCB 138)	ng/kg	C129	C129	C129	C129	C129
Hexachlorobiphenyl; 2,2',3,4,4',6'- (PCB 139)	ng/kg	79.8 C	115 C	181 J JDC	26.7 J EMPC/JC	74.0 J C
Hexachlorobiphenyl; 2,2',3,4,4',6'- (PCB 140)	ng/kg	C139	C139	C139	26.7 J C139	C139
Hexachlorobiphenyl; 2,2',3,4,5,5'- (PCB 141)	ng/kg	455	745	1160	100 J	447 J
Hexachlorobiphenyl; 2,2',3,4,5,6'- (PCB 142)	ng/kg	< 4.51 U	< 4.54 U	< 18.3 U	< 6.60 UJ	< 4.83 UJ
Hexachlorobiphenyl; 2,2',3,4,5,6'- (PCB 143)	ng/kg	C134	C134	C134	C134	C134
Hexachlorobiphenyl; 2,2',3,4,5,6'- (PCB 144)	ng/kg	87.4	154	242	< 40.2 UJ	100.0 J
Hexachlorobiphenyl; 2,2',3,4,6,6'- (PCB 145)	ng/kg	< 11.0 U	< 11.1 U	< 44.9 U	< 16.2 UJ	< 11.8 UJ
Hexachlorobiphenyl; 2,2',3,4',5,5'- (PCB 146)	ng/kg	723	850	1450	286 J	552 J
Hexachlorobiphenyl; 2,2',3,4',5,6'- (PCB 147)	ng/kg	2630 C	3600 C	5960 C	1110 J C	2400 J C
Hexachlorobiphenyl; 2,2',3,4',5,6'- (PCB 148)	ng/kg	27.8 J	29.0 J	< 83.7 U	< 30.1 UJ	< 22.0 UJ
Hexachlorobiphenyl; 2,2',3,4',5,6'- (PCB 149)	ng/kg	C147	C147	C147	C147	C147
Hexachlorobiphenyl; 2,2',3,4',6,6'- (PCB 150)	ng/kg	16.9 J	13.6 J EMPC	< 52.8 U	< 19.0 UJ	14.1 J
Hexachlorobiphenyl; 2,2',3,5,5',6'- (PCB 151)	ng/kg	C135	C135	C135	C135	C135
Hexachlorobiphenyl; 2,2',3,5,6,6'- (PCB 152)	ng/kg	25.0 J	24.3 J	< 57.4 U	< 20.6 UJ	< 15.1 UJ
Hexachlorobiphenyl; 2,2',4,4',5,5'- (PCB 153)	ng/kg	2570 C	3600 C	6020 C	1020 J C	2270 J C
Hexachlorobiphenyl; 2,2',4,4',5,6'- (PCB 154)	ng/kg	133	128	205	63.8 J	97.7 J
Hexachlorobiphenyl; 2,2',4,4',6,6'- (PCB 155)	ng/kg	< 8.53 U	< 8.57 U	< 34.7 U	< 12.5 UJ	< 9.12 UJ
Hexachlorobiphenyl; 2,3,3',4,4',5- (PCB 156)	ng/kg	795 C	1020 C	2060 C	153 J C	441 J C
Hexachlorobiphenyl; 2,3,3',4,4',5'- (PCB 157)	ng/kg	C156	C156	C156	C156	C156
Hexachlorobiphenyl; 2,3,3',4,4',6'- (PCB 158)	ng/kg	352	536	967	78.0 J	304 J
Hexachlorobiphenyl; 2,3,3',4,5,5'- (PCB 159)	ng/kg	< 10.6 U	25.2 J	< 43.2 U	< 15.5 UJ	< 11.4 UJ
Hexachlorobiphenyl; 2,3,3',4,5,6'- (PCB 160)	ng/kg	< 9.08 U	< 9.13 U	< 36.9 U	< 13.3 UJ	< 9.71 UJ
Hexachlorobiphenyl; 2,3,3',4,5',6- (PCB 161)	ng/kg	< 7.00 U	< 7.04 U	< 28.4 U	< 10.2 UJ	< 7.49 UJ
Hexachlorobiphenyl; 2,3,3',4,5,5'- (PCB 162)	ng/kg	17.0 J	21.4 J	36.8 J EMPC	< 9.95 UJ	15.0 J EMPC
Hexachlorobiphenyl; 2,3,3',4',5,6'- (PCB 163)	ng/kg	C129	C129	C129	C129	C129
Hexachlorobiphenyl; 2,3,3',4',5,6'- (PCB 164)	ng/kg	244	362	639	91.4 J	219 J
Hexachlorobiphenyl; 2,3,3',5,5',6- (PCB 165)	ng/kg	41.5	36.5	35.6 J	< 12.6 UJ	16.8 J
Hexachlorobiphenyl; 2,3,4,4',5,6'- (PCB 166)	ng/kg	C128	C128	C128	C128	C128
Hexachlorobiphenyl; 2,3',4,4',5,5'- (PCB 167)	ng/kg	230	285	543	51.8 J	149 J
Hexachlorobiphenyl; 2,3',4,4',5,6'- (PCB 168)	ng/kg	C153	C153	C153	C153	C153
Hexachlorobiphenyl; 3,3',4,4',5,5'- (PCB 169)	ng/kg	< 8.79 U	< 8.84 U	< 35.7 U	< 12.9 UJ	< 9.41 UJ
Heptachlorobiphenyl; 2,2',3,3',4,4',5- (PCB 170)	ng/kg	476	609	981	191 J	366 J
Heptachlorobiphenyl; 2,2',3,3',4,4',6- (PCB 171)	ng/kg	140 C	184 C	288 J JDC	62.9 J C	151 J C
Heptachlorobiphenyl; 2,2',3,3',4,5,5'- (PCB 172)	ng/kg	101	118	155 EMPC	40.2 J EMPC	88.7 J
Heptachlorobiphenyl; 2,2',3,3',4,5,6'- (PCB 173)	ng/kg	C171	C171	C171	C171	C171
Heptachlorobiphenyl; 2,2',3,3',4,5,6'- (PCB 174)	ng/kg	415	531	819	187 J	434 J
Heptachlorobiphenyl; 2,2',3,3',4,5',6- (PCB 175)	ng/kg	18.9 J	23.0 J EMPC	37.2 J	< 10.2 UJ	21.7 J EMPC
Heptachlorobiphenyl; 2,2',3,3',4,6,6'- (PCB 176)	ng/kg	59.4	69.7	84.8 J	30.7 J	61.3 J
Heptachlorobiphenyl; 2,2',3,3',4,5,6'- (PCB 177)	ng/kg	368	443	654	162 J	311 J
Heptachlorobiphenyl; 2,2',3,3',5,5',6- (PCB 178)	ng/kg	292	307	317	120 J	206 J
Heptachlorobiphenyl; 2,2',3,3',5,6,6'- (PCB 179)	ng/kg	270	307	362	109 J	210 J

**Table 3-3D Sediment Results for PCB Congeners
Reach 5
Hudson River PCB Sediments Site OU-2, New York**

Location ID		HR17-OU2-R5-236	HR17-OU2-R5-236	HR17-OU2-R5-242	HR17-OU2-R5-255	HR17-OU2-R5-OC4	HR17-OU2-R5-OC6-PC
Sample Name		HR17-OU2-R5-236	HR17-OU2-R5-FD02	HR17-OU2-R5-242	HR17-OU2-R5-255	HR17-OU2-R5-OC4	HR17-OU2-R5-OC6-PC
Sample Date		6/20/2017	6/20/2017	8/2/2017	7/10/2017	8/31/2017	8/31/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-6 inches	0-16.5 inches
Parent Sample			HR17-OU2-R5-236				
Analyte	Unit						
Heptachlorobiphenyl; 2,2',3,4,4',5,5'- (PCB 180)	ng/kg	913 C	1130 C	1790 C	384 J C	857 J C	3800 J C
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 181)	ng/kg	11.5 J	13.8 J	24.4 J	< 4.75 UJ	8.28 J EMPC	28.6 J
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg	12.9 J	13.1 J	< 39.4 U	< 14.2 UJ	< 10.4 UJ	< 38.9 UJ
Heptachlorobiphenyl; 2,2',3,4,4',5',6'- (PCB 183)	ng/kg	247 C	331 C	494 C	119 J C	252 J C	1140 J C
Heptachlorobiphenyl; 2,2',3,4,4',6,6'- (PCB 184)	ng/kg	< 13.5 U	< 13.6 U	< 55.0 U	< 19.8 UJ	< 14.5 UJ	< 54.2 UJ
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 185)	ng/kg	C183	C183	C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg	< 6.89 U	< 6.93 U	< 28.0 U	< 10.1 UJ	< 7.37 UJ	< 27.6 UJ
Heptachlorobiphenyl; 2,2',3,4',5,5',6'- (PCB 187)	ng/kg	773	835	1250	415 J	713 J	2530 J
Heptachlorobiphenyl; 2,2',3,4',5,6,6'- (PCB 188)	ng/kg	< 6.50 U	< 6.54 U	< 26.4 U	< 9.50 UJ	< 6.96 UJ	< 26.1 UJ
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg	36.1	38.8	63.5 J	7.55 J EMPC	25.4 J	88.0 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 190)	ng/kg	110	140	237	35.0 J	81.6 J	414 J
Heptachlorobiphenyl; 2,3,3',4,4',5',6'- (PCB 191)	ng/kg	16.5 J EMPC	24.0 J	< 39.6 U	< 14.2 UJ	17.5 J	72.0 J
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 192)	ng/kg	< 5.04 U	< 5.07 U	< 20.5 U	< 7.37 UJ	< 5.40 UJ	< 20.2 UJ
Heptachlorobiphenyl; 2,3,3',4',5,5',6'- (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg	224	243	311	91.1 J	156 J	966 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 195)	ng/kg	85.4	94.8	123 J	25.5 J EMPC	58.7 J EMPC	359 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg	107	116	140 J	48.3 J	90.9 J	523 J
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'- (PCB 197)	ng/kg	44.3 J JDC	47.0 J JDC	< 116 U C	< 41.5 UJ C	45.0 J C	184 J JDC
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 198)	ng/kg	336 C	360 C	446 C	164 J C	323 J C	1330 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 199)	ng/kg	C198	C198	C198	C198	C198	C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg	C197	C197	< 116 C197	< 41.5 J C197	C197	C197
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'- (PCB 201)	ng/kg	38.9	43.3	< 52.6 U	21.5 J	37.8 J	170 J
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg	116	122	107 J	54.4 J	97.4 J	331 J
Octachlorobiphenyl; 2,2',3,4,4',5,5',6'- (PCB 203)	ng/kg	193	201	225 EMPC	82.3 J	162 J	744 J
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg	< 10.6 U	< 10.6 U	< 43.0 U	< 15.5 UJ	< 11.3 UJ	< 42.4 UJ
Octachlorobiphenyl; 2,3,3',4,4',5,5',6'- (PCB 205)	ng/kg	13.2 J EMPC	16.6 J EMPC	< 34.7 U	< 12.5 UJ	< 9.14 UJ	62.2 J
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'- (PCB 206)	ng/kg	253	248	210	111 J EMPC	434 J	885 J
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg	23.8 J	23.9 J	< 41.6 U	15.4 J EMPC	< 10.9 UJ	87.2 J
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg	101	89.8	86.9 J EMPC	50.3 J	170 J	333 J
Decachlorobiphenyl (PCB 209)	ng/kg	81.1	96.6	58.9 J EMPC	33.8 J EMPC	405 J	577 J
Total PCBs	ng/kg	1420000	812000	4910000	136000	203000	1440000

