

**2020 SUPPLEMENTAL INVESTIGATION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK**

Prepared for:



**115 Tabor Road
Morris Plains, New Jersey 07950**

Prepared by:

Wood Environment & Infrastructure Solutions, Inc.
511 Congress Street
Portland, Maine 04101

May 2021

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Project No. 3616206115

A handwritten signature in blue ink, reading "Eric C. Sandin".

Eric C. Sandin
Project Manager

A handwritten signature in black ink, reading "Nathan W. Hagelin".

Nathan W. Hagelin
VP Program Manager

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INTRODUCTION

1. EXECUTIVE SUMMARY

This report presents the results of the supplemental sampling completed in September 2020 at the Old Chenango Canal Site in Utica, New York (Site). Wood Environment and Infrastructure Solutions (Wood), supported by Anchor QEA, implemented the activities described in the *2020 Supplemental Investigation Work Plan* submitted by Wood on behalf of Honeywell (Work Plan) during the period from September 13 through September 23, 2020. The Work Plan was executed as submitted to NYSDEC with the exception of a few tasks that could not be completed due to impracticability and safety concerns.

This additional characterization investigation was required by the New York State Department of Environmental Conservation (NYSDEC) to collect additional data to further define the extent of polychlorinated biphenyls (PCBs) at the Site in support of evaluating remedial options. Five investigations completed between 2009 and 2019 formed the basis of a Conceptual Remedial Approach submitted to NYSDEC for consideration in March 2019. This additional 2020 data augments the prior data set and supports our understanding of the Site as described in the Conceptual Remedial Approach submittal. In summary:

- The results from channel borings provide additional evidence that elevated levels of PCBs are typically limited to the top 2 feet of creek bed material. Only 1 of 66 samples analyzed from depths below 3 feet exceeded 1 ppm (1.6 ppm).
- Upland surface and shallow soil results are consistent with prior interpretations and the conceptual site model.
- The comprehensive data set collected as part of multiple investigations defines the nature and extent of PCB impacts at the Site. This information provides sufficient data to inform the evaluation of remedial alternatives in the Feasibility Study.
- Supplemental information required to support the detailed design can be collected as part of the pre-design investigation following selection of an appropriate remedy.

The Work Plan was submitted on August 14, 2020 and was approved by NYSDEC on September 16, 2020. The Site (Figure 1) is delineated in successive segments (A through E) that reflect differing physical characteristics that will be considered during the evaluation of remedial alternatives. This report will follow the approach presented in the Work Plan and describe the scope completed and results by segment.

BACKGROUND

2. BACKGROUND

Tasks were performed in accordance with the approved Work Plan. Wood and Anchor QEA provided personnel to conduct sampling and survey tasks and to direct and oversee the drilling subcontractor (Parratt-Wolff). Two Geoprobe drilling rigs were utilized to collect subsurface samples using standard Geoprobe techniques. One rig consisted of a tractor mounted direct-push drill that was utilized to complete borings within the creek channel. A second track mounted Geoprobe was mobilized towards the end of the field program to complete a portion of the borings in Segment E.

Soil and channel sediment samples were collected by hand methods and by Geoprobe. A total of 267 samples (not including quality assurance duplicates) were submitted for analysis for PCBs. Upland surficial soil samples, which were collected by hand methods, are designated “SS” (locations SS-500 to SS-570), and soil boring samples collected by Geoprobe are designated “SB” (locations SB-501 to SB-535). Samples were numbered sequentially as collected, and the sample IDs include depth identifiers. Field logs from the Geoprobe borings are provided in Appendix A.

All samples were analyzed by Eurofins TestAmerica. Field samples were transported daily under custody control to the TestAmerica receiving center in Syracuse, New York, where they were shipped onward for analysis at TestAmerica Laboratories in North Canton, Ohio. Laboratory electronic deliverable packages were provided and reviewed for completeness and accuracy. Following review from the project team, they were uploaded to Honeywell Technical Services (an independent chemistry support group) for validation. Wood reviewed the validator’s findings and prepared a Data Validation Summary Report (DVSR) in compliance with current NYSDEC Data Usability Report Guidelines. The data have been deemed to be acceptable and usable for the purposes of this project. Final results were uploaded to EQUIS, and the DVSR has been included as Appendix B. An electronic data deliverable will also be provided to NYSDEC.

Sample locations were determined by GPS during data collection, and the results are represented on two sets of figures. Figures 2 through 6 are GIS-based representations of all samples collected during the 2020 Supplemental Investigation with total PCB results illustrated by color-coded concentration range and depth. Figures 7 to 14 are CAD drawings with surveyed topography and infrastructure and with the 2020 data in addition to sample results collected as part of previous presentations. Segment A was the subject of an Interim Remedial Measure (IRM), and the 2020 samples shown on Figure 7 are plotted on a grid representing the documentation data at the limits of the IRM.

Table 1 (Soil Boring Samples) and Table 2 (Surficial Soil Samples) present cross-tabulated results and identify the sample interval for each sample analyzed. As described in the Work Plan, additional depths were collected and archived at the laboratory. Once initial results were reviewed, the Honeywell project team

BACKGROUND

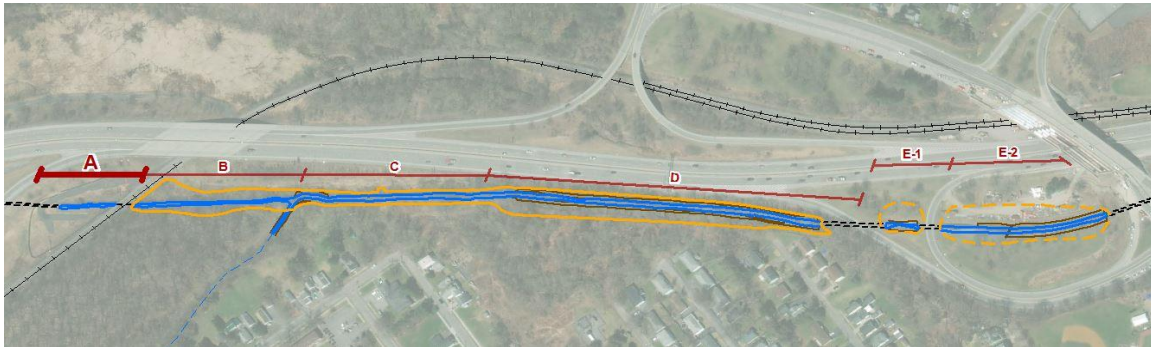
determined that the data laboratory from the initial sample set had adequately met the investigation objectives, and no additional archived samples needed to be analyzed.

The scope performed and deviations from the Work Plan are discussed by segment in Section 3. General activities such as flow gauging and physical samples that were planned to provide data for remedy design will be included in the Feasibility Study as necessary to support alternative evaluation.

RESULTS

3. RESULTS

3.1 Segment A



Segment A starts at the outlet from the French Road culvert and extends eastward to the railroad corridor that crosses the canal.

Figures 2 and 8 illustrate sample locations and total PCB results from Segment A.

Five Geoprobe borings (SB-522 to SB-526) were completed to the south of the canal as planned. These were advanced through rip rap and clean soil that had been restored during the IRM, and each terminated at a total depth of 20 feet. Refusal was not reached, and the overburden was generally described as brown to yellow-brown fine to coarse sand with varying amounts of silt and fine gravel. Occasional finer silt or sand layers were noted.

Borings SB-524 and SB-525 were positioned close to the canal and within IRM cells C-13 and C-14 where the excavation was advanced to the water table and where samples collected from the limit of excavation had indicated elevated PCBs. The water table was encountered at 3 feet in these borings, and the initial interval (3 to 4 feet) is interpreted to represent material below the approximate limit of the prior IRM excavation. Samples were collected for analysis from successive intervals starting at 3 feet below current grade, and the subsequent three 1-foot intervals from each boring were submitted for analysis.

Borings SB-522, SB-523, and SB-526 are located on slightly higher ground in cells adjacent to C-13 and C-14. The water table in these borings was encountered at 5 feet below grade; therefore, the 5- to 6-foot sample interval is the first sample within saturated overburden and reflects the same elevation interval as the 3- to 4-foot intervals in SB-524 and SB-525.

Analytical Results: PCBs were not reported in the 12 samples from these borings at levels that would indicate a residual source. The shallowest sample from SB-525 was the only result above 1 ppm (1.57 ppm total PCBs).

RESULTS

A sediment sample was collected from material within the railroad culvert (SS-516). Some depositional material is present within the culvert, although it appears minimal due to storm water flushing. Culvert sediment can be targeted for removal as part of the final remedy. Based on observations during the field program, it is apparent that ongoing sediment deposition is occurring within the channel bottom of Segment A based on discharges from the French Road culvert. Silt and sand from upstream road grates are discharged from the storm sewer and are being deposited on top of the channel cap within Segment A.

Analytical Results: The railroad culvert sediment sample (SS-516) exhibited a total PCB concentration of 24.6 ppm.

No borings were completed through the restored canal bed and original wooden floor of the lock (ca. 1835) that is present in this segment. NYSDEC had requested sub-floor samples to confirm the absence of impact; however, the project team determined that a representative sample could not be collected without a more detailed engineering plan that would require dewatering the canal section and removal of clean channel cap material placed during the NYSDEC-approved IRM.

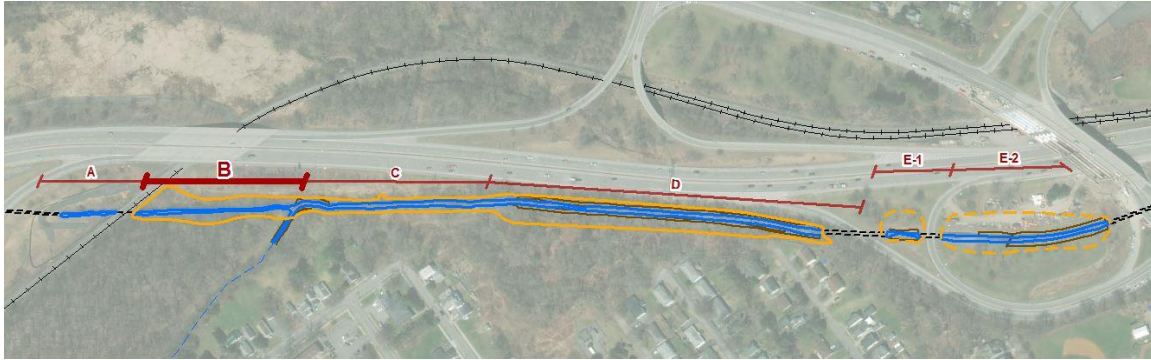
As Honeywell has discussed with NYSDEC, the wood forms the bottom of the historical system and is covered by the channel treatment cap, which includes Sedimite and clean erosion-resistant bed stone that was placed during the IRM. The IRM cap remedy eliminates any potential PCB exposure scenarios associated with the historical wood channel base.



Segment A looking west at French Rd storm sewer culvert. Since 2018, road sand from culvert discharge has deposited on the restored canal bed.

RESULTS

3.2 Segment B



Segment B extends from the railroad corridor to the confluence with a creek that enters from the south.

Figures 3 and 9 illustrate sample locations and total PCB results from Segment B.

Five Geoprobe borings (SB-517 to SB-521) were completed within the Segment B channel. Geoprobe refusal was reached between 8 and 15.5 feet in these borings. Till was confirmed in three borings at depths of 15 feet in SB-520 (upstream), 8 feet in SB-519, and 8.5 feet in SB-518 (downstream). Consistent with prior investigations, the surficial sandy overburden overlies very dense gray till that becomes progressively shallower in downstream segments.

Analytical Results: A total of 24 intervals were analyzed from these five borings. The shallowest interval (0 to 0.5 feet) from each boring contained the highest levels of PCBs, ranging from 38 to 156 ppm (SB-517, SB-519 to SB-521) and highest at 1,030 ppm (SB-518).

The second depth interval analyzed (2 to 2.5 feet) in each boring ranged from 0.1 to 4.2 ppm total PCBs, confirming that the vast majority of residual PCB mass is present in the first 2 feet of channel material.

No samples from any of the 14 deeper intervals contained total PCBs greater than 1 ppm.

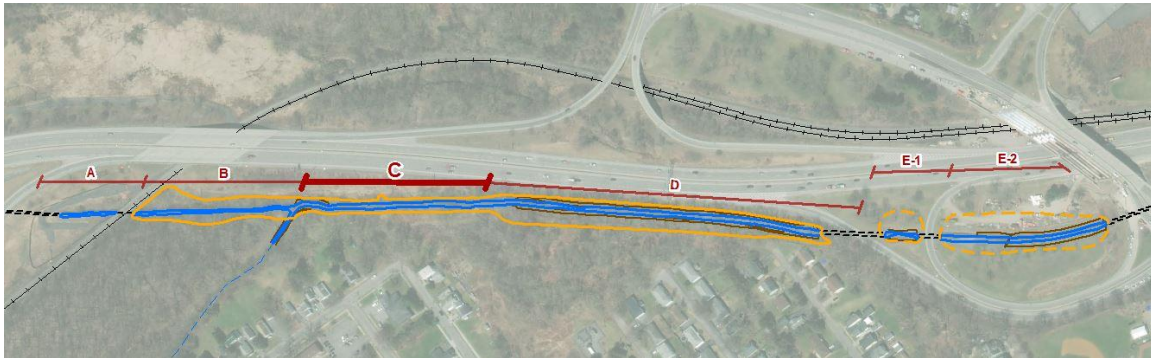
Surface samples (0 to 1 feet) were collected at 24 upland locations to the north and south of the channel along Segment B (SS-503 to SS-515, SS-517 to SS-522, SS-526 to SS-530). A second interval (between 1 and 2 feet) was analyzed at 20 of the 24 locations. A third interval (2 to 3 feet) was analyzed at one location where impact greater than 1 ppm was detected (SS-513).

Analytical Results: A total of 47 shallow upland soil samples were submitted for analysis (45 depth intervals plus 2 duplicates). Only 8 of 47 results reported total PCBs greater than 1 ppm and three of these were from one location (SS-513). Only samples from SS-513 exhibited higher

RESULTS

concentrations above 2 ppm and only at this location were results above 1 ppm found deeper than the surface interval: 5.69 ppm (1 to 2 feet) and 8.94 ppm (2 to 3 feet). This location is on the north bank at the upstream portion of Segment B and near the railroad corridor.

3.3 Segment C



Segment C extends downstream within the original canal footprint and ends at a canal lock characterized by some remnant vertical walls and a wood floor.

Figures 4 and 10 illustrate sample locations and total PCB results from Segment A.

Six Geoprobe borings were completed within Segment C in the canal channel (SB-501 to SB-504, SB-515 and SB-516). Till was confirmed at depths from 3 to 5.5 feet below the channel bed. The furthest downstream boring (SB-504) was attempted within a remnant section of canal lock, which exhibited similar conditions to Segment A with vertical limestone block walls and a wood floor. The floor is covered with 2 to 3 feet of sediment, and SB-504 encountered refusal on the wood at 2.7 feet below the current sediment surface. Similar to Segment A, the wood appears structurally intact and can be inferred to represent a distinct boundary between overlying material with PCB impacts and underlying native soil.

Analytical Results: In the five borings upstream of the lock, a total of 24 depth intervals were analyzed. At least two samples collected from the underlying till were analyzed from each boring. The shallow sediment samples in the top 2 feet were all below 10 ppm, and all of the till samples were below 1 ppm total PCBs. The exception was SB-501 from 2 to 3 feet with 49.6 ppm, although the next three intervals (3 to 6 feet) contained concentrations below 0.1 ppm.

Two samples were collected from the boring within the lock (SB-504) from material on the wooden lock floor. These contained elevated PCBs: 58.4 ppm in the 1- to 2-foot interval and 503 ppm in the 2- to 2.7-foot interval terminating on wood. The investigation did not include the collection of wood samples for analysis.

RESULTS

Tractor-mounted direct-push sampling in Segment C (SB-501):

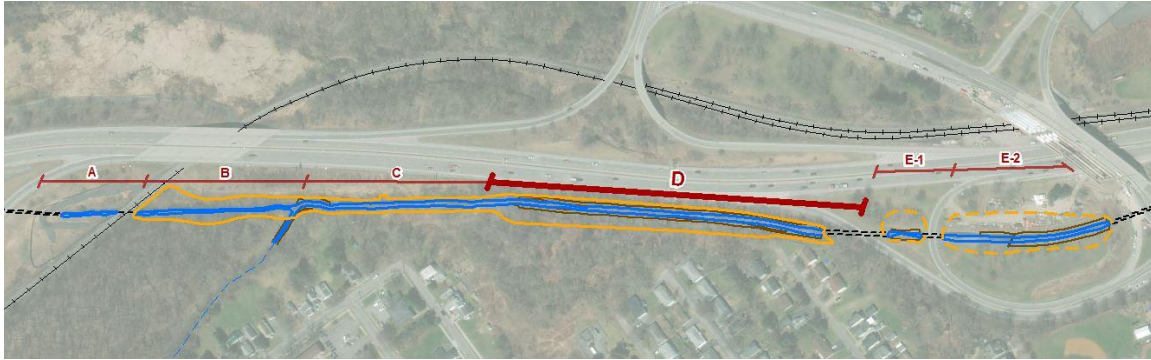


Samples were collected at 17 upland locations to the north and south of the channel in Segment C (SS-500 to SS-502, SS-523 to SS-525, SS-531 to SS-537, SS-545, SS-546, SS-554, SS-555). The 0- to 1-foot and 1- to 2-foot depth intervals were analyzed at each location except SS-532 and SS-535, where only the surface interval was collected and analyzed due to site conditions.

Analytical Results: A total of 34 shallow upland soil samples were analyzed within Segment C in accordance with the Work Plan. Only three locations (5 of 31 results) contained PCBs above 1 ppm: SS-532 (1.7 ppm), SS-533 (26.2 and 32.7 ppm), and SS-536 (7.16 and 6.93 ppm).

RESULTS

3.4 Segment D



Segment D is a rock-armored storm channel that NYS constructed in the early 1960s to move the watercourse south from the planned highway alignment. It ends at a culvert that passes under a highway offramp.

Figures 5, 6, 11 and 12 illustrate sample locations and total PCB results from Segment D.

Segment D is the first segment constructed as part of the Arterial Highway project in the 1960s. It was created to divert the Nail Creek channel from the original canal alignment and is lined on the bottom and the lower banks with 2-foot-thick quarried limestone block for erosion protection.

The photo at right shows the north bank along Segment D with large armor blocks extending from the creek upward and transitioning to riprap on the upper slope near the highway shoulder.



RESULTS

Samples were collected from nine borings (SB-505 to SB-507, SB-509 to SB-514). There is no boring log for SB-508 as repeated attempts to advance through the rock armor were unsuccessful and no samples were collected.

Similar to the previous sampling investigations along this segment, physical conditions encountered during the event led to some deviations from the Work Plan. The rock armor on the channel bed was obscured along much of the segment by a foot or more of material (cobbles, sand, and silt) that has accumulated and covers the blocks. The planned technique was to probe between armor blocks, only in areas where the cobble bed was absent due to scour or was thin enough to discover joints between the stone. Additionally, the Geoprobe was not able to access the section immediately upstream of the culvert under the highway offramp due to fallen trees. These presented a safety hazard that was not reasonable to address with the drilling subcontractor and their associated health and safety plan. As discussed, it was agreed to evaluate the supplemental results to determine if a remobilization was necessary in this subsection of the channel.

The channel borings encountered dense till at approximately 4 feet below current grade. This matches the conceptual site model given the fact that the quarried armor blocks are approximately 2 feet thick and typically overlain by 1 to 2 feet of sediment.



The photo above shows typical native silty till found below the sandy creek bed.

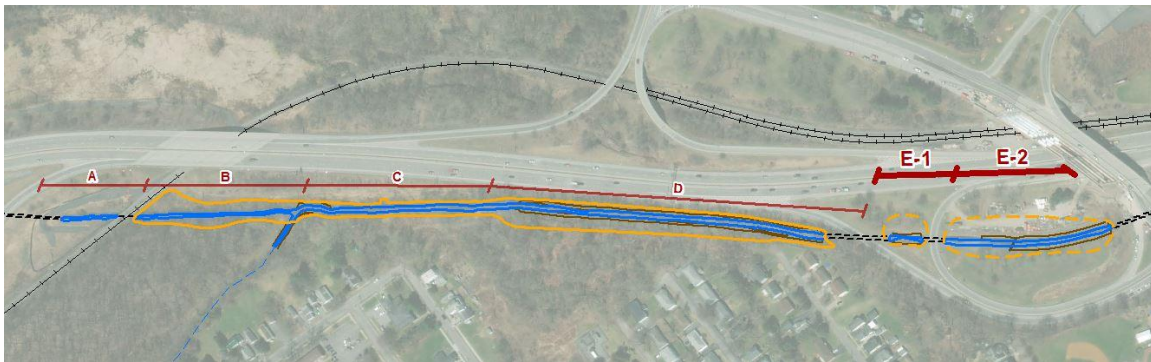
Analytical Results: A total of 33 samples were analyzed from the nine borings. Results from intervals shallower than 2 feet (10 of 33 samples) ranged from 1.64 ppm to 10.4 ppm. The remaining samples below 2 feet were all below 1 ppm with the exception of SB-507 (1.69 ppm in the 2.5- to 3-foot interval and then non-detect in the 3- to 4-foot sample).

RESULTS

Samples were collected at 21 surface soil locations from the north and south banks along Segment D (SS-538 to SS-544, SS-551 to SS-553, SS-556 to SS-561, SS-566 to SS-570) in accordance with the Work Plan.

Analytical Results: A total of 42 samples were analyzed from the 22 locations. Twenty of the 42 exceeded 1 ppm, and 2 of these were above 10 ppm (13.6 ppm from 0 to 1 foot at SS-551 and 13.7 ppm from 1 to 2 feet at SS-569). The results are consistent with the prior interpretation of PCB impacts in this area.

3.5 Segment E



Segment E consist of two rock-armored open-channel segments within the Burrstone Road Interchange.

Figures 7, 13 and 14 illustrate sample locations and PCB results from Segment E.

Segments E-1 and E-2 are bounded by the highway, offramps, and Burrstone Road. Sampling completed in 2020 consisted of Geoprobe borings and hand samples, but there were some deviations from the Work Plan approach since the drill rig could not be mobilized into the channel.

In Segment E-1, a thick deposit of sandy sediment has built up on the channel bottom, and it was determined that a Geoprobe rig would not be successful in identifying locations for penetration though armor block without the removal of this material. Also, the steep armored sides of this sub-segment did not allow for access without an engineered solution to lower a drill rig into the channel bottom (e.g., a crane). Hand samples were not collected since they could not be advanced through the deposits to depths that would provide additional insight of levels of PCBs below the armor stone.

In Segment E-2, debris has created a dam that has created a deeper pool feature upstream of the steel grate in the middle of this sub-segment. As a result of this physical feature within the channel, finer sediment and debris settle out and deposit

RESULTS

on the channel bottom in this area. The New York State Department of Transportation (NYSDOT) periodically removes debris and sediment (from both Segments E-1 and E-2) to limit material from transport into the Utica Box Culvert.

Because conditions in September 2020 were not suitable for channel borings, an alternative approach was identified, and five angled borings were completed from the top of the channel banks to target materials behind the armor stone. The objective was focused on documenting conditions of the material present beneath the armor stone and defining the limits of impact outside the channel.

The borings extended to a depth of 16 feet to obtain samples from depths approximating the elevations of the channel bed and underlying soil. Similar borings were advanced in a prior investigation phase, and the 2020 samples provide additional data density in Segment E.

Analytical Results: The angled borings advanced from the top bank (SB-529 to SB-531, SB-534, SB-535) reached depths of 11 to 16 feet, and five to eight depth intervals per boring were submitted for analysis. Six of the 31 samples contained total PCBs at levels above 1 ppm, with the highest reported at 6.82 ppm. All samples from intervals below 3 feet were less than 1 ppm.

Upland soil samples were obtained through hand sampling as well as Geoprobe borings since this area is mowed and readily accessible. It is important to note that NYSDOT has modified the surface conditions based on the bridge construction work that has been ongoing for the last 1 to 2 years. Nine locations were sampled (SB-527, SB-528, SB-532, SB-533, SS-547, SS-548, SS-562 to SS-564) and two depth intervals (0 to 1 feet) and (1 to 2 feet) were analyzed to augment prior results within this segment.

Analytical Results: Eleven of 20 results were above 1 ppm, with one of these above 10 ppm (11.1 ppm at SB-527). These results are consistent with prior range of results within this interchange area.

Two sediment samples were collected at the downstream end of the Segment E-1 channel. The armor block is scoured in this area due to strong flow, and sediment samples were obtained from between block joints at depths of 1 foot (SS-549) and 1.7 feet (SS-550).

Analytical Results: The sediment samples yielded results of 5.43 ppm (SS-549) and 3.98 ppm (SS-550).

SUMMARY OF NOTABLE FINDINGS

4. SUMMARY OF NOTABLE FINDINGS

1. This sampling program represents the 6th distinct field investigation conducted at the Site as part of the Remedial Investigation and supplemental investigations.
2. More than 260 additional sample results have been added to the existing Site data set of over 350 samples, and the results are consistent with prior interpretations of the distribution of PCBs at the Site.
3. The results from channel borings provide additional evidence that elevated levels of PCBs are typically limited to the top 2 feet of creek bed material. Only 1 of 66 samples analyzed from depths below 3 feet exceeded 1 ppm (1.6 ppm).
4. Upland surface and shallow soil results are consistent with prior interpretations and the conceptual site model.
5. The comprehensive data set collected as part of multiple investigations defines the nature and extent of PCB impacts at the Site. This information provides sufficient data to inform the evaluation of remedial alternatives in the Feasibility Study.
6. Supplemental information required to support the detailed design or to address remaining data gaps can be collected as part of the pre-design investigation following selection of an appropriate remedy.

ABBREVIATIONS AND ACRONYMS

5. ABBREVIATIONS AND ACRONYMS

DVSR	Data Validation Summary Report
IRM	Interim Remedial Measure
NYSDEC	New York State Department of Environmental Conservation
NYSDOC	New York State Department of Transportation
PCB	polychlorinated biphenyl
Site	Old Chenango Canal Site in Utica, New York
Wood	Wood Environment and Infrastructure Solutions
Work Plan	<i>2020 Supplemental Investigation Work Plan</i>

TABLES

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-501		SB-501		SB-501		SB-501		SB-501		SB-502		SB-502	
Sample ID	SB501005XX		SB501030XX		SB501040XX		SB501050XX		SB501065XX		SB502005XX		SB502030XX	
Sample Date	9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020	
	240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1	
Sample Depth (feet below surface)	0.0-0.5		2.0-3.0		3.0-4.0		4.5-5.0		6.0-6.5		0.0-0.5		2.0-3.0	
Segment ID	C		C		C		C		C		C		C	
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.292 U		5.94 U		0.0552 U		0.0538 U		0.0516 U		0.294 U		0.0595 U	
Aroclor-1221	0.292 U		5.94 U		0.0552 U		0.0538 U		0.0516 U		0.294 U		0.0595 U	
Aroclor-1232	0.292 U		5.94 U		0.0552 U		0.0538 U		0.0516 U		0.294 U		0.0595 U	
Aroclor-1242	0.292 U		5.94 U		0.0552 U		0.0538 U		0.0516 U		0.294 U		0.0595 U	
Aroclor-1248	0.292 U		5.94 U		0.0552 U		0.0538 U		0.0516 U		0.294 U		0.0595 U	
Aroclor-1254	1.6		49.6		0.0683		0.0884		0.0711		2		0.0595 U	
Aroclor-1260	0.292 U		5.94 U		0.0552 U		0.0538 U		0.0516 U		0.294 U		0.0595 U	
Aroclor-1262	0.292 U		5.94 U		0.0552 U		0.0538 U		0.0516 U		0.294 U		0.0595 U	
Aroclor-1268	0.292 U		5.94 U		0.0552 U		0.0538 U		0.0516 U		0.294 U		0.0595 U	
Total PCBs (summed detections)	1.6		49.6		0.0683		0.0884		0.0711		2		0.0595 U	
MOISTURE (%)														
Percent Moisture	17.8		16.6		9.3		7.3		6.7		18.1		12.6	
Percent Solids	82.2		83.4		90.7		92.7		93.3		81.9		87.4	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-502		SB-502		SB-502		SB-503		SB-503		SB-503		SB-503	
Sample ID	SB502040XX		SB502050XX		SB502060XX		SB503005XX		SB503030XX		SB503050XX		SB503070XX	
Sample Date	9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020	
	240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1	
Sample Depth (feet below surface)	3.5-4.0		4.5-5.0		5.5-6.0		0.0-0.5		2.0-3.0		4.5-5.0		6.5-7.0	
Segment ID	C		C		C		C		C		C		C	
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.051 U		0.0528 U		0.0528 U		0.308 U		0.0631 U		0.053 U		0.0542 U	
Aroclor-1221	0.051 U		0.0528 U		0.0528 U		0.308 U		0.0631 U		0.053 U		0.0542 U	
Aroclor-1232	0.051 U		0.0528 U		0.0528 U		0.308 U		0.0631 U		0.053 U		0.0542 U	
Aroclor-1242	0.051 U		0.0528 U		0.0528 U		0.308 U		0.0631 U		0.053 U		0.0542 U	
Aroclor-1248	0.051 U		0.0528 U		0.0528 U		0.308 U		0.0631 U		0.053 U		0.0542 U	
Aroclor-1254	0.051 U		0.0907		0.0528 U		4.02		0.152		0.733		0.0542 U	
Aroclor-1260	0.051 U		0.0528 U		0.0528 U		0.308 U		0.0631 U		0.053 U		0.0542 UJ	
Aroclor-1262	0.051 U		0.0528 U		0.0528 U		0.308 U		0.0631 U		0.053 U		0.0542 U	
Aroclor-1268	0.051 U		0.0528 U		0.0528 U		0.308 U		0.0631 U		0.053 U		0.0542 U	
Total PCBs (summed detections)	0.051 U		0.0907		0.0528 U		4.02		0.152		0.733		0.0542 U	
MOISTURE (%)														
Percent Moisture	2.9		6.1		7.0		18.8		18.6		7.7		10	
Percent Solids	97.1		93.9		93.0		81.2		81.4		92.3		90.0	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-504		SB-504		SB-505		SB-505		SB-505		SB-505		SB-505		
Sample ID	SB504020XX		SB504030XX		SB505005XX		SB505030XX		SB505040XX		SB505050XX		SB505060XX		
Sample Date	9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		
	240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		
Sample Depth (feet below surface)	1.0-2.0		2.0-2.7		0.0-0.5		2.0-2.8		3.5-4.0		4.5-5.0		5.5-6.0		
Segment ID	D		D		D		D		D		D		D		
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		
Polychlorinated Biphenyls(PCBs) (mg/kg)															
Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	5.78	U	75	U	0.293	U	0.0559	U	0.0512	U	0.054	U	0.05	U	
	5.78	U	75	U	0.293	U	0.0559	U	0.0512	U	0.054	U	0.05	U	
	5.78	U	75	U	0.293	U	0.0559	U	0.0512	U	0.054	U	0.05	U	
	5.78	U	75	U	0.293	U	0.0559	U	0.0512	U	0.054	U	0.05	U	
	5.78	U	75	U	0.293	U	0.0559	U	0.0512	U	0.054	U	0.05	U	
	58.4		503		2.25		0.334		0.0512	U	0.054	U	0.05	U	
	5.78	U	75	U	0.293	U	0.0559	U	0.0512	U	0.054	U	0.05	U	
	5.78	U	75	U	0.293	U	0.0559	U	0.0512	U	0.054	U	0.05	U	
	5.78	U	75	U	0.293	U	0.0559	U	0.0512	U	0.054	U	0.05	U	
	58.4		503		2.25		0.334		0.0512	U	0.054	U	0.05	U	
Total PCBs (summed detections)															
MOISTURE (%)															
Percent Moisture	14.7		35.0		17.6		9.4		6.9		8.8		4.1		
Percent Solids	85.3		65.0		82.4		90.6		93.1		91.2		95.9		

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-506		SB-506		SB-507		SB-507		SB-507		SB-507		SB-509		
Sample ID	SB506030XX		SB506050XX		SB507005XX		SB507030XX		SB507040XX		SB507050XX		SB509005XX		
Sample Date	9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		
	240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		
Sample Depth (feet below surface)	2.0-3.0		4.0-5.0		0.0-0.5		2.5-3.0		3.0-4.0		4.5-5.0		0.0-0.5		
Segment ID	D		D		D		D		D		D		D		
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		
Polychlorinated Biphenyls(PCBs) (mg/kg)															
Aroclor-1016	0.0553	U	0.0531	U	0.602	U	0.277	U	0.0545	U	0.0528	U	0.606	U	
Aroclor-1221	0.0553	U	0.0531	U	0.602	U	0.277	U	0.0545	U	0.0528	U	0.606	U	
Aroclor-1232	0.0553	U	0.0531	U	0.602	U	0.277	U	0.0545	U	0.0528	U	0.606	U	
Aroclor-1242	0.0553	U	0.0531	U	0.602	U	0.277	U	0.0545	U	0.0528	U	0.606	U	
Aroclor-1248	0.0553	U	0.0531	U	0.602	U	0.277	U	0.0545	U	0.0528	U	0.606	U	
Aroclor-1254	0.299		0.0551		10.4		1.69		0.0545	U	0.0528	U	6.17		
Aroclor-1260	0.0553	U	0.0531	U	0.602	U	0.277	U	0.0545	U	0.0528	U	0.606	U	
Aroclor-1262	0.0553	U	0.0531	U	0.602	U	0.277	U	0.0545	U	0.0528	U	0.606	U	
Aroclor-1268	0.0553	U	0.0531	U	0.602	U	0.277	U	0.0545	U	0.0528	U	0.606	U	
Total PCBs (summed detections)	0.299		0.0551		10.4		1.69		0.0545	U	0.0528	U	6.17		
MOISTURE (%)															
Percent Moisture	9.7		8.2		16.2		12.7		7.7		7.8		17.9		
Percent Solids	90.3		91.8		83.8		87.3		92.3		92.2		82.1		

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-509		SB-509		SB-509		SB-509		SB-509		SB-510		SB-510		
Sample ID	SB509020XX		SB509035XX		SB509045XX		SB509045FD		SB509055XX		SB510005XX		SB510025XX		
Sample Date	9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		
	240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		
Sample Depth (feet below surface)	1.0-2.0		3.0-3.5		4.0-4.5		4.0-4.5		5.0-5.5		0.0-0.5		2.0-2.5		
Segment ID	D		D		D		D		D		D		D		
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		
Polychlorinated Biphenyls(PCBs) (mg/kg)															
Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268 Total PCBs (summed detections) MOISTURE (%)	0.312	U	0.0525	U	0.0529	U	0.0554	U	0.0538	U	0.557	U	0.0541	U	
	0.312	U	0.0525	U	0.0529	U	0.0554	U	0.0538	U	0.557	U	0.0541	U	
	0.312	U	0.0525	U	0.0529	U	0.0554	U	0.0538	U	0.557	U	0.0541	U	
	5.52		0.103		0.0529	U	0.0554	U	0.0538	U	0.557	U	0.236		
	0.312	U	0.0525	U	0.0529	U	0.0554	U	0.0538	U	0.557	U	0.0541	U	
	2.76		0.147		0.0529	U	0.0554	U	0.0538	U	7.73		0.248		
	0.312	U	0.0525	U	0.0529	U	0.0554	U	0.0538	U	0.557	U	0.0541	U	
	0.312	U	0.0525	U	0.0529	U	0.0554	U	0.0538	U	0.557	U	0.0541	U	
	0.312	U	0.0525	U	0.0529	U	0.0554	U	0.0538	U	0.557	U	0.0541	U	
	8.28		0.25		0.0529	U	0.0554	U	0.0538	U	7.73		0.484		
	Percent Moisture	17.4		7.9		6.7		7.7		8.2		11.5		10.5	
Percent Solids	82.6		92.1		93.3		92.3		91.8		88.5		89.5		