Notes:

- A= Reporting Limit based on signal to noise
- B= Less than 10x higher than method blank level
- C= lowest numerically designated congener in the co-elution □
- C### = congener number for the lowest numerically designated c
- D= Result obtained from analysis of diluted sample
- EMPC= Estimated Maximum Possible Concentration
- J= Estimated value
- Nn= Value obtained from additional analysis
- U= Analyte not detected
- ng/kg= nanograms per Kilogram
- Total PCBs were calculated by summing all PCB Congeners. No
- Qualifiers are assigned to individual congeners and are not inclu

Table 3-3E Sediment Results for PCB Congeners
Reach 4
Hudson River PCB Sediments Site OU-2, New York

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample	HR17-OU2-R4-029 HR17-OU2-R4-029 8/9/2017 0-2 inches	HR17-OU2-R4-044 HR17-OU2-R4-044 8/1/2017 0-2 inches	HR17-OU2-R4-068 HR17-OU2-R4-068 7/31/2017 0-2 inches	HR17-OU2-R4-074 HR17-OU2-R4-074 8/7/2017 0-2 inches	HR17-OU2-R4-090 HR17-OU2-R4-090 8/3/2017 0-2 inches	HR17-OU2-R4-095 HR17-OU2-R4-095 8/9/2017 0-2 inches	HR17-OU2-R4-099 HR17-OU2-R4-099 8/4/2017 0-2 inches	HR17-OU2-R4-103 HR17-OU2-R4-103 8/8/2017 0-2 inches	HR17-OU2-R4-119 HR17-OU2-R4-119 8/8/2017 0-2 inches	HR17-OU2-R4-126 HR17-OU2-R4-126 8/5/2017 0-2 inches	HR17-OU2-R4-131 HR17-OU2-R4-131 8/11/2017 0-2 inches	HR17-OU2-R4-157 HR17-OU2-R4-157 8/8/2017 0-2 inches	
Analyte	Unit												
Heptachlorobiphenyl; 2,2',3,4,4',5,5'- (PCB 180)	ng/kg	631 C	195 C	1960 C	666 C	1380 C	2100 C	1110 C	511 J C	1330 C	1660 C	2430 C	556 J C
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 181)	ng/kg	6.12 J EMPC	< 3.30 U	25.2 J	9.92 J	17.0 J	27.2 J	< 10.8 U	5.67 J	13.3 J EMPC	23.5 J	28.4 J	7.40 J
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg	9.47 J	< 9.85 U	37.7	10.4 J	29.9 J	45.6	< 32.2 U	< 7.46 UJ	26.5	36.6	35.1	< 8.82 UJ
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 183)	ng/kg	177 C	51.0 J C	541 C	182 C	383 C	571 C	311 C	142 J C	386 C	490 C	682 C	148 J C
Heptachlorobiphenyl; 2,2',3,4,4',6,6'- (PCB 184)	ng/kg	< 12.8 U	< 13.7 U	< 12.8 U	< 11.8 U	< 13.4 U	< 15.2 U	< 44.9 U	< 10.4 UJ	< 10.1 U	< 12.2 U	< 11.5 U	< 12.3 UJ
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 185)	ng/kg	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg	< 6.54 U	< 7.00 U	< 6.51 U	< 6.00 U	< 6.84 U	< 7.73 U	< 22.9 U	< 5.30 UJ	< 5.13 U	< 6.23 U	< 5.85 U	< 6.27 UJ
Heptachlorobiphenyl; 2,2',3,4',5,5',6'- (PCB 187)	ng/kg	641	218	2170	652	1560	2320	1070	433 J	1440	1840	2220	461 J
Heptachlorobiphenyl; 2,2',3,4',5,6,6'- (PCB 188)	ng/kg	< 6.16 U	< 6.60 U	17.8 J	< 5.66 U	13.9 J	19.9 J EMPC	< 21.6 U	< 5.00 UJ	11.2 J	17.6 J	17.1 J	< 5.92 UJ
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg	19.2 J	7.63 J	57.2	21.7 J	44.4	71.5	36.2 J	11.9 J EMPC	39.0	44.6	77.6	12.6 J EMPC
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 190)	ng/kg	74.5	21.5 J	216	79.3	160	237	135	52.5 J	144	178	298	59.8 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 191)	ng/kg	11.4 J	< 9.89 U	34.9	9.61 J	26.3 J	37.5 J	< 32.3 U	8.16 J	25.5 J	31.4 J	46.3	8.95 J
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 192)	ng/kg	< 4.78 U	< 5.12 U	< 4.77 U	< 4.39 U	< 5.01 U	< 5.66 U	< 16.8 U	< 3.88 UJ	< 3.75 U	< 4.56 U	< 4.28 U	< 4.59 UJ
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg	162	55.7	661	181	405	739	268	153 J	323	420	689	166 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 195)	ng/kg	55.6	21.1 J EMPC	213	67.2	147	224	95.6 J	53.3 J	118	156	253	59.0 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg	81.7	25.5 J	320	90.4	207	351	132	83.3 J	171	226	334	86.1 J
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'- (PCB 197)	ng/kg	36.0 J C	< 28.9 U C	142 C	40.1 J C	91.2 C	153 C	< 94.4 U C	35.8 J C	76.7 C	97.4 C	141 C	34.7 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 198)	ng/kg	337 C	101 C	1490 C	351 C	806 C	1670 C	517 C	419 J C	707 C	893 C	1280 C	464 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 199)	ng/kg	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg	C197	< 28.9 C197	C197	C197	C197	C197	< 94.4 C197	C197	C197	C197	C197	C197
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'- (PCB 201)	ng/kg	36.9	< 13.2 U	156	39.1	93.3	174	54.8 J	37.2 J	79.1	102	139	37.2 J
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg	127	40.8	565	140	322	691	189	160 J	287	367	495	177 J
Octachlorobiphenyl; 2,2',3,4,4',5,5',6'- (PCB 203)	ng/kg	174	51.9	820	157	414	975	265	223 J	368	472	693	227 J
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg	< 10.0 U	< 10.7 U	< 9.99 U	< 9.20 U	< 10.5 U	< 11.9 U	< 35.1 U	< 8.13 UJ	< 7.86 U	< 9.56 U	< 8.97 U	< 9.62 UJ
Octachlorobiphenyl; 2,3,3',4,4',5,5',6'- (PCB 205)	ng/kg	11.0 J	< 8.68 U	32.1 J EMPC	9.78 J EMPC	23.5 J	31.8 J EMPC	< 28.4 U	9.78 J	18.8 J	26.7 J	40.1	9.29 J EMPC
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'- (PCB 206)	ng/kg	343	89.2	1890	327	667	2050	446	705 J	592	720	983	672 J
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg	31.7 J	< 10.4 U	167	30.7 J	65.0	190	41.9 J	56.4 J	59.6	73.2	99.7	45.8 J
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg	150	38.7	870	143	310	926	193	334 J	277	331	443	301 J
Decachlorobiphenyl (PCB 209)	ng/kg	144	25.8 J EMPC	796	149	231	614	168	399 J	207	224	322	419 J
Total PCBs	ng/kg	1210000	408000	2320000	831000	2900000	2640000	3440000	144000	2040000	2900000	3800000	117000

Notes:

- A= Reporting Limit based on signal to noise
- B= Less than 10x higher than method blank level
- C= lowest numerically designated congener in the co-elution □
- C### = congener number for the lowest numerically designated congener in the co-elution □
- D= Result obtained from analysis of diluted sample
- EMPC= Estimated Maximum Possible Concentration
- J= Estimated value
- Nn= Value obtained from additional analysis
- U= Analyte not detected
- ng/kg= nanograms per Kilogram
- Total PCBs were calculated by summing all PCB Congeners. Non-detects were not included in the sum.
- Qualifiers are assigned to individual congeners and are not included in the Total PCB calculated values.

Table 3-3E Sediment Results for PCB Congeners
Reach 4
Hudson River PCB Sediments Site OU-2, New York

Location ID	HR17-OU2-R4-157	HR17-OU2-R4-163	HR17-OU2-R4-174	HR17-OU2-R4-187	HR17-OU2-R4-224	HR17-OU2-R4-241	HR17-OU2-R4-250	HR17-OU2-R4-268	HR17-OU2-R4-283	HR17-OU2-R4-321	HR17-OU2-R4-327	HR17-OU2-R4-327	HR17-OU2-R4-333	
Sample Name	HR17-OU2-R4-FD11	HR17-OU2-R4-163	HR17-OU2-R4-174	HR17-OU2-R4-187	HR17-OU2-R4-224	HR17-OU2-R4-241	HR17-OU2-R4-250	HR17-OU2-R4-268	HR17-OU2-R4-283	HR17-OU2-R4-321	HR17-OU2-R4-327	HR17-OU2-R4-FD01	HR17-OU2-R4-333	
Sample Date	8/8/2017	8/15/2017	8/17/2017	8/8/2017	8/17/2017	8/24/2017	8/4/2017	8/15/2017	8/10/2017	8/2/2017	7/26/2017	7/26/2017	8/7/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample	HR17-OU2-R4-157											HR17-OU2-R4-327		
Analyte	Unit													
Heptachlorobiphenyl; 2,2',3,4,4',5,5'- (PCB 180)	ng/kg	641 J C	417 C	446 C	586 J C	1840 C	1360 J C	335 C	353 J C	64.0 J JDC	1990 J C	923 C	1050 C	2570 J C
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 181)	ng/kg	4.38 J EMPC	< 3.79 U	4.83 J	3.90 J EMPC	34.8	14.6 J EMPC	5.15 J	3.38 J EMPC	< 7.39	25.0 J	< 3.08 U	< 3.05 U	27.3 J
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg	< 9.05 UJ	< 11.3 U	7.07 J	< 8.77 UJ	20.3 J EMPC	20.4 J EMPC	< 7.19 U	< 8.66 UJ	< 22.0	26.0 J	< 9.18 U	15.9 J EMPC	35.5 J EMPC
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 183)	ng/kg	173 J C	106 C	124 C	153 J C	520 C	366 J C	93.8 C	93.9 J C	< 28.0 C	584 J C	266 C	314 C	687 J C
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 184)	ng/kg	< 12.6 UJ	< 15.8 U	< 8.73 U	< 12.2 UJ	< 9.07 U	< 13.4 UJ	< 10.0 U	< 12.1 UJ	< 30.8	< 19.8 UJ	< 12.8 U	< 12.7 U	< 12.6 UJ
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 185)	ng/kg	C183	C183	C183	C183	C183	C183	C183	C183	< 28.0 C183	C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg	< 6.43 UJ	< 8.03 U	< 4.45 U	10.9 J	< 4.62 U	< 6.84 UJ	< 5.11 U	< 6.15 UJ	< 15.7	< 10.1 UJ	< 6.53 U	< 6.46 U	< 6.39 UJ
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 187)	ng/kg	526 J	348	411	436 J	1810	1350 J	328	217 J	40.4 J	1730 J	794	1140	2770 J
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 188)	ng/kg	< 6.07 UJ	< 7.57 U	< 4.20 U	< 5.88 UJ	11.4 J	10.7 J	< 4.82 U	< 5.80 UJ	< 14.8	11.1 J	< 6.16 U	< 6.09 U	22.0 J
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg	19.9 J	16.0 J	13.5 J	18.1 J	56.4	43.6 J	10.2 J	7.75 J EMPC	< 11.0	57.3 J	23.5 J	32.5 J	81.2 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 190)	ng/kg	68.8 J	51.5	47.8	61.3 J	189	153 J	39.3	35.3 J	< 25.7	230 J	122	149	265 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 191)	ng/kg	9.60 J	< 11.3 U	7.49 J	10.5 J	30.8	23.9 J	< 7.21 U	< 8.69 UJ	< 22.1	33.2 J	16.2 J EMPC	20.4 J	41.9 J
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 192)	ng/kg	< 4.71 UJ	< 5.87 U	< 3.26 U	< 4.56 UJ	< 3.38 U	< 5.01 UJ	< 3.74 U	< 4.50 UJ	< 11.5	< 7.36 UJ	< 4.78 U	< 4.73 U	< 4.68 UJ
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg	179 J	89.3	118	148 J	805	425 J	92.1	80.2 J	< 20.9	614 J	361	299	846 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 195)	ng/kg	62.3 J	23.7 J EMPC	41.3	< 10.4 UJ	203	153 J	38.9	33.5 J	< 26.2	217 J	119	114	320 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg	91.9 J	39.7 J	58.6	79.8 J	364	215 J	47.8	45.4 J	< 17.4	291 J	133	150	411 J
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 197)	ng/kg	34.6 J C	< 33.1 U C	24.4 J C	31.3 J C	186 C	96.6 J C	21.6 J C	< 25.4 UJ C	< 64.6 C	130 J C	< 26.9 U C	72.2 C	194 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 198)	ng/kg	423 J C	145 C	255 C	354 J C	2550 C	868 J C	193 C	213 J C	< 62.2 C	1260 J C	578 C	651 C	1680 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 199)	ng/kg	C198	C198	C198	C198	C198	C198	C198	C198	< 62.2 C198	C198	C198	C198	C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg	C197	< 33.1 C197	C197	C197	C197	C197	< 25.4 J C197	< 64.6 C197	C197	< 26.9 C197	C197	C197	C197
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 201)	ng/kg	41.1 J	< 15.1 U	24.7	30.6 J	218	94.4 J	19.9 J	17.1 J	< 29.4	124 J	62.0	71.9	196 J
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg	169 J	43.2	98.2	151 J	984	337 J	74.4	81.2 J	< 15.8	426 J	242	260	719 J
Octachlorobiphenyl; 2,2',3,4,4',5,5',6'- (PCB 203)	ng/kg	228 J	83.0	132	184 J	1490	475 J	104	107 J	< 20.8	713 J	325	345	873 J
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg	< 9.86 UJ	< 12.3 U	< 6.82 U	< 9.56 UJ	< 7.08 U	< 10.5 UJ	< 7.83 U	< 9.43 UJ	< 24.0	< 15.4 UJ	< 10.0 U	< 9.91 U	< 9.80 UJ
Octachlorobiphenyl; 2,3,3',4,4',5,5',6'- (PCB 205)	ng/kg	12.4 J EMPC	< 9.95 U	7.72 J EMPC	9.01 J EMPC	32.9	24.5 J	< 6.33 U	< 7.62 UJ	< 19.4	35.8 J	15.0 J EMPC	22.9 J	51.3 J
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'- (PCB 206)	ng/kg	612 J	101	347	535 J	4960	936 J	168	356 J	44.1 J EMPC	1470 J	845	641	1520 J
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg	44.6 J	13.0 J	26.8	34.9 J	386	83.9 J	15.7 J	26.5 J	< 23.2	122 J	75.6	64.7	158 J
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg	275 J	49.0	156	266 J	2270	410 J	75.9	178 J	< 29.5	627 J	351	302	729 J
Decachlorobiphenyl (PCB 209)	ng/kg	439 J	33.6 J EMPC	210	494 J	2160	501 J	73.1	348 J	50.2 J	668 J	264	323	621 J
Total PCBs	ng/kg	141000	1400000	563000	106000	1120000	535000	998000	30300	16000	601000	474000	617000	1220000

Notes:

- A= Reporting Limit based on signal to noise
- B= Less than 10x higher than method blank level
- C= lowest numerically designated congener in the co-elution
- C### = congener number for the lowest numerically designated
- D= Result obtained from analysis of diluted sample
- EMPC= Estimated Maximum Possible Concentration
- J= Estimated value
- Nn= Value obtained from additional analysis
- U= Analyte not detected
- ng/kg= nanograms per Kilogram
- Total PCBs were calculated by summing all PCB Congeners. No
- Qualifiers are assigned to individual congeners and are not inclu

**Table 3-3F Sediment Results for PCB Congeners
Reach 3
Hudson River PCB Sediments Site OU-2, New York**

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample		HR17-OU2-R3-022 HR17-OU2-R3-022 7/28/2017 0-2 inches	HR17-OU2-R3-032 HR17-OU2-R3-032 7/24/2017 0-2 inches	HR17-OU2-R3-032 HR17-OU2-R3-FD02 7/24/2017 0-2 inches HR17-OU2-R3-032	HR17-OU2-R3-042 HR17-OU2-R3-042 7/25/2017 0-2 inches	HR17-OU2-R3-046 HR17-OU2-R3-046 8/29/2017 0-2 inches	HR17-OU2-R3-054 HR17-OU2-R3-054 7/29/2017 0-2 inches	HR17-OU2-R3-072 HR17-OU2-R3-072 8/24/2017 0-2 inches	HR17-OU2-R3-084 HR17-OU2-R3-084 8/28/2017 0-2 inches	HR17-OU2-R3-118 HR17-OU2-R3-118 7/20/2017 0-2 inches	HR17-OU2-R3-157 HR17-OU2-R3-157 8/11/2017 0-2 inches	HR17-OU2-R3-198 HR17-OU2-R3-198 8/10/2017 0-2 inches	HR17-OU2-R3-211 HR17-OU2-R3-211 8/9/2017 0-2 inches	HR17-OU2-R3-236 HR17-OU2-R3-236 8/14/2017 0-2 inches
Analyte	Unit													
Heptachlorobiphenyl; 2,2',3,4,4',5,5'- (PCB 180)	ng/kg	58.3 J C	3390 C	223 C	3230 C	1260 C	484 C	237 C	4900 C	290 C	2330 J C	2490 C	182 C	1920 C
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 181)	ng/kg	< 3.38 U	47.0	< 3.55 U	28.5 J	15.1 J	< 3.57 U	< 3.39 U	< 14.9 U	< 3.53 U	23.6 J EMPC	30.2 J EMPC	< 3.47 U	23.4 J
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg	< 10.1 U	81.6	< 10.6 U	< 9.82 U	14.5 J	< 10.7 U	< 10.1 U	< 44.6 U	< 10.5 U	33.5 J	45.2	< 10.4 U	22.7 J
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 183)	ng/kg	17.0 J C	910 C	66.8 J C	957 C	330 C	136 C	62.9 J C	1670 C	84.7 C	691 J C	728 C	48.8 J C	662 C
Heptachlorobiphenyl; 2,2',3,4,4',6,6'- (PCB 184)	ng/kg	< 14.1 U	< 15.1 U	< 14.8 U	< 13.7 U	< 12.9 U	< 14.9 U	< 14.1 U	< 62.2 U	< 14.7 U	< 12.4 UJ	< 12.6 U	< 14.5 U	< 15.9 U
Heptachlorobiphenyl; 2,2',3,4,5,5',6'- (PCB 185)	ng/kg	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg	< 7.16 U	< 7.70 U	< 7.53 U	< 6.98 U	< 6.59 U	< 7.58 U	< 7.20 U	< 31.7 U	< 7.48 U	< 6.29 UJ	< 6.43 U	< 7.37 U	< 8.09 U
Heptachlorobiphenyl; 2,2',3,4',5,5',6'- (PCB 187)	ng/kg	56.4	4150	195	1890	1110	399	219	3560	258	2070 J	2590	142	1580
Heptachlorobiphenyl; 2,2',3,4',5,6,6'- (PCB 188)	ng/kg	< 6.75 U	42.7	< 7.11 U	< 6.58 U	8.42 J	< 7.15 U	< 6.79 U	< 29.9 U	< 7.06 U	16.3 J	19.6 J	< 6.95 U	< 7.63 U
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg	< 5.02 U	115	6.15 J EMPC	88.2	42.0	9.56 J	6.34 J EMPC	113 J	7.49 J EMPC	65.3 J	76.7 J	5.91 J	46.1
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 190)	ng/kg	< 11.8 U	359	27.4 J	337	140	54.3	27.3 J	536	29.7 J	253 J	285	20.0 J	165
Heptachlorobiphenyl; 2,3,3',4,4',5,6'- (PCB 191)	ng/kg	< 10.1 U	58.5	< 10.6 U	72.9	27.8 J	< 10.7 U	< 10.2 U	111 J	< 10.6 U	44.0 J	45.4	< 10.4 U	40.4 J
Heptachlorobiphenyl; 2,3,3',4,5,5',6'- (PCB 192)	ng/kg	< 5.24 U	< 5.64 U	< 5.52 U	< 5.11 U	< 4.83 U	< 5.55 U	< 5.27 U	< 23.2 U	< 5.48 U	< 4.60 UJ	< 4.71 U	< 5.39 U	< 5.92 U
Heptachlorobiphenyl; 2,3,3',4',5,5',6'- (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg	26.7 J	1220	85.6	495	313	70.6	56.0	1690	48.2 EMPC	673 J	740	45.9	347
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 195)	ng/kg	< 12.0 U	422	31.9 J	234	108	27.0 J	22.1 J	601	24.5 J	259 J	260	16.9 J	130
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg	10.2 J EMPC	587	46.1	302	154	33.4 J	27.5 J	1020	32.9 J	346 J	374	22.7 J	189
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'- (PCB 197)	ng/kg	< 29.5 U C	243 C	< 31.1 U C	112 C	64.5 J C	< 31.3 U C	< 29.7 U C	349 C	< 30.9 U C	143 J C	167 C	< 30.4 U C	81.4 J C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 198)	ng/kg	45.3 J C	2250 C	170 C	823 C	559 C	126 C	98.4 C	2760 C	110 C	1270 J C	1580 C	80.6 C	542 C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6'- (PCB 199)	ng/kg	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198	C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg	< 29.5 C197	C197	< 31.1 C197	C197	C197	< 31.3 C197	< 29.7 C197	C197	< 30.9 C197	C197	C197	< 30.4 U C197	C197
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'- (PCB 201)	ng/kg	< 13.4 U	252	18.3 J	101	66.7	< 14.2 U	< 13.5 U	316	< 14.1 U	129 J	157	< 13.8 U	79.5
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg	12.8 J EMPC	876	49.4	223	193	34.3 J	39.9	746	33.5 J EMPC	467 J	545	26.7 J	275
Octachlorobiphenyl; 2,2',3,4,4',5,5',6'- (PCB 203)	ng/kg	26.0 J	1150	97.7	448	330	72.5	55.7	1850	62.9	691 J	823	42.4	397
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg	< 11.0 U	< 11.8 U	< 11.6 U	< 10.7 U	< 10.1 U	< 11.6 U	< 11.0 U	< 48.6 U	< 11.5 U	< 9.64 UJ	< 9.86 U	< 11.3 U	< 12.4 U
Octachlorobiphenyl; 2,3,3',4,4',5,5',6'- (PCB 205)	ng/kg	< 8.87 U	56.3 EMPC	< 9.34 U	30.0 J EMPC	18.3 J	< 9.40 U	< 8.92 U	112 J	< 9.28 U	35.7 J EMPC	41.0	< 9.13 U	18.0 J EMPC
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6'- (PCB 206)	ng/kg	43.1	1640	168	378	456	69.2	84.5	2860	85.0	1100 J	2290	68.3	531
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg	< 10.6 U	179	16.1 J	39.5 EMPC	42.3	< 11.3 U	< 10.7 U	269	< 11.1 U	99.9 J	240	< 10.9 U	39.9 J EMPC
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg	< 13.5 U	836	65.7	160	193	24.8 J	36.1 J	975	34.9 J	479 J	1080	29.1 J	227
Decachlorobiphenyl (PCB 209)	ng/kg	11.4 J EMPC	687	37.0 J	116	284	19.0 J	31.5 J	611	34.3 J EMPC	593 J	959	41.6	206
Total PCBs	ng/kg	84400	1810000	88700	3860000	2000000	1920000	737000	8110000	303000	945000	1170000	56000	2450000