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-510		SB-510		SB-511		SB-511		SB-511		SB-511		SB-511	
Sample ID	SB510050XX		SB510060XX		SB511005XX		SB511020XX		SB511030XX		SB511055XX		SB511065XX	
Sample Date	9/14/2020		9/14/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020	
	240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1	
Sample Depth (feet below surface)	4.0-4.5		5.5-6.0		0.0-0.5		1.0-2.0		2.0-3.0		5.0-5.5		6.0-6.5	
Segment ID	D		D		D		D		D		D		D	
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.053 U		0.0532 U		0.278 U		0.318 R		0.0526 U		0.0555 U		0.052 U	
Aroclor-1221	0.053 U		0.0532 U		0.278 U		0.318 R		0.0526 U		0.0555 U		0.052 U	
Aroclor-1232	0.053 U		0.0532 U		0.278 U		0.318 R		0.0526 U		0.0555 U		0.052 U	
Aroclor-1242	0.053 U		0.0532 U		0.278 U		0.318 R		0.0526 U		0.0555 U		0.052 U	
Aroclor-1248	0.053 U		0.0532 U		0.278 U		0.318 R		0.0526 U		0.0555 U		0.052 U	
Aroclor-1254	0.053 U		0.0532 U		1.85		1.64 J-		0.0526 U		0.0555 U		0.052 U	
Aroclor-1260	0.053 U		0.0532 U		0.278 U		0.318 R		0.0526 U		0.0555 U		0.052 U	
Aroclor-1262	0.053 U		0.0532 U		0.278 U		0.318 R		0.0526 U		0.0555 U		0.052 U	
Aroclor-1268	0.053 U		0.0532 U		0.278 U		0.318 R		0.0526 U		0.0555 U		0.052 U	
Total PCBs (summed detections)	0.053 U		0.0532 U		1.85		1.64 J-		0.0526 U		0.0555 U		0.052 U	
MOISTURE (%)														
Percent Moisture	6.5		5.6		11.7		21.6		9.2		7.9		6.3	
Percent Solids	93.5		94.4		88.3		78.4		90.8		92.1		93.7	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-512		SB-513		SB-514		SB-514		SB-514		SB-514		SB-514	
Sample ID	SB512005XX		SB513020XX		SB514020XX		SB514030XX		SB514045XX		SB514060XX		SB514070XX	
Sample Date	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020	
	240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1	
Sample Depth (feet below surface)	0.0-0.5		1.5-2.0		1.5-2.0		2.5-3.0		4.0-4.5		5.5-6.0		6.5-7.0	
Segment ID	D		D		D		D		D		D		D	
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.283 U		0.309 U		0.295 U		0.0538 U		0.0554 U		0.0538 U		0.052 U	
Aroclor-1221	0.283 U		0.309 U		0.295 U		0.0538 U		0.0554 U		0.0538 U		0.052 U	
Aroclor-1232	0.283 U		0.309 U		0.295 U		0.0538 U		0.0554 U		0.0538 U		0.052 U	
Aroclor-1242	0.283 U		0.309 U		0.295 U		0.0538 U		0.0554 U		0.0538 U		0.052 U	
Aroclor-1248	0.283 U		0.309 U		0.295 U		0.0538 U		0.0554 U		0.0538 U		0.052 U	
Aroclor-1254	1.64		2.72		3.43		0.971		0.0554 U		0.0538 U		0.052 U	
Aroclor-1260	0.283 U		0.309 U		0.295 U		0.0538 U		0.0554 U		0.0538 U		0.052 U	
Aroclor-1262	0.283 U		0.309 U		0.295 U		0.0538 U		0.0554 U		0.0538 U		0.052 U	
Aroclor-1268	0.283 U		0.309 U		0.295 U		0.0538 U		0.0554 U		0.0538 U		0.052 U	
Total PCBs (summed detections)	1.64		2.72		3.43		0.971		0.0554 U		0.0538 U		0.052 U	
MOISTURE (%)														
Percent Moisture	9.9		17.4		18.9		9.5		8.5		7.7		7.7	
Percent Solids	90.1		82.6		81.1		90.5		91.5		92.3		92.3	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-515		SB-515		SB-515		SB-515		SB-515		SB-516		SB-516	
Sample ID	SB515005XX		SB515025XX		SB515050XX		SB515060XX		SB515075XX		SB516005XX		SB516025XX	
Sample Date	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020	
	240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1		240-136609-1	
Sample Depth (feet below surface)	0.0-0.5		2.0-2.5		4.0-5.0		5.5-6.0		7.0-7.5		0.5-1.0		2.0-2.5	
Segment ID	C		C		C		C		C		C		C	
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0574	U	0.0551	U	0.0535	U	0.0523	U	0.0529	U	0.572	U	0.0531	U
Aroclor-1221	0.0574	U	0.0551	U	0.0535	U	0.0523	U	0.0529	U	0.572	U	0.0531	U
Aroclor-1232	0.0574	U	0.0551	U	0.0535	U	0.0523	U	0.0529	U	0.572	U	0.0531	U
Aroclor-1242	0.392		0.0551	U	0.0535	U	0.0523	U	0.0529	U	0.572	U	0.0531	U
Aroclor-1248	0.0574	U	0.0551	U	0.0535	U	0.0523	U	0.0529	U	0.572	U	0.0531	U
Aroclor-1254	0.731		0.0551	U	0.0535	U	0.0523	U	0.0529	U	5.56		0.273	
Aroclor-1260	0.0574	U	0.0551	U	0.0535	U	0.0523	U	0.0529	U	0.572	U	0.0531	U
Aroclor-1262	0.0574	U	0.0551	U	0.0535	U	0.0523	U	0.0529	U	0.572	U	0.0531	U
Aroclor-1268	0.0574	U	0.0551	U	0.0535	U	0.0523	U	0.0529	U	0.572	U	0.0531	U
Total PCBs (summed detections)	1.12		0.0551	U	0.0535	U	0.0523	U	0.0529	U	5.56		0.273	
MOISTURE (%)														
Percent Moisture	13.3		10.6		9.3		8.0		9.5		14.6		10.2	
Percent Solids	86.7		89.4		90.7		92.0		90.5		85.4		89.8	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-516		SB-516		SB-516		SB-517		SB-517		SB-517		SB-517		
Sample ID	SB516050XX		SB516075XX		SB516090XX		SB517005XX		SB517025XX		SB517060X		SB517080XX		
Sample Date	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		
	240-136609-1		240-136609-1		240-136609-1		240-136696-1		240-136696-1		240-136696-1		240-136696-1		
Sample Depth (feet below surface)	4.0-5.0		7.0-7.5		8.5-9.0		0.0-0.5		2.0-2.5		5.5-6.0		7.5-8.0		
Segment ID	C		C		C		B		B		B		B		
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		
Polychlorinated Biphenyls(PCBs) (mg/kg)															
Aroclor-1016	0.0521	U	0.0544	U	0.054	U	11.8	U	0.0512	U	0.0586	U	0.058	U	
Aroclor-1221	0.0521	U	0.0544	U	0.054	U	11.8	U	0.0512	U	0.0586	U	0.058	U	
Aroclor-1232	0.0521	U	0.0544	U	0.054	U	11.8	U	0.0512	U	0.0586	U	0.058	U	
Aroclor-1242	0.0521	U	0.0544	U	0.054	U	11.8	U	0.0512	U	0.0586	U	0.058	U	
Aroclor-1248	0.0521	U	0.0544	U	0.054	U	11.8	U	0.0512	U	0.0586	U	0.058	U	
Aroclor-1254	0.0521	U	0.0544	U	0.0873		156		0.17		0.0586	U	0.058	U	
Aroclor-1260	0.0521	U	0.0544	U	0.054	U	11.8	U	0.0512	U	0.0586	U	0.058	U	
Aroclor-1262	0.0521	U	0.0544	U	0.054	U	11.8	U	0.0512	U	0.0586	U	0.058	U	
Aroclor-1268	0.0521	U	0.0544	U	0.054	U	11.8	U	0.0512	U	0.0586	U	0.058	U	
Total PCBs (summed detections)	0.0521	U	0.0544	U	0.0873		156		0.17		0.0586	U	0.058	U	
MOISTURE (%)															
Percent Moisture	6.1		7.6		7.2		17.3		6.5		13.2		15.7		
Percent Solids	93.9		92.4		92.8		82.7		93.5		86.8		84.3		

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-518		SB-518		SB-518		SB-518		SB-518		SB-519		SB-519	
Sample ID	SB518005XX		SB518025XX		SB518050XX		SB518065XX		SB518080XX		SB519005XX		SB519025XX	
Sample Date	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020	
	240-136696-1		240-136696-1		240-136696-1		240-136696-1		240-136696-1		240-136696-1		240-136696-1	
Sample Depth (feet below surface)	0.0-0.5		2.0-2.5		4.5-5.0		6.0-6.5		7.5-8.0		0.0-0.5		2.0-2.5	
Segment ID	B		B		B		B		B		B		B	
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	131	U	0.0532	U	0.0541	U	0.0535	U	0.0573	U	12.8	U	0.539	U
Aroclor-1221	131	U	0.0532	U	0.0541	U	0.0535	U	0.0573	U	12.8	U	0.539	U
Aroclor-1232	131	U	0.0532	U	0.0541	U	0.0535	U	0.0573	U	12.8	U	0.539	U
Aroclor-1242	131	U	0.0532	U	0.0541	U	0.0882		0.0573	U	12.8	U	0.539	U
Aroclor-1248	131	U	0.0532	U	0.0541	U	0.0535	U	0.0573	U	12.8	U	0.539	U
Aroclor-1254	1030		0.156		0.117		0.278		0.112		38.1		4.24	
Aroclor-1260	131	U	0.0532	U	0.0541	U	0.0535	U	0.0573	U	12.8	U	0.539	U
Aroclor-1262	131	U	0.0532	U	0.0541	U	0.0535	U	0.0573	U	12.8	U	0.539	U
Aroclor-1268	131	U	0.0532	U	0.0541	U	0.0535	U	0.0573	U	12.8	U	0.539	U
Total PCBs (summed detections)	1030		0.156		0.117		0.366		0.112		38.1		4.24	
MOISTURE (%)														
Percent Moisture	22.3		8.1		6.9		6.1		14.5		19.0		11.0	
Percent Solids	77.7		91.9		93.1		93.9		85.5		81.0		89.0	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1
SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-519		SB-519		SB-519		SB-520		SB-520		SB-520		SB-520		
Sample ID	SB519050XX		SB519065XX		SB519075XX		SB520005XX		SB520025XX		SB520055XX		SB520070XX		
Sample Date	9/15/2020		9/15/2020		9/15/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020		
	240-136659-1		240-136659-1		240-136659-1		240-136659-1		240-136659-1		240-136659-1		240-136659-1		
Sample Depth (feet below surface)	0.0-0.5		6.0-6.5		7.0-7.5		0.0-0.5		2.0-2.5		5.0-5.5		6.5-7.0		
Segment ID	B		B		B		B		B		B		B		
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		
Polychlorinated Biphenyls(PCBs) (mg/kg)															
Aroclor-1016	0.0541	U	0.0563	U	0.0584	U	6.51	U	0.0538	U	0.0544	U	0.0563	U	
Aroclor-1221	0.0541	U	0.0563	U	0.0584	U	6.51	U	0.0538	U	0.0544	U	0.0563	U	
Aroclor-1232	0.0541	U	0.0563	U	0.0584	U	6.51	U	0.0538	U	0.0544	U	0.0563	U	
Aroclor-1242	0.0541	U	0.0563	U	0.0584	U	6.51	U	0.0538	U	0.0544	U	0.0563	U	
Aroclor-1248	0.0541	U	0.0563	U	0.0584	U	6.51	U	0.0538	U	0.0544	U	0.0563	U	
Aroclor-1254	0.0847		0.222		0.967		37.8		0.133		0.0544	U	0.0563	U	
Aroclor-1260	0.0541	U	0.0563	U	0.0584	U	6.51	U	0.0538	U	0.0544	U	0.0563	U	
Aroclor-1262	0.0541	U	0.0563	U	0.0584	U	6.51	U	0.0538	U	0.0544	U	0.0563	U	
Aroclor-1268	0.0541	U	0.0563	U	0.0584	U	6.51	U	0.0538	U	0.0544	U	0.0563	U	
Total PCBs (summed detections)	0.0847		0.222		0.967		37.8		0.133		0.0544	U	0.0563	U	
MOISTURE (%)															
Percent Moisture	10.0		8.2		18.3		25.0		7.5		8.0		9.5		
Percent Solids	90.0		91.8		81.7		75.0		92.5		92.0		90.5		

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1
SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-520		SB-521		SB-521		SB-521		SB-521		SB-521		SB-521	
Sample ID	SB520090XX		SB521005XX		SB521025XX		SB521050XX		SB521050XD		SB521070XX		SB521095XX	
Sample Date	9/16/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020	
	240-136659-1		240-136659-1		240-136659-1		240-136659-1		240-136659-1		240-136659-1		240-136659-1	
Sample Depth (feet below surface)	8.5-9.0		0.0-0.5		2.0-2.5		4.5-5.0		4.5-5.0		6.5-7.0		9.0-9.5	
Segment ID	B		B		B		B		B		B		B	
Setting	Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed		Channel Bed	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0594 U		6.18 U		0.0571 U		0.0542 U		0.0553 U		0.0577 U		0.0574 U	
Aroclor-1221	0.0594 U		6.18 U		0.0571 U		0.0542 U		0.0553 U		0.0577 U		0.0574 U	
Aroclor-1232	0.0594 U		6.18 U		0.0571 U		0.0542 U		0.0553 U		0.0577 U		0.0574 U	
Aroclor-1242	0.0594 U		6.18 U		0.0571 U		0.0542 U		0.0553 U		0.0577 U		0.0574 U	
Aroclor-1248	0.0594 U		6.18 U		0.0571 U		0.0542 U		0.0553 U		0.0577 U		0.0574 U	
Aroclor-1254	0.0594 U		91.5		0.0571 U		0.0759 J		0.0553 UJ		0.0577 U		0.0574 U	
Aroclor-1260	0.0594 U		6.18 U		0.0571 U		0.0542 U		0.0553 U		0.0577 U		0.0574 U	
Aroclor-1262	0.0594 U		6.18 U		0.0571 U		0.0542 U		0.0553 U		0.0577 U		0.0574 U	
Aroclor-1268	0.0594 U		6.18 U		0.0571 U		0.0542 U		0.0553 U		0.0577 U		0.0574 U	
Total PCBs (summed detections)	0.0594 U		91.5		0.0571 U		0.0759		0.0553 U		0.0577 U		0.0574 U	
MOISTURE (%)														
Percent Moisture	16.5		18.9		14.4		11.3		12.1		10.9		13.8	
Percent Solids	83.5		81.1		85.6		88.7		87.9		89.1		86.2	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-522		SB-522		SB-522		SB-523		SB-523		SB-523		SB-524		
Sample ID	SB522040XX		SB522050XX		SB522060XX		SB523040XX		SB523050XX		SB523060XX		SB524040XX		
Sample Date	9/16/2020		9/16/2020		9/16/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		
	240-136659-1		240-136659-1		240-136659-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1		
Sample Depth (feet below surface)	3.0-4.0		4.0-5.0		5.0-6.0		3.0-4.0		4.0-5.0		5.0-6.0		3.0-4.0		
Segment ID	A		A		A		A		A		A		A		
Setting	Upland		Upland		Upland		Upland		Upland		Upland		Upland		
Polychlorinated Biphenyls(PCBs) (mg/kg)															
Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268 Total PCBs (summed detections) MOISTURE (%)	0.0512	U	0.0535	U	0.0542	U	0.0521	U	0.0539	U	0.0527	U	0.0515	U	
	0.0512	U	0.0535	U	0.0542	U	0.0521	U	0.0539	U	0.0527	U	0.0515	U	
	0.0512	U	0.0535	U	0.0542	U	0.0521	U	0.0539	U	0.0527	U	0.0515	U	
	0.0512	U	0.0535	U	0.0542	U	0.0521	U	0.0539	U	0.0527	U	0.0515	U	
	0.0512	U	0.0535	U	0.0542	U	0.0521	U	0.0539	U	0.0527	U	0.0515	U	
	0.0512	U	0.125		0.215		0.0521	U	0.159		0.203		0.0515	U	
	0.0512	U	0.0535	U	0.0542	U	0.0521	U	0.0539	U	0.0527	U	0.0515	U	
	0.0512	U	0.0535	U	0.0542	U	0.0521	U	0.0539	U	0.0527	U	0.0515	U	
	0.0512	U	0.0535	U	0.0542	U	0.0521	U	0.0539	U	0.0527	U	0.0515	U	
	0.0512	U	0.125		0.215		0.0521	U	0.159		0.203		0.0515	U	
	Percent Moisture	2.4		7.7		10.8		7.0		5.9		9.3		7.5	
Percent Solids	97.6		92.3		89.2		93.0		94.1		90.7		92.5		

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-524		SB-524		SB-525		SB-525		SB-525		SB-526		SB-526		
Sample ID	SB524050XX		SB524060XX		SB525040XX		SB525050XX		SB525060XX		SB526040XX		SB526050XX		
Sample Date	9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		
	240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1		
Sample Depth (feet below surface)	4.0-5.0		5.0-6.0		3.0-4.0		4.0-5.0		5.0-6.0		3.0-4.0		4.0-5.0		
Segment ID	A		A		A		A		A		A		A		
Setting	Upland		Upland		Upland		Upland		Upland		Upland		Upland		
Polychlorinated Biphenyls(PCBs) (mg/kg)															
Aroclor-1016	0.0589	U	0.0533	U	0.266	U	0.0554	U	0.0547	U	0.0521	U	0.0509	U	
Aroclor-1221	0.0589	U	0.0533	U	0.266	U	0.0554	U	0.0547	U	0.0521	U	0.0509	U	
Aroclor-1232	0.0589	U	0.0533	U	0.266	U	0.0554	U	0.0547	U	0.0521	U	0.0509	U	
Aroclor-1242	0.0589	U	0.0533	U	0.266	U	0.0554	U	0.0547	U	0.0521	U	0.0509	U	
Aroclor-1248	0.0589	U	0.234		0.266	U	0.0554	U	0.0547	U	0.0521	U	0.0509	U	
Aroclor-1254	0.174		0.0533	U	1.57		0.376		0.0547	U	0.0521	U	0.0644		
Aroclor-1260	0.0589	U	0.0533	U	0.266	U	0.0554	U	0.0547	U	0.0521	U	0.0509	U	
Aroclor-1262	0.0589	U	0.0533	U	0.266	U	0.0554	U	0.0547	U	0.0521	U	0.0509	U	
Aroclor-1268	0.0589	U	0.0533	U	0.266	U	0.0554	U	0.0547	U	0.0521	U	0.0509	U	
Total PCBs (summed detections)	0.174		0.234		1.57		0.376		0.0547	U	0.0521	U	0.0644		
MOISTURE (%)															
Percent Moisture	16.4		8.9		8.6		10.0		9.5		5.3		5.9		
Percent Solids	83.6		91.1		91.4		90.0		90.5		94.7		94.1		

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-526		SB-527		SB-527		SB-528		SB-528		SB-529		SB-529	
Sample ID	SB526070XX		SB527010XX		SB527020XX		SB528010XX		SB528020XX		SB529010XX		SB529020XX	
Sample Date	9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020	
	240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1	
Sample Depth (feet below surface)	6.0-7.0		0.0-1.0		1.0-2.0		0.0-1.0		1.0-2.0		0.0-1.0		1.0-2.0	
Segment ID	A		E		E		E		E		E		E	
Setting	Upland		Upland		Upland		Upland		Upland		Top of Bank		Top of Bank	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0584 U		0.548 U		0.0603 U		0.256 U		0.0516 U		0.559 U		0.0589 U	
Aroclor-1221	0.0584 U		0.548 U		0.0603 U		0.256 U		0.0516 U		0.559 U		0.0589 U	
Aroclor-1232	0.0584 U		0.548 U		0.0603 U		0.256 U		0.0516 U		0.559 U		0.0589 U	
Aroclor-1242	0.0584 U		0.548 U		0.0603 U		0.256 U		0.0516 U		0.559 U		0.0589 U	
Aroclor-1248	0.0584 U		0.548 U		0.0603 U		0.256 U		0.0516 U		0.559 U		0.0589 U	
Aroclor-1254	0.0584 U		11.1		0.0791		3.12		0.201		6.82		0.161	
Aroclor-1260	0.0584 U		0.548 U		0.0603 U		0.256 U		0.0516 U		0.559 U		0.0589 U	
Aroclor-1262	0.0584 U		0.548 U		0.0603 U		0.256 U		0.0516 U		0.559 U		0.0589 U	
Aroclor-1268	0.0584 U		0.548 U		0.0603 U		0.256 U		0.0516 U		0.559 U		0.0589 U	
Total PCBs (summed detections)	0.0584 U		11.1		0.0791		3.12		0.201		6.82		0.161	
MOISTURE (%)														
Percent Moisture	14.9		8.7		16.4		5.6		4.1		9.9		14.8	
Percent Solids	85.1		91.3		83.6		94.4		95.9		90.1		85.2	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-529		SB-529		SB-529		SB-530		SB-530		SB-530		SB-530	
Sample ID	SB529030XX		SB529070XX		SB529110XX		SB530010XX		SB530020XX		SB530030XX		SB530050XX	
Sample Date	9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020	
	240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136927-1	
Sample Depth (feet below surface)	2.0-3.0		6.0-7.0		10.0-11.0		0.0-1.0		1.0-2.0		2.0-3.0		4.0-5.0	
Segment ID	E		E		E		E		E		E		E	
Setting	Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0706	U	0.0602	U	0.055	U	0.257	U	0.0511	U	0.316	U	0.271	U
Aroclor-1221	0.0706	U	0.0602	U	0.055	U	0.257	U	0.0511	U	0.316	U	0.271	U
Aroclor-1232	0.0706	U	0.0602	U	0.055	U	0.257	U	0.0511	U	0.316	U	0.271	U
Aroclor-1242	0.0706	U	0.0602	U	0.055	U	0.257	U	0.0511	U	0.316	U	0.271	U
Aroclor-1248	0.0706	U	0.0602	U	0.055	U	0.257	U	0.0511	U	0.316	U	0.271	U
Aroclor-1254	0.0706	U	0.0602	U	0.055	U	3.17		0.0973		3.03		1.62	
Aroclor-1260	0.0706	U	0.0602	U	0.055	U	0.257	U	0.0511	U	0.316	U	0.271	U
Aroclor-1262	0.0706	U	0.0602	U	0.055	U	0.257	U	0.0511	U	0.316	U	0.271	U
Aroclor-1268	0.0706	U	0.0602	U	0.055	U	0.257	U	0.0511	U	0.316	U	0.271	U
Total PCBs (summed detections)	0.0706	U	0.0602	U	0.055	U	3.17		0.0973		3.03		1.62	
MOISTURE (%)														
Percent Moisture	26.4		18.1		11.1		5.2		4.7		18.2		8.1	
Percent Solids	73.6		81.9		88.9		94.8		95.3		81.8		91.9	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1
SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-530		SB-530		SB-530		SB-530		SB-531		SB-531		SB-531		
Sample ID	SB530060XX		SB530110XX		SB530140XX		SB530160XX		SB531010XX		SB531020XX		SB531040XX		
Sample Date	9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/18/2020		9/18/2020		9/18/2020		
	240-136927-1		240-136927-1		240-136927-1		240-136927-1		240-136930-1		240-136930-1		240-136930-1		
Sample Depth (feet below surface)	5.5-6.0		10.0-11.0		13.5-14.0		15.5-16.0		0.0-1.0		1.0-2.0		3.0-4.0		
Segment ID	E		E		E		E		E		E		E		
Setting	Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank		
Polychlorinated Biphenyls(PCBs) (mg/kg)															
Aroclor-1016	0.0603	U	0.0547	U	0.0524	U	0.0542	U	0.268	U	0.0609	U	0.0595	U	
Aroclor-1221	0.0603	U	0.0547	U	0.0524	U	0.0542	U	0.268	U	0.0609	U	0.0595	U	
Aroclor-1232	0.0603	U	0.0547	U	0.0524	U	0.0542	U	0.268	U	0.0609	U	0.0595	U	
Aroclor-1242	0.0603	U	0.0547	U	0.0524	U	0.0542	U	0.268	U	0.0609	U	0.0595	U	
Aroclor-1248	0.0603	U	0.0547	U	0.0524	U	0.0542	U	0.268	U	0.0609	U	0.0595	U	
Aroclor-1254	0.0603	U	0.0547	U	0.0524	U	0.0542	U	1.69		0.272		0.214		
Aroclor-1260	0.0603	U	0.0547	U	0.0524	U	0.0542	U	0.268	U	0.0609	U	0.0595	U	
Aroclor-1262	0.0603	U	0.0547	U	0.0524	U	0.0542	U	0.268	U	0.0609	U	0.0595	U	
Aroclor-1268	0.0603	U	0.0547	U	0.0524	U	0.0542	U	0.268	U	0.0609	U	0.0595	U	
Total PCBs (summed detections)	0.0603	U	0.0547	U	0.0524	U	0.0542	U	1.69		0.272		0.214		
MOISTURE (%)															
Percent Moisture	16.9		7.7		7.4		6.4		9.1		17.9		17.8		
Percent Solids	83.1		92.3		92.6		93.6		90.9		82.1		82.2		

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-531		SB-531		SB-531		SB-532		SB-532		SB-533		SB-533	
Sample ID	SB531070XX		SB531110XX		SB531140XX		SB532010XX		SB532020XX		SB533010XX		SB533020XX	
Sample Date	9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020	
	240-136930-1		240-136930-1		240-136930-1		240-136930-1		240-136930-1		240-136930-1		240-136930-1	
Sample Depth (feet below surface)	6.5-7.0		10.0-11.0		13.0-14.0		0.0-1.0		1.0-2.0		0.0-1.0		1.0-2.0	
Segment ID	E		E		E		E		E		E		E	
Setting	Top of Bank		Top of Bank		Top of Bank		Upland		Upland		Upland		Upland	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0546	U	0.0539	U	0.0532	U	0.551	U	0.25	U	0.539	U	0.271	U
Aroclor-1221	0.0546	U	0.0539	U	0.0532	U	0.551	U	0.25	U	0.539	U	0.271	U
Aroclor-1232	0.0546	U	0.0539	U	0.0532	U	0.551	U	0.25	U	0.539	U	0.271	U
Aroclor-1242	0.0546	U	0.0539	U	0.0532	U	0.551	U	0.25	U	0.539	U	0.271	U
Aroclor-1248	0.0546	U	0.0539	U	0.0532	U	0.551	U	0.25	U	0.539	U	0.271	U
Aroclor-1254	0.0699		0.0539	U	0.0532	U	6.08		2.66		8.68		2.57	
Aroclor-1260	0.0546	U	0.0539	U	0.0532	U	0.551	U	0.25	U	0.539	U	0.271	U
Aroclor-1262	0.0546	U	0.0539	U	0.0532	U	0.551	U	0.25	U	0.539	U	0.271	U
Aroclor-1268	0.0546	U	0.0539	U	0.0532	U	0.551	U	0.25	U	0.539	U	0.271	U
Total PCBs (summed detections)	0.0699		0.0539	U	0.0532	U	6.08		2.66		8.68		2.57	
MOISTURE (%)														
Percent Moisture	11.2		7.0		4.4		8.1		4.0		6.2		5.1	
Percent Solids	88.8		93.0		95.6		91.9		96.0		93.8		94.9	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1

SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-534		SB-534		SB-534		SB-534		SB-534		SB-534		SB-535	
Sample ID	SB534010XX		SB534020XX		SB534030XX		SB534070XX		SB534100XX		SB534140XX		SB535010XX	
Sample Date	9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020	
	240-136930-1		240-136930-1		240-136930-1		240-136930-1		240-136930-1		240-136930-1		240-136930-1	
Sample Depth (feet below surface)	0.0-1.0		1.0-2.0		2.0-3.0		6.0-7.0		9.0-10.0		13.0-14.0		0.0-1.0	
Segment ID	E		E		E		E		E		E		E	
Setting	Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.259 U		0.0536 U		0.0543 U		0.0588 U		0.0562 U		0.0539 U		0.0513 U	
Aroclor-1221	0.259 U		0.0536 U		0.0543 U		0.0588 U		0.0562 U		0.0539 U		0.0513 U	
Aroclor-1232	0.259 U		0.0536 U		0.0543 U		0.0588 U		0.0562 U		0.0539 U		0.0513 U	
Aroclor-1242	0.259 U		0.0536 U		0.0543 U		0.0588 U		0.0562 U		0.0539 U		0.0513 U	
Aroclor-1248	0.259 U		0.0536 U		0.0543 U		0.0588 U		0.0562 U		0.0539 U		0.0513 U	
Aroclor-1254	3.47		0.136		0.159		0.0588 U		0.0562 U		0.0539 U		0.293	
Aroclor-1260	0.259 U		0.0536 UJ		0.0543 UJ		0.0588 UJ		0.0562 UJ		0.0539 UJ		0.0513 UJ	
Aroclor-1262	0.259 U		0.0536 U		0.0543 U		0.0588 U		0.0562 U		0.0539 U		0.0513 U	
Aroclor-1268	0.259 U		0.0536 U		0.0543 U		0.0588 U		0.0562 U		0.0539 U		0.0513 U	
Total PCBs (summed detections)	3.47		0.136		0.159		0.0588 U		0.0562 U		0.0539 U		0.293	
MOISTURE (%)														
Percent Moisture	4.6		10.1		6.3		13.6		11.3		6.0		5.8	
Percent Solids	95.4		89.9		93.7		86.4		88.7		94.0		94.2	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 1
SOIL BORING SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SB-535		SB-535		SB-535		SB-535		SB-535			
Sample ID	SB535020XX		SB535030XX		SB535090XX		SB535120XX		SB535140XX			
Sample Date	9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020			
	240-136930-1		240-136930-1		240-136930-1		240-136930-1		240-136930-1			
Sample Depth (feet below surface)	1.0-2.0		2.0-3.0		8.0-9.0		11.0-12.0		13.0-14.0			
Segment ID	E		E		E		E		E			
Setting	Top of Bank		Top of Bank		Top of Bank		Top of Bank		Top of Bank			
Polychlorinated Biphenyls(PCBs) (mg/kg)												
Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268 Total PCBs (summed detections)			0.0551	U	0.0553	U	0.0652	U	0.0521	U	0.0537	U
			0.0551	U	0.0553	U	0.0652	U	52.1	U	0.0537	U
			0.0551	U	0.0553	U	0.0652	U	52.1	U	0.0537	U
			0.0551	U	0.0553	U	0.0652	U	52.1	U	0.0537	U
			0.0551	U	0.0553	U	0.0652	U	52.1	U	0.0537	U
			0.236		0.247		0.0652	U	52.1	U	0.0537	U
			0.0551	UJ	0.0553	UJ	0.0652	UJ	52.1	UJ	0.0537	U
			0.0551	U	0.0553	U	0.0652	U	52.1	U	0.0537	U
			0.0551	U	0.0553	U	0.0652	U	52.1	U	0.0537	U
			0.236		0.247		0.0652	U	52.1	U	0.0537	U
MOISTURE (%)												
Percent Moisture			11.2		10.2		23.0		7.4		10.6	
Percent Solids			88.8		89.8		77.0		92.6		89.4	

Notes:

PCBs by USEPA Method SW8082A

U = undetected

J = estimated value

J- = estimated value with low bias

Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-500		SS-500		SS-501		SS-501		SS-502		SS-502		SS-503	
Sample ID	SS500010XX		SS500120XX		SS501010XX		SS501120XX		SS502010XX		SS502118XX		SS503010XX	
Sample Date	9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020	
Sample Depth (feet below surface)	0.0-1.0		1.0-2.0		0.0-1.0		1.0-2.0		0.0-1.0		1.0-1.8		0.0-1.0	
Segment ID	C		C		C		C		C		C		B	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.056	U	0.0566	U	0.0596	U	0.0634	U	0.0617	U	0.061	U	0.0525	U
Aroclor-1221	0.056	U	0.0566	U	0.0596	U	0.0634	U	0.0617	U	0.061	U	0.0525	U
Aroclor-1232	0.056	U	0.0566	U	0.0596	U	0.0634	U	0.0617	U	0.061	U	0.0525	U
Aroclor-1242	0.056	U	0.0566	U	0.0596	U	0.0634	U	0.0617	U	0.061	U	0.0525	U
Aroclor-1248	0.056	U	0.0566	U	0.0596	U	0.0634	U	0.0617	U	0.061	U	0.0525	U
Aroclor-1254	0.129		0.106		0.141		0.108		0.125		0.125		0.0657	
Aroclor-1260	0.056	U	0.0566	U	0.0596	U	0.0634	U	0.0617	U	0.061	U	0.0525	U
Aroclor-1262	0.056	U	0.0566	U	0.0596	U	0.0634	U	0.0617	U	0.061	U	0.0525	U
Aroclor-1268	0.056	U	0.0566	U	0.0596	U	0.0634	U	0.0617	U	0.061	U	0.0525	U
Total PCBs (summed detections)	0.129		0.106		0.141		0.108		0.125		0.125		0.0657	
MOISTURE (%)														
Percent Moisture	14.1		11.6		18.1		19.3		16.7		14.0		7.4	
Percent Solids	85.9		88.4		81.9		80.7		83.3		86.0		92.6	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-503		SS-504		SS-504		SS-505		SS-505		SS-506		SS-506	
Sample ID	SS503120XX		SS504010XX		SS504115XX		SS505010XX		SS505120XX		SS506010XX		SS506115XX	
Sample Date	9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020		9/14/2020	
Sample Depth (feet below surface)	1.0-2.0		0.0-1.0		1.0-1.5		0.0-1.0		1.0-2.0		0.0-1.0		1.0-1.5	
Segment ID	B		B		B		B		B		B		B	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0538	U	0.0541	U	0.055	U	0.0616	U	0.0629	U	0.0555	U	0.0526	U
Aroclor-1221	0.0538	U	0.0541	U	0.055	U	0.0616	U	0.0629	U	0.0555	U	0.0526	U
Aroclor-1232	0.0538	U	0.0541	U	0.055	U	0.0616	U	0.0629	U	0.0555	U	0.0526	U
Aroclor-1242	0.0538	U	0.0541	U	0.055	U	0.0616	U	0.0629	U	0.0555	U	0.0526	U
Aroclor-1248	0.0538	U	0.0541	U	0.055	U	0.0616	U	0.0629	U	0.0555	U	0.0526	U
Aroclor-1254	0.0538	U	0.264		0.125		0.158		0.116		0.0555	U	0.0526	U
Aroclor-1260	0.0538	U	0.0541	U	0.055	U	0.0616	U	0.0629	U	0.0555	U	0.0526	U
Aroclor-1262	0.0538	U	0.0541	U	0.055	U	0.0616	U	0.0629	U	0.0555	U	0.0526	U
Aroclor-1268	0.0538	U	0.0541	U	0.055	U	0.0616	U	0.0629	U	0.0555	U	0.0526	U
Total PCBs (summed detections)	0.0538	U	0.264		0.125		0.158		0.116		0.0555	U	0.0526	U
MOISTURE (%)														
Percent Moisture	7.9		10.7		7.9		17.7		20.6		8.4		6.9	
Percent Solids	92.1		89.3		92.1		82.3		79.4		91.6		93.1	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-507		SS-507		SS-508		SS-509		SS-509		SS-510		SS-510	
Sample ID	SS507010XX		SS507119XX		SS508010XX		SS509010XX		SS509117XX		SS510010XX		SS510118XX	
Sample Date	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020	
Sample Depth (feet below surface)	0.0-1.0		1.0-1.9		0.0-1.0		0.0-1.0		1.0-1.7		0.0-1.0		1.0-1.8	
Segment ID	B		B		B		B		B		B		B	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0558	U	0.0555	U	0.0522	U	0.0608	U	0.0572	U	0.0555	U	0.0571	U
Aroclor-1221	0.0558	U	0.0555	U	0.0522	U	0.0608	U	0.0572	U	0.0555	U	0.0571	U
Aroclor-1232	0.0558	U	0.0555	U	0.0522	U	0.0608	U	0.0572	U	0.0555	U	0.0571	U
Aroclor-1242	0.0558	U	0.0555	U	0.0522	U	0.0608	U	0.0572	U	0.0555	U	0.0571	U
Aroclor-1248	0.0558	U	0.0555	U	0.0522	U	0.0608	U	0.0572	U	0.0555	U	0.0571	U
Aroclor-1254	0.128		0.186		0.125		0.347		0.12		1.05		0.487	
Aroclor-1260	0.0558	U	0.0555	U	0.0522	U	0.0608	U	0.0572	U	0.0555	U	0.0571	U
Aroclor-1262	0.0558	U	0.0555	U	0.0522	U	0.0608	U	0.0572	U	0.0555	U	0.0571	U
Aroclor-1268	0.0558	U	0.0555	U	0.0522	U	0.0608	U	0.0572	U	0.0555	U	0.0571	U
Total PCBs (summed detections)	0.128		0.186		0.125		0.347		0.12		1.05		0.487	
MOISTURE (%)														
Percent Moisture	10.5		9.4		5.8		18.7		14.5		12.2		12	
Percent Solids	89.5		90.6		94.2		81.3		85.5		87.8		88	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2

SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-511		SS-511		SS-511		SS-512		SS-512		SS-513		SS-513	
Sample ID	SS511010XX		SS511117XX		SS511117FD		SS512010XX		SS512113XX		SS513010XX		SS513120XX	
Sample Date	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020	
Sample Depth (feet below surface)	0.0-1.0		1.0-1.7		1.0-1.7		0.0-1.0		1.0-1.3		0.0-1.0		1.0-2.0	
Segment ID	B		B		B		B		B		B		B	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0588 U		0.0569 U		0.0595 U		0.0558 U		0.0544 U		3.42 U		0.635 U	
Aroclor-1221	0.0588 U		0.0569 U		0.0595 U		0.0558 U		0.0544 U		3.42 U		0.635 U	
Aroclor-1232	0.0588 U		0.0569 U		0.0595 U		0.0558 U		0.0544 U		3.42 U		0.635 U	
Aroclor-1242	0.0588 U		0.0569 U		0.0595 U		0.0558 U		0.0544 U		3.42 U		0.635 U	
Aroclor-1248	0.0588 U		0.0569 U		0.0595 U		0.0558 U		0.0544 U		3.42 U		0.635 U	
Aroclor-1254	0.709		0.345		0.401		0.834		0.286		43.6		5.69	
Aroclor-1260	0.0588 U		0.0569 U		0.0595 U		0.0558 U		0.0544 U		3.42 U		0.635 U	
Aroclor-1262	0.0588 U		0.0569 U		0.0595 U		0.0558 U		0.0544 U		3.42 U		0.635 U	
Aroclor-1268	0.0588 U		0.0569 U		0.0595 U		0.0558 U		0.0544 U		3.42 U		0.635 U	
Total PCBs (summed detections)	0.709		0.345		0.401		0.834		0.286		43.6		5.69	
MOISTURE (%)														
Percent Moisture	15.1		14.1		15		12.3		9.6		25.5		21.2	
Percent Solids	84.9		85.9		85		87.7		90.4		74.5		78.8	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2

SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-513		SS-514		SS-514		SS-515		SS-515		SS-516		SS-517	
Sample ID	SS513230XX		SS514010XX		SS514117XX		SS515010XX		SS515120XX		SS516000XX		SS517010XX	
Sample Date	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/16/2020	
Sample Depth (feet below surface)	2.0-3.0		0.0-1.0		1.0-1.7		0.0-1.0		1.0-2.0		Surface		0.0-1.0	
Segment ID	B		B		B		B		B		A		B	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		RR Culvert		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.637	U	0.0562	U	0.0539	U	0.0625	U	0.0622	U	1.28	U	0.0564	U
Aroclor-1221	0.637	U	0.0562	U	0.0539	U	0.0625	U	0.0622	U	1.28	U	0.0564	U
Aroclor-1232	0.637	U	0.0562	U	0.0539	U	0.0625	U	0.0622	U	1.28	U	0.0564	U
Aroclor-1242	0.637	U	0.0562	U	0.0539	U	0.0625	U	0.0622	U	1.28	U	0.0564	U
Aroclor-1248	0.637	U	0.0562	U	0.0539	U	0.0625	U	0.0622	U	1.28	U	0.0564	U
Aroclor-1254	8.94		0.672		0.335		1.06		0.34		24.6		0.404	
Aroclor-1260	0.637	U	0.0562	U	0.0539	U	0.0625	U	0.0622	U	1.28	U	0.0564	U
Aroclor-1262	0.637	U	0.0562	U	0.0539	U	0.0625	U	0.0622	U	1.28	U	0.0564	U
Aroclor-1268	0.637	U	0.0562	U	0.0539	U	0.0625	U	0.0622	U	1.28	U	0.0564	U
Total PCBs (summed detections)	8.94		0.672		0.335		1.06		0.34		24.6		0.404	
MOISTURE (%)														
Percent Moisture	24.5		11.5		10.8		19.6		22.1		61.1		11.1	
Percent Solids	75.5		88.5		89.2		80.4		77.9		38.9		88.9	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-518		SS-518		SS-519		SS-519		SS-520		SS-521		SS-522	
Sample ID	SS518010XX		SS518115XX		SS519010XX		SS519120XX		SS520010XX		SS521010XX		SS522010XX	
Sample Date	9/16/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020	
Sample Depth (feet below surface)	0.0-1.0		1.0-1.5		0.0-1.0		1.0-2.0		0.0-1.0		0.0-1.0		0.0-1.0	
Segment ID	B		B		B		B		B		B		B	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0564	U	0.0546	U	0.0629	U	0.0582	U	0.0602	U	0.0605	U	0.0537	U
Aroclor-1221	0.0564	U	0.0546	U	0.0629	U	0.0582	U	0.0602	U	0.0605	U	0.0537	U
Aroclor-1232	0.0564	U	0.0546	U	0.0629	U	0.0582	U	0.0602	U	0.0605	U	0.0537	U
Aroclor-1242	0.0564	U	0.0546	U	0.0629	U	0.0582	U	0.0602	U	0.0605	U	0.0537	U
Aroclor-1248	0.0564	U	0.0546	U	0.0629	U	0.0582	U	0.0602	U	0.0605	U	0.0537	U
Aroclor-1254	0.368		0.289		0.984		0.253		0.442		1.38		0.112	
Aroclor-1260	0.0564	U	0.0546	U	0.0629	U	0.0582	U	0.0602	U	0.0605	U	0.0537	U
Aroclor-1262	0.0564	U	0.0546	U	0.0629	U	0.0582	U	0.0602	U	0.0605	U	0.0537	U
Aroclor-1268	0.0564	U	0.0546	U	0.0629	U	0.0582	U	0.0602	U	0.0605	U	0.0537	U
Total PCBs (summed detections)	0.368		0.289		0.984		0.253		0.442		1.38		0.112	
MOISTURE (%)														
Percent Moisture	14.4		11.2		22.0		17.3		15.4		15.6		11.3	
Percent Solids	85.6		88.8		78.0		82.7		84.6		84.4		88.7	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2

SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-522		SS-525		SS-525		SS-523		SS-523		SS-524		SS-524	
Sample ID	SS522115XX		SS525010XX		SS525120XX		SS523010XX		SS523120XX		SS524010XX		SS524113XX	
Sample Date	9/16/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020		9/16/2020	
Sample Depth (feet below surface)	1.0-1.5		0.0-1.0		1.0-2.0		0.0-1.0		1.0-2.0		0.0-1.0		1.0-1.3	
Segment ID	B		C		C		C		C		C		C	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0552 U		0.0575 U		0.0527 U		0.0612 U		0.0561 U		0.0651 U		0.0595 U	
Aroclor-1221	0.0552 U		0.0575 U		0.0527 U		0.0612 U		0.0561 U		0.0651 U		0.0595 U	
Aroclor-1232	0.0552 U		0.0575 U		0.0527 U		0.0612 U		0.0561 U		0.0651 U		0.0595 U	
Aroclor-1242	0.0552 U		0.0575 U		0.0527 U		0.0612 U		0.0561 U		0.0651 U		0.0595 U	
Aroclor-1248	0.0552 U		0.0575 U		0.0527 U		0.0612 U		0.0561 U		0.0651 U		0.0595 U	
Aroclor-1254	0.0552 U		0.324		0.218		0.126		0.168		0.19		0.197	
Aroclor-1260	0.0552 U		0.0575 U		0.0527 U		0.0612 U		0.0561 U		0.0651 U		0.0595 U	
Aroclor-1262	0.0552 U		0.0575 U		0.0527 U		0.0612 U		0.0561 U		0.0651 U		0.0595 U	
Aroclor-1268	0.0552 U		0.0575 U		0.0527 U		0.0612 U		0.0561 U		0.0651 U		0.0595 U	
Total PCBs (summed detections)	0.0552 U		0.324		0.218		0.126		0.168		0.19		0.197	
MOISTURE (%)														
Percent Moisture	8.2		14.0		7.8		15.8		13.0		21.8		14.6	
Percent Solids	91.8		86.0		92.2		84.2		87.0		78.2		85.4	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2

SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-526		SS-526		SS-526		SS-527		SS-527		SS-528		SS-528	
Sample ID	SS526010XX		SS526010FD		SS526116XX		SS527010XX		SS527118XX		SS528010XX		SS528115XX	
Sample Date	9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020	
Sample Depth (feet below surface)	0.0-1.0		0.0-1.0		1.0-1.6		0.0-1.0		1.0-1.8		0.0-1.0		1.0-1.5	
Segment ID	B		B		B		B		B		B		B	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0585	U	0.0595	U	0.0574	U	0.0627	U	0.0593	U	0.0559	U	0.0564	U
Aroclor-1221	0.0585	U	0.0595	U	0.0574	U	0.0627	U	0.0593	U	0.0559	U	0.0564	U
Aroclor-1232	0.0585	U	0.0595	U	0.0574	U	0.0627	U	0.0593	U	0.0559	U	0.0564	U
Aroclor-1242	0.0585	U	0.0595	U	0.0574	U	0.0627	U	0.0593	U	0.0559	U	0.0564	U
Aroclor-1248	0.0585	U	0.0595	U	0.0574	U	0.0627	U	0.0593	U	0.0559	U	0.0564	U
Aroclor-1254	0.642	J	1.14	J	0.4		0.0888		0.0793		0.262		0.403	
Aroclor-1260	0.0585	U	0.0595	U	0.0574	U	0.0627	U	0.0593	U	0.0559	U	0.0564	U
Aroclor-1262	0.0585	U	0.0595	U	0.0574	U	0.0627	U	0.0593	U	0.0559	U	0.0564	U
Aroclor-1268	0.0585	U	0.0595	U	0.0574	U	0.0627	U	0.0593	U	0.0559	U	0.0564	U
Total PCBs (summed detections)	0.642	J	1.14	J	0.4		0.0888		0.0793		0.262		0.403	
MOISTURE (%)														
Percent Moisture	12.7		13.2		14.9		23.5		15.1		12.6		10.5	
Percent Solids	87.3		86.8		85.1		76.5		84.9		87.4		89.5	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-529		SS-529		SS-530		SS-530		SS-531		SS-531		SS-532	
Sample ID	SS529010XX		SS529120XX		SS530010XX		SS530115XX		SS531010XX		SS531113XX		SS532010XX	
Sample Date	9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020	
Sample Depth (feet below surface)	0.0-1.0		1.0-2.0		0.0-1.0		1.0-1.5		0.0-1.0		1.0-1.3		0.0-1.0	
Segment ID	B		B		B		B		C		C		C	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.289	U	0.0617	U	0.0563	U	0.0549	U	0.0552	U	0.0538	U	0.0574	U
Aroclor-1221	0.289	U	0.0617	U	0.0563	U	0.0549	U	0.0552	U	0.0538	U	0.0574	U
Aroclor-1232	0.289	U	0.0617	U	0.0563	U	0.0549	U	0.0552	U	0.0538	U	0.0574	U
Aroclor-1242	0.289	U	0.0617	U	0.0563	U	0.0549	U	0.0552	U	0.0538	U	0.0574	U
Aroclor-1248	0.289	U	0.0617	U	0.0563	U	0.0549	U	0.0552	U	0.0538	U	0.0574	U
Aroclor-1254	1.99		0.822		0.388		0.0591		0.329		0.231		1.7	
Aroclor-1260	0.289	U	0.0617	U	0.0563	U	0.0549	U	0.0552	U	0.0538	U	0.0574	U
Aroclor-1262	0.289	U	0.0617	U	0.0563	U	0.0549	U	0.0552	U	0.0538	U	0.0574	U
Aroclor-1268	0.289	U	0.0617	U	0.0563	U	0.0549	U	0.0552	U	0.0538	U	0.0574	U
Total PCBs (summed detections)	1.99		0.822		0.388		0.0591		0.329		0.231		1.7	
MOISTURE (%)														
Percent Moisture	15.5		17.1		14.2		10.0		9.7		9.9		12.1	
Percent Solids	84.5		82.9		85.8		90.0		90.3		90.1		87.9	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-532		SS-533		SS-533		SS-534		SS-534		SS-535		SS-536		
Sample ID	SS532120XX		SS533010XX		SS533115XX		SS534010XX		SS534118XX		SS535010XX		SS536010XX		
Sample Date	9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		9/17/2020		
Sample Depth (feet below surface)	1.0-1.2			0.0-1.0		1.0-1.5		0.0-1.0		1.0-1.8		0.0-1.0		0.0-1.0	
Segment ID	C			C		C		C		C		C		C	
Setting	Upland Soil			Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)															
Aroclor-1016	0.0577	U		2.8	U		2.89	U		0.0581	U		0.0582	U	
Aroclor-1221	0.0577	U		2.8	U		2.89	U		0.0581	U		0.0582	U	
Aroclor-1232	0.0577	U		2.8	U		2.89	U		0.0581	U		0.0582	U	
Aroclor-1242	0.0577	U		2.8	U		2.89	U		0.0581	U		0.0582	U	
Aroclor-1248	0.0577	U		2.8	U		2.89	U		0.0581	U		0.0582	U	
Aroclor-1254	0.279			26.2			32.7			0.29			0.237		
Aroclor-1260	0.0577	U		2.8	U		2.89	U		0.0581	U		0.0582	U	
Aroclor-1262	0.0577	U		2.8	U		2.89	U		0.0581	U		0.0582	U	
Aroclor-1268	0.0577	U		2.8	U		2.89	U		0.0581	U		0.0582	U	
Total PCBs (summed detections)	0.279			26.2			32.7			0.29			0.237		
MOISTURE (%)															
Percent Moisture	15.0			14.6			11.5			15.7			13.6		
Percent Solids	85.0			85.4			88.5			84.3			86.4		

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-536		SS-537		SS-537		SS-537		SS-538		SS-538		SS-539	
Sample ID	SS536120XX		SS537010XX		SS537010FD		SS537120XX		SS538010XX		SS538117XX		SS539010XX	
Sample Date	9/17/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020	
Sample Depth (feet below surface)	1.0-2.0		0.0-1.0		0.0-1.0		1.0-2.0		0.0-1.0		1.0-1.7		0.0-1.0	
Segment ID	C		C		C		C		D		D		D	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.598	U	0.0577	U	0.0577	U	0.0576	U	0.0559	U	0.0529	U	0.0541	U
Aroclor-1221	0.598	U	0.0577	U	0.0577	U	0.0576	U	0.0559	U	0.0529	U	0.0541	U
Aroclor-1232	0.598	U	0.0577	U	0.0577	U	0.0576	U	0.0559	U	0.0529	U	0.0541	U
Aroclor-1242	0.598	U	0.0577	U	0.0577	U	0.0576	U	0.0559	U	0.0529	U	0.0541	U
Aroclor-1248	0.598	U	0.0577	U	0.0577	U	0.0576	U	0.0559	U	0.0529	U	0.0541	U
Aroclor-1254	6.93		0.304		0.236		0.135		0.0559	U	0.0529	U	0.0541	U
Aroclor-1260	0.598	U	0.0577	UJ	0.0577	U	0.0576	U	0.0559	U	0.0529	U	0.0541	U
Aroclor-1262	0.598	U	0.0577	U	0.0577	U	0.0576	U	0.0559	U	0.0529	U	0.0541	U
Aroclor-1268	0.598	U	0.0577	U	0.0577	U	0.0576	U	0.0559	U	0.0529	U	0.0541	U
Total PCBs (summed detections)	6.93		0.304		0.236		0.135		0.0559	U	0.0529	U	0.0541	U
MOISTURE (%)														
Percent Moisture	15.2		11.7		12.8		14.4		11.1		6.5		6.3	
Percent Solids	84.8		88.3		87.2		85.6		88.9		93.5		93.7	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-539		SS-540		SS-541		SS-541		SS-542		SS-542		SS-543	
Sample ID	SS539115XX		SS540010XX		SS541010XX		SS541120XX		SS542010XX		SS542113XX		SS543007XX	
Sample Date	9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020	
Sample Depth (feet below surface)	1.0-1.5		0.0-1.0		0.0-1.0		1.0-2.0		0.0-1.0		1.0-1.3		0.0-0.7	
Segment ID	D		D		D		D		D		D		D	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0522	U	1.1	U	0.0532	U	0.0537	U	0.0504	U	0.264	U	0.0505	U
Aroclor-1221	0.0522	U	1.1	U	0.0532	U	0.0537	U	0.0504	U	0.264	U	0.0505	U
Aroclor-1232	0.0522	U	1.1	U	0.0532	U	0.0537	U	0.0504	U	0.264	U	0.0505	U
Aroclor-1242	0.0522	U	1.1	U	0.0532	U	0.0537	U	0.0504	U	0.264	U	0.0505	U
Aroclor-1248	0.0522	U	1.1	U	0.0532	U	0.0537	U	0.0504	U	0.264	U	0.0505	U
Aroclor-1254	0.0522	U	1.1	U	0.0677		0.158		0.489		1.11		0.241	
Aroclor-1260	0.0522	U	1.1	U	0.0532	U	0.0537	U	0.0504	U	0.264	U	0.0505	U
Aroclor-1262	0.0522	U	1.1	U	0.0532	U	0.0537	U	0.0504	U	0.264	U	0.0505	U
Aroclor-1268	0.0522	U	1.1	U	0.0532	U	0.0537	U	0.0504	U	0.264	U	0.0505	U
Total PCBs (summed detections)	0.0522	U	1.1	U	0.0677		0.158		0.489		1.11		0.241	
MOISTURE (%)														
Percent Moisture	7.6		8.6		7.8		6.9		5.3		8.1		4.3	
Percent Solids	92.4		91.4		92.2		93.1		94.7		91.9		95.7	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-544		SS-544		SS-544		SS-545		SS-545		SS-546		SS-546	
Sample ID	SS544010XX		SS544010FD		SS544115XX		SS545010XX		SS545113XX		SS546010XX		SS546120XX	
Sample Date	9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020	
Sample Depth (feet below surface)	0.0-1.0		0.0-1.0		1.0-1.5		0.0-1.0		1.0-1.3		0.0-1.0		1.0-2.0	
Segment ID	D		D		D		C		C		C		C	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0522	U	0.052	U	0.0543	U	0.0567	U	0.0578	U	0.0562	U	0.0528	U
Aroclor-1221	0.0522	U	0.052	U	0.0543	U	0.0567	U	0.0578	U	0.0562	U	0.0528	U
Aroclor-1232	0.0522	U	0.052	U	0.0543	U	0.0567	U	0.0578	U	0.0562	U	0.0528	U
Aroclor-1242	0.0522	U	0.052	U	0.0543	U	0.0567	U	0.0578	U	0.0562	U	0.0528	U
Aroclor-1248	0.0522	U	0.052	U	0.0543	U	0.0567	U	0.0578	U	0.0562	U	0.0528	U
Aroclor-1254	0.0522	U	0.052	U	0.0543	U	0.31		0.158		0.0562	U	0.0557	
Aroclor-1260	0.0522	U	0.052	U	0.0543	U	0.0567	U	0.0578	U	0.0562	U	0.0528	U
Aroclor-1262	0.0522	U	0.052	U	0.0543	U	0.0567	U	0.0578	U	0.0562	U	0.0528	U
Aroclor-1268	0.0522	U	0.052	U	0.0543	U	0.0567	U	0.0578	U	0.0562	U	0.0528	U
Total PCBs (summed detections)	0.0522	U	0.052	U	0.0543	U	0.31		0.158		0.0562	U	0.0557	
MOISTURE (%)														
Percent Moisture	6.3		4.3		7.4		10.9		11.9		13.1		8.8	
Percent Solids	93.7		95.7		92.6		89.1		88.1		86.9		91.2	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-547		SS-547		SS-548		SS-548		SS-549		SS-550		SS-551	
Sample ID	SS547010XX		SS547118XX		SS548010XX		SS548120XX		SS549010XX		SS550117XX		SS551010XX	
Sample Date	9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/18/2020		9/21/2020	
Sample Depth (feet below surface)	0.0-1.0		1.0-1.8		0.0-1.0		1.0-2.0		0.0-1.0		1.0-1.7		0.0-1.0	
Segment ID	E		E		E		E		E		E		D	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Channel		Channel		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.298	U	0.282	U	0.0531	U	0.536	U	0.601	U	0.668	U	1.13	U
Aroclor-1221	0.298	U	0.282	U	0.0531	U	0.536	U	0.601	U	0.668	U	1.13	U
Aroclor-1232	0.298	U	0.282	U	0.0531	U	0.536	U	0.601	U	0.668	U	1.13	U
Aroclor-1242	0.298	U	0.282	U	0.0531	U	0.536	U	0.601	U	0.668	U	1.13	U
Aroclor-1248	0.298	U	0.282	U	0.0531	U	0.536	U	0.601	U	0.668	U	1.13	U
Aroclor-1254	1.47		1.86		0.876		3.15		5.43		3.98		13.6	
Aroclor-1260	0.298	UJ	0.282	UJ	0.0531	UJ	0.536	UJ	0.601	UJ	0.668	UJ	1.13	U
Aroclor-1262	0.298	U	0.282	U	0.0531	U	0.536	U	0.601	U	0.668	U	1.13	U
Aroclor-1268	0.298	U	0.282	U	0.0531	U	0.536	U	0.601	U	0.668	U	1.13	U
Total PCBs (summed detections)	1.47		1.86		0.876		3.15		5.43		3.98		13.6	
MOISTURE (%)														
Percent Moisture	12.1		11.9		8.7		5.8		18.8		23.2		11.7	
Percent Solids	87.9		88.1		91.3		94.2		81.2		76.8		88.3	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2

SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-551		SS-552		SS-552		SS-553		SS-553		SS-554		SS-554	
Sample ID	SS551112XX		SS552010XX		SS552120XX		SS553010XX		SS553120XX		SS554010XX		SS554120XX	
Sample Date	9/21/2020		9/21/2020		9/21/2020		9/21/2020		9/21/2020		9/21/2020		9/21/2020	
Sample Depth (feet below surface)	1.0-1.2		0.0-1.0		1.0-2.0		0.0-1.0		1.0-2.0		0.0-1.0		1.0-2.0	
Segment ID	D		D		D		D		D		C		C	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.571	U	0.289	U	0.281	UJ	0.0615	U	0.0565	U	0.0558	U	0.0533	U
Aroclor-1221	0.571	U	0.289	U	0.281	UJ	0.0615	U	0.0565	U	0.0558	U	0.0533	U
Aroclor-1232	0.571	U	0.289	U	0.281	UJ	0.0615	U	0.0565	U	0.0558	U	0.0533	U
Aroclor-1242	0.571	U	0.289	U	0.281	UJ	0.0615	U	0.0565	U	0.0558	U	0.0533	U
Aroclor-1248	0.571	U	0.289	U	0.281	UJ	0.0615	U	0.0565	U	0.0558	U	0.0533	U
Aroclor-1254	5.68		2.58		1.28	J-	0.0758		0.0565	U	0.0558	U	0.185	
Aroclor-1260	0.571	U	0.289	U	0.281	UJ	0.0615	U	0.0565	U	0.0558	U	0.0533	U
Aroclor-1262	0.571	U	0.289	U	0.281	UJ	0.0615	U	0.0565	U	0.0558	U	0.0533	U
Aroclor-1268	0.571	U	0.289	U	0.281	UJ	0.215	J	0.0565	U	0.0558	U	0.0533	U
Total PCBs (summed detections)	5.68		2.58		1.28	J-	0.178		0.0565	U	0.0558	U	0.185	
MOISTURE (%)														
Percent Moisture	14.5		12.4		11.5		20.5		13.8		7.2		7.3	
Percent Solids	85.5		87.6		88.5		79.5		86.2		92.8		92.7	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-555		SS-555		SS-556		SS-556		SS-557		SS-557		SS-558	
Sample ID	SS555010XX		SS555118XX		SS556010XX		SS556117XX		SS557010XX		SS557117XX		SS558010XX	
Sample Date	9/21/2020		9/21/2020		9/21/2020		9/21/2020		9/21/2020		9/21/2020		9/21/2020	
Sample Depth (feet below surface)	0.0-1.0		1.0-1.8		0.0-1.0		1.0-1.7		0.0-1.0		1.0-1.7		0.0-1.0	
Segment ID	C		C		D		D		D		D		D	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0515 U		0.0523 U		0.301 U		0.278 U		0.0588 U		0.055 U		0.266 U	
Aroclor-1221	0.0515 U		0.0523 U		0.301 U		0.278 U		0.0588 U		0.055 U		0.266 U	
Aroclor-1232	0.0515 U		0.0523 U		0.301 U		0.278 U		0.0588 U		0.055 U		0.266 U	
Aroclor-1242	0.0515 U		0.0523 U		0.301 U		0.278 U		0.0588 U		0.055 U		0.266 U	
Aroclor-1248	0.0515 U		0.0523 U		0.301 U		0.278 U		0.0588 U		0.055 U		0.266 U	
Aroclor-1254	0.0515 U		0.0523 U		1.61		1.54		0.295		0.192		2.71	
Aroclor-1260	0.0515 U		0.0523 U		0.301 U		0.278 U		0.0588 U		0.055 U		0.266 U	
Aroclor-1262	0.0515 U		0.0523 U		0.301 U		0.278 U		0.0588 U		0.055 U		0.266 U	
Aroclor-1268	0.0515 U		0.0523 U		0.301 U		0.278 U		0.0588 U		0.055 U		0.266 U	
Total PCBs (summed detections)	0.0515 U		0.0523 U		1.61		1.54		0.295		0.192		2.71	
MOISTURE (%)														
Percent Moisture	4.0		5.8		16.6		12.9		18.3		10.9		9.3	
Percent Solids	96.0		94.2		83.4		87.1		81.7		89.1		90.7	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2

SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL

OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-558		SS-559		SS-559		SS-560		SS-560		SS-561		SS-561	
Sample ID	SS558120XX		SS559010XX		SS559120XX		SS560010XX		SS560010FD		SS561010XX		SS561115XX	
Sample Date	9/21/2020		9/21/2020		9/21/2020		9/21/2020		9/21/2020		9/21/2020		9/21/2020	
Sample Depth (feet below surface)	1.0-2.0		0.0-1.0		1.0-2.0		0.0-1.0		0.0-1.0		0.0-1.0		1.0-1.5	
Segment ID	D		D		D		D		D		D		D	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0533 U		0.568 U		0.0568 U		0.282 U		0.275 U		0.295 U		0.287 U	
Aroclor-1221	0.0533 U		0.568 U		0.0568 U		0.282 U		0.275 U		0.295 U		0.287 U	
Aroclor-1232	0.0533 U		0.568 U		0.0568 U		0.282 U		0.275 U		0.295 U		0.287 U	
Aroclor-1242	0.0533 U		0.568 U		0.0568 U		0.282 U		0.275 U		0.295 U		0.287 U	
Aroclor-1248	0.0533 U		0.568 U		0.0568 U		0.282 U		0.275 U		0.295 U		0.287 U	
Aroclor-1254	0.21 J		3		0.79 J		1.99		1.57		2.94		1.48	
Aroclor-1260	0.0533 U		0.568 U		0.0568 U		0.282 U		0.275 U		0.295 U		0.287 U	
Aroclor-1262	0.0533 U		0.568 U		0.0568 U		0.282 U		0.275 U		0.295 U		0.287 U	
Aroclor-1268	0.0533 U		0.568 U		0.0568 U		0.282 U		0.275 U		0.295 U		0.287 U	
Total PCBs (summed detections)	0.21		3		0.79		1.99		1.57		2.94		1.48	
MOISTURE (%)														
Percent Moisture	9.1		13.1		11.7		9.4		8.6		14.3		8.4	
Percent Solids	90.9		86.9		88.3		90.6		91.4		85.7		91.6	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-562		SS-562		SS-562		SS-563		SS-563		SS-563		SS-564	
Sample ID	SS562010XX		SS562119XX		SS562119FD		SS563010XX		SS563010FD		SS563116XX		SS564010XX	
Sample Date	9/22/2020		9/22/2020		9/22/2020		9/22/2020		9/22/2020		9/22/2020		9/22/2020	
Sample Depth (feet below surface)	0.0-1.0			1.0-1.9			1.0-1.9			0.0-1.0			0.0-1.0	
Segment ID	E			E			E			E			E	
Setting	Upland Soil			Upland Soil			Upland Soil			Upland Soil			Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.0582 U			0.0565 U			0.0583 U			0.0538 U			0.0549 U	
Aroclor-1221	0.0582 U			0.0565 U			0.0583 U			0.0538 U			0.0549 U	
Aroclor-1232	0.0582 U			0.0565 U			0.0583 U			0.0538 U			0.0549 U	
Aroclor-1242	0.0582 U			0.0565 U			0.0583 U			0.0538 U			0.0549 U	
Aroclor-1248	0.0582 U			0.0565 U			0.0583 U			0.0538 U			0.0549 U	
Aroclor-1254	0.875			0.451			0.489			0.83			0.621	
Aroclor-1260	0.0582 U			0.0565 U			0.0583 U			0.0538 U			0.0549 U	
Aroclor-1262	0.0582 U			0.0565 U			0.0583 U			0.0538 U			0.0549 U	
Aroclor-1268	0.0582 U			0.0565 U			0.0583 U			0.0538 U			0.0549 U	
Total PCBs (summed detections)	0.875			0.451			0.489			0.83			0.621	
MOISTURE (%)														
Percent Moisture	12.5			10.9			13.4			11.4			9.6	
Percent Solids	87.5			89.1			86.6			88.6			90.4	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-564		SS-565		SS-565		SS-566		SS-566		SS-567		SS-567	
Sample ID	SS564117XX		SS565010XX		SS565120XX		SS566010XX		SS566113XX		SS567010XX		SS567114XX	
Sample Date	9/22/2020		9/22/2020		9/22/2020		9/22/2020		9/22/2020		9/22/2020		9/22/2020	
Sample Depth (feet below surface)	1.0-1.7		0.0-1.0		1.0-2.0		0.0-1.0		1.0-1.3		0.0-1.0		1.0-1.4	
Segment ID	E		D		D		D		D		D		D	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)														
Aroclor-1016	0.268	U	0.0543	U	0.0558	U	0.266	U	0.261	U	0.0578	U	0.0551	U
Aroclor-1221	0.268	U	0.0543	U	0.0558	U	0.266	U	0.261	U	0.0578	U	0.0551	U
Aroclor-1232	0.268	U	0.0543	U	0.0558	U	0.266	U	0.261	U	0.0578	U	0.0551	U
Aroclor-1242	0.268	U	0.0543	U	0.0558	U	0.266	U	0.261	U	0.0578	U	0.0551	U
Aroclor-1248	0.268	U	0.0543	U	0.0558	U	0.266	U	0.261	U	0.0578	U	0.0551	U
Aroclor-1254	2.09		0.231		0.0558	U	1.6		2.83		0.444		0.666	
Aroclor-1260	0.268	U	0.0543	U	0.0558	U	0.266	U	0.261	U	0.0578	U	0.0551	U
Aroclor-1262	0.268	U	0.0543	U	0.0558	U	0.266	U	0.261	U	0.0578	U	0.0551	U
Aroclor-1268	0.268	U	0.0543	U	0.0558	U	0.266	U	0.261	U	0.0578	U	0.0551	U
Total PCBs (summed detections)	2.09		0.231		0.0558	U	1.6		2.83		0.444		0.666	
MOISTURE (%)														
Percent Moisture	9.5		7.7		12.1		8.1		7.6		12.0		11.9	
Percent Solids	90.5		92.3		87.9		91.9		92.4		88.0		88.1	

Notes:
PCBs by USEPA Method SW8082A
U = undetected
J = estimated value
J- = estimated value with low bias
Italic and grey = non validated data

TABLE 2
SURFICIAL SOIL SAMPLE RESULTS
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Location	SS-568		SS-568		SS-569		SS-569		SS-570		SS-570	
Sample ID	SS568010XX		SS568112XX		SS569010XX		SS569120XX		SS570010XX		SS570113XX	
Sample Date	9/22/2020		9/22/2020		9/22/2020		9/22/2020		9/22/2020		9/22/2020	
Sample Depth (feet below surface)	0.0-1.0		1.0-1.2		0.0-1.0		1.0-2.0		0.0-1.0		1.0-1.3	
Segment ID	D		D		D		D		D		D	
Setting	Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil		Upland Soil	
Polychlorinated Biphenyls(PCBs) (mg/kg)												
Aroclor-1016	0.281 U		0.272 U		0.548 U		1.12 U		0.284 U		0.0577 U	
Aroclor-1221	0.281 U		0.272 U		0.548 U		1.12 U		0.284 U		0.0577 U	
Aroclor-1232	0.281 U		0.272 U		0.548 U		1.12 U		0.284 U		0.0577 U	
Aroclor-1242	0.281 U		0.272 U		0.548 U		1.12 U		0.284 U		0.0577 U	
Aroclor-1248	0.281 U		0.272 U		0.548 U		1.12 U		0.284 U		0.0577 U	
Aroclor-1254	2.28		1.92		8.37		13.7		0.284 U		1.26	
Aroclor-1260	0.281 U		0.272 U		0.548 U		1.12 U		0.758		0.0577 U	
Aroclor-1262	0.281 U		0.272 U		0.548 U		1.12 U		0.284 U		0.0577 U	
Aroclor-1268	0.281 U		0.272 U		0.548 U		1.12 U		0.284 U		0.0577 U	
Total PCBs (summed detections)	2.28		1.92		8.37		13.7		0.758		1.26	
MOISTURE (%)												
Percent Moisture	9.7		9.1		8.1		8.9		11.1		14.4	
Percent Solids	90.3		90.9		91.9		91.1		88.9		85.6	

Notes:

PCBs by USEPA Method SW8082A

U = undetected

J = estimated value

J- = estimated value with low bias

Italic and grey = non validated data

FIGURES

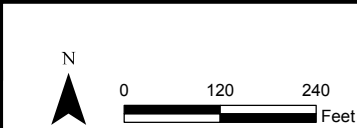
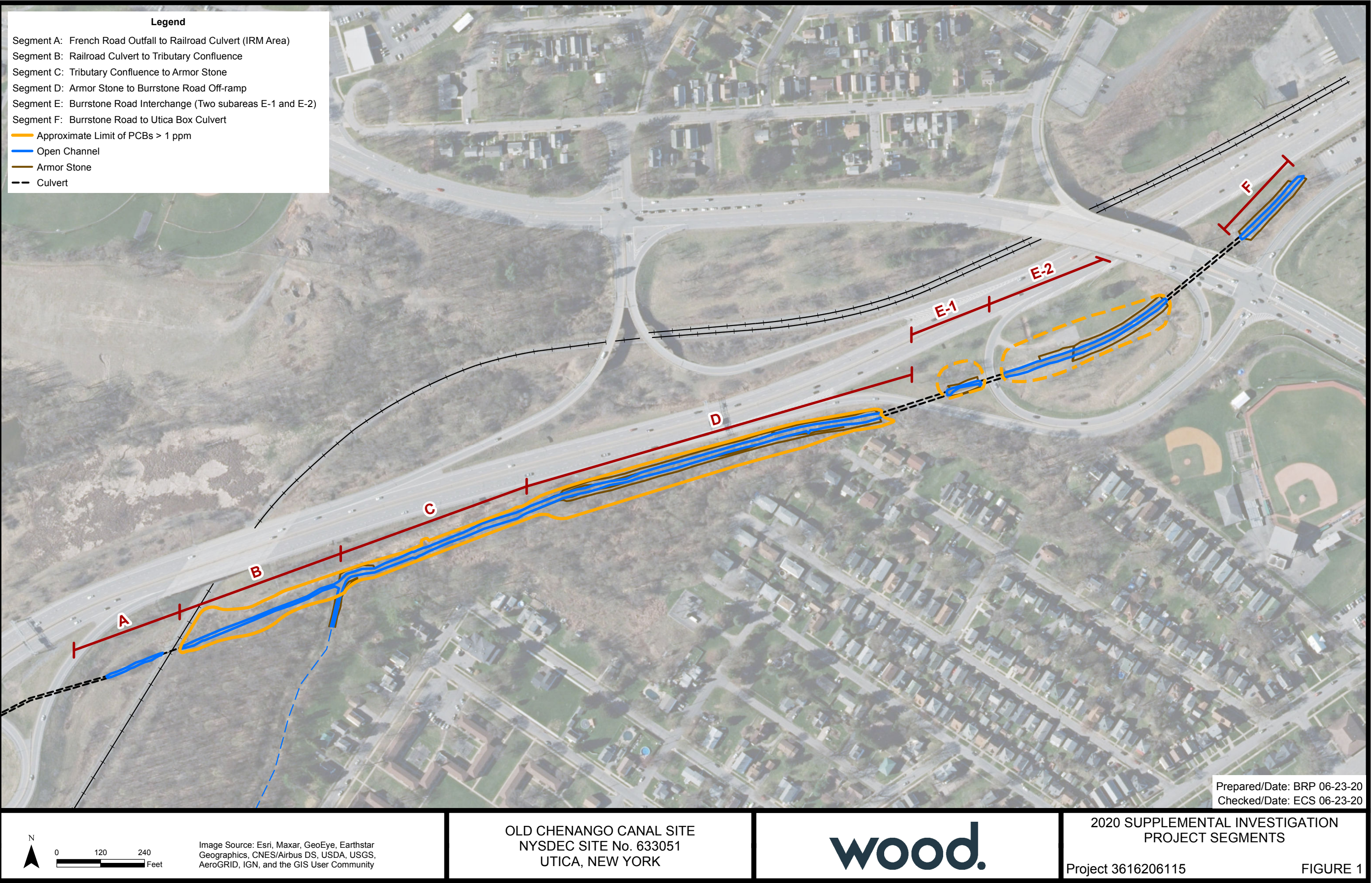


Image Source: Esri, Maxar, GeoEye, Earthstar
Geographics, CNES/Airbus DS, USDA, USGS,
AeroGRID, IGN, and the GIS User Community

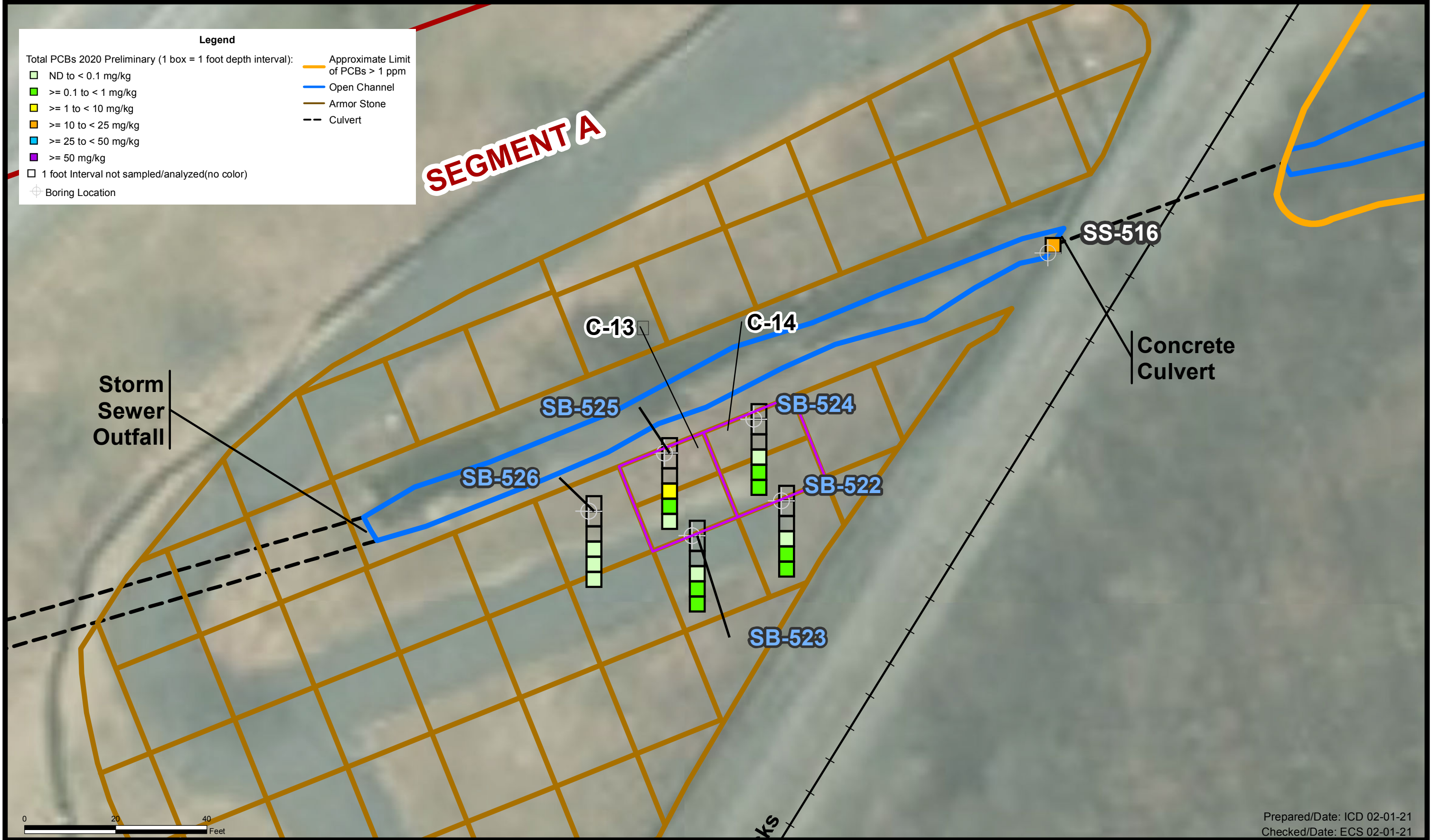
OLD CHENANGO CANAL SITE
NYSDEC SITE No. 633051
UTICA, NEW YORK

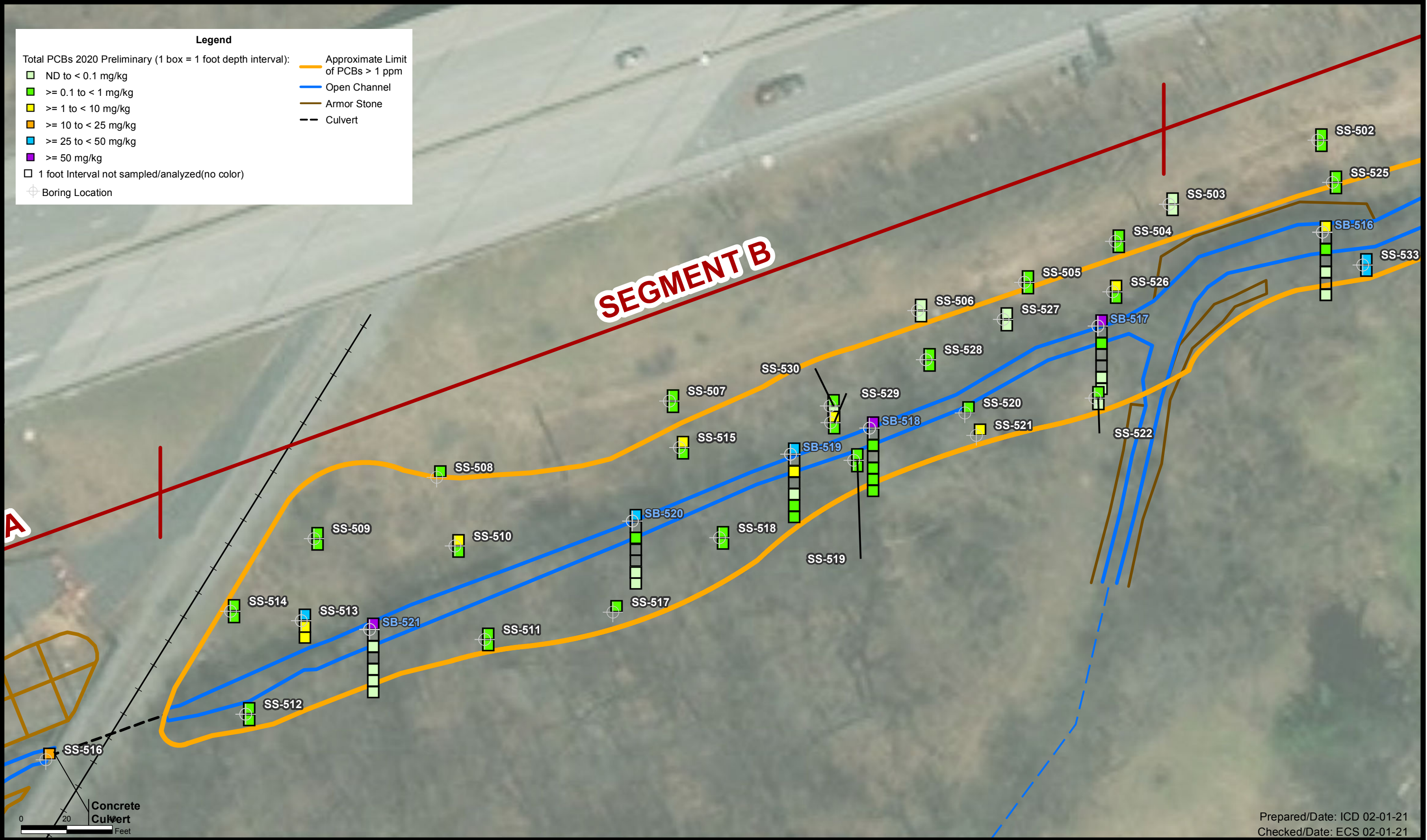
wood.

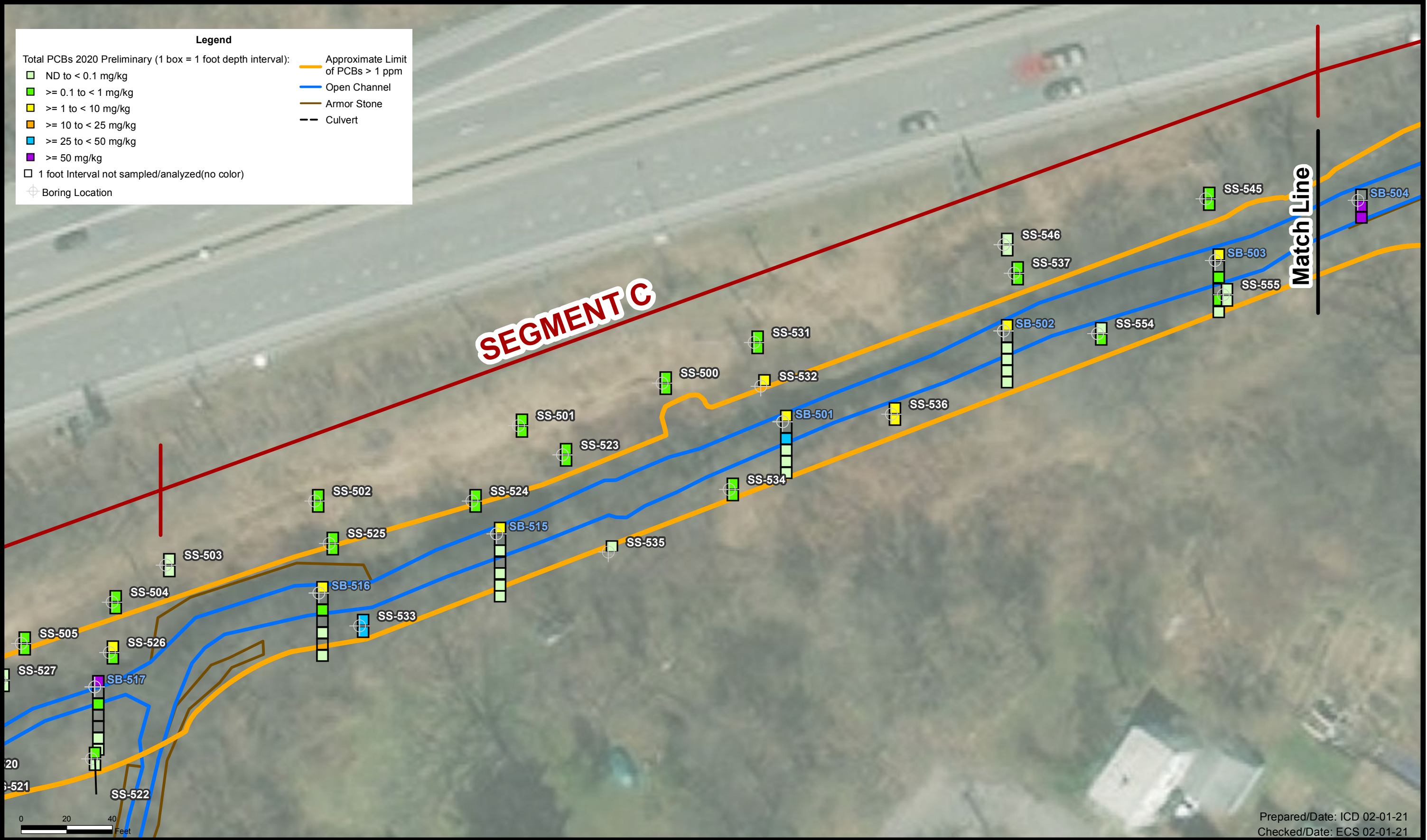
2020 SUPPLEMENTAL INVESTIGATION
PROJECT SEGMENTS

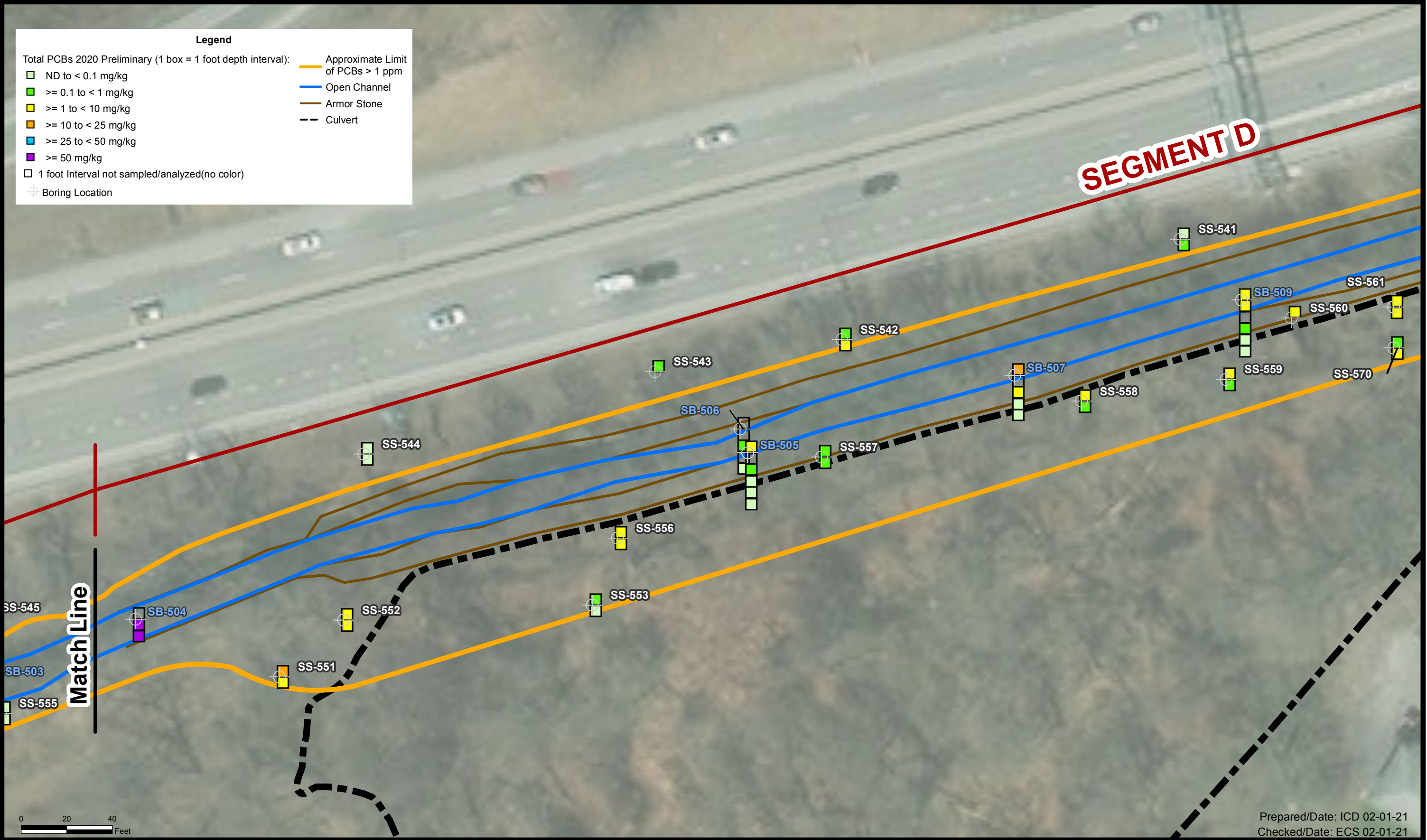
Project 3616206115

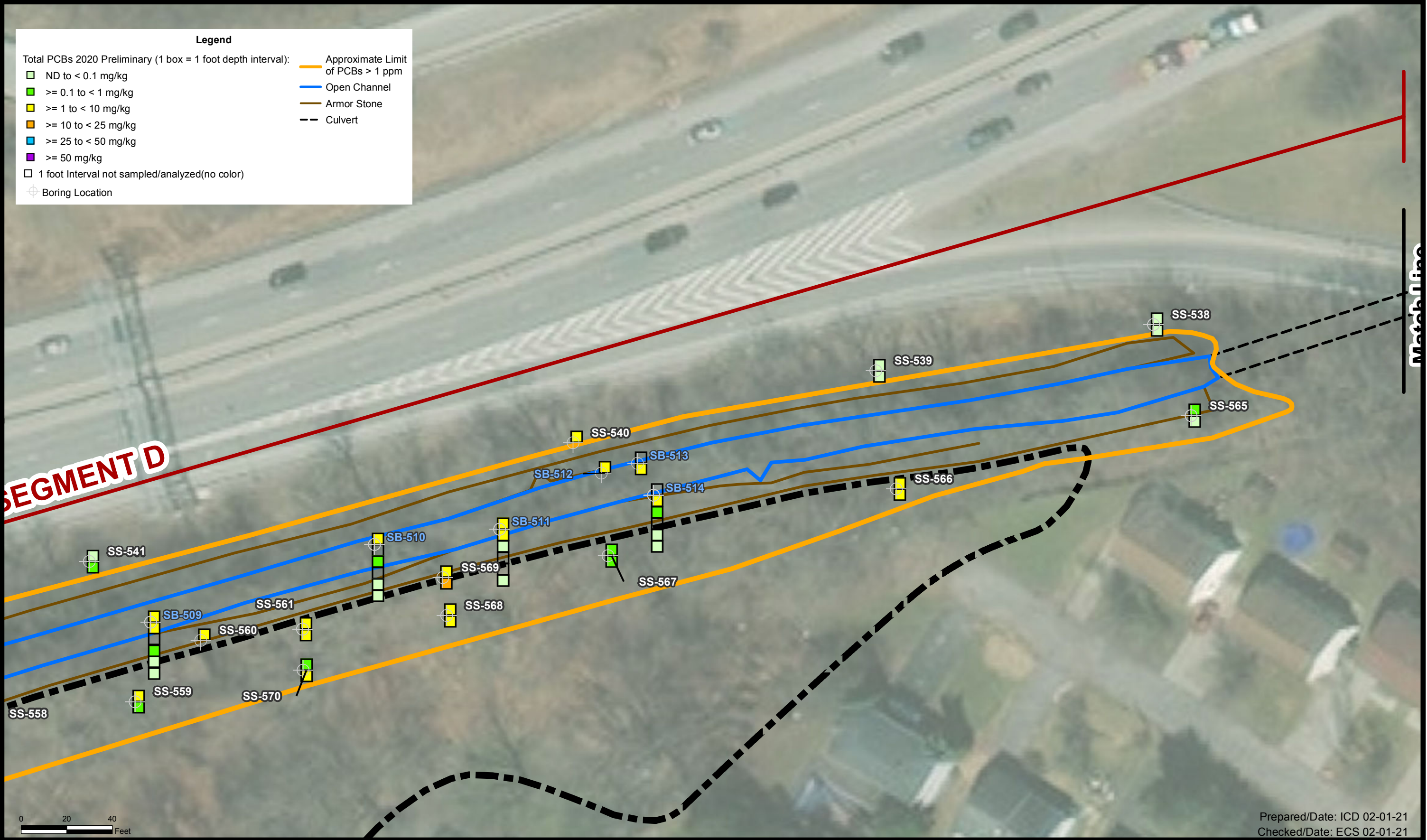
FIGURE 1

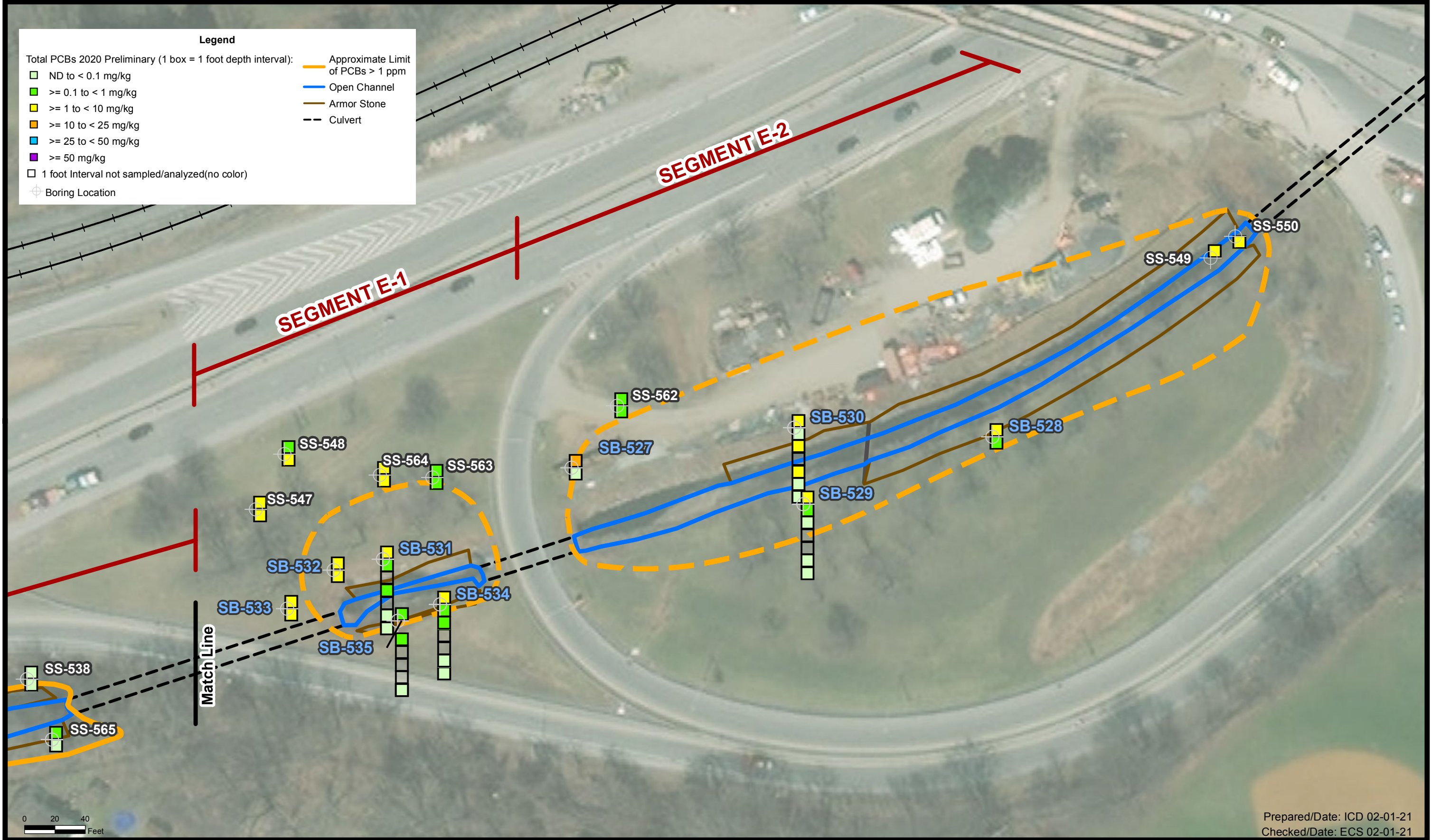


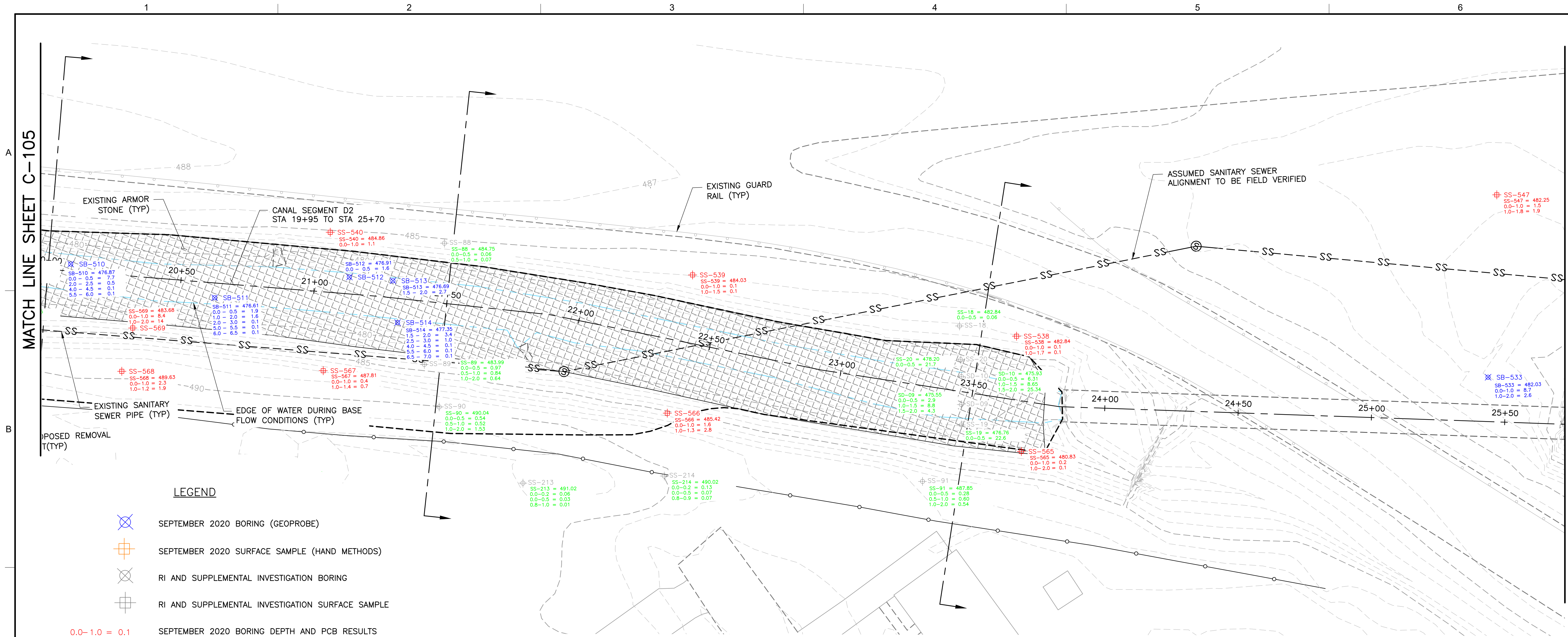






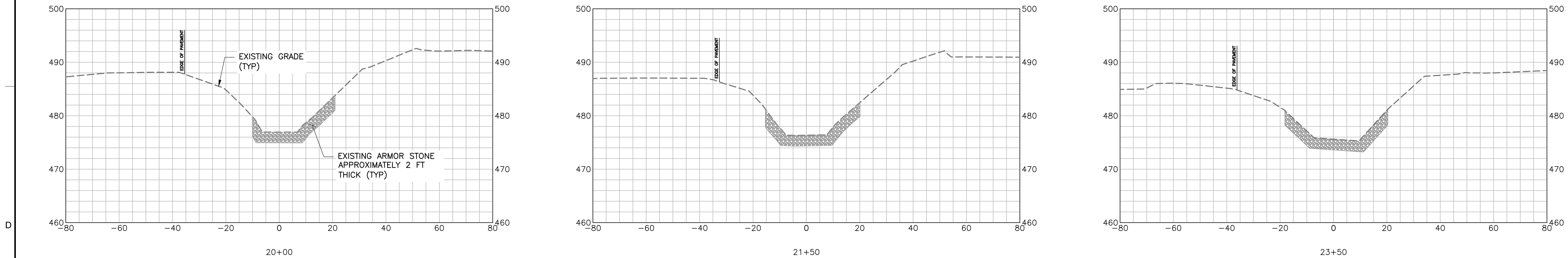




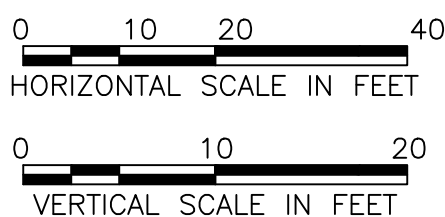


- LEGEND**
- SEPTEMBER 2020 BORING (GEOPROBE)
 - SEPTEMBER 2020 SURFACE SAMPLE (HAND METHODS)
 - RI AND SUPPLEMENTAL INVESTIGATION BORING
 - RI AND SUPPLEMENTAL INVESTIGATION SURFACE SAMPLE
 - 0.0-1.0 = 0.1 SEPTEMBER 2020 BORING DEPTH AND PCB RESULTS
 - 0.0-1.0 = 0.1 SEPTEMBER 2020 SAMPLE DEPTH AND PCB RESULTS
 - 0.0-1.0 = 0.1 HISTORIC INVESTIGATION SAMPLE DEPTH AND PCB RESULTS

NOTE: ANALYTICAL RESULTS FOR TOTAL PCBs SHOWN ON THIS DRAWING ARE REPORTED IN mg/kg (PPM)