Notes:

A= Reporting Limit based on signal to noise

B= Less than 10x higher than method blank level

C= lowest numerically designated congener in the co-elution □

C### = congener number for the lowest numerically designated congener in the co-elution □

D= Result obtained from analysis of diluted sample

EMPC= Estimated Maximum Possible Concentration

J= Estimated value

Nn= Value obtained from additional analysis

U= Analyte not detected

ng/kg= nanograms per Kilogram

Total PCBs were calculated by summing all PCB Congeners. Non-detects were not included in the sum.

Qualifiers are assigned to individual congeners and are not included in the Total PCB calculated values.

Table 3-3G Sediment Results for PCB Congeners
Reach 2

Location ID	HR17-OU2-R2-002	HR17-OU2-R2-012	HR17-OU2-R2-030	HR17-OU2-R2-030	HR17-OU2-R2-098	HR17-OU2-R2-104	HR17-OU2-R2-163	HR17-OU2-R2-204	
Sample Name	HR17-OU2-R2-002	HR17-OU2-R2-012	HR17-OU2-R2-030	HR17-OU2-R2-FD03	HR17-OU2-R2-098	HR17-OU2-R2-104	HR17-OU2-R2-163	HR17-OU2-R2-204	
Sample Date	7/6/2017	6/30/2017	7/8/2017	7/8/2017	8/17/2017	7/17/2017	7/14/2017	8/19/2017	
Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	
Parent Sample				HR17-OU2-R2-030					
Analyte	Unit								
Chlorinated Biphenyl Congers (E1668A)									
Chlorobiphenyl; 2- (PCB 1)	ng/kg	15100	18100	20000	16400	11900	23800	6920	21200
Chlorobiphenyl; 3- (PCB 2)	ng/kg	278	367	367	352	219	486	146	492
Chlorobiphenyl; 4- (PCB 3)	ng/kg	4680	6190	5200	5410	4260	8550	2090	8080
Dichlorobiphenyl; 2,2'- (PCB 4)	ng/kg	37500	24800	39500	25800	14600	28700	9490	18700
Dichlorobiphenyl; 2,3'- (PCB 5)	ng/kg	226	84.2	300	119 EMPC	29.4	102	50.0	69.0 EMPC
Dichlorobiphenyl; 2,3'- (PCB 6)	ng/kg	9400	6370	11500	6690	3420	8950	3420	7610
Dichlorobiphenyl; 2,4'- (PCB 7)	ng/kg	740	387	838	469	185	426	173	334
Dichlorobiphenyl; 2,4'- (PCB 8)	ng/kg	25400	16200	26200	17900	9780	25100	10700	26100
Dichlorobiphenyl; 2,5'- (PCB 9)	ng/kg	1550	891	1940	1090	490	1250	454	951
Dichlorobiphenyl; 2,6'- (PCB 10)	ng/kg	2860	3680	4880	3520	2460	4090	1320	3000
Dichlorobiphenyl; 3,3'- (PCB 11)	ng/kg	1020	1220	1400	1140	620	1250	633	1410
Dichlorobiphenyl; 3,4'- (PCB 12)	ng/kg	4670 C	5350 C	5880 C	5150 C	2800 C	6440 C	2530 C	7500 C
Dichlorobiphenyl; 3,4'- (PCB 13)	ng/kg	C12	C12	C12	C12	C12	C12	C12	C12
Dichlorobiphenyl; 3,5'- (PCB 14)	ng/kg	10.7 J	15.8 J	14.3 J EMPC	9.22 J EMPC	5.92 J	14.7 J	< 4.44 U	19.4 J EMPC
Dichlorobiphenyl; 4,4'- (PCB 15)	ng/kg	22000	28200	27700	22800	16200	32000	12400	26700
Trichlorobiphenyl; 2,2',3'- (PCB 16)	ng/kg	4780	2830	6330	3650	801	2310	1010	1420
Trichlorobiphenyl; 2,2',4'- (PCB 17)	ng/kg	13100	16700	17000	10900	3130	9450	4050	7520
Trichlorobiphenyl; 2,2',5'- (PCB 18)	ng/kg	3960 C	8250 C	6870 C	4490 C	436 C	2440 C	1160 C	1570 C
Trichlorobiphenyl; 2,2',6'- (PCB 19)	ng/kg	7450	7940	7720	5590	3370	7890	1680	4880
Trichlorobiphenyl; 2,3,3'- (PCB 20)	ng/kg	28300 C	39100 C	51900 C	28800 C	11800 C	29800 C	12600 C	19700 C
Trichlorobiphenyl; 2,3,4'- (PCB 21)	ng/kg	5730 C	5550 C	11400 C	5490 C	1790 C	5000 C	2250 C	3150 C
Trichlorobiphenyl; 2,3,4'- (PCB 22)	ng/kg	7890	9280	14800	7420	2810	7590	2960	5190
Trichlorobiphenyl; 2,3,5'- (PCB 23)	ng/kg	42.6	56.2	79.6	47.5	18.9 J	40.7	11.2 J EMPC	29.6 J
Trichlorobiphenyl; 2,3,6'- (PCB 24)	ng/kg	263	286	449	268	93.1	213	87.6	139
Trichlorobiphenyl; 2,3',4'- (PCB 25)	ng/kg	5250	7290	9180	5720	2250	6210	2400	4320
Trichlorobiphenyl; 2,3',5'- (PCB 26)	ng/kg	9390 C	12900 C	15900 C	9920 C	4470 C	12600 C	4900 C	10000 C
Trichlorobiphenyl; 2,3',6'- (PCB 27)	ng/kg	4220	6550	6180	4630	2360	5300	1810	4310
Trichlorobiphenyl; 2,4,4'- (PCB 28)	ng/kg	C20	C20	C20	C20	C20	C20	C20	C20
Trichlorobiphenyl; 2,4,5'- (PCB 29)	ng/kg	C26	C26	C26	C26	C26	C26	C26	C26
Trichlorobiphenyl; 2,4,6'- (PCB 30)	ng/kg	C18	C18	C18	C18	C18	C18	C18	C18
Trichlorobiphenyl; 2,4',5'- (PCB 31)	ng/kg	27600	35600	46500	27700	11300	32000	13500	24500
Trichlorobiphenyl; 2,4',6'- (PCB 32)	ng/kg	9520	10100	12100	7300	2210	8850	3270	6380
Trichlorobiphenyl; 2',3,4'- (PCB 33)	ng/kg	C21	C21	C21	C21	C21	C21	C21	C21
Trichlorobiphenyl; 2',3,5'- (PCB 34)	ng/kg	313	583	551	396	209	501	171	381
Trichlorobiphenyl; 3,3',4'- (PCB 35)	ng/kg	417	679	664	533	308	777	161	566
Trichlorobiphenyl; 3,3',5'- (PCB 36)	ng/kg	22.3 J	39.1	44.0	27.8 J	24.6 J	41.5	15.1 J	31.5 J
Trichlorobiphenyl; 3,4,4'- (PCB 37)	ng/kg	6690	12000	11900	7770	5490	10500	4000	9790
Trichlorobiphenyl; 3,4,5'- (PCB 38)	ng/kg	10.1 J	13.0 J EMPC	19.5 J EMPC	< 2.32 U	5.75 J	< 1.58 U	< 2.20 U	< 4.65 U
Trichlorobiphenyl; 3,4',5'- (PCB 39)	ng/kg	149	250	246	188	115	242	73.5	200
Tetrachlorobiphenyl; 2,2',3,3'- (PCB 40)	ng/kg	5740 C	9430 C	9270 C	5490 C	2100 C	5460 C	2050 C	4530 C
Tetrachlorobiphenyl; 2,2',3,4'- (PCB 41)	ng/kg	C40	C40	C40	C40	C40	C40	C40	C40
Tetrachlorobiphenyl; 2,2',3,4'- (PCB 42)	ng/kg	2980	5030	5160	3080	1210	2720	1050	2090
Tetrachlorobiphenyl; 2,2',3,5'- (PCB 43)	ng/kg	506 C	1040 C	860 C	597 C	325 C	597 C	176 C	235 C