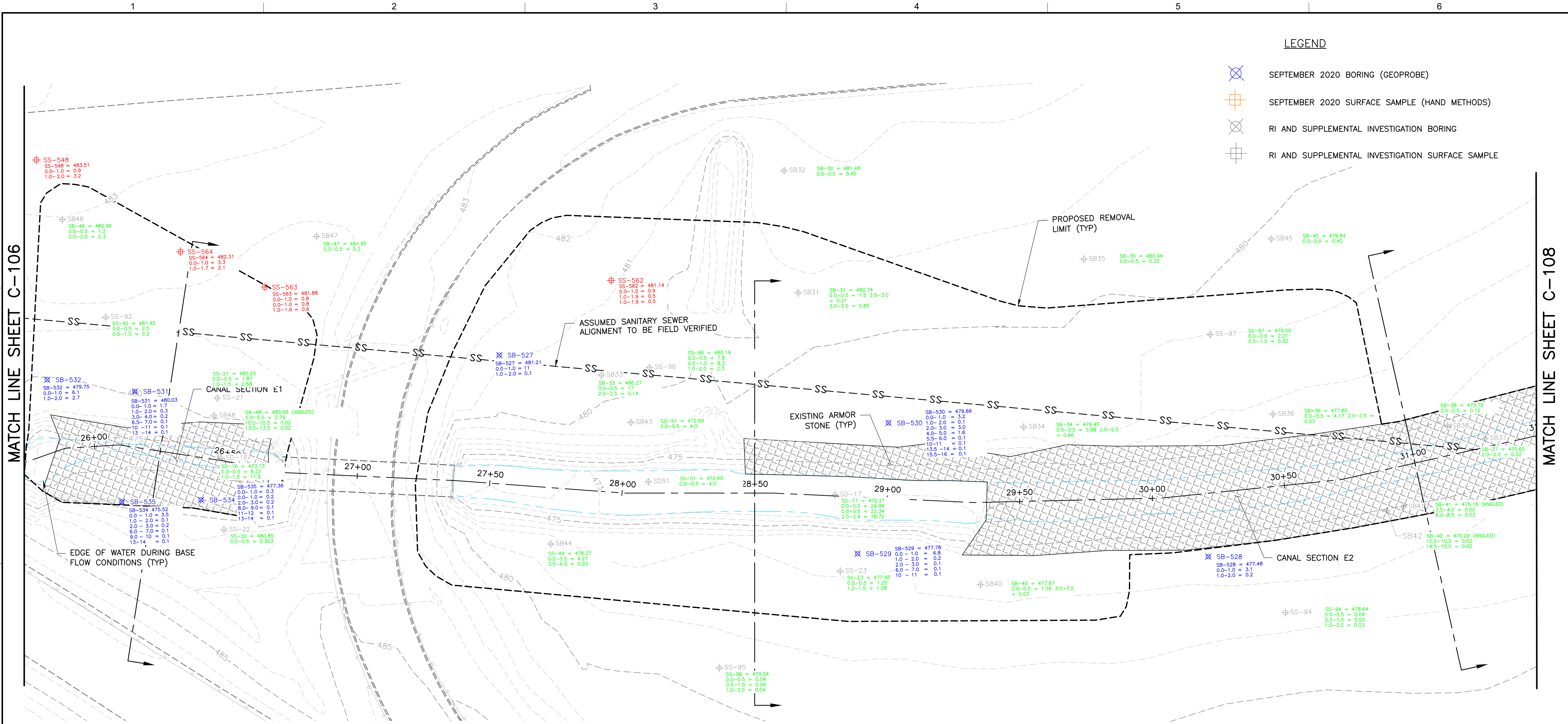
CANAL CROSS SECTIONS



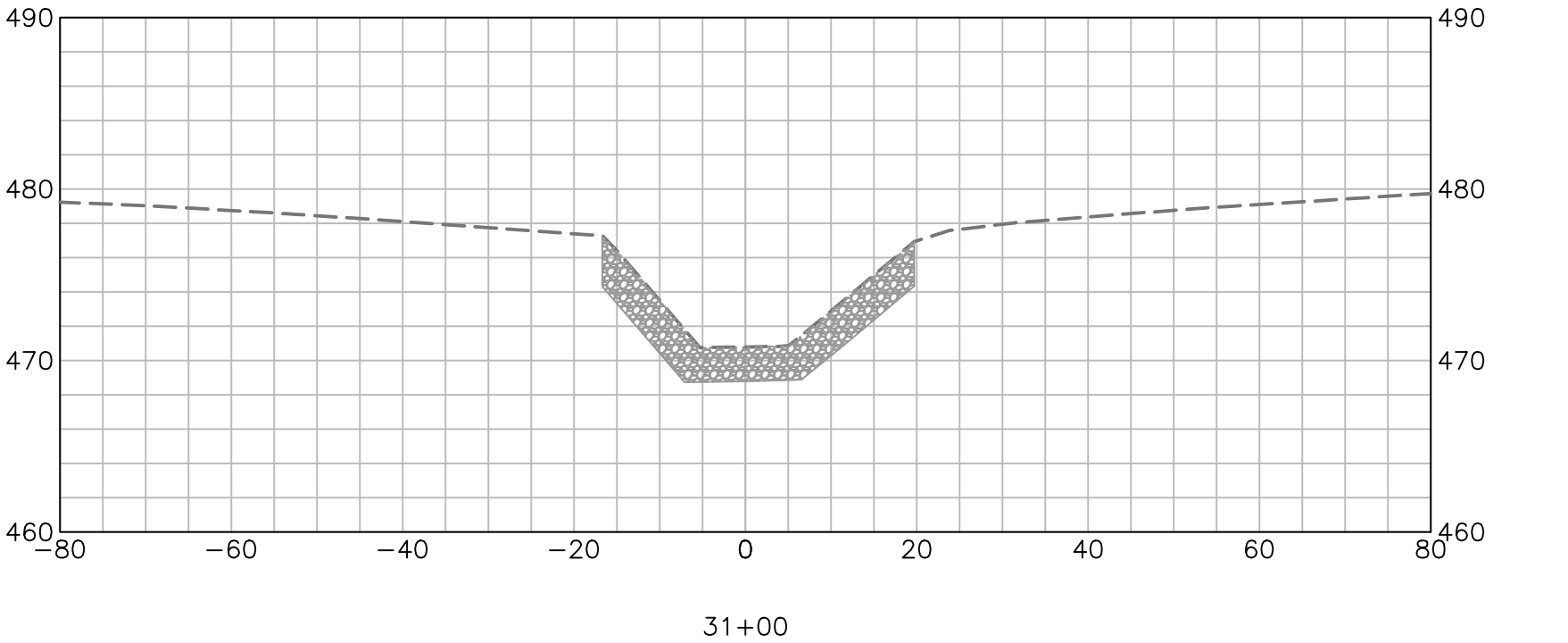
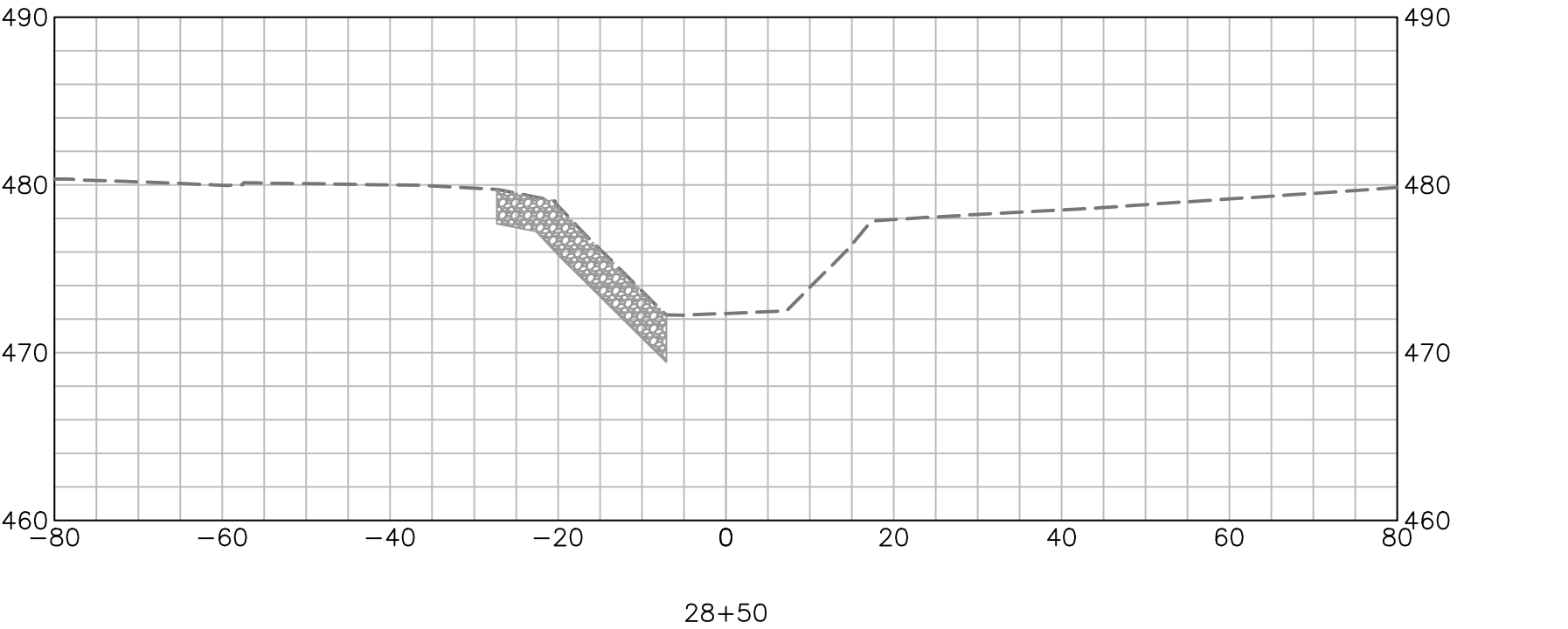
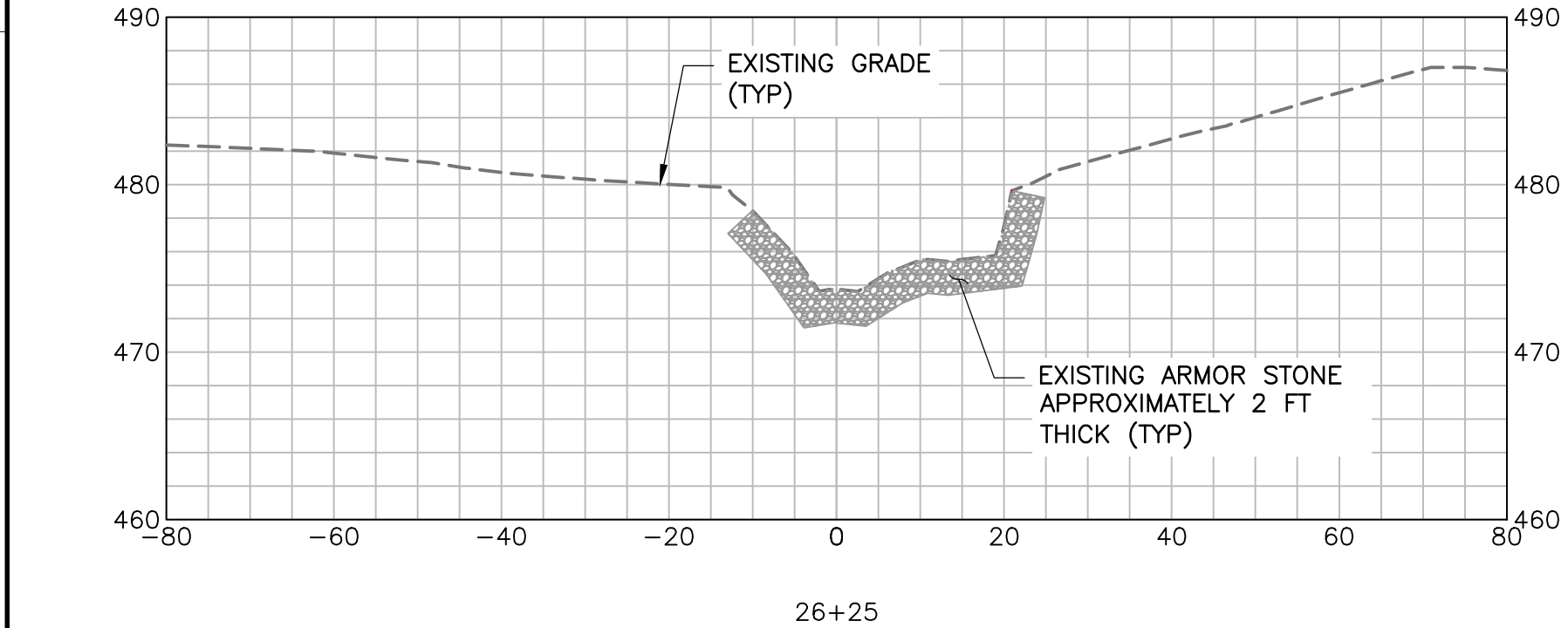
DRAFT

Honeywell 115 FABOR RD. MORRIS PLAINS, NJ 07950		DRAWING STATUS		2020 SUPPLEMENTAL INVESTIGATION	
		FIGURE 12 CANAL SEGMENT D2 TOTAL PCBs - ALL DATA			
wood. Environment & Infrastructure, Inc. 511 Congress Street, Suite 200 Portland, ME 04112 (207) 775-3401		VERIFY SCALE		BAR IS ONE INCH ON ORIGINAL DRAWING	
		DATE 1/12/21		PROJ 3616-18-6069	
NO. DATE DSGN		REVISION		TDD	
BY APVD		CHK		ECS	
SCOP		TDD		NY PROFESSIONAL ENGINEER	
LICENSE NUMBER		TDD		L	

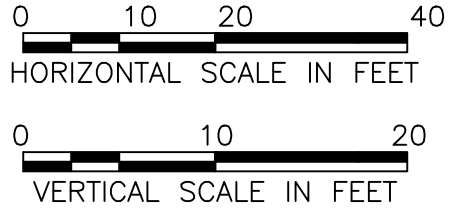
THIS DRAWING IS THE PROPERTY OF AMEC, INCLUDING ALL PATENTED AND PATENTABLE FEATURES, AND/OR CONFIDENTIAL INFORMATION AND ITS USE IS CONDITIONED UPON THE USER'S AGREEMENT NOT TO REPRODUCE THE DRAWING, IN WHOLE OR PART, NOR THE MATERIAL DESCRIBED THEREON, NOR THE USE OF THE DRAWING FOR ANY PURPOSE OTHER THAN SPECIFICALLY PERMITTED IN WRITING BY AMEC.



- LEGEND
- SEPTEMBER 2020 BORING (GEOPROBE)
 - SEPTEMBER 2020 SURFACE SAMPLE (HAND METHODS)
 - RI AND SUPPLEMENTAL INVESTIGATION BORING
 - RI AND SUPPLEMENTAL INVESTIGATION SURFACE SAMPLE



CANAL CROSS SECTIONS



DRAFT

115 TABOR RD. MORRIS PLAINS, NJ 07950

Honeywell

2020 SUPPLEMENTAL INVESTIGATION
OLD CHENANGO CANAL SITE
NYSDEC SITE ID 633051
UTICA, NEW YORK

DRAWING STATUS
2020 SUPPLEMENTAL INVESTIGATION

FIGURE 13
CANAL SEGMENT E1 AND E2
TOTAL PCBs - ALL DATA

wood.

Environment & Infrastructure, Inc.
511 Congress Street, Suite 200
Portland, ME 04112
(207) 775-3401

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING
1"

DATE
1/12/21

PROJ
3616-18-6069

DWG
C-107

SHEET
8 OF 9

NO. DATE DSGN

DR TDD

REVISION TDD

APVD EGS

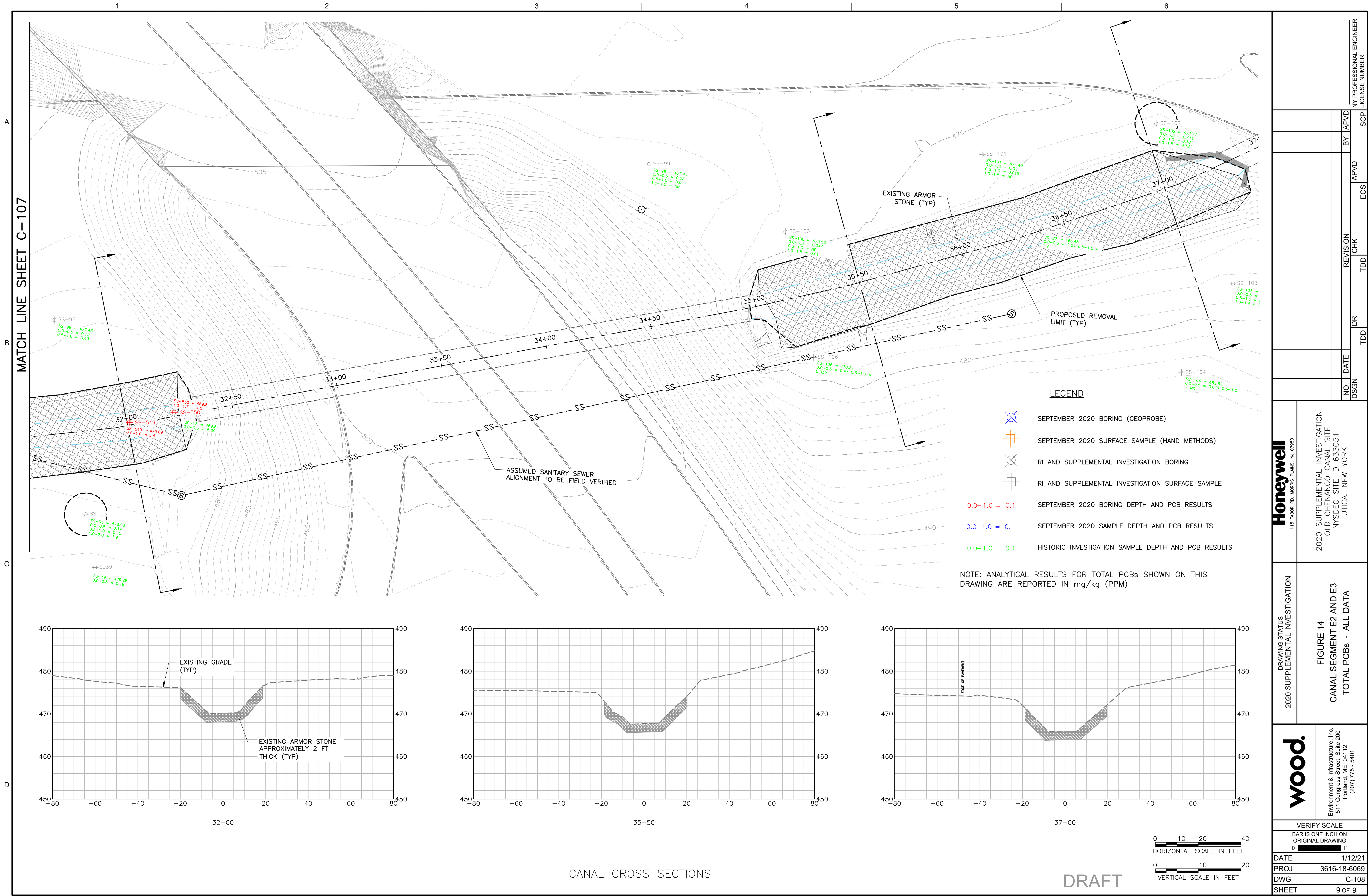
BY APVD

SOP

NY PROFESSIONAL ENGINEER
LICENSE NUMBER

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FILE NAME: C:\Donovan\Utica\FSC-XXX Canal Segmen Plans and Sections.dwg PLOT DATE: Thu, 11 Feb 2021 PLOT TIME: 1:41 PM



APPENDIX A

SOIL BORING LOGS

APPENDIX B

DATA USABILITY SUMMARY REPORT

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-501
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location: <i>Creek bed (Nail Creek)</i>	Refusal Depth: <i>7.5'</i>	Total Depth: <i>7.5' Bbs</i>	Bore Hole ID/OD:
Weather: <i>Mostly cloudy 65-72, calm</i>	Soil Drilled: <i>7.5'</i>	Method: <i>Direct push</i>	Casing Size:
Subcontractor: <i>Parrat Wolff Inc.</i>	P.I.D (eV):	Protection Level: <i>D</i>	Sampler: <i>MacroCore</i>
Driller: <i>Matt Currie</i>	Date Started: <i>9/14/20</i>	Date Completed: <i>9/14/20</i>	Sampler ID/OD: -----
Rig Type/Model: -----	Logged By: <i>ZGS</i>	Checked By: <i>ICD 02/02/21</i>	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									SENT FOR ANALYSIS
1						005	0-0.5 Rock shingle, wobbly water sorted w/ sandy interfill - sampled sand by hand	X	
2		<i>2.3 / 3.5</i>				020	1-2 brown gravelly sand slight orange color		HOLD
3						030	2-3 gray gravelly sand w/ some silt	X	
4						040	3-4 brown gravelly sand	X	
5			0			050	@4.5 feet gray dense fine sand with occ gravel and rock chips, dense	X	
6		<i>2.0 / 3.5</i>	0			065	fine	X	
7			0			075	refusal @ 7.5		HOLD

NOTES: located = 30' downstream from Acadia Str access point.

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-502
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 6'	Total Depth: 6' 13.65	Bore Hole ID/OD:
Weather: Partly cloudy 65°F, calm	Soil Drilled: 6'	Method: Direct Push	Casing Size:
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level: D	Sampler: Macro Core (4")
Driller:	Date Started: 9/14/20	Date Completed: 9/14/20	Sampler ID/OD: -----
Rig Type/Model: -----	Logged By: Eric S.	Checked By: ICD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									ANALYZE
1		2.1/2.5				005	0-0.5 cobbly gray rock shingle with sand & gravel		X
2						0020	0.5-2 gray gravel & sand, gray loose f. cse		HOLD
3						0030	2-3 brown gravelly sand		X
4						0040	@ 3 TCU 3-4 gray sand w/ gravel & silt. dense		X
5		2/2				0050			X
6						0060	Gray TCU dense		X
7							Refusal 6.5		

NOTES: Located ~ 130' Downstream from Franklin Ave entry point.

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-503
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 7'	Total Depth: 7' BGS	Bore Hole ID/OD:
Weather: Partly cloudy, 65°F	Soil Drilled: 7'	Method: Direct Push	Casing Size:
Subcontractor: Parrat Wolf Inc.	P.I.D (eV):	Protection Level: D	Sampler: Macro Cone (4')
Driller: Matt Carnie	Date Started: 9/14/20	Date Completed: 9/14/20	Sampler ID/OD: -----
Rig Type/Model: PowerProbe 9600T	Logged By: J. Rawcliffe	Checked By: ICD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									ANALYZE
1	MC-1					005	Brown fine to coarse sand and gravel with cobbles and traces of fines. Streambed deposits.		HOLD
0.5-4			0			020			
2		2.3 3.5	0.1			030		X	
3			0.2			040			
4							Change to gray Till material at ≈ 3.7' BGS		HOLD
5	MC-2		6			050	Gray to brownish gray fine to coarse sand and gravel in a clay/silt matrix (Till).		HOLD
6	4-7	3.0 3.0	0.1			060		X	
7			0			070			
							Refusal at 7'		

NOTES: Located ≈ 100' downstream from SB-502 ≈ 30' above old lock structure. Collected samples at ≈ 1' intervals (7).

Honeywell

wood.

Project Name:	Old Chenango Canal
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Project Location:	Utica, NY
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Page No. (

Project No.: 3616206115.310001.31 Client:	Honeywell
---	-----------

of:	1
-----	---

Boring Location:

Refusal Depth: 3'

Total Depth: 3'

Bore Hole ID/OD:

Weather: Partly cloudy 65-70, breeze

Soil Drilled:

Method: Direct Recd

Casing Size:

Subcontractor: Parrat Wolff Inc.

P.I.D (eV):

Protection Level: D

Sampler: Macro Core (4")

Driller: Matt Carnie.

Date Started: 9/14/20

Date Completed: 9/14/20

Sampler ID/OD:-----

Rig Type/Model: PowerPulse 9600T

Logged By: T. Rawcliffe

Checked By: ICD 02/02/21

Reference Elevation: -----

Water Level:-----

Time: -----

NOTES: located $\approx 70'$ down stream of ss 503 within rock walls of old lock structure,

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-505
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 27'	Total Depth:	7'1365
Weather: Partly cloudy, 65-70°F	Soil Drilled:	Method:	Bore Hole ID/OD:
Subcontractor: Parrat Wolf Inc.	P.I.D (eV):	Protection Level: D	Casing Size:
Driller: Matt Carpio	Date Started: 9/14/20	Date Completed: 9/14/20	Sampler: Macro Core (4')
Rig Type/Model: Power Line 9600T	Logged By: J. Rauschle	Checked By: JCD 02/02/21	Sampler ID/OD: -----
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									ANALYZE
1	MC-1 0.5-4	2.2 3.5	0			005	Brown fine-coarse sand and gravel with a trace of silt. (Cobbles and boulders)	X	Boring between arrow stones in bottom of channel.
2			0			020	transitions to gray beneath a thin (2cm) black organic layer.		HOLD
3			0			030	2.5'	X	
4						040	Brownish gray fine to coarse sand and gravel in clay/silt matrix. (Till).	X	
5	MC-2 4-7	2.6 3.0	0			050	Brownish gray to gray Till	X	
6			0			060	6-7 Brownish gray (slightly reddish) fine sand with silt and fines of clay.	X	
7			0			070			HOLD
							Refusal at 7'		

NOTES:

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-504
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 5.5'	Total Depth: 5.5'	Bore Hole ID/OD:
Weather:	Soil Drilled: 5.5'	Method: Direct Push	Casing Size:
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level: D	Sampler: Macro Core (4')
Driller: Matt Carnie	Date Started: 9/14/20	Date Completed: 9/14/20	Sampler ID/OD: -----
Rig Type/Model: Power Probe 9600J	Logged By: J. Ravello	Checked By: ICD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1 1-4	1.2 3.0	0			030	Brown fine to coarse sand and gravel.		FOR ANALYSIS
2			0						
3			0						
4									
5	MC-2 4-5.5	1.5 1.5	0			050	Gray to brownish gray till.		
6			0				Refusal at 5.5' BGS		
							only two samples collected due to cobbles		

NOTES: Located near SB-505 on ~~NE~~ side of channel between 2 arrow stones.

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-507
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 5'	Total Depth: 5' B65	Bore Hole ID/OD:
Weather: Partly cloudy, 165°F	Soil Drilled: 5'	Method: Direct Push	Casing Size:
Subcontractor: Parrot Wolf Inc.	P.I.D (eV):	Protection Level: D	Sampler: Macro Core (4")
Driller: Matt Carney	Date Started: 9/14/20	Date Completed: 9/14/20	Sampler ID/OD: -----
Rig Type/Model: Powerline 9600 T	Logged By: J. L. Lavelle	Checked By: ICD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									ANALYZE
1	MC-1		0			005	Brown f-c sand and gravel with a trace of fines		X
0.5-4		2.0/3.5							
2			0						
3			0			030	Change at 2.5-3' to Gray to grayish brown Till. Bottom of sample was nearly all rock and gravel.		X
4						040			X
	MC-2						Gray to grayish brown Till.		
5	4-5					050			X
							Refusal at 5' B65		
6									
7									

NOTES: Located ~ 100' downstream from SB-505/506 on S side of channel

Honeywell

511 Congress Street, Portland Maine 04101

1

of:

Time: -----

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-509
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 5.5	Total Depth: 5.5' BGS	Bore Hole ID/OD:
Weather: Partly cloudy, 65°F	Soil Drilled: 5.5'	Method: 11.5" bit fresh	Casing Size:
Subcontractor: Parfat Wolff Inc.	P.I.D (eV):	Protection Level: D	Sampler: MacroCone (4')
Driller: Matt Carnie	Date Started: 9/14/20	Date Completed: 9/14/20	Sampler ID/OD: -----
Rig Type/Model: PowerProbe 9600T	Logged By: J. Rauschle	Checked By: LCD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									ANALYSIS
1	MC-1 0.5-3.5	2.2/ 3.0				005	Brown fine to coarse sand and gravel	X	
2			0			020	Gray to brown fine to coarse sand and gravel with some silt.	X	
3						035		X	
4	MC-2 3.5-5.5	1.6/ 2.0	0			045	B. Grayish brown to gray Till.	X	FD also
5			0			055		X	
6							Bottom of boring = 5.5' BGS Refusal in Till.		
7									

NOTES: ~100' downstream from SB-507/508 on N side of channel.

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-510
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 6	Total Depth: 6' BGS	Bore Hole ID/OD:
Weather:	Soil Drilled: 6	Method: Direct Push	Casing Size:
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level: D	Sampler: Macro core (4")
Driller: Matt Carme	Date Started: 9/14/20	Date Completed: 9/14/20	Sampler ID/OD: -----
Rig Type/Model: Bower Prime 9000T	Logged By: J. R. Ruchlicki	Checked By: ICD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									ANALYZE
1	ML-1 0.5-3.5 0.5-4.0	1.5 3.5	0		1-1.5	005	HOLD Top of recovery is very dark brown to dark grey fine to coarse sand and gravel with a trace silt and some organics. Bottom of sample is Brown fine to coarse sand with a little silt. Poor recovery due to loose wet soils.		X Recovery is estimated to be from 0.5-3.5 due to loose soils
2									
3			0		2-2.5	025			X
4									
5	ML-2 4-6	2.0 2.0			4-4.5	050	Gray to reddish brown grey Till		X 4-4.5' ms/msd
6					5.5-6	060	Bottom of boring = 6' BGS Refusal in Till		

NOTES:

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name: Old Chenango Canal

Project Location: Utica, NY

Project No.: 3616206115.310001.31 Client: Honeywell

Boring ID: SB-511

Page No. 1

of: 1

Boring Location:

Refusal Depth: 6.5

Total Depth: 6.5

Bore Hole ID/OD:

Weather: Sunny, 45°F, calm

Soil Drilled: 6.5

Method: Direct Push

Casing Size:

Subcontractor: Parrot Wolf Inc.

P.I.D (eV):

Protection Level: D

Sampler: MacroCone (4")

Driller: Matt Curran

Date Started: 9/15/20

Date Completed: 9/15/20

Sampler ID/OD: -----

Rig Type/Model: PowerPush 960ST

Logged By: J. Rawliff

Checked By: ICD 02/02/21

Reference Elevation: -----

Water Level: -----

Time: -----

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1 0.5-4"	2.3 3.5	0			005	Gray brown fine to coarse sand and gravel		0840 0-0.5
2			0			020	Brown f-c sand and gravel with a trace silt.		1-2 0847
3			0			030			2-3 0845
4									
5	MC-2 4-6.5	2.2 2.5	0			055	Gray to reddish brown fine Till f-c sand and gravel in silt and clay matrix.		5-5.5 0855
6			0			065			6-6.5 0900
							Refusal at 6.5' BGS in till.		

NOTES: Located S bank ~ 50' E of SB-510. Between armor stones S side of channel.

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-512
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth:	Total Depth:	Bore Hole ID/OD:
Weather: Sunny 45°F, caly	Soil Drilled:	Method:	Casing Size:
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level: D	Sampler: Macrocore (4")
Driller: Matt Corace	Date Started: 9/15/20	Date Completed: 9/15/20	Sampler ID/OD: -----
Rig Type/Model: Powerhead 9600 T	Logged By: J. Rawcliffe	Checked By: ICD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	ML-1 0.5-4	0.5 3.0					Brown to grey brown fine to coarse sand and gravel.		0-0.15
2									
3									
4									
5	ML-2 4-						No recovery		
6									
7									

NOTES: Located N side of creek below outfall (storm sewer)
 ≈ 100' downstream from SB-570

Honeywell

wood.

Project Name:	Old Chenango Canal
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Boring ID: SB-57.3

Project Location:	Utica, NY
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Page No.

Project No.: 3616206115.310001.31 Client: Honeywell

of: $\int$

Boring Location:

Refusal Depth: 

Total Depth: 4'

Bore Hole ID/OD:

Weather:

Soil Drilled: 47

Method: Direct Push

Casing Size:

Subcontractor: Parrat Wolff Inc.

P.I.D (eV):

Protection Level: D

Sampler:

Driller: Matt (signed)

Date Started: 9/15/20

Date Completed: 9/15/20

Sampler ID/OD: _____

Rig Type/Model: PowerTech 9600 T

Logged By: T. Rawat

Checked By: ICD 02/02/21

Reference Elevation:

Water Level: -----

Time: _____

[illegible]

NOTES: Moved $\approx 20'$ downstream from SB-512 to attempt a location with better recovery. N side of stream

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-514
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 7'	Total Depth: 7' BGS	Bore Hole ID/OD:
Weather:	Soil Drilled:	Method: Direct Push	Casing Size:
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level: D	Sampler: Macrocore (4")
Driller: Matt Cervino	Date Started: 9/15/20	Date Completed: 9/15/20	Sampler ID/OD: -----
Rig Type/Model: Downer High 9600 R	Logged By: J. Kucelicki	Checked By: ICD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1 0.5-3	1.7/ 2.5	0				Brown to gray brown fine to coarse sand and gravel with a trace of silt.		See SB-512 0-0.5
2							Gray fine to coarse sand with silt and gravel		1.5-2 1000
3			0.1				Brown sandy gravel		2.5-3 0955
4	MC-2 3-7	2.9/ 4.0	0.1				Brown to grayish brown fine to coarse sand with a trace of silt.		4-4.5 1008
5			0.1				Change to reddish brown gray till		5.5-6 1005
6			0.1						6.5-7 1002
7							Refusal at = 7' BGS		

NOTES: S side of stream across from SB-513

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB 515
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 8'	Total Depth:	8'
Weather:	Soil Drilled: 8'	Method:	
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level: D	Casing Size:
Driller: <u>Matt Carnie</u>	Date Started: 9/15/20	Date Completed: 9/15/20	Sampler: <u>MacroCore (4")</u>
Rig Type/Model: <u>Powerpile 960T</u>	Logged By: <u>J. Rawcliffe</u>	Checked By: ICD 02/02/21	Sampler ID/OD: -----
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	ML-1 0-4	2.1 4.0	0				Brown to grayish brown fine to coarse sand and gravel with a trace to a little silt. (and overpresent cobbles)		1050 0-0.5
2			0.1						1.5-1.5 1055
3			0.1						2-2.5 1057
4									
5	ML-2 4-8	2.4 4.0	0.1				4-5 Dark gray to dark grayish brown fine to coarse sand and gravel with some silt change at ± 5'		4-5 1105
6			0				Reddish brown to gray brownish gray till		5.5-6 1110
7			0						7-7.5 1112
							Bottom of boring = 8' BGS Refusal in till.		

NOTES: hauled upstream from Arcadia Ave access point.

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-516
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	2
Boring Location:	Refusal Depth: 11	Total Depth:	11
Weather: Clear, 50°F, calm	Soil Drilled: 11	Method:	Direct Push
Subcontractor: Parrot Wolff Inc.	P.I.D (eV):	Protection Level:	D
Driller: Matt Carnie	Date Started: 9/15/20	Date Completed:	
Rig Type/Model: Powersprobe	Logged By: J. Ravello	Checked By:	ICD 02/02/21
Reference Elevation: -----	Water Level: -----	Time:	-----

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1 0-4	1.8 4.0	0.3				0-1 Greyish brown fine to coarse sand and gravel with a little silt. Cold.		1-1.5 1125
2			0.2				Brown fine to coarse sand and gravel with a little silt.		2-2.5 1130
3									
4									
5	MC-2 4-8	2.9 4.0	0.1				4-5.5 Brown to yellow brown coarse sand with some gravel and fine to medium sand and a little silt		4-5 1140
6			0.2				5.5' Strong reddish brown to reddish brown Till.		5.5-6 1145
7			0.1				Reddish brown to grey Till.		7-7.5 1147
8									

NOTES:

Honeywell

wood.

Project Name:

Old Chenango Canal

Boring ID:

SB-51b

Project Location:

Utica, NY

Page No.

Project No.: 3616206115.310001.31 Client:

Honeywell

of: 2

2

Boat Location:

Refusal Depth: 11

Total Depth: 11 BGS

Bore Hole ID/OD:

Water: Clear, 50°F, color

Soil Drilled: 11

Method: Direct Print

Casing Size:

Subcontractor: Parrat Wolff Inc.

P.I.D (eV):

Protection Level: D

Sampler: MacroCore 4-

Driver: David Burns

Date Started: 9/15/20

Date Completed: 9/15/20

Sampler ID/OD: -----

Right type/Model: PowerLite 9640 T

Logged By: J. Rauscher

Checked By: ICD 02/02/21

Reference Elevation: -----

Water Level: -----

Time: _____

[illegible]

NOTES:

See page 1.

Honeywell

SOIL BORING LOG

wood. 511 Congress Street, Portland Maine 04101	Project Name:	Old Chenango Canal	Boring ID:	SB-517
	Project Location:	Utica, NY	Page No.	1
	Project No.:	3616206115.310001.31	Client:	Honeywell
			of:	1
Boring Location:	Refusal Depth:	8' 1"	Total Depth:	8' 1"
Weather:	Soil Drilled:	8' 1"	Method:	Direct Push
Subcontractor:	P.I.D (eV):		Protection Level:	D
Driller:	Date Started:	9/15/20	Date Completed:	9/15/20
Rig Type/Model:	Logged By:	J. Rawcliffe	Checked By:	ICD 02/02/21
Reference Elevation:	Water Level:		Time:	

Sample Information		Monitoring					USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID		
0.0								
1	MC-1	1.6	0.1					0-0.5 1310
2	0-4	4.0	0.3					1-1.5 1315
3								
4								2-2.5 1320
5	MC-2	2.9	0.2					4-6 Yellow brown coarse sand and gravel with f-m sand and a little silt
6	4-8	4.0	0.2					6-7 Yellow brown f-c sand and gravel with silt.
7								7-8 Brown to yellow brown fine sand becoming fine sandy silt
8			0.1					
9	MC-3							Refusal at 8' 1" on something hard.
10	8-8.1							
11								
12								

NOTES: Located ~ 30' above confluence of Nail Creek and Upper Nail Creek.

Honeywell

SOIL BORING LOG

wood. 511 Congress Street, Portland Maine 04101	Project Name:	Old Chenango Canal	Boring ID:	SB-518
	Project Location:	Utica, NY	Page No.	1
	Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth:	10.5	Total Depth:	10.5
Weather:	Soil Drilled:	10.5	Method:	Direct Push
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):		Protection Level:	D
Driller: Threl Bawes	Date Started:	9/15/20	Date Completed:	9/15/20
Rig Type/Model: PowerPole 4000T	Logged By: J. R. Ravelle		Checked By:	ICD 02/02/21
Reference Elevation:	Water Level:		Time:	

Sample Information				Monitoring			Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1 0-4	1.9 4.0	0.5				0-0.6 Brown to light brown fine to coarse sand and gravel with some silt and organics, oily organic odor. 0.6-1.5 Brown to grayish brown fine to coarse sand and gravel with a little silt. 1.5-Bottom - Brown to yellow brown fine to coarse sand and gravel with a little silt.		0-0.5 1400
2			0.2						1-1.5 1410
3			0.2						2-2.5 1415
4									
5	MC-2 4-8	2.6 4.0	0.2				4-7.5 Brown to yellow brown sand and gravel with a little to a trace of silt. 7.5-8 Brown to yellow brown fine sand and silt.		4.5-5 1420
6			0.2						6-6.5 1425
7			0.1						7.5-8 1428
8									
9	MC-3 8-10.5	2.2 2.5	0.1				8-8.5 Brown fine sand 8.5-10.5 Brown to brownish gray Till (f-sand and gravel in silt and clay matrix).		8.5-9 1440
10			0.1						10-10.5 1445
11							Bottom of boring = 10.5' Refusal in Till		
12									

NOTES: located ≈ 140' above confluence of Nail Creek and Upper Nail Creek.

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-519
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth:	Total Depth:	Bore Hole ID/OD:
Weather:	Soil Drilled:	Method: Direct Push	Casing Size:
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level: D	Sampler: Macrocore (4')
Driller: Matt Curnee	Date Started: 9/15/20	Date Completed: 9/15/20	Sampler ID/OD: -----
Rig Type/Model: Powerprobe 9600T	Logged By: J. Rawcliffe	Checked By: ICD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1		0.4			^	0-1.8 Dark brown to very dark brown fine to coarse sand and gravel.		0-0.5 1500
2	0-4	2.4/4.0	3.9			"	0.8-1.8 Has a dark oily sheen and odor.		1-1.5 1504
3			0.3			^	1.8- Bottom Browns to yellow brown fine to coarse sand and gravel with some silt.		2-2.5 1508
4									
5	MC-2	3.3	0.2			x	4-6.5 Brown sand & gravel.		4.5-5 1515
6	4-8	4.0	0.2						6-6.5 1520
7						^	6.5-8 Reddish brown silty clay/silt with a little fine sand true (M)		7-7.5 1525
8			0.2			x			
9	MC-3	0.5	0.2				slightly reddish gray Till		8-8.5 1540
10	8-8.5	0.5							
11							Bottom of boring = 8.5' BGS		
12							Refused on Till.		