Table 3-3G Sediment Results for PCB Congeners
Reach 2

Analyte	Unit	Location ID	HR17-OU2-R2-002	HR17-OU2-R2-012	HR17-OU2-R2-030	HR17-OU2-R2-030	HR17-OU2-R2-098	HR17-OU2-R2-104	HR17-OU2-R2-163	HR17-OU2-R2-204
		Sample Name	HR17-OU2-R2-002	HR17-OU2-R2-012	HR17-OU2-R2-030	HR17-OU2-R2-FD03	HR17-OU2-R2-098	HR17-OU2-R2-104	HR17-OU2-R2-163	HR17-OU2-R2-204
Parent Sample	Sample Date	Sample Depth Interval	7/6/2017	6/30/2017	7/8/2017	7/8/2017	8/17/2017	7/17/2017	7/14/2017	8/19/2017
Parent Sample	Sample Date	Sample Depth Interval	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Tetrachlorobiphenyl; 2,2',3,5'- (PCB 44)	ng/kg		10100 C	18600 C	16700 C	10900 C	5070 C	11400 C	4280 C	9760 C
Tetrachlorobiphenyl; 2,2',3,6'- (PCB 45)	ng/kg		2580 C	3460 C	3270 C	2130 C	855 C	2380 C	763 C	2060 C
Tetrachlorobiphenyl; 2,2',3,6'- (PCB 46)	ng/kg		625	710	791	521	184	496	185	421
Tetrachlorobiphenyl; 2,2',4,4'- (PCB 47)	ng/kg		C44	C44	C44	C44	C44	C44	C44	C44
Tetrachlorobiphenyl; 2,2',4,5'- (PCB 48)	ng/kg		1450	2110	2700	1490	509	1150	494	798
Tetrachlorobiphenyl; 2,2',4,5'- (PCB 49)	ng/kg		7940 C	14900 C	12600 C	8860 C	4350 C	10600 C	3680 C	9790 C
Tetrachlorobiphenyl; 2,2',4,6'- (PCB 50)	ng/kg		2390 C	3610 C	3030 C	2340 C	1360 C	3250 C	866 C	2550 C
Tetrachlorobiphenyl; 2,2',4,6'- (PCB 51)	ng/kg		C45	C45	C45	C45	C45	C45	C45	C45
Tetrachlorobiphenyl; 2,2',5,5'- (PCB 52)	ng/kg		9830	16600	14700	10600	5220	12000	4200	10900
Tetrachlorobiphenyl; 2,2',5,6'- (PCB 53)	ng/kg		C50	C50	C50	C50	C50	C50	C50	C50
Tetrachlorobiphenyl; 2,2',6,6'- (PCB 54)	ng/kg		129	209	148	122	125	224	33.1	151
Tetrachlorobiphenyl; 2,3,3',4'- (PCB 55)	ng/kg		164	198	329	194	79.0	168	82.4	130
Tetrachlorobiphenyl; 2,3,3',4'- (PCB 56)	ng/kg		2940	4760	5600	3300	1770	3670	1370	2830
Tetrachlorobiphenyl; 2,3,3',5'- (PCB 57)	ng/kg		196	395	282	206	109	235	64.8	188
Tetrachlorobiphenyl; 2,3,3',5'- (PCB 58)	ng/kg		30.4	65.5	58.5	37.6	17.2 J	41.3 EMPC	14.1 J	42.5 J
Tetrachlorobiphenyl; 2,3,3',6'- (PCB 59)	ng/kg		1230 C	2170 C	2040 C	1310 C	607 C	1230 C	454 C	862 C
Tetrachlorobiphenyl; 2,3,4,4'- (PCB 60)	ng/kg		1680	2200	3220	1840	1070	1920	894	1810
Tetrachlorobiphenyl; 2,3,4,5'- (PCB 61)	ng/kg		11500 C	19300 C	21000 C	12900 C	6670 C	13600 C	5380 C	12600 C
Tetrachlorobiphenyl; 2,3,4,6'- (PCB 62)	ng/kg		C59	C59	C59	C59	C59	C59	C59	C59
Tetrachlorobiphenyl; 2,3,4',5'- (PCB 63)	ng/kg		788	1560	1250	871	473	906	301	815
Tetrachlorobiphenyl; 2,3,4',6'- (PCB 64)	ng/kg		5060	9270	9030	5390	2300	4920	1810	4420
Tetrachlorobiphenyl; 2,3,5,6'- (PCB 65)	ng/kg		C44	C44	C44	C44	C44	C44	C44	C44
Tetrachlorobiphenyl; 2,3',4,4'- (PCB 66)	ng/kg		6820	11900	12000	7740	4480	8480	3300	8110
Tetrachlorobiphenyl; 2,3',4,5'- (PCB 67)	ng/kg		363	662	699	422	205	433	167	370
Tetrachlorobiphenyl; 2,3',4,5'- (PCB 68)	ng/kg		166	407	298	269	169	388	101	340
Tetrachlorobiphenyl; 2,3',4,6'- (PCB 69)	ng/kg		C49	C49	C49	C49	C49	C49	C49	C49
Tetrachlorobiphenyl; 2,3',4',5'- (PCB 70)	ng/kg		C61	C61	C61	C61	C61	C61	C61	C61
Tetrachlorobiphenyl; 2,3',4',6'- (PCB 71)	ng/kg		C40	C40	C40	C40	C40	C40	C40	C40
Tetrachlorobiphenyl; 2,3',5,5'- (PCB 72)	ng/kg		259	560	444	383	244	536	143	486
Tetrachlorobiphenyl; 2,3',5',6'- (PCB 73)	ng/kg		C43	C43	C43	C43	C43	C43	C43	C43
Tetrachlorobiphenyl; 2,4,4',5'- (PCB 74)	ng/kg		C61	C61	C61	C61	C61	C61	C61	C61
Tetrachlorobiphenyl; 2,4,4',6'- (PCB 75)	ng/kg		C59	C59	C59	C59	C59	C59	C59	C59
Tetrachlorobiphenyl; 2',3,4,5'- (PCB 76)	ng/kg		C61	C61	C61	C61	C61	C61	C61	C61
Tetrachlorobiphenyl; 3,3',4,4'- (PCB 77)	ng/kg		1290	2990	2040	2000	1820	3530	623	3230
Tetrachlorobiphenyl; 3,3',4,5'- (PCB 78)	ng/kg		< 4.72 U	5.44 J	< 7.49 U	< 6.45 U	< 4.93 U	< 4.39 U	< 6.14 U	< 13.0 U
Tetrachlorobiphenyl; 3,3',4,5'- (PCB 79)	ng/kg		24.7	66.5	37.3 J	34.5	16.2 J EMPC	42.2	13.3 J	42.6 J
Tetrachlorobiphenyl; 3,3',5,5'- (PCB 80)	ng/kg		< 3.73 U	< 4.12 U	< 5.93 U	< 5.11 U	< 3.90 U	< 3.48 U	< 4.86 U	< 10.2 U
Tetrachlorobiphenyl; 3,4,4',5'- (PCB 81)	ng/kg		39.5	70.3	65.5	45.3	35.3	61.9	21.8 J	67.7
Pentachlorobiphenyl; 2,2',3,3',4'- (PCB 82)	ng/kg		380	858	647	462	252	442	144	468
Pentachlorobiphenyl; 2,2',3,3',5'- (PCB 83)	ng/kg		203	609	359	280	143	307	81.1	289
Pentachlorobiphenyl; 2,2',3,3',6'- (PCB 84)	ng/kg		920	2150	1330	1090	611	1240	371	1250
Pentachlorobiphenyl; 2,2',3,4,4'- (PCB 85)	ng/kg		683 C	1730 C	1150 C	875 C	572 C	928 C	314 C	1110 C
Pentachlorobiphenyl; 2,2',3,4,5'- (PCB 86)	ng/kg		1580 C	3830 C	2530 C	1950 C	1150 C	2000 C	685 C	2230 C
Pentachlorobiphenyl; 2,2',3,4,5'- (PCB 87)	ng/kg		C86	C86	C86	C86	C86	C86	C86	C86