NOTES:

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-520
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 15.5	Total Depth: 15.5 BGS	Bore Hole ID/OD:
Weather: Clear 50-55°F, calm	Soil Drilled: 15.5	Method: Direct Push	Casing Size:
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level: D	Sampler: Macrolog (4")
Driller: Jared Barnes	Date Started: 9/10/20	Date Completed: 9/16/20	Sampler ID/OD: -----
Rig Type/Model: Powerpole 9600T	Logged By: J. Rawcliffe	Checked By: ICD 02/02/21	
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1 0-4	2.0 4.0		0.1	x		Top 0.5' Brown sand and gravel (mostly sand).		0-0.5 0830 ms/msD
2				0.4	x		0.5-1.3 Dark gray to very dark brown/black sand with silt and organics and a trace of gravel		1-1.5 0835
3				0.4	x		1.3- Bottom brown gravel with sand and a trace of silt		2-2.5 0840
4									
5	MC-2 4-8	2.2 4.0		0.2	x		Brown sand and gravel with a little to trace silt.		5-5.5 0850
6				0.1	x				6.5-7 0855
7	x	x			x		x	x	x
8									
9	MC-3 8-12	1.5 4.0		0.1	x		Top 0.9 Brown sand with silt layer Brown gravel with some sand		Bottom 1' of sample Rollout
10							Collect sample from just below silt layer (5mm thick)		8.5-9 0900
11									
12									
13	MC-4 12-15.5	3.5 3.5		0	x		12-14 Brown fine to coarse sand.		14.0-14.5 0915
14				0	x		14-15 Brown to yellow brown silt w fine fine sand.		
15							15-15.5 Gray till		15-15.5 0920
							Refused at 15.5' BGS		

NOTES: Located in Neal Creek ~ 20' downstream from powerpole on N bank

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-521
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 11.5	Total Depth:	11.5
Weather: Clear 50-55°F calm	Soil Drilled: 11.5	Method:	Direct Push
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level:	D
Driller: Daniel Baines	Date Started: 9/16/20	Date Completed:	9/16/20
Rig Type/Model: Powerpush 9600 T	Logged By: J. Rawcliffe	Checked By:	ICD 02/02/21
Reference Elevation: -----	Water Level: -----	Time:	-----

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1 0-4	2.2 4.0		0.1	X		0-1.1 Very dark brown to dark gray fine to coarse sand and gravel with silt and organics wood from 0.6-1.1 1.1- Bottom Brown sand and gravel with a trace of silt		0-0.5 0940
2				0.1	X				1-1.5 0945
3				0.2	X				2-2.5 0947
4									
5	MC-2 4-8	2.0 4.0		0.1	X		Brown to yellowish brown sand and gravel.		4.5-5 0950 DUP
6									
7				0.1	X				6.5-7 0955
8									
9	MC-3 8-11.5	2.5 3.5		0.1	X		8-10.5 Brown sand and gravel. 10.5-11.5 Brown to yellow brown rock fragments with possible till in between fragments. (sandy till).		9-9.5 1010
10									
11				0.3	X				11-11.5 1015
12							Refusal at 11.5' on rock. Rock fragments and possible till in top.		
13									
14									
15									
16									

NOTES: located ~ 100' upstream from power pole on N bank of Nail creek
~ 150' from outfall. Fallen trees, live trees and snagged debris blocking
further access up stream.

Honeywell

SOIL BORING LOG

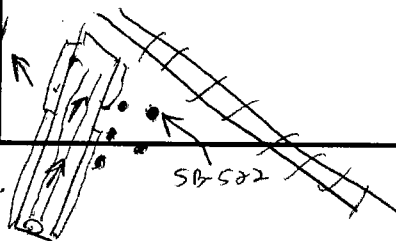
wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-522
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	2
Boring Location: Section A	Refusal Depth:	Total Depth:	Bore Hole ID/OD: 2 1/4"
Weather: Sunny, 65°F, calm	Soil Drilled:	Method: Direct Push	Casing Size: 2 1/4" OD
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level: D	Sampler: MacroCone (Y)
Driller: Jared Eaves	Date Started: 9/16/20	Date Completed:	Sampler ID/OD: -----
Rig Type/Model: Power Probe 9600 T	Logged By: J. Rawchtle	Checked By: ICD 02/02/21	Acetate sleeve 1 5/8" ID
Reference Elevation: -----	Water Level: -----	Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1						0-0.6 Dark brown topsoil fill, 0.6 to Bottom Brown to yellow brown fine to coarse sand and gravel. Possible fill		
2	0-4	3.0/4.0							
3									
4			0.2		x				3-4 1300
5	MC-2						4-5 Brown sand and gravel 5- Bottom Brown to yellow brown fine to coarse sand and gravel. Becomes wet at ≈ 5.5'		
6	4-8	3.0/4.0	0.2	x					4-5 1305 (just above WT)
7			0.3	x					5-6 1310 just below water table.
8									
9	MC-3						8-9.5 Brown to dark brown fine to coarse sand with a little gravel. 9.5 to Bottom Brown sand and gravel with a trace of silt		
10	8-12	3.7/4.0	0.2	x					9-10 1315 sample at interface
11									
12									
13	MC-4						Brown sand and gravel,		
14	12-16	2.2/4.0	0.1	x					13-13.5 1335
15									
16									

NOTES: Boring located nearest R.R. tracks.



Honeywell

wood.

511 Congress Street, Portland Maine 04101

Boring ID: SB-522

Page No.	2
----------	---

of: 2

Bore Hole ID/OD: 2 1/4"

Casing Size: 2 1/4" OD

Sampler: MacroCore 4'

Sampler ID/OD: -----

Acetate spoon 1 5/8" TT

Time: -----

[illegible]

NOTES: See Angel.

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name: Old Chenango Canal

Boring ID: SB-523

Project Location: Utica, NY

Page No. 1

Project No.: 3616206115.310001.31 Client: Honeywell

of: 1

Boring Location:

Refusal Depth: N/A

Total Depth: 20'

Bore Hole ID/OD:

Weather: Cloudy, 60°F, calm to light breeze

Soil Drilled: 20'

Method: Direct Push

Casing Size:

Subcontractor: Parrot Wolff Inc.

P.I.D (eV):

Protection Level: D

Sampler:

Driller: Taren Bawes

Date Started: 9/17/20

Date Completed: 9/17/20

Sampler ID/OD: -----

Rig Type/Model: Geopline 7822DT

Logged By: J. Rawcliffe

Checked By: ICD 02/02/21

Reference Elevation: -----

Water Level: -----

Time: -----

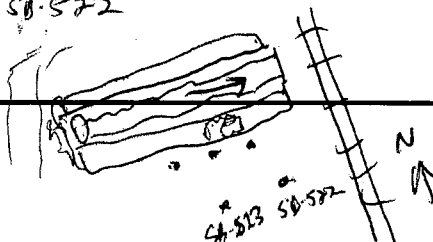
Sample Information

Monitoring

Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
0.0	MC-1 0-4	3.3/ 4.0					0-0.4 Dark brown heavy top soil 0.4-Bottom Brown fine to coarse sand and gravel.		
					x				3-4 0850
5	MC-2 4-8	3.5/ 4.0			x		Brown to slight olive brown fine to coarse sand and gravel with a little silt. Became wet at ± 5' BGS		4-5 0855 5-6 0900
					x				7-8 0403
10	MC-3 8-12	2.5/ 4.0			x		Top 9-10' Gravelly sand. 10-Bottom Brown sand and gravel with a little to more of silt		10-11 0910
	MC-4 12-16	1.8/ 4.0			x		Brown sand and gravel to gravelly sand.		13-14 0915
15									
	MC-5 16-20	3.8/ 4.0			x		16-18.5 Brown gravel and sand 18.5-20 Brown medium sand with fine to coarse sand and a little to more gravel and a true silt.		17.5-18.5 0920 19-20 0925
20					x				

NOTES: Location ≈ 30' West of SB-522

Honeywell



SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-524
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: NA	Total Depth:	20
Weather:	Soil Drilled: 20	Method:	Direct Push
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level:	D
Driller: Caspary 78220T	Date Started: 9/17/20	Date Completed:	
Rig Type/Model: Trench Borer	Logged By: J. R. Ruffolo	Checked By:	ICD 02/02/21
Reference Elevation: -----	Water Level: -----	Time:	-----

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
	MC-1 0-4	2.7 4.0					0-1' Very dark brown loamy topsoil fill, 1- Bottom Brown sand and gravel with a trace of silt Becomes wet at ~3-3.5' BGS.		
5	MC-2 4-8	3.1 4.0			x		4-5.3 Brown to dark brown fine to medium sand with a little coarse sand and gravel 5.3- Bottom Brown to yellow brown sand and gravel with a little silt.	3-4 0940 4-5 0945 5-6 0950	
10	MC-3 8-12	3.0 4.0			x		Brown sandy gravel becomes slightly yellow brown with a trace of silt in bottom foot of sample		11-12 1000
	MC-4 12-16	3.1 4.0			x		Brown to dark brown sand with some gravel.		13-14 1005
15	MC-5 16-	3.0 4.0			x		Brown sandy gravel.		18-19 1020
20									

NOTES:

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-525
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: NA	Total Depth:	20'
Weather: Cloudy, 60-65°F, calm	Soil Drilled:	Method:	Direct Push
Subcontractor: Parra Wolf Inc.	P.I.D (eV):	Protection Level:	D
Driller: Jared Davis	Date Started: 9/17/20	Date Completed:	9/17/20
Rig Type/Model: Geoprobe 7822-DT	Logged By: J. Ravello	Checked By:	ICD 02/02/21
Reference Elevation:	Water Level:	Time:	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
	MC-1 0-4	2.2 4.0					0-1.3 ^{Very} Dark brown sandy loamy topsoil F.U. 1.3-Bottom ^{Very} Dark brown fine to coarse sand and gravel with some silt, dense (F.U.).		
5	MC-2 4-8	2.8 4.0			X X X		Top 1' Brown to dark brown sand and gravel with a little silt. Wet Bottom 1/2' Brown sand and gravel with a trace of silt	(3-4) 1040 (3-4) 1040 4-5 1045 5-6 1047	
10	MC-3 8-12	2.2 4.0			X		Brown sandy gravel.		9-10 1050
15	MC-4 12-16	3.7 4.0			X		Brown to grayish brown sandy gravel.		13-14 1100
20	MC-5 16-20	3.3 4.0			X X		16-19 Brown fine to medium sand with a little to fines coarse sand and gravel with a trace of silt. Coarser layer (217.5-18) 19-20 fine to brown fine to medium sand with silt and silt lenses.		17.5-18.5 1110 17.5-20 1115

NOTES: lowest boring in Section A near low point with rip rap opening to stream.

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-526
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: NA	Total Depth:	20
Weather: Cloudy 60-65°F calm	Soil Drilled:	20'	Method: Direct Push
Subcontractor: Parrat Wolff Inc.	P.I.D (eV):	Protection Level:	D
Driller: Javed Baves	Date Started:	9/17/20	Date Completed:
Rig Type/Model: Geoprobe 7822 DT	Logged By: J. Rawel/H	Checked By:	ICD 02/02/21
Reference Elevation:	Water Level:	Time:	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
	MC-1 0-4	2.7/ 4.0					0-0.8' Dark brown to honey dark brown sandy loam (top soil fill). 0.8'-bottom Brown to reddish brown fine to coarse sand and gravel. (Fill?).		
5	MC-2 4-8	3.0/ 4.0			X X		Top 1.5' Brown to dark brown fine to coarse sand and gravel. Becomes wet at 2.5'. Broken rock from 2.6-6.8' BGS Bottom 0.9' Brown to dark brown fine to medium sand with a little silt fines coarse sand and gravel wet.		2.3-4 1125 4-5 1130 Rock 6-7 1138
10	MC-3 8-12	2.6/ 4.0			X X		Yellowish brown to brown fine to coarse sand and gravel with a fine silt. Wet with fine grained sandy layers 2.9-10' and at bottom of sampler		8.5-9.5 1145 10-11 1148
15	MC-4 12-16	1.5/ 4.0			X		Brown sandy gravel		13-14 1155
	MC-5 16-20	2.0/ 4.0			X		Brown sandy gravel with a trace of silt.		17-18 1200
20							Bottom of Boring 20'. No refusal.		

NOTES:

Honeywell

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115LOCATION ID:
SEGMENT E-1

SAMPLER NAME/SIGNATURE:

Jerry Rucinski / Jerry Rucinski

DATE: 9/17/20

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB527	9/17/20	1430	0-1	Fill

DESCRIPTION: 1430 (15)
Brown to dark brown fine to coarse sand and gravel with fine organic material (Topsoil).

COMMENTS: 0-0.4 heavy topsoil fill.

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB527	9/17/20	1435	1-2	Fill

DESCRIPTION: Brown fine to coarse sand and gravel with some silt (Fill)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB527	9/17/20	1437	2-3	Fill

DESCRIPTION: Brown to very dark brown fine to coarse sand and gravel with some silt and old waste material (ash, brick, fabric).

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:



DEVIATIONS FROM THE WORK PLAN: Using Geopulse to drill hard layer location.

SOIL SAMPLE FIELD DATA RECORD

wood.

511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal

PROJECT NUMBER:
3616206115

LOCATION ID:
SB-528

SAMPLER NAME/SIGNATURE:
Terry Rawitts

DATE:
9/17/20

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB528	9/17/20	1445	0-1	

DESCRIPTION: Brown to dark brown topsoil fill gravel to brown fine to coarse sand and gravel with trace silt - (fill)

COMMENTS: Drilled 4' with Geoprobe recovered 3.8'

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB528	9/17/20	1450	1-2	

DESCRIPTION: Brown fine to coarse sand and gravel with a trace silt (fill)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB528	9/17/20	1453	3-4	

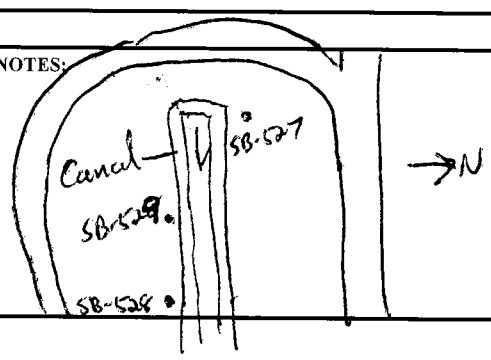
DESCRIPTION: Very dark brown sandy fill material with coal and ash.

COMMENTS: Overlies grey clay silt material with iron stained verticle fissures and decayed root channels, organics.

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:  DEVIATIONS FROM THE WORK PLAN: Used Aired push to sample proposed hand auger locations.

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-529
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 12'	Total Depth:	12'
Weather: Cloudy, Showers, 60°F	Soil Drilled: 12'	Method:	Direct Push
Subcontractor: Parlat Wolff Inc.	P.I.D (eV):	Protection Level:	D
Driller: Tarek Guees	Date Started: 9/17/20	Date Completed:	9/17/20
Rig Type/Model: Geoprobe	Logged By: J Ravelle	Checked By:	ICD 02/02/21
Reference Elevation: -----	Water Level: -----	Time:	-----

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1 0-4	3.2 4.0			X		0-0.7 Brown to dark brown silty sandy topsoil ftl.		Angle Boring ≈ 15° from vertical 0-1 1505 1-2 1510 2-3 1515
2					X		0.7-1.7 Brown fine to coarse sand and gravel with silt and sand ash/waste layer at 2.15		
3					X		1.7-2.8 Clay silt weathered clay		
4							2.8- Bottom Yellowish brown to olive clay silt with some sand and gravel		
5	MC-2 4-8	1.5 4.0					Brown to olive brown to yellow brown fine to coarse sand and gravel with some silt. wet.		6-7 1520
6									
7									
8									
9	MC-3 8-12	2.9 4.0					Top 1.5 Brown to olive brown fine to coarse sand and gravel. 1.5-2 Gray fine to coarse sand and gravel with silt 2-Bottom Slight reddish brown Till.		10-11 1525
10									
11									
12									
13							Bottom of boring 12' Refusal in Till		
14									
15									

NOTES:

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name: Old Chenango Canal

Boring ID: SB-530

Project Location: Utica, NY

Page No. 1

Project No.: 3616206115.310001.31 Client: Honeywell

of:

Boring Location:

Refusal Depth:

Total Depth:

Bore Hole ID/OD:

Weather:

Soil Drilled:

Method:

Casing Size:

Subcontractor: Parrat Wolff Inc.

P.I.D (eV):

Protection Level: D

Sampler:

Driller:

Date Started: 9/17/20

Date Completed:

Sampler ID/OD: -----

Rig Type/Model: -----

Logged By: S. Kunkle

Checked By: ICD 02/02/21

Reference Elevation: -----

Water Level: -----

Time: -----

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1	3.1			K		0-0.6 Brown to dark brown topsoil.		Angle boring
2	0-4	4.0			K		0.6-1.6 Brown fine to coarse sand and gravel with a little silt.		A = 20°
3					K		1.6 to Bottom Gray to dark gray fine to coarse sand and gravel in a silt/clay matrix. Seems like till but appears to have brick and other waste material (Rowan Hill?)		0-1 1535
4									1-2 1538
5	MC-2	3.8	3.9		K		4-5 Brown to very dark brown sandy fill material with coal and ash.		2-3 1540
6	4-8	4.0			(K)		5-6.2 Gray to olive clay/silt slightly mottled.		4-5 1545
7			10.5				6.2-7 Grayish brown fine sandy silt.		organic odor.
8			3.5				7-8 Brown to yellow brown fine coarse sand and gravel with some silt.		5.5-6 1550
9	8-12	2.6					Top 1.5 Brown sand and gravel with fines silt.		(at interface)
10	MC-3	4.0	9.5				1.5 to Bottom Gravel with some sand and fines silt wet with sheen and odor.		10-11 1600
11			4.0						Organic degraded Rpt odor and sheen on soils
12									
13	MC-4	3.9	27 ppm				12-13 Grayish brown gravel similar to above with sheen and odor.		
14	12-16	4.0					higher reddish brown Till.		13.5-14 1620
15									
16							Bottom of boring 16' BGS. Refusal in Till.		15.5-16 1610

NOTES:

Honeywell

SOIL BORING LOG

wood.

511 Congress Street, Portland Maine 04101

Project Name:	Old Chenango Canal	Boring ID:	SB-531
Project Location:	Utica, NY	Page No.	1
Project No.: 3616206115.310001.31	Client: Honeywell	of:	1
Boring Location:	Refusal Depth: 14.5	Total Depth:	14.5
Weather: Sunny, cool, breezy.	Soil Drilled: 14.5	Method:	Direct Push
Subcontractor: Parrot Wolff Inc.	P.I.D (eV):	Protection Level:	D
Driller: Janel Gaves	Date Started: 9/18/20	Date Completed:	9/18/20
Rig Type/Model: Geoprobe 2822DT	Logged By: J. Ravelle	Checked By:	ICD 02/02/21
Reference Elevation:	Water Level:	Time:	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1	3.7		0.3	X		0-1.5 Brown fine to coarse sand and gravel with some silt.		X boring 20°
2	0-4	4.0		0.3	X		1.5-Bottom Brown to olive brown fine to coarse sand with silt and gravel. Mottled at bottom of sample.		0-1 0805 1-2 0807
3									
4				0.2	X				3-4 0810
5	MC-2	3.1		1.0	X		4-6 Olive brown grading to dark gray clay/silt with little gravel.		5-6 0815
6	4-8	4.0					6-8 Olive gray to brown silty fine to coarse sand and gravel. Wet at bottom 1' of sample. More gravel at very bottom.		No odors detected 6-5-7 0818
7				0.7	X				
8									
9	MC-3	2.6					Top 1.3 Brown sand and gravel with some silt. Wet, loose.		
10	8-12	4.0					Bottom 1.3		
11				0.5	X		Gray to dark gray sand and gravel with some silt. Wet, loose.		10-11 0825
12									
13	MC-4	2.2					Top 0.5 Gray dense silty sand and gravel		
14	12-14	2.5		0.4	X		0.5-Bottom light reddish brown silt matrix with gravel and fine to coarse sand (Till).		13-14 0840
15	14.5						Refusal at 14.5' in Till.		

NOTES:

Honeywell

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115

LOCATION ID:

SEGMENT - E1 SB-532

SAMPLER NAME/SIGNATURE:

Jenny Russell

DATE:

9/18/20

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB532	9/18/20	0855	0-1	
DESCRIPTION: Brown fine sand and gravel with some to a little silt branch fragments (Pellucida)				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB-533	9/18/20	0858	1-2	
DESCRIPTION: As above				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB532	9/18/20	0900	2-3 (2-25)	
DESCRIPTION: As above				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				
NOTES:				
DEVIATIONS FROM THE WORK PLAN: Used Direct Push drill so complete proposed hand auger location.				

wood.

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB533	9/18/20	0910	0-1	
DESCRIPTION: Brown to light brown fine to coarse sand and gravel with a little silt (Zell)				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB533	9/18/20	0915	1-2	
DESCRIPTION: As above				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SB533	9/18/20	0935	2-3	
DESCRIPTION: As above with some glass and ceramic fragments				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				
NOTES: Drilled to 4'- MC-1 0-4 3.0/4.0		DEVIATIONS FROM THE WORK PLAN: Use direct push rig to complete hand auger location.		

SOIL BORING LOG

wood. 511 Congress Street, Portland Maine 04101		Project Name: Old Chenango Canal		Boring ID: SB-534	
		Project Location: Utica, NY		Page No. 1	
Boring Location:		Project No.: 3616206115.310001.31 Client: Honeywell		of: 1	
Weather: Sunny 55°F light breeze		Refusal Depth: 14.5 Total Depth: 14.5		Bore Hole ID/OD:	
Subcontractor: Parrot Wolff Inc.		Soil Drilled: 14.5 Method: Direct Push		Casing Size:	
Driller: Jared Barnes		P.I.D (eV): Protection Level: D		Sampler:	
Rig Type/Model: Geoprobe 7822DT		Date Started: 9/18/20 Date Completed: 9/18/20		Sampler ID/OD: -----	
Reference Elevation: -----		Logged By: J. Remick		Checked By: ICD 02/02/21	
		Water Level: -----		Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1	2.8			X		Brown to dark brown fine to coarse sand and gravel with trace silt. Full with fragments of coal and asphalt.	* Boring in hand auger between 0-1 0940 1-2 0945 2-3 0955	
2	0-4	4.0			X				
3					X				
4									
5	MC-2	2.8					Brown to dark brown fine to coarse sand and gravel with some silt. Ash, clinker, and brick fragments to ~6'. then becomes siltier and very moist to wet, mottled.	6-7 1000	
6	4-8	4.0			X				
7									
8									
9	MC-3	1.4					Top 1' Brown sand and gravel with a little silt, wet. Bottom 0.4 Dark reddish brown (purple) sand and gravel with trace silt	9-10 1005	
10	8-12	4.0			X				
11									
12									
13	MC-4	1.7					Top 0.5 Dark reddish brown sand and gravel with a little silt. Wet. Bottom 1.2 Dark reddish brown fine to coarse sand and gravel in a clay/silt matrix. Tuff. Dense, slightly moist. Refusal at 14.5' in Tuff	13-14 1015	
14	12-14.5	2.5			X				
15									
16									

NOTES:

Honeywell

SOIL BORING LOG

wood. 511 Congress Street, Portland Maine 04101		Project Name: Old Chenango Canal		Boring ID: SB-535	
		Project Location: Utica, NY		Page No. 1	
Boring Location:		Refusal Depth: 15.5		Total Depth: 15.5	
Weather: Sunny, 60-65°F, light breeze		Soil Drilled: 15.5		Method: Direct Push	
Subcontractor: Parrot Wolff Inc.		P.I.D (eV):		Protection Level: D	
Driller: Jared Barnes		Date Started: 9/18/20		Date Completed: 9/18/20	
Rig Type/Model: Geoprobe 7822DT		Logged By: J. Rancitelli		Checked By: ICD 02/02/21	
Reference Elevation: -----		Water Level: -----		Time: -----	

Sample Information			Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	PID Field Scan	PID Headspace	Lab Tests Performed	Lab Sample ID			
0.0									
1	MC-1	2.6		0	X		Top 0.5 Dark brown silty fine to coarse sand with some gravel, roots. Long refusal 0.5 to bottom. Brown to dark brown fine to coarse sand and gravel with some silt. Coal, brick ash (P.I.I.).		4 Boring in HA Location 0-1 1025 1-2 1030 2-3 1033
2	0-4	4.0		0	X				
3				0	X				
4									
5	MC-2	0.5					Light gray broken up cobble/gravel. Dry No sample.		
6	4-8	4.0							
7									
8									
9	MC-3	3.6		0	X		Top 1' Dark olive gray to dark olive silt and clay with trace sand. 9' - Bottom sand and gravel with some silt. Becomes wet at 2 ft. 9-10' (P.I.I.)		8-9 1040 11-12 1045
10	8-12	4.0							
11				0	X				
12									
13	MC-4	2.6					12-13 Dark gray fine to coarse sand and gravel with a little silt 13-15.5 Gray to dark gray Till (fact coarse sand and gravel in a clay/silt matrix). Refusal at 15.5' in Till.		13-14 1100 Very dense
14	12-15.5	3.5		0	X				
15									
16									

NOTES:

Honeywell

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115

LOCATION ID: SS500

SAMPLER NAME/SIGNATURE:
Steve Colquhoun

DATE: 09/14/20

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS500 010	09/14/20	09:50	0-1	

DESCRIPTION: Moist, dark gray silt, gravel, some organics (root material), no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS500 120	09/14/20	10:39	1-2	

DESCRIPTION: Moist, gray brown, silt with some gravel, some organics (root material), no odor

COMMENTS: Refusal at 2 ft BGS (below ground surface)

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalLOCATION ID:
SS501DATE:
09/14/20PROJECT NUMBER:
3616206115SAMPLER NAME/SIGNATURE:
Steve ColquhounCHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS501010	09/14/20	10:54	0-1	

DESCRIPTION: Moist, grayish brown, clayey silt, some gravel, organics (root material), no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS501120	09/14/20	11:25	1-2	

DESCRIPTION: Moist, grayish brown, clayey silt, some gravel, some organics (root material), no odor

COMMENTS: Refusal at 2 ft BGS

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS502

DATE:

09/14/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

Steve Colquhoun

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS502 010	09/14/20	11:41	0-1	

DESCRIPTION: Moist, grayish brown, fine silt, some gravel, some organics (root material),
no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS502 118	09/14/20	11:51	1-1.8	

DESCRIPTION: Moist, grayish brown, ~~orange~~ orange mottling, loose, silt, some gravel,
some organics (root material), no odor

COMMENTS: Refusal at 1.8 ft BGS

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS503

DATE:

09/14/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

Steve Colquhoun

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS503 010	09/14/20	13:02	0 - 1	
DESCRIPTION: Grayish brown, loose, dry, some gravel, silt, some organics (root material), no odor, trace fine sand				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS503120	09/14/20	13:20	1 - 2	
DESCRIPTION: Grayish brown, dry, loose, silt, some gravel, trace fine sand, trace organics (root material), no odor				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS503 222	09/14/20	13:29	2 - 2.2	
DESCRIPTION: Same as above				
COMMENTS: Refusal at 2.2 ft				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS504

DATE:

09/14/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

Steve Colquhoun

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID

DATE

TIME

DEPTH Interval(ft)

USCS

SS504010

09/14/20

13:37

0-1

DESCRIPTION:

grayish brown, dry, loose, silt, some gravel, some organics (root material),
trace fine sand, no odor

COMMENTS:

SAMPLE ID

DATE

TIME

DEPTH Interval(ft)

USCS

SS504115

09/14/20

14:03

1-1.5

DESCRIPTION:

Same as above

COMMENTS:

Refusal at 1.5 ft BGS

SAMPLE ID

DATE

TIME

DEPTH Interval(ft)

USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID

DATE

TIME

DEPTH Interval(ft)

USCS

DESCRIPTION:

COMMENTS:

NOTES:

3 attempts at SS504,
refusal at 0.5-1.0 ft BGS

DEVIATIONS FROM THE WORK PLAN:

~~Impermeable~~
Impermeable gravel and cobble

SOIL SAMPLE FIELD DATA RECORD

wood.

511 Congress Street,
Portland Maine 04101

PROJECT NAME: Honeywell Old Chenango Canal		LOCATION ID: SS505	DATE: 09/14/20
PROJECT NUMBER: 3616206115		SAMPLER NAME/SIGNATURE: Steve Colquhoun	CHECKED BY/DATE: ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS505010	09/14/20	14:22	0-1	

DESCRIPTION: Grayish brown, dry, loose, silt, some gravel, some organics (root material), no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS505120	09/14/20	14:42	1-2	

DESCRIPTION: Grayish brown, dry, loose, silt, some gravel, some organics (root material), no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS505223	09/14/20	14:51	2-2.3	

DESCRIPTION: Same as Above, Moist, Grayish brown, loose, silt, some gravel, trace organics (root material), no odor

COMMENTS: Refusal at 2.3 ft BGS

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.

511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS506

DATE:

09/14/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

Steve Colquhoun

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS506010	09/14/20	15:25	0-1	

DESCRIPTION: Grayish brown, dry, loose, silt, some gravel, trace sand, trace organics (root material), no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS506115	09/14/20	15:45	1-1.5	

DESCRIPTION: Grayish brown, dry, loose, silt, some gravel, trace sand, trace organics (root material), no odor

COMMENTS: Refusal at 1.5 ft BGS

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:	DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS507

DATE:

09/15/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

Steve Colquhoun

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS507010	09/15/20	08:27	0-1	

DESCRIPTION: Grayish brown, dry, loose, silt, some gravel, trace fine sand, trace organics (root material), no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS507119	09/15/20	08:43	1-1.9	

DESCRIPTION: Same as above

COMMENTS: Refusal at 1.9 ft BGS

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:	DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS508

DATE:

09/15/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS508010	09/15/20	08:55	0-1	

DESCRIPTION: Grayish brown, silt and gravel, some organics (root material), dry, loose, no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS508100	09/15/20			

DESCRIPTION:

COMMENTS: Refusal at depths < 1.0 ft, 3 attempts ~~SE~~

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES: Refusal at 1.0 ft and 2 attempts < 1.0 ft due to fill material	DEVIATIONS FROM THE WORK PLAN:
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SOIL SAMPLE FIELD DATA RECORD

wood.

511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal

PROJECT NUMBER:
3616206115

LOCATION ID:
SS509

SAMPLER NAME/SIGNATURE:
Steve Colquhoun

DATE:
09/15/20

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS509010	09/15/20	09:38	0-1	

DESCRIPTION: Grayish brown, dry, loose, silt, some gravel, some organics (root material),
no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS509117	09/15/20	10:04	1-1.7	

DESCRIPTION: Grayish brown, dry, loose, silt and gravel, some organics (root material),
no odor

COMMENTS: Refusal at 1.7 ft BGS, large cobbles encountered

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD



511 Congress Street,
Portland Maine 04101

PROJECT NAME: Honeywell Old Chenango Canal	LOCATION ID: SSS-10	DATE: 09/15/20
PROJECT NUMBER: 3616206115	SAMPLER NAME/SIGNATURE: Steve Colquhoun	CHECKED BY/DATE: ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SSS-10 SSS10010	09/15/20	14:57	0-1	
DESCRIPTION: Greyish brown, dry, loose, silt, some gravel, some organics (root material), no odor				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SSS110118	09/15/20	15:03	1-1.8	
DESCRIPTION: Dark gray, dry, loose, silt, some gravel, some organics (root material), no odor				
COMMENTS: Refusal at 1.8 ft BGS				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:	DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME: Honeywell Old Chenango Canal		LOCATION ID: SS511	DATE: 09/15/20
PROJECT NUMBER: 3616206115		SAMPLER NAME/SIGNATURE: Steve Gohman	CHECKED BY/DATE: ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS511010	09/15/20	10:42	0-1	

DESCRIPTION: Dark grayish brown, silt, dry, loose, silt and gravel, some organics (root material), brick-like debris, no odor

COMMENTS: Construction debris and large cobbles encountered

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS511117	09/15/20	11:00	1-1.7	

DESCRIPTION: Dark grayish brown, dry, loose, silt and gravel, some organics (root material), no odor

COMMENTS: Refusal at 1.7 ft BGS, Field duplicate location/sample

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:	DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS512

DATE:

09/15/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

Steve Colquhoun

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS512010	09/15/20	11:29	0-1	

DESCRIPTION: Grayish brown, dry, loose, silt and gravel, some organics (root material),
no odor

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS512113	09/15/20	11:50	1-1.3	

DESCRIPTION: Grayish brown, dry, loose, silt and gravel, some organics (root material),
no odor

COMMENTS:

Refusal at +31.3 ft BGS

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS513

DATE:

09/15/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

Steve Colychoun

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS513010	09/15/20	13:08	0-1	

DESCRIPTION: Grayish Dark grayish brown, moist, loose, silt, trace gravel, trace organics (root material), no odor, black coal like substance

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS513120	09/15/20	13:23	1-2	

DESCRIPTION: Gray and brown, moist, dense, silt, trace clay, trace fine sand, some gravel, no odor, trace organics, clayey silt

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS513230	09/15/20	13:37	2-3	

DESCRIPTION: Brown and gray, moist, dense, clay, some fine sand, trace silt

COMMENTS: Archive sample

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.

511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal
PROJECT NUMBER:
3616206115

LOCATION ID:
SS514
SAMPLER NAME/SIGNATURE:
Steve Colquhoun

DATE:
09/15/20
CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS514 010	09/15/20	14:08	0-1	
DESCRIPTION: Dark gray, dry, loose, silt, some gravel, trace organics (root material), no odor				
COMMENTS: 2 attempts, First attempt - Refusal at 0.5 ft BGS				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS514 117	09/15/20	14:25	1-1.7	
DESCRIPTION: Dark gray and brown, dry, loose, silt, some gravel, some organics (root material), no odor				
COMMENTS: Refusal at 1.7 ft BGS				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:	DEVIATIONS FROM THE WORK PLAN:



511 Congress Street,
Portland Maine 04101

SOIL SAMPLE FIELD DATA RECORD

PROJECT NAME:
Honeywell Old Chenango Canal

LOCATION ID:
SS515

DATE:
09/15/20

PROJECT NUMBER:
3616206115

SAMPLER NAME/SIGNATURE:
Steve Colquhoun

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS515010	09/15/20	15:20	0-1	
DESCRIPTION: Grayish brown, dry, loose, silt, some gravel, some organics (root material), no odor				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS515120	09/15/20	15:33	1-2	
DESCRIPTION: Grayish brown, dry, loose, silt, some gravel, trace organics (root material), no odor				
COMMENTS: Refusal at 2.0 ft BGS, MS and MD Sample				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				

COMMENTS:				
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SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				

COMMENTS:				
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NOTES:	DEVIATIONS FROM THE WORK PLAN:
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SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS516

DATE:

09/15/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

Steve Colquhoun

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS516000	09/15/20	14:35	0	

DESCRIPTION:

COMMENTS:

Sediment grab sample from west side of railroad culvert

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115LOCATION ID:
SS 517SAMPLER NAME/SIGNATURE:
JR

DATE: 9/16/20

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 517 010	9/16/20	8:54	0-1	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL WITH SOME ORGANICS

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
S				

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

3 ATTEMPTS.

REFUSAL (ROCK) AT 12 INCHES

BELOW GRADE ON FINAL ATTEMPT

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 518

DATE:

9/16/2020

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JR

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 518 010	9/16/2020	0915	0-1	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 518 115	9/16/2020	0939	1-1.5	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL WITH TRACE ORGANICS (ROOT MATERIAL) @

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL (ROCK) AT 18 INCHES
BELOW GRADE

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 519

DATE:

9/16/2020

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JR

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 519 010	9/16/2020	1008	0-1	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT WITH TRACE GRAVEL AND SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 519 120	9/16/2020	1023	1-2	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

ATTEMPTED THIRD INTERVAL
(2-3 FT BELOW GRADE) BUT
HIT REFUSAL (ROCK) AT 24
INCHES

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.