Table 3-3G Sediment Results for PCB Congeners
Reach 2

Analyte	Unit	Location ID	Location ID	Location ID	Location ID	Location ID	Location ID	Location ID	Location ID
		HR17-OU2-R2-002	HR17-OU2-R2-012	HR17-OU2-R2-030	HR17-OU2-R2-030	HR17-OU2-R2-098	HR17-OU2-R2-104	HR17-OU2-R2-163	HR17-OU2-R2-204
Sample Name	Sample Date	Sample Depth Interval	Sample Depth Interval	Sample Depth Interval	Sample Depth Interval	Sample Depth Interval	Sample Depth Interval	Sample Depth Interval	Sample Depth Interval
Parent Sample	Parent Sample	Parent Sample	Parent Sample	Parent Sample	Parent Sample	Parent Sample	Parent Sample	Parent Sample	Parent Sample
Pentachlorobiphenyl; 2,2',3,4,6- (PCB 88)	ng/kg	804 C	1940 C	1130 C	944 C	594 C	1260 C	318 C	1220 C
Pentachlorobiphenyl; 2,2',3,4,6'- (PCB 89)	ng/kg	59.5	140	95.3	62.4	30.3	62.5	23.7 J	46.2 J
Pentachlorobiphenyl; 2,2',3,4',5- (PCB 90)	ng/kg	2010 C	5370 C	3020 C	2640 C	1620 C	2830 C	868 C	3350 C
Pentachlorobiphenyl; 2,2',3,4',6- (PCB 91)	ng/kg	C88	C88	C88	C88	C88	C88	C88	C88
Pentachlorobiphenyl; 2,2',3,5,5'- (PCB 92)	ng/kg	720	1970	1030	957	650	1140	302	1200
Pentachlorobiphenyl; 2,2',3,5,6- (PCB 93)	ng/kg	405 C	993 C	574 C	478 C	304 C	733 C	154 C	665 C
Pentachlorobiphenyl; 2,2',3,5,6'- (PCB 94)	ng/kg	96.0	223	138	120	99.4	193	34.0	178
Pentachlorobiphenyl; 2,2',3,5',6- (PCB 95)	ng/kg	2000	4630	2810	2430	1430	2800	769	2990
Pentachlorobiphenyl; 2,2',3,6,6'- (PCB 96)	ng/kg	66.7	154	90.5	78.0	56.2	123	23.3 J	101
Pentachlorobiphenyl; 2,2',3',4,5- (PCB 97)	ng/kg	C86	C86	C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 2,2',3',4,6- (PCB 98)	ng/kg	C93	C93	C93	C93	C93	C93	C93	C93
Pentachlorobiphenyl; 2,2',4,4',5- (PCB 99)	ng/kg	1240	3330	1950	1640	1040	1860	594	2030
Pentachlorobiphenyl; 2,2',4,4',6- (PCB 100)	ng/kg	C93	C93	C93	C93	C93	C93	C93	C93
Pentachlorobiphenyl; 2,2',4,5,5'- (PCB 101)	ng/kg	C90	C90	C90	C90	C90	C90	C90	C90
Pentachlorobiphenyl; 2,2',4,5,6'- (PCB 102)	ng/kg	C93	C93	C93	C93	C93	C93	C93	C93
Pentachlorobiphenyl; 2,2',4,5',6- (PCB 103)	ng/kg	60.6	168	97.0	96.4	70.2	139	28.1 J	121
Pentachlorobiphenyl; 2,2',4,6,6'- (PCB 104)	ng/kg	< 8.78 U	12.2 J	< 13.9 U	< 12.0 U	< 9.17 U	13.6 J	< 11.4 U	< 24.1 U
Pentachlorobiphenyl; 2,3,3',4,4'- (PCB 105)	ng/kg	1070	2720	1870	1420	1090	1750	597	1970
Pentachlorobiphenyl; 2,3,3',4,5- (PCB 106)	ng/kg	< 3.90 U	12.5 J	< 6.20 U	< 5.34 U	4.88 J EMPC	9.83 J EMPC	< 5.08 U	< 10.7 U
Pentachlorobiphenyl; 2,3,3',4',5- (PCB 107)	ng/kg	72.1 C	175 C	115 C	86.6 C	63.2 C	110 C	34.1 J C	134 DAC
Pentachlorobiphenyl; 2,3,3',4,5'- (PCB 108)	ng/kg	C86	C86	C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 2,3,3',4,6- (PCB 109)	ng/kg	201	519	333	282	198	332	92.2	342
Pentachlorobiphenyl; 2,3,3',4',6- (PCB 110)	ng/kg	3270 C	8410 C	4790 C	3910 C	2460 C	4300 C	1370 C	4870 C
Pentachlorobiphenyl; 2,3,3',5,5'- (PCB 111)	ng/kg	7.84 J	20.5 J	9.77 J EMPC	8.95 J EMPC	9.40 J	13.8 J	< 5.44 U	11.9 J
Pentachlorobiphenyl; 2,3,3',5,6- (PCB 112)	ng/kg	72.1	111	63.3	58.5	58.0	87.0	15.7 J	70.5
Pentachlorobiphenyl; 2,3,3',5',6- (PCB 113)	ng/kg	C90	C90	C90	C90	C90	C90	C90	C90
Pentachlorobiphenyl; 2,3,4,4',5- (PCB 114)	ng/kg	89.3	219	146	110	76.8	134	48.1	131
Pentachlorobiphenyl; 2,3,4,4',6- (PCB 115)	ng/kg	C110	C110	C110	C110	C110	C110	C110	C110
Pentachlorobiphenyl; 2,3,4,5,6- (PCB 116)	ng/kg	C85	C85	C85	C85	C85	C85	C85	C85
Pentachlorobiphenyl; 2,3,4',5,6- (PCB 117)	ng/kg	C85	C85	C85	C85	C85	C85	C85	C85
Pentachlorobiphenyl; 2,3',4,4',5- (PCB 118)	ng/kg	2140	6100	3380	2820	2080	3770	1220	3980
Pentachlorobiphenyl; 2,3',4,4',6- (PCB 119)	ng/kg	C86	C86	C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 2,3',4,5,5'- (PCB 120)	ng/kg	17.6 J	52.3	26.9 J EMPC	29.6 J	21.2 J	40.1	9.18 J	31.8 J
Pentachlorobiphenyl; 2,3',4,5',6- (PCB 121)	ng/kg	< 5.69 U	9.14 J	< 9.04 U	< 7.79 U	< 5.95 U	10.2 J	< 7.41 U	< 15.6 U
Pentachlorobiphenyl; 2',3,3',4,5- (PCB 122)	ng/kg	29.1 EMPC	75.8	52.9	43.9	27.4	56.5	18.3 J	52.1 J
Pentachlorobiphenyl; 2',3,4,4',5- (PCB 123)	ng/kg	51.4	142	100	61.1	50.2	88.2	27.7 J	79.7
Pentachlorobiphenyl; 2',3,4,5,5'- (PCB 124)	ng/kg	C107	C107	C107	C107	C107	C107	C107	C107
Pentachlorobiphenyl; 2',3,4,5,6'- (PCB 125)	ng/kg	C86	C86	C86	C86	C86	C86	C86	C86
Pentachlorobiphenyl; 3,3',4,4',5- (PCB 126)	ng/kg	10.8 J	37.1	19.1 J	19.9 J EMPC	19.7 J	23.3	< 4.66 U	29.8 J
Pentachlorobiphenyl; 3,3',4,5,5'- (PCB 127)	ng/kg	< 3.95 U	6.17 J	< 6.27 U	< 5.40 U	< 4.13 U	< 3.68 U	< 5.14 U	< 10.8 U
Hexachlorobiphenyl; 2,2',3,3',4,4'- (PCB 128)	ng/kg	183 C	638 C	293 C	276 C	233 C	354 C	98.3 C	510 C
Hexachlorobiphenyl; 2,2',3,3',4,5- (PCB 129)	ng/kg	1290 C	4300 C	1980 C	1940 C	1570 C	2590 C	636 C	3420 C
Hexachlorobiphenyl; 2,2',3,3',4,5'- (PCB 130)	ng/kg	94.3	313	139	135	111	173	43.9	233
Hexachlorobiphenyl; 2,2',3,3',4,6- (PCB 131)	ng/kg	15.9 J	50.4	22.0 J	21.0 J	16.6 J	25.5	< 11.7 U	39.5 J

Table 3-3G Sediment Results for PCB Congeners
Reach 2

Location ID		HR17-OU2-R2-002	HR17-OU2-R2-012	HR17-OU2-R2-030	HR17-OU2-R2-030	HR17-OU2-R2-098	HR17-OU2-R2-104	HR17-OU2-R2-163	HR17-OU2-R2-204
Sample Name		HR17-OU2-R2-002	HR17-OU2-R2-012	HR17-OU2-R2-030	HR17-OU2-R2-FD03	HR17-OU2-R2-098	HR17-OU2-R2-104	HR17-OU2-R2-163	HR17-OU2-R2-204
Sample Date		7/6/2017	6/30/2017	7/8/2017	7/8/2017	8/17/2017	7/17/2017	7/14/2017	8/19/2017
Sample Depth Interval		0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches	0-2 inches
Parent Sample					HR17-OU2-R2-030				
Analyte	Unit								
Hexachlorobiphenyl; 2,2',3,3',4,6'- (PCB 132)	ng/kg	374	1270	526	543	390	685	165	937
Hexachlorobiphenyl; 2,2',3,3',5,5'- (PCB 133)	ng/kg	49.4	151	86.1	92.1	78.0	121	17.9 J	125
Hexachlorobiphenyl; 2,2',3,3',5,6'- (PCB 134)	ng/kg	96.4 C	310 C	166 C	159 C	121 C	217 C	46.7 J C	276 C
Hexachlorobiphenyl; 2,2',3,3',5,6'- (PCB 135)	ng/kg	467 C	1570 C	744 C	751 C	653 C	1030 C	193 C	1130 C
Hexachlorobiphenyl; 2,2',3,3',6,6'- (PCB 136)	ng/kg	153	535	240	254	204	362	64.5	429
Hexachlorobiphenyl; 2,2',3,4,4',5'- (PCB 137)	ng/kg	59.3	197	85.7	92.8	69.2	104	32.5	177
Hexachlorobiphenyl; 2,2',3,4,4',5'- (PCB 138)	ng/kg	C129	C129	C129	C129	C129	C129	C129	C129
Hexachlorobiphenyl; 2,2',3,4,4',6'- (PCB 139)	ng/kg	23.9 J EMPCJC	83.8 C	38.4 J C	40.2 J C	31.6 J C	48.4 C	14.5 J EMPCJ C	74.3 J JDC
Hexachlorobiphenyl; 2,2',3,4,4',6'- (PCB 140)	ng/kg	23.9 C139	C139	C139	C139	C139	C139	14.5 C139	C139
Hexachlorobiphenyl; 2,2',3,4,5,5'- (PCB 141)	ng/kg	142	456	197	194	152	246	69.3	342
Hexachlorobiphenyl; 2,2',3,4,5,6'- (PCB 142)	ng/kg	< 3.05 U	< 3.36 U	< 4.84 U	< 4.17 U	< 3.19 U	< 2.84 U	< 3.97 U	< 8.37 U
Hexachlorobiphenyl; 2,2',3,4,5,6'- (PCB 143)	ng/kg	C134	C134	C134	C134	C134	C134	C134	C134
Hexachlorobiphenyl; 2,2',3,4,5,6'- (PCB 144)	ng/kg	30.1	106	40.0	42.0	30.0	45.2	< 24.2 U	73.5
Hexachlorobiphenyl; 2,2',3,4,6,6'- (PCB 145)	ng/kg	< 7.47 U	< 8.23 U	< 11.9 U	< 10.2 U	< 7.81 U	< 6.95 U	< 9.72 U	< 20.5 U
Hexachlorobiphenyl; 2,2',3,4',5,5'- (PCB 146)	ng/kg	205	658	325	323	270	416	93.5	546
Hexachlorobiphenyl; 2,2',3,4',5,6'- (PCB 147)	ng/kg	828 C	2750 C	1210 C	1260 C	918 C	1660 C	375 C	2330 C
Hexachlorobiphenyl; 2,2',3,4',5,6'- (PCB 148)	ng/kg	< 13.9 U	21.2 J	< 22.1 U	< 19.1 U	< 14.6 U	21.5 J	< 18.1 U	< 38.2 U
Hexachlorobiphenyl; 2,2',3,4',5,6'- (PCB 149)	ng/kg	C147	C147	C147	C147	C147	C147	C147	C147
Hexachlorobiphenyl; 2,2',3,4',6,6'- (PCB 150)	ng/kg	< 8.78 U	15.9 J	< 13.9 U	< 12.0 U	< 9.17 U	15.0 J	< 11.4 U	< 24.1 U
Hexachlorobiphenyl; 2,2',3,5,5',6'- (PCB 151)	ng/kg	C135	C135	C135	C135	C135	C135	C135	C135
Hexachlorobiphenyl; 2,2',3,5,6,6'- (PCB 152)	ng/kg	< 9.55 U	15.3 J	< 15.2 U	< 13.1 U	< 9.98 U	11.0 J	< 12.4 U	< 26.2 U
Hexachlorobiphenyl; 2,2',4,4',5,5'- (PCB 153)	ng/kg	730 C	2540 C	1120 C	1100 C	913 C	1460 C	349 C	1820 C
Hexachlorobiphenyl; 2,2',4,4',5,6'- (PCB 154)	ng/kg	33.9	123	63.5	64.6	49.7	102	15.3 J	101
Hexachlorobiphenyl; 2,2',4,4',6,6'- (PCB 155)	ng/kg	< 5.76 U	< 6.35 U	< 9.15 U	< 7.88 U	< 6.02 U	< 5.36 U	< 7.50 U	< 15.8 U
Hexachlorobiphenyl; 2,3,3',4,4',5'- (PCB 156)	ng/kg	164 C	590 C	259 C	241 C	216 C	374 C	91.3 C	367 C
Hexachlorobiphenyl; 2,3,3',4,4',5'- (PCB 157)	ng/kg	C156	C156	C156	C156	C156	C156	C156	C156
Hexachlorobiphenyl; 2,3,3',4,4',6'- (PCB 158)	ng/kg	93.3	317	147	147	109	176	55.2	257
Hexachlorobiphenyl; 2,3,3',4,5,5'- (PCB 159)	ng/kg	< 7.18 U	10.9 J	< 11.4 U	< 9.82 U	< 7.50 U	< 6.68 U	< 9.34 U	< 19.7 U
Hexachlorobiphenyl; 2,3,3',4,5,6'- (PCB 160)	ng/kg	< 6.14 U	< 6.76 U	< 9.74 U	< 8.39 U	< 6.41 U	< 5.71 U	< 7.98 U	< 16.8 U
Hexachlorobiphenyl; 2,3,3',4,5,6'- (PCB 161)	ng/kg	< 4.73 U	< 5.21 U	< 7.51 U	< 6.47 U	< 4.94 U	< 4.40 U	< 6.16 U	< 13.0 U
Hexachlorobiphenyl; 2,3,3',4',5,5'- (PCB 162)	ng/kg	< 4.60 U	11.8 J	< 7.30 U	< 6.29 U	6.03 J	6.75 J	< 5.98 U	< 12.6 U
Hexachlorobiphenyl; 2,3,3',4',5,6'- (PCB 163)	ng/kg	C129	C129	C129	C129	C129	C129	C129	C129
Hexachlorobiphenyl; 2,3,3',4',5,6'- (PCB 164)	ng/kg	67.0	224	103	94.1	86.9	128	29.9 J	167
Hexachlorobiphenyl; 2,3,3',5,5',6'- (PCB 165)	ng/kg	8.27 J	22.3 J	14.7 J	15.0 J	12.8 J EMPC	16.7 J EMPC	< 7.56 U	20.2 J EMPC
Hexachlorobiphenyl; 2,3,4,4',5,6'- (PCB 166)	ng/kg	C128	C128	C128	C128	C128	C128	C128	C128
Hexachlorobiphenyl; 2,3',4,4',5,5'- (PCB 167)	ng/kg	47.8	175	75.2	71.6	64.8	107	27.6 J	107
Hexachlorobiphenyl; 2,3',4,4',5,6'- (PCB 168)	ng/kg	C153	C153	C153	C153	C153	C153	C153	C153
Hexachlorobiphenyl; 3,3',4,4',5,5'- (PCB 169)	ng/kg	< 5.94 U	< 6.55 U	< 9.44 U	< 8.13 U	< 6.21 U	< 5.53 U	< 7.73 U	< 16.3 U
Heptachlorobiphenyl; 2,2',3,3',4,4',5'- (PCB 170)	ng/kg	128	477	200	214	179	313	55.8	319
Heptachlorobiphenyl; 2,2',3,3',4,4',6'- (PCB 171)	ng/kg	45.2 J C	156 C	61.7 J C	69.6 C	55.0 C	97.9 C	19.0 J C	79.7 J JDC
Heptachlorobiphenyl; 2,2',3,3',4,5,5'- (PCB 172)	ng/kg	26.9	101	46.7	47.0	42.5	65.9	10.4 J EMPC	66.5
Heptachlorobiphenyl; 2,2',3,3',4,5,6'- (PCB 173)	ng/kg	C171	C171	C171	C171	C171	C171	C171	C171
Heptachlorobiphenyl; 2,2',3,3',4,5,6'- (PCB 174)	ng/kg	126	452	188	201	170	294	56.6	289
Heptachlorobiphenyl; 2,2',3,3',4,5',6'- (PCB 175)	ng/kg	5.03 J EMPC	21.6 J	10.3 J	7.65 J EMPC	8.28 J	11.9 J EMPC	< 6.16 U	< 13.0 U