511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal

PROJECT NUMBER:
3616206115

LOCATION ID:
SS 520

SAMPLER NAME/SIGNATURE:
JR

DATE:
9/16/2020

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 520 010	9/16/2020	1046	0-1	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 12 INCHES
BELOW GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 521

DATE:

9/16/2020

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JR

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 521 010	9/16/2020	1130	0-1	

DESCRIPTION:

GRAYISH BROWN DRY LOOSE SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 12 INCHES BELOW
GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalLOCATION ID:
SS 522

DATE: 9/15/2020

PROJECT NUMBER:
3616206115SAMPLER NAME/SIGNATURE:
JRCHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 522010	9/16/2020	13:01	0-1	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL WITH SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 522115	9/16/2020	13:13	1-1.5	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL WITH TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 18 INCHES
BELOW GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalLOCATION ID:
SS 523DATE:
9/16/2020PROJECT NUMBER:
3616206115SAMPLER NAME/SIGNATURE:
JRCHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 523 010	9/16/2020	15:01	0-1	
DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 523 120	9/16/2020	1517	1-2	
DESCRIPTION: GRAYISH BROWN, MOIST, LOOSE, SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)				
COMMENTS: CONSTRUCTION DEBRIS				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 523 223	9/16/2020	15:29	2-2.3	
DESCRIPTION: GRAYISH BROWN, MOIST, LOOSE, SILT WITH SOME GRAVEL				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				
NOTES: REFUSAL AT 28 INCHES BELOW GRADE (Rock)				
DEVIATIONS FROM THE WORK PLAN:				

wood.511 Congress Street,
Portland Maine 04101**SOIL SAMPLE FIELD DATA RECORD**

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 524

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JR

DATE:

9/16/2020

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID

SS 524 010

DESCRIPTION:

DATE

9/16/2020

TIME

14:34

DEPTH Interval(ft)

0-1

USCS

COMMENTS:

GRAYISH BROWN DRY LOOSE SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)

SAMPLE ID

SS 524 113

DESCRIPTION:

DATE

9/16/2020

TIME

14:47

DEPTH Interval(ft)

1-1.3

USCS

COMMENTS:

GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)

SAMPLE ID

DESCRIPTION:

DATE

TIME

DEPTH Interval(ft)

USCS

COMMENTS:

SAMPLE ID

DESCRIPTION:

DATE

TIME

DEPTH Interval(ft)

USCS

COMMENTS:

NOTES:

REFUSAL AT 1.3 FEET
BELOW GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115

LOCATION ID:

SS 525
JR

DATE:

9/16/20
ICD 02/02/21

SAMPLE ID

SS 525 010

DATE

9/16/2020

TIME

1400

DEPTH Interval(ft)

0-1

USCS

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID

SS 525 120

DATE

9/16/2020

TIME

14:15

DEPTH Interval(ft)

1-2

USCS

DESCRIPTION:

GRAYISH BROWN, MOIST, LOOSE, SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID

DATE

TIME

DEPTH Interval(ft)

USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID

DATE

TIME

DEPTH Interval(ft)

USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 24 INCHES
BELOW GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango Canal
PROJECT NUMBER:
3616206115LOCATION ID:
SS 526
SAMPLER NAME/SIGNATURE:
JRDATE:
9/17/2020
CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 526 010	9/17/2020	0818	0-1	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

FIELD DUP COLLECTED

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 526 116	9/17/2020	0838	1-1.6	

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 1.6 FEET BELOW
GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115

LOCATION ID:

SS 527

SAMPLER NAME/SIGNATURE:

JR

DATE:

9/17/2020

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 527 010	9/17/2020	0848	0-1	

DESCRIPTION:

DARK GRAY AND GRAYISH BROWN, MOIST, DENSE, SANDY SILT WITH SOME GRAVEL AND SOME ORGANICS

COMMENTS:

(ROOT MATERIAL)

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 527 118	9/17/2020	0857	1-1.8	

DESCRIPTION:

BROWN WITH SOME DARK GRAY, MOIST, DENSE, SAND WITH SOME GRAVEL TRACE SILT AND
TRACE ORGNILLS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 1.8 FEET BELOW
GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115LOCATION ID:
SS 528SAMPLER NAME/SIGNATURE:
JRDATE:
9/17/2020CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 528 010	9/17/2020	0911	0-1	
DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)				
COMMENTS: MS AND MSD COLLECTED				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 528 115	9/17/2020	0925	1-1.5	
DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:

REFUSAL AT 1.5 FEET BELOW
GRADE (ROCK)3 ATTEMPTS. KEPT 2ND LOCATION

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115LOCATION ID:
SS 529SAMPLER NAME/SIGNATURE:
JRDATE:
9/17/2020CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 529 010	9/17/2020	0951	0-1	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 529 120	9/17/2020	1005	1-2	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH TRACE GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 24 INCHES
BELOW GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 530

DATE:

9/17/2020

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JR

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 530 010	9/17/2020	1019	0-1	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 530 115	9/17/2020	1028	1-1.5	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL WITH TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 18 INCHES
BELOW GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

wood.

CHECKED BY/DATE:
ICD 02/02/21

COMMENTS:

COMMENTS:

DESCRIPTION:

COMMENTS:

DESCRIPTION:

COMMENTS:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 532

DATE:

9/17/2020

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JR

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 532 010	9/17/2020	11:33	0-1	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL WITH TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 532 120	9/17/2020	11:50	1-2	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL, ~~TR~~ WITH TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 532 223	9/17/2020	1:15 PM	2-2.3	

DESCRIPTION: GRAY AND GRAYISH BROWN MOIST LOOSE WITH A FEW DENSE PARTICLES
SILT W/ TRACE GRAVEL AND TRACE ORGANICS

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 27 INCHES
BELOW GRADE (ROCK)

3 ATTEMPTS. KEPT 3RD LOCATION

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115LOCATION ID:
SS 533SAMPLER NAME/SIGNATURE:
JRDATE:
9/17/2020CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 533 010	9/17/2020	14:57	0-1	
DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 533 115	9/17/2020	15:09	1-1.5	
DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES: REFUSAL AT 19 INCHES BELOW GRADE (ROCK)	DEVIATIONS FROM THE WORK PLAN:
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SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 534

DATE:

9/17/2020

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JR

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 534 010	9/17/2020	1342	0-1	

DESCRIPTION: GRAYISH BROWN DRY LOOSE SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 534 110	9/17/2020	13:54	1-1.8	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE WITH 1 to 2 INCH DENSE PARTICLES SILT WITH SOME GRAVEL AND TRACE ORGANICS

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 20 INCHES
BELOW GRADE (ROCK)

TWO ATTEMPTS. USED 2ND ATTEMPT

DEVIATIONS FROM THE WORK PLAN:

wood.511 Congress Street,
Portland Maine 04101

SOIL SAMPLE FIELD DATA RECORD

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS S35

DATE:

9/17/2020

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JR

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID

SS S35 010

DATE

9/17/2020

TIME

14:29

DEPTH Interval(ft)

0-1

USCS

DESCRIPTION:

GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND TRAIL ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID

DATE

TIME

DEPTH Interval(ft)

USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID

DATE

TIME

DEPTH Interval(ft)

USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID

DATE

TIME

DEPTH Interval(ft)

USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 12 INCHES
BELOW GRADE (ROCK)3 ATTEMPTS, KEPT 3RD ATTEMPT
ATTEMPT 1: 9 INCHES
ATTEMPT 2: 11 INCHES

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango Canal
PROJECT NUMBER:
3616206115LOCATION ID:
SS 536
SAMPLER NAME/SIGNATURE:
JRDATE
9/17/2020
CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 536 010	9/17/2020	1523	0-1	
DESCRIPTION: GRAYISH BROWN, MOIST, DENSE, CLAYEY SILT WITH SOME ORGANICS (ROOT MATERIAL), TRACE GRAVEL AND TRACE FINE SAND COMMENTS:				
SS 536 120	9/17/2020	1535	1-2	
DESCRIPTION: GRAYISH BROWN, MOIST, DENSE, SANDY SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL) COMMENTS:				
DESCRIPTION: COMMENTS:				
DESCRIPTION: COMMENTS:				
DESCRIPTION: COMMENTS:				
NOTES: REFUSAL AT 24 INCHES BELOW GRADE (ROCK)				
DEVIATIONS FROM THE WORK PLAN:				

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS-537

DATE:

9/18/2020

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JR

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 537 010	9/18/2020	0924	0-1	
DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL WITH TRACE ORGANICS (ROOT MATERIAL)				
COMMENTS: FIELD DUP COLLECTED				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 537 120	9/18/2020	0952	1-2	
DESCRIPTION: GRAYISH BROWN, MOIST, DENSE, CLAYEY SILT WITH FINE SAND, SOME GRAVEL AND TRACE ORGANICS				
COMMENTS: ~4 INCH ROCK FOUND AT 12 INCHES BELOW GRADE				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 537 225	9/18/2020	0900	2-2.5	
DESCRIPTION: GRAYISH BROWN, WET, LOOSE, SILT AND GRAVEL WITH TRACE FINE SAND AND TRACE CLAY				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:

REFUSAL AT 30 INCHES
BELOW GRADE (ROCK)2 ATTEMPTS. KEPT 2ND ATTEMPT

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.

511 Congress Street,
Portland Maine 04101

PROJECT NAME: Honeywell Old Chenango Canal	LOCATION ID: SS 538	DATE: 9/18/2020
PROJECT NUMBER: 3616206115	SAMPLER NAME/SIGNATURE: JP	CHECKED BY/DATE: ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 538 010	9/18/2020	0931	0-1	

DESCRIPTION: GRAY, MOIST, LOOSE, GRAVEL WITH SILT, TRACE FINE SAND AND SOME ORGANICS

COMMENTS: MS AND MSD COLLECTED

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 538 117	9/18/2020	0949	1-1.7	

DESCRIPTION: GRAY, MOIST, LOOSE, GRAVEL SOME SILT, TRACE FINE SAND, TRACE ORGANICS

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES: REFUSAL AT 20 INCHES BELOW GRADE (ROCK)	DEVIATIONS FROM THE WORK PLAN:
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SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal

LOCATION ID: SS 539

DATE: 9/18/2020

PROJECT NUMBER:
3616206115

SAMPLER NAME/SIGNATURE:
JR

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 539 010	9/18/2020	1016	0-1	
DESCRIPTION: GRAY, MOIST, LOOSE, GRAVEL SOME MEDIUM SAND, SOME SILT, TRACE ORGANICS				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS539115	9/18/2020	10:30	1-1.5	
DESCRIPTION: GRAY, MOIST, LOOSE, GRAVEL WITH SOME SANDY SILT AND TRACE ORGANICS				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:

REFUSAL AT 18 INCHES BELOW
GRADE (ROCK)
3 ATTEMPTS. KEPT 3RD ATTEMPT
- ATTEMPT 1 AND 2 REFUSAL
AT 8 INCHES BELOW GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal
PROJECT NUMBER:
3616206115

LOCATION ID:
SS 540
SAMPLER NAME/SIGNATURE:
SR

DATE:
9/12/2020
CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 540 010	9/12/2020	11:00	0-1	

DESCRIPTION: GRAT, MOIST, LOOSE, SILT AND GRAVEL, SOME ORGANICS, TRACE FINE SAND

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 12 INCHES BELOW
GRADE (ROCK)
3 ATTEMPTS. KEPT 1ST ATTEMPT
ATTEMPTS 2 AND 3 REFUSAL
AT 11 INCHES BELOW GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal
PROJECT NUMBER:
3616206115

LOCATION ID: SS 541
SAMPLER NAME/SIGNATURE:
JR

DATE: 9/18/2020
CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 541 010	9/18/2020	1112	0-1	

DESCRIPTION: GRAYISH BROWN DRY LOOSE SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 541 120	9/18/2020	1119	1-2	

DESCRIPTION: ~~SAME AS~~ GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL, TRACE FINE SAND AND TRACE ORGANICS (ROOT MATERIAL)

COMMENTS: (CONSTRUCTION DEBRIS (ASPHALT) FOUND

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES: REFUSAL AT 24 INCHES BELOW GRADE (ROCK)	DEVIATIONS FROM THE WORK PLAN:
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SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal
PROJECT NUMBER:
3616206115

LOCATION ID: SS 542
SAMPLER NAME/SIGNATURE:
JRK JR

DATE: 9/18/2020
CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 542 010	9/18/2020	1133	0-1	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE SILT AND GRAVEL WITH TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 542 113	9/18/2020	1157	1-1.3	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE SILT WITH SOME GRAVEL AND TRACE ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 1.3 FT BELOW
GRADE (ROCK)
2 ATTEMPTS, KEPT 1ST ATTEMPT
2ND ATTEMPT REFUSAL AT 15
INCHES BELOW GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal
PROJECT NUMBER:
3616206115

LOCATION ID: SS 543
SAMPLER NAME/SIGNATURE:
JR

DATE: 9/18/2020
CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 543 007	9/18/2020	1324	0-0.7	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT AND GRAVEL WITH SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:
REFUSAL AT 0.7 FEET BELOW
GRADE (ROCK)

5 ATTEMPTS. KEPT 5TH ATTEMPT
ATTEMPT 1 8 INCHES TO REFUSAL
ATTEMPT 2 6 INCHES TO REFUSAL
ATTEMPT 3 3 INCHES TO REFUSAL

DEVIATIONS FROM THE WORK PLAN:

ATTEMPT 4 3 INCHES TO REFUSAL

SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal

LOCATION ID: SS 544

DATE: 9/18/2020

PROJECT NUMBER:
3616206115

SAMPLER NAME/SIGNATURE:
SR

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 544 010	9/18/2020	1342	0-1	
DESCRIPTION: GRAY, DRY, LOOSE, SILT AND GRAVEL WITH TRACE ORGANICS (ROOT MATERIAL)				
COMMENTS: FIELD DUP COLLECTED				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 544 115	9/18/2020	1359	1-1.5	
DESCRIPTION: GRAY, DRY, LOOSE, SILT AND GRAVEL WITH TRACE ORGANICS (ROOT MATERIAL)				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES: REFUSAL AT 1.5 FT BELOW GRADE (ROCK) 2 ATTEMPTS, KEPT 1 st ATTEMPT 2 nd ATTEMPT 2 REFUSAL AT 12 INCHES BELOW GRADE	DEVIATIONS FROM THE WORK PLAN:
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SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal

LOCATION ID: SS 545 010

DATE: 9/18/2020

PROJECT NUMBER:
3616206115

SAMPLER NAME/SIGNATURE:
JR

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 545 010	9/18/2020	1423	0-1	
DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 545 113	9/18/2020	1436	1-1.3	
DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES: REFUSAL AT 1.3 FT BELOW GRADE (ROCK) 3 ATTEMPTS. KEPT 3RD ATTEMPT ATTEMPTS 1 & 2 REFUSAL AT 8 INCHES BELOW GRADE (ROCK)	DEVIATIONS FROM THE WORK PLAN:
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SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal

LOCATION ID:
SS 546

DATE:
9/18/2020

PROJECT NUMBER:
3616206115

SAMPLER NAME/SIGNATURE:
JR

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 546 G10	9/18/2020	1451	0-1	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT SOME GRAVEL SOME ORGANICS (ROOT MATERIAL)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 546 120	9/18/2020	15:02	1-2	

DESCRIPTION: GRAYISH BROWN, DRY, LOOSE, SILT WITH SOME GRAVEL AND SOME ORGANICS (ROOT MATERIAL)

COMMENTS: MS AND MSD COLLECTED

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

REFUSAL AT 24 INCHES BELOW
GRADE (ROCK)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS-542

DATE:

09/18/2020

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

Ian C Desjarlais ICD

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS547010XX	9/18/2020	10:25	0-1	

DESCRIPTION: SILT, BROWN, DRY WITH GRAVELS AND POWDER GRADED SAND, TRACE ORGANICS

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS547118XX	9/18/20	10:47	1-1.8'	

DESCRIPTION: SAA

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

DEVIATIONS FROM THE WORK PLAN:

wood.

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS548010XX	9/18/20	11:15		
DESCRIPTION: SILT, BROWN, DRY, WITH GRAVELS AND POORLY GRADED SAND, TRACE ORGANIC)				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS548120XX	9/18/20	11:28		
DESCRIPTION: SAA				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				
NOTES:				
DEVIATIONS FROM THE WORK PLAN:				

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME: Honeywell Old Chenango Canal	LOCATION ID: SS549 / SS550	DATE: 09/18/2020
PROJECT NUMBER: 3616206115	SAMPLER NAME/SIGNATURE: Ian C Desjarlais ICD	CHECKED BY/DATE: ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS549010XX	9/18/20	12:10	0-1	
DESCRIPTION:	SAND; WELL-GRADED WITH SILTS; SATURATED, ANGULAR to SUB ANGULAR MEDIA SEDIMENTARY GRAVELS.			
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS550117XY	9/18/20	12:15	1-1.7'	
DESCRIPTION:	SANDY SILT; BROWNISH GRAY, SATURATED, SAND IS FINE-COARSE, SUBANGULAR META SEDIMENTARY ROCK ORIGIN;			
COMMENTS:				

SAMPLE ID		DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:					
COMMENTS:					

SAMPLE ID		DATE	TIME	DEPTH Interval(ft)	USCS	
DESCRIPTION:						
COMMENTS:						

NOTES:	DEVIATIONS FROM THE WORK PLAN:

wood.

CHECKED BY/DATE:
ICD 02/02/21.

[illegible]

SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME: Honeywell Old Chenango Canal	LOCATION ID: SS 552	DATE: 9/21/20
PROJECT NUMBER: 3616206115	SAMPLER NAME/SIGNATURE: JIM RYAN	CHECKED BY/DATE: ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 552 010 XX	9/21/20	9:14	0-1	
DESCRIPTION: Grayish-brown; dry; loose; some gravel and OM (roots); silt				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 552 120 XX	9/21/20	9:21	1-2	
DESCRIPTION: Grayish-brown; dry; loose; silt with some gravel with trace organics				
COMMENTS: glass fragments				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 552 230 XX	9/21/20	9:30	2-3	
DESCRIPTION: Light grayish-brown; dry; loose; silt with some gravel and trace organics				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES: Refusal at 36"	DEVIATIONS FROM THE WORK PLAN:
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SOIL SAMPLE FIELD DATA RECORD

wood.
511 Congress Street,
Portland Maine 04101

PROJECT NAME: Honeywell Old Chenango Canal	LOCATION ID: SS 553	DATE: 9/21/20
PROJECT NUMBER: 3616206115	SAMPLER NAME/SIGNATURE: JIM RYAN	CHECKED BY/DATE: ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 553 010 XX	9/21/20	9:47	0-1	
DESCRIPTION: Brown/Light Gray/Dark Gray; Dry; Loose; Silt with some gravel and some organics;				
COMMENTS: lightweight; some ash deposits; glass fragments				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 553 120 XX	9/21/20	9:56	1-2	
DESCRIPTION: Light gray/Dark Gray/Brown; Dry; Loose; lightweight; silt some gravel trace organics				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 553 230 XX	9/21/20	10:04	2-3	
DESCRIPTION: Light gray/Brown; Dry; Loose; silt with some gravel; lightweight				
COMMENTS: Glass fragments				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 553 340 XX	9/21/20	10:11	3-4	
DESCRIPTION: Gray/Dry; Loose; silt with some gravel; lightweight material				
COMMENTS: Glass fragments				

NOTES:

Field Duplicate Collected
(SS 553 340 FD)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115

LOCATION ID: SS 554

SAMPLER NAME/SIGNATURE:
JIM RYANDATE:
9/21/20CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 554 010 XX	9/21/20	10:37	0-1	
DESCRIPTION: Grayish-brown; dry; loose; silt with some gravel and some organics				

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 554 120 XX	9/21/20	10:57	1-2	
DESCRIPTION: Grayish-brown; dry; loose; silt with some gravel and trace organics				

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 554 230 XX	9/21/20	11:07	2-3	
DESCRIPTION: Grayish-brown; dry; loose; silt with some gravel and trace organics; ~5% 1-inch pieces of consolidated soil				

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				

COMMENTS:

NOTES:

Matrix Spike
SS 554 120 MS
Matrix Duplicate
SS 554 120 MD
Refusal at 36"

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115LOCATION ID:
SS 555SAMPLER NAME/SIGNATURE:
JIM RYANDATE:
9/21/20CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 555 010 XX	9/21/20	11:23	0-1	

DESCRIPTION: Grayish-brown; dry; loose; silt and gravel with trace organics (root material)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 555 118 XX	9/21/20	11:45	1-1.8'	

DESCRIPTION: Grayish-brown; dry; loose; silt and gravel with trace organics

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

Refusal at 22"

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango Canal

LOCATION ID:

SS 556

DATE:

9/21/20

PROJECT NUMBER:
3616206115

SAMPLER NAME/SIGNATURE:

JIM RYAN

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 556 010 XX	9/21/20	13:06	0-1	
DESCRIPTION: Grayish-Brown/Light Gray; Dry; Loose; Silt with some gravel and some organics				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 556 117 XX	9/21/20	13:14	1-1.7	
DESCRIPTION: Grayish-Brown; Dry; Loose; Silt with some gravel and trace organics				
COMMENTS: Glass fragments				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:

Refusal at 20"

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 557

DATE:

9/21/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JIM RYAN

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 557 010 XX	9/21/20	13:31	0-1	
DESCRIPTION: Grayish-brown / Gray; Dry; Loose; Silt with some gravel and some organics				
COMMENTS: Glass fragments; root fragments				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 557 117 XX	9/21/20	13:43	1-1.7	
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 558

DATE:

9/21/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JIM RYAN

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 558 010 XX	9/21/20	13:59	0-1	

DESCRIPTION:

Grayish-Brown; Dry; Loose; Silt with some gravel and some organic material (roots)

COMMENTS:

Glass fragments

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 558 120 XX	9/21/20	14:07	1-2	

DESCRIPTION:

Grayish-Brown; Dry; Loose; Silt with some gravel and some organic material (roots)

COMMENTS:

Glass fragments

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

Refusal at 24"

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalLOCATION ID:
SS 559DATE:
9/21/20PROJECT NUMBER:
3616206115SAMPLER NAME/SIGNATURE:
JIM RYANCHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 559 010 XX	9/21/20	14:22	0-1	
DESCRIPTION: Grayish-Brown; Dry; Loose; Silt with some gravel and some organics (incl. roof material) COMMENTS: Glass fragments				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 559 120 XX	9/21/20	14:34	1-2	
DESCRIPTION: Gray; Dry; Loose; Silt with some gravel and trace organics; lightweight material COMMENTS:				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 559 226 XX	9/21/20	14:44	2-2.6	
DESCRIPTION: Gray; Dry; Loose; Silt with some gravel; lightweight material COMMENTS: Glass fragments				
SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION: COMMENTS:				
NOTES: Refusal at 31"				
DEVIATIONS FROM THE WORK PLAN:				

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 560

DATE:

9/21/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JIM RYAN

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 560 010 XX	9/21/20	15:00	0-1	

DESCRIPTION:

Grayish-Brown; Dry; Loose; Silt with some gravel and trace organics (root material)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

Field Duplicate
SS 560 010 FD

Refusal at 12" (3 attempts)

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.

511 Congress Street,
Portland Maine 04101

PROJECT NAME:
Honeywell Old Chenango Canal

PROJECT NUMBER:
3616206115

LOCATION ID:
SS 561

SAMPLER NAME/SIGNATURE:
JIM RYAN

DATE:
9/21/20

CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 561 010 XX	9/21/20	15:26	0-1	
DESCRIPTION: Grayish-Brown; Dry; Loose; Silt with some gravel and some organics (root material)				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 561 115 XX	9/21/20	15:39	1-1.5	
DESCRIPTION: Grayish-Brown; Dry; Loose; Silt and gravel with trace organics (root material)				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:

Matrix Spike
SS 561 010 MS
Matrix Duplicate
SS 561 010 MD

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD



511 Congress Street,
Portland Maine 04101

PROJECT NAME: Honeywell Old Chenango Canal	LOCATION ID: SS 562	DATE: 9/22/20
PROJECT NUMBER: 3616206115	SAMPLER NAME/SIGNATURE: JIM RYAN	CHECKED BY/DATE: ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 562 010 XX	9/22/20	8:20	0-1	
DESCRIPTION: Grayish-Brown; Dry; Loose; Silt with some gravel and trace organics				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 562 119 XX	9/22/20	8:35	1-1.9	
DESCRIPTION: Grayish-Brown; Moist; Loose; Silt with some gravel				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES: Field Duplicate SS 562 119 FD Refusal at 23"	DEVIATIONS FROM THE WORK PLAN:
--	--------------------------------

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115LOCATION ID:
SS 563SAMPLER NAME/SIGNATURE:
JIM RYANDATE:
9/22/20CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 563 010 XX	9/22/20	8:53	0-1	

DESCRIPTION: (roots) Creamish-Brown; Dry; Loose; Silt with some gravel and some organics

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 563 116 XX	9/22/20	9:07	1-1.6	

DESCRIPTION: Creamish-brown; Dry; Loose; Silt with some gravel and trace organics

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

Field Duplicate
SS 563 010 FD
Refusal at 19"

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 564

DATE:

9/22/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JIM RYAN

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 564 010 XX	9/22/20	9:26	0-1	
DESCRIPTION: Grayish-Brown; Dry; Loose; silt with some gravel and some organics				

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 564 117 XX	9/22/20	9:37	1-1.7	
DESCRIPTION: Grayish-Brown; Dry; Loose; silt with some gravel and trace organics				

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				

COMMENTS:

NOTES:

Refusal at 20"

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango Canal

LOCATION ID: SS 565

DATE: 9/22/20

PROJECT NUMBER:
3616206115SAMPLER NAME/SIGNATURE:
JIM RYANCHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 565 010 XX	9/22/20	10:32	0-1	
DESCRIPTION: Cabbles and gravel with greyish-brown silt; organics (root material)				

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 565 120 XX	9/22/20	10:43	1-2	
DESCRIPTION: Grayish-Brown / Gray; Dry; Loose; silt with lightweight fill, some gravel, and some organics (mostly lightweight material)				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 565 230 XX	9/22/20	10:53	2-3	
DESCRIPTION: Gray; Dry; Loose; Lightweight silt with some gravel and trace organics				
COMMENTS: Glass fragments				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:

Matrix Spike
 SS 565 120 MS
 Matrix Duplicate
 SS 565 120 MD
 End hole at 36"

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.

511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 566

DATE:

9/22/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JIM RYAN

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 566 010 XX	9/22/20	11:19	0-1	

DESCRIPTION: Brown; Dry; Loose; silt with some gravel and some organics (roots)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 566 113 XX	9/22/20	11:42	1-1.3	

DESCRIPTION: Brown; Dry; Loose; silt with some gravel and trace organics (root material)

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:	DEVIATIONS FROM THE WORK PLAN:
Refusal at 16"	

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115

LOCATION ID:

SS 567

SAMPLER NAME/SIGNATURE:

JIM RYAN

DATE:

9/22/20

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 567 010 XX	9/22/20	13:11	0-1	
DESCRIPTION: Grayish-Brown; Dry; Loose; Silt with some gravel and trace organics; lightweight material				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 567 114 XX	9/22/20	13:26	1 - 1.6	
DESCRIPTION: Grayish-Brown; Dry; Loose; Silt with some gravel and trace organics				
COMMENTS: SS 567 114 XX; Glass Fragments				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:	DEVIATIONS FROM THE WORK PLAN:
Refusal at 17" (2 attempts)	

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101PROJECT NAME:
Honeywell Old Chenango CanalPROJECT NUMBER:
3616206115

LOCATION ID: SS 568

SAMPLER NAME/SIGNATURE:
JIM RYANDATE:
9/22/20CHECKED BY/DATE:
ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 568 010 XX	9/22/20	13:50	0-1	
DESCRIPTION: Grayish-Brown; Dry; Loose; Silt with some gravel and some silt				
COMMENTS: Glass fragments				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 568 112 XX	9/22/20	14:00	1-1.2	
DESCRIPTION: Grayish-Brown; Dry; Loose; Silt with some gravel and trace organics				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
DESCRIPTION:				
COMMENTS:				

NOTES:

Refusal at 14"

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 569

DATE:

9/22/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JIM RYAN

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 569 010 XX	9/22/20	14:09	0-1	

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 569 120 XX	9/22/20	14:27	1-2	

DESCRIPTION: Grayish-Brown; Dry; Loose; Silt with some gravel and some organics

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

Terminated at 24"

DEVIATIONS FROM THE WORK PLAN:

SOIL SAMPLE FIELD DATA RECORD

wood.511 Congress Street,
Portland Maine 04101

PROJECT NAME:

Honeywell Old Chenango Canal

LOCATION ID:

SS 570

DATE:

9/22/20

PROJECT NUMBER:

3616206115

SAMPLER NAME/SIGNATURE:

JIM RYAN

CHECKED BY/DATE:

ICD 02/02/21

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 570 010 XX	9/22/20	14:47	0-1	

DESCRIPTION:

Grayish-Brown; Dry; Loose; Silt with some gravel and trace organics

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS
SS 570 113 XX	9/22/20	15:01	1-1.3	

DESCRIPTION:

Gray-Brown; Dry; Loose; Silt with some gravel and trace organics

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

SAMPLE ID	DATE	TIME	DEPTH Interval(ft)	USCS

DESCRIPTION:

COMMENTS:

NOTES:

Terminated at 15"

DEVIATIONS FROM THE WORK PLAN:

**DATA USABILITY SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK**

1.0 INTRODUCTION

A Data Usability Summary Report (DUSR) review was completed on soil samples collected in during supplemental remedial investigations at the Old Chenango Canal Site in Utica, NY during sampling completed during September and October 2020. Samples were analyzed by TestAmerica Laboratories in North Canton, Ohio. A summary of samples contained in this review is presented in Table 1. The following U.S. Environmental Protection Agency (USEPA) analytical methods (USEPA, 1996) and Standard Methods (APHA, 1998) were performed:

- Polychlorinated biphenyls (PCBs) by Method SW8082A

The review was completed in accordance with the Honeywell Remediation program Level III and Level IV validation procedures and the NYSDEC Data Usability Summary Report (DUSR) guidelines (NYSDEC, 2010). A summary of the data sets, samples, and analytical parameters is presented on Table 1. Data were reviewed using precision and accuracy control limits from the generic Honeywell QC program presented in Table 2. Data quality reviews for the items listed below were completed using professional judgment, Method 8082A procedures, and general procedures found in USEPA National guidelines (USEPA, 2017) and Region II data validation guidelines for PCBs (USEPA, 2006).

During the Level III and Level IV data validation and the DUSR review the following data quality indicators are reviewed:

- Lab Report Narrative
- Data Completeness and Chain of Custody
- Sample Collection and Holding Times
- Quality Control Blanks
- Laboratory Control Samples (LCS)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Laboratory and Field Duplicates
- Surrogate Spikes
- Reporting Limits
- Electronic Data Verification
- Initial Calibrations
- Continuing Calibrations
- Second Column Confirmation/Quantitation
- Chromatography Reviews
- Raw data verification and transcription checks
- Calculation Verification

Data qualifications were completed if necessary in accordance with the guidelines and professional judgment using the following qualifiers:

U = The target compound was not detected at concentrations greater than, or equal to, the associated quantitation limit

J = The reported concentration is considered an estimated value

J+ = The reported concentration is considered an estimated value and potentially biased high.

J- = The reported concentration is considered an estimated value and potentially biased low.

UJ = The target compound was not detected and the reporting limit is considered to be estimated

R = The reported value is rejected and is considered to be unusable

Data validation was initially completed using the EQuIS system. The EQuIS system has a computerized data validation module that performs data validation for QC checks specified by Honeywell for Level II validation. Sample results and associated QC data are compared to project specific QC limits that are set up by the project validation chemist prior to running the validation module. The EQuIS assigns validation reason codes to all results that are associated with QC measurements outside project QC goals, and the validation module applies data validation qualifiers to the final results. The data qualification actions are reviewed by the project chemist prior to accepting the final data. The Level II EQuIS validation qualification actions and associated validation reason codes are presented on Table 3. The following data validation reason codes were applied to one or more sample results:

BL2 = Result qualified due to field or equipment blank

CFP = Confirmation dual column precision exceeded

FD = Field duplicate exceeds RPD criteria

LCSL = LCS recovery less than the lower limit

SSL = Surrogate recovery less than lower control limit

In addition to field samples and routine laboratory quality control (QC) samples, the laboratory analyzed a certified reference material (CRM) obtained from ERA in Golden, Colorado. The CRM certificate is included in Attachment 1. CRM results were compared to acceptance limits provided in the certificate as an additional evaluation of data accuracy. CRM results are discussed in Section 2.1. No validation was completed on the CRM datasets.

Sample results that are not included on Table 3 were interpreted to be usable as reported by the laboratory. A complete summary of final sample results is provided in Table 4.

2.0 DATA VALIDATION ACTIONS AND OBSERVATIONS

Quality control (QC) parameters and measurements checked during validation met requirements in the analytical method and/or validation guidelines. Unless specified below, results are interpreted to be usable as reported by the laboratory.

2.1 PCBs

Data were evaluated based on the following parameters:

- * Data Completeness and Chain of Custody
- * Collection and Preservation
- * Holding Times
- * QC Blanks
- * Instrument Calibration
- * LCS/LCSD

- * MS/MSD
- Field Duplicates
- Surrogate Recoveries
- Reporting Limits
- * Electronic Data Verification
- Second Column Confirmation/Quantitation Review
- * Chromatography Review
- * Raw Data review and Transcription Checks
- * Calculation Verifications
- * CRM

* - QC criteria were met for this parameter.

Blanks

Aroclor-1242 (0.135 µg/l), aroclor-1254 (0.0673 µg/l), and total polychlorinated biphenyls (0.202 µg/l) were detected in equipment blank samples EB-DP_091820. Results for aroclor-1254 and the associated total PCB results less than reporting limits in associated samples were qualified as non-detect (U) at the reporting limits with reason code BL2.

Aroclor-1242 was detected in four field samples at concentrations greater than reporting limits. Results were reported without qualification.

LCS/LCSD

The LCS percent recovery was less than the QC limit of 50 aroclor-1260 (47) in batch 240-453172, which indicate low bias. Aroclor-1260 was not detected and reporting limits for this compound in associated samples were qualified as estimated (UJ) with reason code LCSL.

Surrogates:

Surrogate tetrachloro-m-xylene and/or decachlorobiphenyl recoveries were lower than the QC limits of 10% and 30% in samples SB511020XX (0, 77%) and SS552120XX (29, 29%). The target compounds in these samples were qualified as estimated (J-/UJ//R) with reason code SSL.

Field Duplicate

A total of 9 field duplicate samples were collected. Field duplicate results are summarized on Table 5. Results for seven of nine locations met project objectives indicating a relatively high level of precision was obtained.

Field duplicate pair SS526010XX/ SS526010FD the relative percent difference (RPD) of aroclor-1254 (56) and total PCBs (56) results exceeded the QC limit of 50. Therefore, the aroclor-1254 and Total PCB results for field duplicate pair SS526010XX/ SS526010FD were qualified as estimated (J) with reason code FD.

Field duplicate pair SB521050XX/SB521050XD a relatively low concentration of aroclor-1254 (75.9 µg/Kg) was reported in the original sample and not in the field duplicate. A detection of 27.7 µg/Kg was initially reported by the laboratory in original sample SB521050XD, but the results was qualified non-detect U during the equipment blank evaluation. The final results for SB521050XX and SB521050XD are qualified estimated (J/UJ) in the final data with code FD.

Second Column Confirmation / Quantitation

The RPDs between dual column results exceeded the SW846 Method 8082A limit of 40 for a subset of samples. Results were qualified as estimated (J) with reason code CFP. Qualified results are summarized on Table 3.

- SS552120XX for Aroclor-1254 (47)
- SS553010XX for Aroclor-1268 (53)
- SS558120XX for Aroclor-1254 (84)
- SS559120XX for Aroclor-1254 (55)

Reporting Limits

A subset of samples were analyzed at dilutions. Reporting limits for aroclors that were not detected are elevated in these samples. Sample reporting limits are listed in Table 4.

CRM

A solid CRM sample containing aroclor-1254 was analyzed in association with samples collected during the sampling event. ERA lot D108-726-492 was analyzed by the laboratory at the beginning of the analytical program and again after sample analysis was completed. The concentration of aroclor-1254 reported by the laboratory was within certified QC Acceptance Limits for both analytical runs.