Table 3-3G Sediment Results for PCB Congeners
Reach 2

Location ID Sample Name Sample Date Sample Depth Interval Parent Sample		HR17-OU2-R2-002 HR17-OU2-R2-002 7/6/2017 0-2 inches	HR17-OU2-R2-012 HR17-OU2-R2-012 6/30/2017 0-2 inches	HR17-OU2-R2-030 HR17-OU2-R2-030 7/8/2017 0-2 inches	HR17-OU2-R2-030 HR17-OU2-R2-FD03 7/8/2017 0-2 inches HR17-OU2-R2-030	HR17-OU2-R2-098 HR17-OU2-R2-098 8/17/2017 0-2 inches	HR17-OU2-R2-104 HR17-OU2-R2-104 7/17/2017 0-2 inches	HR17-OU2-R2-163 HR17-OU2-R2-163 7/14/2017 0-2 inches	HR17-OU2-R2-204 HR17-OU2-R2-204 8/19/2017 0-2 inches
Analyte	Unit								
Heptachlorobiphenyl; 2,2',3,3',4,6,6'- (PCB 176)	ng/kg	19.3 J	70.9	25.2 J EMPC	28.6 J	26.8	44.2	< 10.5 U	34.8 J
Heptachlorobiphenyl; 2,2',3,3',4',5,6- (PCB 177)	ng/kg	106	373	174	183	154	271	41.3	239
Heptachlorobiphenyl; 2,2',3,3',5,5',6- (PCB 178)	ng/kg	69.4	254	137	146	130	192	26.4 J	193
Heptachlorobiphenyl; 2,2',3,3',5,6,6'- (PCB 179)	ng/kg	85.1	279	131	138	117	202	27.3 J	170
Heptachlorobiphenyl; 2,2',3,4,4',5,5'- (PCB 180)	ng/kg	265 C	980 C	413 C	418 C	354 C	652 C	111 C	478 C
Heptachlorobiphenyl; 2,2',3,4,4',5,6- (PCB 181)	ng/kg	4.11 J	10.9 J	< 3.49 U	< 3.01 U	4.69 J	6.84 J	< 2.86 U	< 6.03 U
Heptachlorobiphenyl; 2,2',3,4,4',5,6'- (PCB 182)	ng/kg	< 6.56 U	12.2 J	< 10.4 U	< 8.97 U	< 6.85 U	8.16 J EMPC	< 8.53 U	< 18.0 U
Heptachlorobiphenyl; 2,2',3,4,4',5',6- (PCB 183)	ng/kg	79.7 C	290 C	113 C	128 C	104 C	182 C	30.5 J C	161 C
Heptachlorobiphenyl; 2,2',3,4,4',6,6'- (PCB 184)	ng/kg	< 9.15 U	< 10.1 U	< 14.5 U	< 12.5 U	< 9.56 U	< 8.52 U	< 11.9 U	< 25.1 U
Heptachlorobiphenyl; 2,2',3,4,5,5',6- (PCB 185)	ng/kg	C183	C183	C183	C183	C183	C183	C183	C183
Heptachlorobiphenyl; 2,2',3,4,5,6,6'- (PCB 186)	ng/kg	< 4.66 U	< 5.13 U	< 7.40 U	< 6.37 U	< 4.87 U	< 4.34 U	< 6.06 U	< 12.8 U
Heptachlorobiphenyl; 2,2',3,4',5,5',6- (PCB 187)	ng/kg	235	832	375	396	355	569	99.4	639
Heptachlorobiphenyl; 2,2',3,4',5,6,6'- (PCB 188)	ng/kg	< 4.39 U	< 4.84 U	< 6.98 U	< 6.01 U	< 4.59 U	6.40 J	< 5.72 U	< 12.1 U
Heptachlorobiphenyl; 2,3,3',4,4',5,5'- (PCB 189)	ng/kg	7.26 J EMPC	28.1	11.2 J	11.9 J	12.8 J	16.1 J	< 4.25 U	22.8 J
Heptachlorobiphenyl; 2,3,3',4,4',5,6- (PCB 190)	ng/kg	29.9	104	45.6	46.6	41.5	73.6	11.8 J	76.3
Heptachlorobiphenyl; 2,3,3',4,4',5',6- (PCB 191)	ng/kg	< 6.58 U	18.3 J	< 10.4 U	< 9.00 U	< 6.88 U	11.2 J EMPC	< 8.56 U	< 18.1 U
Heptachlorobiphenyl; 2,3,3',4,5,5',6- (PCB 192)	ng/kg	< 3.41 U	< 3.76 U	< 5.41 U	< 4.66 U	< 3.56 U	< 3.17 U	< 4.44 U	< 9.36 U
Heptachlorobiphenyl; 2,3,3',4',5,5',6- (PCB 193)	ng/kg	C180	C180	C180	C180	C180	C180	C180	C180
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'- (PCB 194)	ng/kg	66.4	239	113	123	101	216	22.3 J	156
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 195)	ng/kg	24.7	92.5	42.7	46.5	41.1	70.4	< 10.2 U	66.0
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'- (PCB 196)	ng/kg	32.1	135	56.7	57.9	55.8	115	12.7 J	100
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'- (PCB 197)	ng/kg	< 19.2 U C	58.3 C	< 30.5 U C	27.3 J C	22.9 J EMPCJ C	44.9 C	< 25.0 U C	< 52.7 U C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6- (PCB 198)	ng/kg	121 C	505 C	206 C	224 C	229 C	539 C	40.3 J C	425 C
Octachlorobiphenyl; 2,2',3,3',4,5,5',6- (PCB 199)	ng/kg	C198	C198	C198	C198	C198	C198	C198	C198
Octachlorobiphenyl; 2,2',3,3',4,5,6,6'- (PCB 200)	ng/kg	< 19.2 C197	C197	< 30.5 C197	C197	22.9 C197	C197	< 25.0 C197	< 52.7 C197
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'- (PCB 201)	ng/kg	12.7 J	55.6	24.2 J	25.4 J	24.5 J	44.5	< 11.4 U	26.9 J EMPC
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'- (PCB 202)	ng/kg	41.1	165	78.7	81.0	80.7	186	16.1 J	121
Octachlorobiphenyl; 2,2',3,4,4',5,5',6- (PCB 203)	ng/kg	62.5	283	113	126	112	282	22.8 J EMPC	198
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'- (PCB 204)	ng/kg	< 7.14 U	< 7.87 U	< 11.3 U	< 9.77 U	< 7.47 U	< 6.65 U	< 9.30 U	< 19.6 U
Octachlorobiphenyl; 2,3,3',4,4',5,5',6- (PCB 205)	ng/kg	< 5.78 U	15.5 J	< 9.17 U	< 7.90 U	< 6.04 U	10.7 J	< 7.52 U	< 15.9 U
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6- (PCB 206)	ng/kg	95.5	510	201	205	219	944	29.0 J	281
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'- (PCB 207)	ng/kg	9.60 J	50.1	20.3 J	18.8 J	17.3 J	76.7	< 9.00 U	< 19.0 U
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'- (PCB 208)	ng/kg	43.0	221	87.4	89.2	95.4	409	15.1 J	120
Decachlorobiphenyl (PCB 209)	ng/kg	37.4	209	92.6	95.8	151	254	9.59 J EMPC	87.6
Total PCBs	ng/kg	363000	491000	532000	355000	185000	417000	150000	353000

Notes:

- A= Reporting Limit based on signal to noise
- B= Less than 10x higher than method blank level
- C= lowest numerically designated congener in the co-elution □
- C### = congener number for the lowest numerically designated congener in the co-elution □
- D= Result obtained from analysis of diluted sample
- EMPC= Estimated Maximum Possible Concentration
- J= Estimated value
- Nn= Value obtained from additional analysis
- U= Analyte not detected
- ng/kg= nanograms per Kilogram
- Total PCBs were calculated by summing all PCB Congeners. Non-detects were not included in the sum.
- Qualifiers are assigned to individual congeners and are not included in the Total PCB calculated values.

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Table 3-4
Upper Hudson River Fish Sample Totals
(Fall 2017)

River Reach	Forage Fish (Composite)		Pumpkinseed/Centrarchid (Single Fish)		Location ID	Forage Fish by Location	Pumpkinseed/Centrarchid by Location	Forage Fish Composite Breakdown					Pumpkinseed/Centrarchid Breakdown	
	Required	Actual	Required	Actual				SPSH	SFSH	GOSH	FALLF	EMRSH	PKSD	RBRS
Reach 8 (Thompson Island Pool)	15	15	21	21	R8-1	4	4	0	4	0	0	0	4	0
					R8-2	2	5	2	0	0	0	5	0	
					R8-3	1	6	0	1	0	0	6	0	
					R8-4	3	4	0	2	0	1	4	0	
					R8-5	5	1	2	2	0	1	1	0	
					R8-6	0	1	0	0	0	0	1	0	
Reach 7 (Landlocked Pool)	20	20	10	19	R7-1	9	9	4	5	0	0	3	6	
					R7-2	11	10	0	5	0	0	6	1	9
Reach 6 (Lock 5 Pool)	5	5	28	36	R6-1	2	9	0	2	0	0	7	2	
					R6-2	3	12	3	0	0	0	6	6	
					R6-3	0	11	0	0	0	0	11	0	
					R6-4	0	4	0	0	0	0	4	0	
Reach 5 - North (Stillwater Pool)	20	22	13	17	R5N-1	8	8	1	7	0	0	8	0	
					R5N-2	3	5	3	0	0	0	5	0	
					R5N-3	11	4	8	3	0	0	4	0	
Reach 5 - South (Stillwater Pool)	5	5	10	10	R5S-1	2	6	2	0	0	0	6	0	
					R5S-2	3	4	3	0	0	0	4	0	
Reach 4 (Upper Mechanicville Pool)	5	6	10	10	R4-1	3	3	3	0	0	0	3	0	
					R4-2	2	3	2	0	0	0	3	0	
					R4-3	1	4	0	0	1	0	4	0	
Reach 3 (Lower Mechanicville Pool)	5	5	10	10	R3-1	2	3	2	0	0	0	3	0	
					R3-2	2	3	2	0	0	0	3	0	
					R3-3	1	4	1	0	0	0	4	0	
Reach 2 (Lock 1 Pool)	5	6	10	10	R2-1	2	2	2	0	0	0	2	0	
					R2-2	1	3	1	0	0	0	3	0	
					R2-3	2	2	2	0	0	0	2	0	
					R2-4	0	3	0	0	0	0	3	0	
					R2-5	0	0	0	0	0	0	0	0	
					R2-6	1	0	0	1	0	0	0	0	
Reach 1 (Waterford Pool)	5	5	10	10	R1-1	2	3	2	0	0	0	3	0	
					R1-2	1	2	1	0	0	0	2	0	
					R1-3	1	3	1	0	0	0	3	0	
					R1-4	1	2	1	0	0	0	2	0	
Total	85	89	122	143				48	32	1	2	6	120	23

Note:
SPSH = Spottail Shiner
SFSH = Spotfin Shiner
GOSH = Golden Shiner
FALLF = Fallfish
EMRSH = Emerald Shiner
PKSD = Pumpkinseed
RBRS = Redbreast Sunfish

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**Table 3-5 Sediment Analytical Summary Statistics for 2016 GE Data by Reach
Hudson River PCB Sediments Site OU-2, New York**

Location	Analyte	Sample Counts	Frequency of Detect	Frequency of Non-detect	Detected Concentrations (mg/kg)		
					Minimum	Average	Maximum
Reach 8	Total Organic Carbon	33	33	0	1,100	14,261	49,000
	Total PCB Aroclors	33	32	1	0.040	4.05	30.6
Reach 7	Total Organic Carbon	27	27	0	1,450	11,561	55,100
	Total PCB Aroclors	27	27	0	0.780	4.20	13.2
Reach 6	Total Organic Carbon	43	43	0	1,430	12,545	42,000
	Total PCB Aroclors	43	43	0	0.170	2.46	17.0
Reach 5	Total Organic Carbon	63	61	2	1,200	11,341	36,000
	Total PCB Aroclors	63	59	4	0.030	2.15	57.0
Reach 4	Total Organic Carbon	6	6	0	13,000	17,667	25,000
	Total PCB Aroclors	6	6	0	0.850	2.26	6.10
Reach 3	Total Organic Carbon	7	5	2	4,000	11,171	39,000
	Total PCB Aroclors	7	7	0	0.360	1.75	3.50
Reach 2	Total Organic Carbon	11	11	1	3,600	5,164	14,000
	Total PCB Aroclors	11	10	1	0.050	0.357	1.24
Reach 1	Total Organic Carbon	25	25	0	910	10655	34100
	Total PCB Aroclors	25	22	3	0.130	0.562	1.71

Notes:
Statistics are based on detected results only and do not include field duplicates.
mg/kg: milligrams per kilogram
PCB: polychlorinated biphenyl

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Table 4-1 Average Concentrations by River Reach

Location	Strata	Acres	N	No. Detects	Total Aroclor Concentrations (mg/kg)													
					Min. Detect	Max. Detect	Average ¹	Variance	Skew	Std. Error of Mean (SEM)	Statistical Intervals (LCL, UCL)		Reach Averages					
											±2*SEM	95% Chebyshev CLs ¹	Reach Average	Variance	Std. Error of Mean (SEM)	Statistical Intervals (LCL, UCL)		%RE ³
																±2*SEM	95% Chebyshev CLs ²	
Reach 8	Dredged	304.0	138	118	0.0187	9.936	0.93	2.29	2.99	0.13	(0.67, 1.18)	(0.12, 1.73)	1.85	10.49	0.21	(1.43, 2.26)	(0.55, 3.14)	70%
	Non-Dredged	225.8	106	101	0.04	30.6	3.04	21.16	3.68	0.45	(2.15, 3.94)	(0.25, 5.83)						
Reach 7	Dredged	28.8	28	25	0.0297	9.723	1.10	3.98	3.40	0.38	(0.35, 1.85)	(0.00, 3.45)	4.83	61.49	0.72	(3.38, 6.28)	(0.31, 9.36)	94%
	Non-Dredged	108.3	89	89	0.1337	60.9	6.01	79.59	5.12	0.95	(4.12, 7.90)	(0.10, 11.92)						
Reach 6	Dredged	58.3	30	29	0.2728	3.688	1.35	0.98	0.99	0.18	(0.99, 1.71)	(0.22, 2.48)	2.40	7.78	0.25	(1.90, 2.91)	(0.83, 3.98)	66%
	Non-Dredged	192.8	92	92	0.1605	19.09	2.75	10.00	3.66	0.33	(2.09, 3.41)	(0.69, 4.81)						
Reach 5	Dredged	57.6	20	20	0.0072	2.48	0.75	0.49	1.33	0.16	(0.44, 1.06)	(0.00, 1.72)	1.44	12.43	0.20	(1.04, 1.85)	(0.18, 2.70)	87%
	Non-Dredged	1124.4	285	275	0.03	57	1.49	13.27	12.76	0.22	(1.06, 1.92)	(0.15, 2.84)						
Reach 4	Dredged	13.1	11	11	0.4556	67.12	8.01	403.05	3.07	6.05	(0.00, 20.11)	(0.00, 45.81)	1.41	20.20	0.29	(0.84, 1.99)	(0.00, 3.21)	127%
	Non-Dredged	175.5	233	194	0.0218	15.638	1.10	2.13	4.90	0.10	(0.91, 1.29)	(0.50, 1.70)						
Reach 3	Dredged	15.5	12	8	0.1131	14.113	1.41	16.13	3.42	1.16	(0.00, 3.73)	(0.00, 8.65)	2.10	29.59	0.51	(1.09, 3.12)	(0.00, 5.27)	151%
	Non-Dredged	180.9	103	102	0.038	39.798	2.19	31.16	5.62	0.55	(1.09, 3.29)	(0.00, 5.62)						
Reach 2	Dredged	4.0	3	2	0.1758	0.4335	0.20	0.05	0.55	0.13	(0.00, 0.45)	(0.00, 0.99)	0.44	0.23	0.05	(0.34, 0.55)	(0.11, 0.77)	75%
	Non-Dredged	257.4	77	71	0.0294	2.361	0.45	0.23	1.68	0.05	(0.34, 0.56)	(0.11, 0.79)						
Reach 1	Dredged	5.2	3	3	0.0548	0.5162	0.31	0.06	-1.01	0.14	(0.04, 0.59)	(0.00, 1.16)	0.68	1.80	0.11	(0.45, 0.90)	(0.00, 1.38)	104%
	Non-Dredged	452.8	138	128	0.0218	15.36	0.68	1.83	9.49	0.12	(0.45, 0.91)	(0.00, 1.40)						

Notes:

¹ The values within dredged and non-dredged areas are simple means, but due to the sample design they are representative of the area weighted average.

² Nonparametric 95% lower (LCL) and upper (UCL) confidence limits computed using the nonparametric Chebyshev inequality with Cantelli's refinement as recommended in U.S. EPA's ProUCL Version 5.1.002 Technical Guide (Equation 2-46) for highly skewed data sets.

³ Relative Error (RE) defined as (UCL - Average) / Average.

CL = Confidence limit.

LCL = Lower confidence limit.

UCL = Upper confidence limit.

N = Number of environmental samples.

RE = Relative error.

SEM = Standard error of mean.

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**Table 4-2: Power to Detect an 8% Annual Change from 2017 Baseline Total
PCB Aroclors in Recoverable Sediment Over a 5-year Timeframe**

Reach	2017 Baseline Samples							
	Baseline Mean (mg/kg)			Power Analysis				
	No. Samples	Mean	Std. Dev.	Delta	Standardized Effect Size (d)	Power	No. Samples Planned	Power (N=Planned)
8	244	1.85	3.24	-0.63	-0.19	69%	237	68%
7	117	4.83	7.84	-1.65	-0.21	48%	139	54%
6	122	2.40	2.79	-0.82	-0.29	74%	138	79%
5	305	1.44	3.53	-0.49	-0.14	53%	302	52%
4	244	1.41	4.49	-0.48	-0.11	32%	311	38%
3	115	2.10	5.44	-0.72	-0.13	26%	212	39%
2	80	0.44	0.47	-0.15	-0.32	64%	247	97%
1	141	0.68	1.34	-0.23	-0.17	42%	205	54%
Totals¹	1,368						1,791	

Notes:
¹ Totals includes 215 samples collected by EPA in 2016 in the non-dredged areas.

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**Table 4-3 Pearson Correlation Coefficients between PCBs,
and TOC and Grain Size**

	Aroclor 1221	Aroclor 1242	Aroclor 1254	Measured Tri+ PCBs
Total Organic Carbon	<i>0.23241</i>	<i>0.20537</i>	<i>0.15216</i>	0.19559
	<.0001	<.0001	<.0001	0.1155
	706	706	706	66
Sand	0.03499	<i>0.08051</i>	-0.06532	0.12834
	0.3532	0.0324	0.0829	0.3044
	706	706	706	66
Fines	-0.01197	<i>-0.09475</i>	-0.00559	-0.06484
	0.7508	0.0118	0.8822	0.605
	706	706	706	66
Tabled values show: Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations Note: PCB = Polychlorinated biphenyl				

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