References:

American Public Health Association (APHA), 1998. "Standard Methods for Examination of Water and Wastewater"; 20th Edition; APHA, 1015 Fifteenth St., NW., Washington, D.C. 20005.

NYSDEC, 2010. "Guidance for Data Deliverables and Development of Data Usability Summary Reports (DUSR)", DER-10 Technical Guidance for Site Investigation and Remediation-Appendix 2B"; Division of Environmental Remediation; May 2010.

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Validated by: Lakshmi Devi



November 24, 2020

Reviewed by: Chris Ricardi, NRCC-EAC



December 3, 2020

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

					Parameter:	PCBs
					Method:	SW8082A
SDG	Location	Sample ID	Type	Matrix	Date	
240-136605-1	QC	EB001_091520	EB	WQ	9/15/2020	10
240-136605-1	QC	FB001_091520	FB	WQ	9/15/2020	10
240-136605-1	SS-507	SS507010XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-507	SS507119XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-508	SS508010XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-509	SS509010XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-509	SS509117XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-510	SS510010XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-510	SS510118XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-511	SS511010XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-511	SS511117FD	FD	SOIL	9/15/2020	10
240-136605-1	SS-511	SS511117XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-512	SS512010XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-512	SS512113XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-513	SS513010XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-513	SS513120XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-513	SS513230XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-514	SS514010XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-514	SS514117XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-515	SS515010XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-515	SS515120XX	REG	SOIL	9/15/2020	10
240-136605-1	SS-516	SS516000XX	REG	SOIL	9/15/2020	10
240-136608-1	SS-500	SS500010XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-500	SS500120XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-501	SS501010XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-501	SS501120XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-502	SS502010XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-502	SS502118XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-503	SS503010XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-503	SS503120XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-504	SS504010XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-504	SS504115XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-505	SS505010XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-505	SS505120XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-506	SS506010XX	REG	SOIL	9/14/2020	10
240-136608-1	SS-506	SS506115XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-501	SB501005XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-501	SB501030XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-501	SB501040XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-501	SB501050XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-501	SB501065XX	REG	SOIL	9/14/2020	10

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

					Parameter:	PCBs
					Method:	SW8082A
SDG	Location	Sample ID	Type	Matrix	Date	
240-136609-1	SB-502	SB502005XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-502	SB502030XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-502	SB502040XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-502	SB502050XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-502	SB502060XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-503	SB503005XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-503	SB503030XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-503	SB503050XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-503	SB503070XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-504	SB504020XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-504	SB504030XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-505	SB505005XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-505	SB505030XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-505	SB505040XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-505	SB505050XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-505	SB505060XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-506	SB506030XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-506	SB506050XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-507	SB507005XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-507	SB507030XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-507	SB507040XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-507	SB507050XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-509	SB509005XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-509	SB509020XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-509	SB509035XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-509	SB509045FD	FD	SOIL	9/14/2020	10
240-136609-1	SB-509	SB509045XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-509	SB509055XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-510	SB510005XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-510	SB510025XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-510	SB510050XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-510	SB510060XX	REG	SOIL	9/14/2020	10
240-136609-1	SB-511	SB511005XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-511	SB511020XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-511	SB511030XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-511	SB511055XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-511	SB511065XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-512	SB512005XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-513	SB513020XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-514	SB514020XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-514	SB514030XX	REG	SOIL	9/15/2020	10

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

					Parameter:	PCBs
					Method:	SW8082A
SDG	Location	Sample ID	Type	Matrix	Date	
240-136609-1	SB-514	SB514045XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-514	SB514060XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-514	SB514070XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-515	SB515005XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-515	SB515025XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-515	SB515050XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-515	SB515060XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-515	SB515075XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-516	SB516005XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-516	SB516025XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-516	SB516050XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-516	SB516075XX	REG	SOIL	9/15/2020	10
240-136609-1	SB-516	SB516090XX	REG	SOIL	9/15/2020	10
240-136659-1	SB-519	SB519050XX	REG	SOIL	9/15/2020	10
240-136659-1	SB-519	SB519065XX	REG	SOIL	9/15/2020	10
240-136659-1	SB-519	SB519075XX	REG	SOIL	9/15/2020	10
240-136659-1	SB-520	SB520005XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-520	SB520025XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-520	SB520055XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-520	SB520070XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-520	SB520090XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-521	SB521005XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-521	SB521025XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-521	SB521050XD	REG	SOIL	9/16/2020	10
240-136659-1	SB-521	SB521050XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-521	SB521070XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-521	SB521095XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-522	SB522040XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-522	SB522050XX	REG	SOIL	9/16/2020	10
240-136659-1	SB-522	SB522060XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-517	SS517010XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-518	SS518010XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-518	SS518115XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-519	SS519010XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-519	SS519120XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-520	SS520010XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-521	SS521010XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-522	SS522010XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-522	SS522115XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-525	SS525010XX	REG	SOIL	9/16/2020	10
240-136677-1	SS-525	SS525120XX	REG	SOIL	9/16/2020	10

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

					Parameter:	PCBs
					Method:	SW8082A
SDG	Location	Sample ID	Type	Matrix	Date	
240-136678-1	SS-523	SS523010XX	REG	SOIL	9/16/2020	10
240-136678-1	SS-523	SS523120XX	REG	SOIL	9/16/2020	10
240-136678-1	SS-524	SS524010XX	REG	SOIL	9/16/2020	10
240-136678-1	SS-524	SS524113XX	REG	SOIL	9/16/2020	10
240-136696-1	SB-517	SB517005XX	REG	SOIL	9/15/2020	10
240-136696-1	SB-517	SB517025XX	REG	SOIL	9/15/2020	10
240-136696-1	SB-517	SB517060X	REG	SOIL	9/15/2020	10
240-136696-1	SB-517	SB517080XX	REG	SOIL	9/15/2020	10
240-136696-1	SB-518	SB518005XX	REG	SOIL	9/15/2020	10
240-136696-1	SB-518	SB518025XX	REG	SOIL	9/15/2020	10
240-136696-1	SB-518	SB518050XX	REG	SOIL	9/15/2020	10
240-136696-1	SB-518	SB518065XX	REG	SOIL	9/15/2020	10
240-136696-1	SB-518	SB518080XX	REG	SOIL	9/15/2020	10
240-136696-1	SB-519	SB519005XX	REG	SOIL	9/15/2020	10
240-136696-1	SB-519	SB519025XX	REG	SOIL	9/15/2020	10
240-136798-1	SS-526	SS526010FD	FD	SOIL	9/17/2020	10
240-136798-1	SS-526	SS526010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-526	SS526116XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-527	SS527010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-527	SS527118XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-528	SS528010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-528	SS528115XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-529	SS529010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-529	SS529120XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-530	SS530010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-530	SS530115XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-531	SS531010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-531	SS531113XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-532	SS532010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-533	SS533010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-533	SS533115XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-534	SS534010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-534	SS534118XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-535	SS535010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-536	SS536010XX	REG	SOIL	9/17/2020	10
240-136798-1	SS-536	SS536120XX	REG	SOIL	9/17/2020	10
240-136870-1	SS-537	SS537010FD	FD	SOIL	9/18/2020	10
240-136870-1	SS-537	SS537010XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-537	SS537120XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-538	SS538010XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-538	SS538117XX	REG	SOIL	9/18/2020	10

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

					Parameter:	PCBs
					Method:	SW8082A
SDG	Location	Sample ID	Type	Matrix	Date	
240-136870-1	SS-539	SS539010XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-539	SS539115XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-540	SS540010XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-541	SS541010XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-541	SS541120XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-542	SS542010XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-542	SS542113XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-543	SS543007XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-544	SS544010FD	FD	SOIL	9/18/2020	10
240-136870-1	SS-544	SS544010XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-544	SS544115XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-545	SS545010XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-545	SS545113XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-546	SS546010XX	REG	SOIL	9/18/2020	10
240-136870-1	SS-546	SS546120XX	REG	SOIL	9/18/2020	10
240-136927-1	SB-523	SB523040XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-523	SB523050XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-523	SB523060XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-524	SB524040XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-524	SB524050XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-524	SB524060XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-525	SB525040XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-525	SB525050XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-525	SB525060XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-526	SB526040XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-526	SB526050XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-526	SB526070XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-527	SB527010XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-527	SB527020XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-528	SB528010XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-528	SB528020XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-529	SB529010XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-529	SB529020XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-529	SB529030XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-529	SB529070XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-529	SB529110XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-530	SB530010XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-530	SB530020XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-530	SB530030XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-530	SB530050XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-530	SB530060XX	REG	SOIL	9/17/2020	10

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

					Parameter:	PCBs
					Method:	SW8082A
SDG	Location	Sample ID	Type	Matrix	Date	
240-136927-1	SB-530	SB530110XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-530	SB530140XX	REG	SOIL	9/17/2020	10
240-136927-1	SB-530	SB530160XX	REG	SOIL	9/17/2020	10
240-136928-1	SS-551	SS551010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-551	SS551112XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-552	SS552010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-552	SS552120XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-553	SS553010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-553	SS553120XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-554	SS554010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-554	SS554120XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-555	SS555010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-555	SS555118XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-556	SS556010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-556	SS556117XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-557	SS557010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-557	SS557117XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-558	SS558010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-558	SS558120XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-559	SS559010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-559	SS559120XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-560	SS560010FD	FD	SOIL	9/21/2020	10
240-136928-1	SS-560	SS560010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-561	SS561010XX	REG	SOIL	9/21/2020	10
240-136928-1	SS-561	SS561115XX	REG	SOIL	9/21/2020	10
240-136930-1	QC	EB-DP_091820	EB	WQ	9/18/2020	10
240-136930-1	SB-531	SB531010XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-531	SB531020XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-531	SB531040XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-531	SB531070XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-531	SB531110XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-531	SB531140XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-532	SB532010XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-532	SB532020XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-533	SB533010XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-533	SB533020XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-534	SB534010XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-534	SB534020XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-534	SB534030XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-534	SB534070XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-534	SB534100XX	REG	SOIL	9/18/2020	10

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

					Parameter:	PCBs
					Method:	SW8082A
SDG	Location	Sample ID	Type	Matrix	Date	
240-136930-1	SB-534	SB534140XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-535	SB535010XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-535	SB535020XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-535	SB535030XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-535	SB535090XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-535	SB535120XX	REG	SOIL	9/18/2020	10
240-136930-1	SB-535	SB535140XX	REG	SOIL	9/18/2020	10
240-136981-1	SS-547	SS547010XX	REG	SOIL	9/18/2020	10
240-136981-1	SS-547	SS547118XX	REG	SOIL	9/18/2020	10
240-136981-1	SS-548	SS548010XX	REG	SOIL	9/18/2020	10
240-136981-1	SS-548	SS548120XX	REG	SOIL	9/18/2020	10
240-136981-1	SS-549	SS549010XX	REG	SOIL	9/18/2020	10
240-136981-1	SS-550	SS550117XX	REG	SOIL	9/18/2020	10
240-136981-1	SS-562	SS562010XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-562	SS562119FD	FD	SOIL	9/22/2020	10
240-136981-1	SS-562	SS562119XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-563	SS563010FD	FD	SOIL	9/22/2020	10
240-136981-1	SS-563	SS563010XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-563	SS563116XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-564	SS564010XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-564	SS564117XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-565	SS565010XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-565	SS565120XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-566	SS566010XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-566	SS566113XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-567	SS567010XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-567	SS567114XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-568	SS568010XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-568	SS568112XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-569	SS569010XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-569	SS569120XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-570	SS570010XX	REG	SOIL	9/22/2020	10
240-136981-1	SS-570	SS570113XX	REG	SOIL	9/22/2020	10
240-137156-1	CRM D108-726-492 QC1	CRM D108-726-492 QC 1	CRM	CRM	9/25/2020	10
240-137156-2	CRM D108-726-492 QC2	CRM D108-726-492 QC 2	CRM	CRM	9/25/2020	10

Note:

CRM = Certified Reference Material

EB= Equipment Blank

FD= Field Duplicate

REG= Regular Sample

TABLE 1
SAMPLE AND ANALYTICAL SUMMARY
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

					Parameter:	PCBs
					Method:	SW8082A
SDG	Location	Sample ID	Type	Matrix	Date	

Bold= Samples selected for Level IV calculation

Italic and grey = Non- Validated Samples

TABLE 2
ACCURACY AND PRECISION LIMITS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

PARAMETER	QC TEST	ANALYTE	WATER (%R)	SOIL (%R)	WATER RPD	SOIL RPD
PCBs	Surrogate	All Surrogate Compounds	30 - 150	30 - 150		
	LCS	All Target Analytes	50 - 150	50 - 150		
	MS/MSD	All Target Analytes	40 - 140	40 - 140	30	50
	Field Duplicate	All Target Analytes			50	50

Prepared/Date: LD 11/30/20

Checked/Date: CR 12/03/20

Notes:

LCS - Laboratory Control Sample

MS/MSD - Matrix Spike/ Matrix Spike Duplicate

RPD = Relative Percent Difference

%R = Percent Recovery

QC limits obtained from USEPA Region 2 SOP HW-45 and Honeywell Generic Program QC Limits

TABLE 3
VALIDATION ACTIONS SUMMARY
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

SDG	Field Sample ID	Type	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
240-136608-1	SS503120XX	REG	SW8082	Aroclor-1254	53.8	J	U	BL2	µg/kg
240-136608-1	SS503120XX	REG	SW8082	Total PCBs	53.8	J	U	BL2	µg/kg
240-136608-1	SS506010XX	REG	SW8082	Aroclor-1254	55.5	J	U	BL2	µg/kg
240-136608-1	SS506010XX	REG	SW8082	Total PCBs	55.5	J	U	BL2	µg/kg
240-136608-1	SS506115XX	REG	SW8082	Aroclor-1254	52.6	J	U	BL2	µg/kg
240-136609-1	SB502040XX	REG	SW8082	Aroclor-1254	51.0	J	U	BL2	µg/kg
240-136609-1	SB502040XX	REG	SW8082	Total PCBs	51.0	J	U	BL2	µg/kg
240-136609-1	SB503070XX	REG	SW8082	Aroclor-1254	54.2	J	U	BL2	µg/kg
240-136609-1	SB503070XX	REG	SW8082	Aroclor-1260	54.2	U	UJ	LCSL	µg/kg
240-136609-1	SB503070XX	REG	SW8082	Total PCBs	54.2	J	U	BL2	µg/kg
240-136609-1	SB505040XX	REG	SW8082	Aroclor-1254	51.2	J	U	BL2	µg/kg
240-136609-1	SB505040XX	REG	SW8082	Total PCBs	51.2	J	U	BL2	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Aroclor-1016	318	U	R	SSL	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Aroclor-1221	318	U	R	SSL	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Aroclor-1232	318	U	R	SSL	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Aroclor-1242	318	U	R	SSL	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Aroclor-1248	318	U	R	SSL	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Aroclor-1254	1640		J-	SSL	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Aroclor-1260	318	U	R	SSL	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Aroclor-1262	318	U	R	SSL	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Aroclor-1268	318	U	R	SSL	µg/kg
240-136609-1	SB511020XX	REG	SW8082	Total PCBs	1640		J-	SSL	µg/kg
240-136659-1	SB520055XX	REG	SW8082	Aroclor-1254	54.4	J	U	BL2	µg/kg
240-136659-1	SB520055XX	REG	SW8082	Total PCBs	54.4	J	U	BL2	µg/kg
240-136659-1	SB521050XX	REG	SW8082	Aroclor-1254	75.9	J	J	FD	µg/kg
240-136659-1	SB521050XD	REG	SW8082	Aroclor-1254	55.3	J	UJ	BL2,FD	µg/kg
240-136659-1	SB522040XX	REG	SW8082	Aroclor-1254	51.2	J	U	BL2	µg/kg
240-136696-1	SB517080XX	REG	SW8082	Aroclor-1254	58.0	J	U	BL2	µg/kg

TABLE 3
VALIDATION ACTIONS SUMMARY
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

SDG	Field Sample ID	Type	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
240-136696-1	SB517080XX	REG	SW8082	Total PCBs	58.0	J	U	BL2	µg/kg
240-136798-1	SS526010FD	FD	SW8082	Aroclor-1254	1140		J	FD	µg/kg
240-136798-1	SS526010FD	FD	SW8082	Total PCBs	1140		J	FD	µg/kg
240-136798-1	SS526010XX	REG	SW8082	Aroclor-1254	642		J	FD	µg/kg
240-136798-1	SS526010XX	REG	SW8082	Total PCBs	642		J	FD	µg/kg
240-136870-1	SS537010XX	REG	SW8082	Aroclor-1260	57.7	U	UJ	LCSL	µg/kg
240-136870-1	SS539115XX	REG	SW8082	Aroclor-1254	52.2	J	U	BL2	µg/kg
240-136870-1	SS539115XX	REG	SW8082	Total PCBs	52.2	J	U	BL2	µg/kg
240-136870-1	SS544010FD	FD	SW8082	Aroclor-1254	52.0	J	U	BL2	µg/kg
240-136870-1	SS544010FD	FD	SW8082	Total PCBs	52.0	J	U	BL2	µg/kg
240-136870-1	SS544010XX	REG	SW8082	Aroclor-1254	52.2	J	U	BL2	µg/kg
240-136870-1	SS544010XX	REG	SW8082	Total PCBs	52.2	J	U	BL2	µg/kg
240-136870-1	SS544115XX	REG	SW8082	Aroclor-1254	54.3	J	U	BL2	µg/kg
240-136870-1	SS546010XX	REG	SW8082	Aroclor-1254	56.2	J	U	BL2	µg/kg
240-136927-1	SB523040XX	REG	SW8082	Aroclor-1254	52.1	J	U	BL2	µg/kg
240-136927-1	SB523040XX	REG	SW8082	Total PCBs	52.1	J	U	BL2	µg/kg
240-136927-1	SB524040XX	REG	SW8082	Aroclor-1254	51.5	J	U	BL2	µg/kg
240-136927-1	SB525060XX	REG	SW8082	Aroclor-1254	54.7	J	U	BL2	µg/kg
240-136927-1	SB525060XX	REG	SW8082	Total PCBs	54.7	J	U	BL2	µg/kg
240-136927-1	SB526070XX	REG	SW8082	Aroclor-1254	58.4	Jp	U	BL2	µg/kg
240-136927-1	SB526070XX	REG	SW8082	Total PCBs	58.4	J	U	BL2	µg/kg
240-136928-1	SS552120XX	REG	SW8082	Aroclor-1016	281	U	UJ	SSL	µg/kg
240-136928-1	SS552120XX	REG	SW8082	Aroclor-1221	281	U	UJ	SSL	µg/kg
240-136928-1	SS552120XX	REG	SW8082	Aroclor-1232	281	U	UJ	SSL	µg/kg
240-136928-1	SS552120XX	REG	SW8082	Aroclor-1242	281	U	UJ	SSL	µg/kg
240-136928-1	SS552120XX	REG	SW8082	Aroclor-1248	281	U	UJ	SSL	µg/kg
240-136928-1	SS552120XX	REG	SW8082	Aroclor-1254	1280	p	J-	SSL,CFP	µg/kg
240-136928-1	SS552120XX	REG	SW8082	Aroclor-1260	281	U	UJ	SSL	µg/kg

TABLE 3
VALIDATION ACTIONS SUMMARY
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

SDG	Field Sample ID	Type	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
240-136928-1	SS552120XX	REG	SW8082	Aroclor-1262	281	U	UJ	SSL	µg/kg
240-136928-1	SS552120XX	REG	SW8082	Aroclor-1268	281	U	UJ	SSL	µg/kg
240-136928-1	SS552120XX	REG	SW8082	Total PCBs	1280		J-	SSL	µg/kg
240-136928-1	SS553010XX	REG	SW8082	Aroclor-1268	215		J	CFP	µg/kg
240-136928-1	SS554010XX	REG	SW8082	Aroclor-1254	55.8	Jp	U	BL2	µg/kg
240-136928-1	SS554010XX	REG	SW8082	Total PCBs	55.8	J	U	BL2	µg/kg
240-136928-1	SS558120XX	REG	SW8082	Aroclor-1254	210	p	J	CFP	µg/kg
240-136928-1	SS559120XX	REG	SW8082	Aroclor-1254	790	p	J	CFP	µg/kg
240-136930-1	SB534020XX	REG	SW8082	Aroclor-1260	53.6	U	UJ	LCSL	µg/kg
240-136930-1	SB534030XX	REG	SW8082	Aroclor-1260	54.3	U	UJ	LCSL	µg/kg
240-136930-1	SB534070XX	REG	SW8082	Aroclor-1254	58.8	J	U	BL2	µg/kg
240-136930-1	SB534070XX	REG	SW8082	Aroclor-1260	58.8	U	UJ	LCSL	µg/kg
240-136930-1	SB534100XX	REG	SW8082	Aroclor-1260	56.2	U	UJ	LCSL	µg/kg
240-136930-1	SB534140XX	REG	SW8082	Aroclor-1260	53.9	U	UJ	LCSL	µg/kg
240-136930-1	SB535010XX	REG	SW8082	Aroclor-1260	51.3	U	UJ	LCSL	µg/kg
240-136930-1	SB535020XX	REG	SW8082	Aroclor-1260	55.1	U	UJ	LCSL	µg/kg
240-136930-1	SB535030XX	REG	SW8082	Aroclor-1260	55.3	U	UJ	LCSL	µg/kg
240-136930-1	SB535090XX	REG	SW8082	Aroclor-1260	65.2	U	UJ	LCSL	µg/kg
240-136930-1	SB535120XX	REG	SW8082	Aroclor-1260	52.1	U	UJ	LCSL	µg/kg
240-136981-1	SS547010XX	REG	SW8082	Aroclor-1260	298	U	UJ	LCSL	µg/kg
240-136981-1	SS547118XX	REG	SW8082	Aroclor-1260	282	U	UJ	LCSL	µg/kg
240-136981-1	SS548010XX	REG	SW8082	Aroclor-1260	53.1	U	UJ	LCSL	µg/kg
240-136981-1	SS548120XX	REG	SW8082	Aroclor-1260	536	U	UJ	LCSL	µg/kg
240-136981-1	SS549010XX	REG	SW8082	Aroclor-1260	601	U	UJ	LCSL	µg/kg
240-136981-1	SS550117XX	REG	SW8082	Aroclor-1260	668	U	UJ	LCSL	µg/kg
240-136981-1	SS565120XX	REG	SW8082	Aroclor-1254	55.8	J	U	BL2	µg/kg

Note:

TABLE 3
VALIDATION ACTIONS SUMMARY
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

SDG	Field Sample ID	Type	Method	Parameter Name	Lab Result	Lab Qual	Val Qual	Reason Codes	Units
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J = Estimated
 J- = Estimated with low bias
 SSH = Surrogate recovery greater than upper control limit
 BL2 = Result qualified due to field or equipment blank
 CFP = Confirmation dual column precision exceeded
 FD = Field duplicate exceeds RPD criteria
 LCSL = LCS recovery less than the lower limit
 SSL = Surrogate recovery less than lower control limit
 U = Undetected

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS507010XX SS-507 9/15/2020 240-136605-1	SS507119XX SS-507 9/15/2020 240-136605-1	SS508010XX SS-508 9/15/2020 240-136605-1	SS509010XX SS-509 9/15/2020 240-136605-1	SS509117XX SS-509 9/15/2020 240-136605-1	SS510010XX SS-510 9/15/2020 240-136605-1	SS510118XX SS-510 9/15/2020 240-136605-1	SS511010XX SS-511 9/15/2020 240-136605-1	SS511117XX SS-511 9/15/2020 240-136605-1	SS511117FD SS-511 9/15/2020 240-136605-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	55.8 U	55.5 U	52.2 U	60.8 U	57.2 U	55.5 U	57.1 U	58.8 U	56.9 U	59.5 U
µg/kg	SW8082	Aroclor-1221	55.8 U	55.5 U	52.2 U	60.8 U	57.2 U	55.5 U	57.1 U	58.8 U	56.9 U	59.5 U
µg/kg	SW8082	Aroclor-1232	55.8 U	55.5 U	52.2 U	60.8 U	57.2 U	55.5 U	57.1 U	58.8 U	56.9 U	59.5 U
µg/kg	SW8082	Aroclor-1242	55.8 U	55.5 U	52.2 U	60.8 U	57.2 U	55.5 U	57.1 U	58.8 U	56.9 U	59.5 U
µg/kg	SW8082	Aroclor-1248	55.8 U	55.5 U	52.2 U	60.8 U	57.2 U	55.5 U	57.1 U	58.8 U	56.9 U	59.5 U
µg/kg	SW8082	Aroclor-1254	128	186	125	347	120	1050	487	709	345	401
µg/kg	SW8082	Aroclor-1260	55.8 U	55.5 U	52.2 U	60.8 U	57.2 U	55.5 U	57.1 U	58.8 U	56.9 U	59.5 U
µg/kg	SW8082	Aroclor-1262	55.8 U	55.5 U	52.2 U	60.8 U	57.2 U	55.5 U	57.1 U	58.8 U	56.9 U	59.5 U
µg/kg	SW8082	Aroclor-1268	55.8 U	55.5 U	52.2 U	60.8 U	57.2 U	55.5 U	57.1 U	58.8 U	56.9 U	59.5 U
µg/kg	SW8082	Total PCBs	128	186	125	347	120	1050	487	709	345	401

Notes:

U = undetected

J = estimated value

J- = estimated value with low bias

Italic and grey = non validated data

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS512010XX SS-512 9/15/2020 240-136605-1	SS512113XX SS-512 9/15/2020 240-136605-1	SS513010XX SS-513 9/15/2020 240-136605-1	SS513120XX SS-513 9/15/2020 240-136605-1	SS513230XX SS-513 9/15/2020 240-136605-1	SS514010XX SS-514 9/15/2020 240-136605-1	SS514117XX SS-514 9/15/2020 240-136605-1	SS515010XX SS-515 9/15/2020 240-136605-1	SS515120XX SS-515 9/15/2020 240-136605-1	SS516000XX SS-516 9/15/2020 240-136605-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	55.8 U	54.4 U	3420 U	635 U	637 U	56.2 U	53.9 U	62.5 U	62.2 U	1280 U
µg/kg	SW8082	Aroclor-1221	55.8 U	54.4 U	3420 U	635 U	637 U	56.2 U	53.9 U	62.5 U	62.2 U	1280 U
µg/kg	SW8082	Aroclor-1232	55.8 U	54.4 U	3420 U	635 U	637 U	56.2 U	53.9 U	62.5 U	62.2 U	1280 U
µg/kg	SW8082	Aroclor-1242	55.8 U	54.4 U	3420 U	635 U	637 U	56.2 U	53.9 U	62.5 U	62.2 U	1280 U
µg/kg	SW8082	Aroclor-1248	55.8 U	54.4 U	3420 U	635 U	637 U	56.2 U	53.9 U	62.5 U	62.2 U	1280 U
µg/kg	SW8082	Aroclor-1254	834	286	43600	5690	8940	672	335	1060	340	24600
µg/kg	SW8082	Aroclor-1260	55.8 U	54.4 U	3420 U	635 U	637 U	56.2 U	53.9 U	62.5 U	62.2 U	1280 U
µg/kg	SW8082	Aroclor-1262	55.8 U	54.4 U	3420 U	635 U	637 U	56.2 U	53.9 U	62.5 U	62.2 U	1280 U
µg/kg	SW8082	Aroclor-1268	55.8 U	54.4 U	3420 U	635 U	637 U	56.2 U	53.9 U	62.5 U	62.2 U	1280 U
µg/kg	SW8082	Total PCBs	834	286	43600	5690	8940	672	335	1060	340	24600

Notes:

U = undetected

J = estimated value

J- = estimated value with low t

Italic and grey = non validated

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS500010XX SS-500 9/14/2020 240-136608-1	SS500120XX SS-500 9/14/2020 240-136608-1	SS501010XX SS-501 9/14/2020 240-136608-1	SS501120XX SS-501 9/14/2020 240-136608-1	SS502010XX SS-502 9/14/2020 240-136608-1	SS502118XX SS-502 9/14/2020 240-136608-1	SS503010XX SS-503 9/14/2020 240-136608-1	SS503120XX SS-503 9/14/2020 240-136608-1	SS504010XX SS-504 9/14/2020 240-136608-1	SS504115XX SS-504 9/14/2020 240-136608-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	56.0 U	56.6 U	59.6 U	63.4 U	61.7 U	61.0 U	52.5 U	53.8 U	54.1 U	55.0 U
µg/kg	SW8082	Aroclor-1221	56.0 U	56.6 U	59.6 U	63.4 U	61.7 U	61.0 U	52.5 U	53.8 U	54.1 U	55.0 U
µg/kg	SW8082	Aroclor-1232	56.0 U	56.6 U	59.6 U	63.4 U	61.7 U	61.0 U	52.5 U	53.8 U	54.1 U	55.0 U
µg/kg	SW8082	Aroclor-1242	56.0 U	56.6 U	59.6 U	63.4 U	61.7 U	61.0 U	52.5 U	53.8 U	54.1 U	55.0 U
µg/kg	SW8082	Aroclor-1248	56.0 U	56.6 U	59.6 U	63.4 U	61.7 U	61.0 U	52.5 U	53.8 U	54.1 U	55.0 U
µg/kg	SW8082	Aroclor-1254	129	106	141	108	125	125	65.7	53.8 U	264	125
µg/kg	SW8082	Aroclor-1260	56.0 U	56.6 U	59.6 U	63.4 U	61.7 U	61.0 U	52.5 U	53.8 U	54.1 U	55.0 U
µg/kg	SW8082	Aroclor-1262	56.0 U	56.6 U	59.6 U	63.4 U	61.7 U	61.0 U	52.5 U	53.8 U	54.1 U	55.0 U
µg/kg	SW8082	Aroclor-1268	56.0 U	56.6 U	59.6 U	63.4 U	61.7 U	61.0 U	52.5 U	53.8 U	54.1 U	55.0 U
µg/kg	SW8082	Total PCBs	129	106	141	108	125	125	65.7	53.8 U	264	125

Notes:

U = undetected

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J- = estimated value with low b

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS505010XX SS-505 9/14/2020 240-136608-1	SS505120XX SS-505 9/14/2020 240-136608-1	SS506010XX SS-506 9/14/2020 240-136608-1	SS506115XX SS-506 9/14/2020 240-136608-1	SB501005XX SB-501 9/14/2020 240-136609-1	SB501030XX SB-501 9/14/2020 240-136609-1	SB501040XX SB-501 9/14/2020 240-136609-1	SB501050XX SB-501 9/14/2020 240-136609-1	SB501065XX SB-501 9/14/2020 240-136609-1	SB502005XX SB-502 9/14/2020 240-136609-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	61.6 U	62.9 U	55.5 U	52.6 U	292 U	5940 U	55.2 U	53.8 U	51.6 U	294 U
µg/kg	SW8082	Aroclor-1221	61.6 U	62.9 U	55.5 U	52.6 U	292 U	5940 U	55.2 U	53.8 U	51.6 U	294 U
µg/kg	SW8082	Aroclor-1232	61.6 U	62.9 U	55.5 U	52.6 U	292 U	5940 U	55.2 U	53.8 U	51.6 U	294 U
µg/kg	SW8082	Aroclor-1242	61.6 U	62.9 U	55.5 U	52.6 U	292 U	5940 U	55.2 U	53.8 U	51.6 U	294 U
µg/kg	SW8082	Aroclor-1248	61.6 U	62.9 U	55.5 U	52.6 U	292 U	5940 U	55.2 U	53.8 U	51.6 U	294 U
µg/kg	SW8082	Aroclor-1254	158	116	55.5 U	52.6 U	1600	49600	68.3	88.4	71.1	2000
µg/kg	SW8082	Aroclor-1260	61.6 U	62.9 U	55.5 U	52.6 U	292 U	5940 U	55.2 U	53.8 U	51.6 U	294 U
µg/kg	SW8082	Aroclor-1262	61.6 U	62.9 U	55.5 U	52.6 U	292 U	5940 U	55.2 U	53.8 U	51.6 U	294 U
µg/kg	SW8082	Aroclor-1268	61.6 U	62.9 U	55.5 U	52.6 U	292 U	5940 U	55.2 U	53.8 U	51.6 U	294 U
µg/kg	SW8082	Total PCBs	158	116	55.5 U	52.6 U	1600	49600	68.3	88.4	71.1	2000

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB502030XX	SB502040XX	SB502050XX	SB502060XX	SB503005XX	SB503030XX	SB503050XX	SB503070XX	SB504020XX	SB504030XX
Location			SB-502	SB-502	SB-502	SB-502	SB-503	SB-503	SB-503	SB-503	SB-504	SB-504
Sample Date			9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Sample Delivery group			240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	59.5 U	51.0 U	52.8 U	52.8 U	308 U	63.1 U	53.0 U	54.2 U	5780 U	75000 U
µg/kg	SW8082	Aroclor-1221	59.5 U	51.0 U	52.8 U	52.8 U	308 U	63.1 U	53.0 U	54.2 U	5780 U	75000 U
µg/kg	SW8082	Aroclor-1232	59.5 U	51.0 U	52.8 U	52.8 U	308 U	63.1 U	53.0 U	54.2 U	5780 U	75000 U
µg/kg	SW8082	Aroclor-1242	59.5 U	51.0 U	52.8 U	52.8 U	308 U	63.1 U	53.0 U	54.2 U	5780 U	75000 U
µg/kg	SW8082	Aroclor-1248	59.5 U	51.0 U	52.8 U	52.8 U	308 U	63.1 U	53.0 U	54.2 U	5780 U	75000 U
µg/kg	SW8082	Aroclor-1254	59.5 U	51.0 U	90.7	52.8 U	4020	152	733	54.2 U	58400	503000
µg/kg	SW8082	Aroclor-1260	59.5 U	51.0 U	52.8 U	52.8 U	308 U	63.1 U	53.0 U	54.2 UJ	5780 U	75000 U
µg/kg	SW8082	Aroclor-1262	59.5 U	51.0 U	52.8 U	52.8 U	308 U	63.1 U	53.0 U	54.2 U	5780 U	75000 U
µg/kg	SW8082	Aroclor-1268	59.5 U	51.0 U	52.8 U	52.8 U	308 U	63.1 U	53.0 U	54.2 U	5780 U	75000 U
µg/kg	SW8082	Total PCBs	59.5 U	51.0 U	90.7	52.8 U	4020	152	733	54.2 U	58400	503000

Notes:

U = undetected

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SB505005XX SB-505 9/14/2020 240-136609-1	SB505030XX SB-505 9/14/2020 240-136609-1	SB505040XX SB-505 9/14/2020 240-136609-1	SB505050XX SB-505 9/14/2020 240-136609-1	SB505060XX SB-505 9/14/2020 240-136609-1	SB506030XX SB-506 9/14/2020 240-136609-1	SB506050XX SB-506 9/14/2020 240-136609-1	SB507005XX SB-507 9/14/2020 240-136609-1	SB507030XX SB-507 9/14/2020 240-136609-1	SB507040XX SB-507 9/14/2020 240-136609-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	293 U	55.9 U	51.2 U	54.0 U	50.0 U	55.3 U	53.1 U	602 U	277 U	54.5 U
µg/kg	SW8082	Aroclor-1221	293 U	55.9 U	51.2 U	54.0 U	50.0 U	55.3 U	53.1 U	602 U	277 U	54.5 U
µg/kg	SW8082	Aroclor-1232	293 U	55.9 U	51.2 U	54.0 U	50.0 U	55.3 U	53.1 U	602 U	277 U	54.5 U
µg/kg	SW8082	Aroclor-1242	293 U	55.9 U	51.2 U	54.0 U	50.0 U	55.3 U	53.1 U	602 U	277 U	54.5 U
µg/kg	SW8082	Aroclor-1248	293 U	55.9 U	51.2 U	54.0 U	50.0 U	55.3 U	53.1 U	602 U	277 U	54.5 U
µg/kg	SW8082	Aroclor-1254	2250	334	51.2 U	54.0 U	50.0 U	299	55.1	10400	1690	54.5 U
µg/kg	SW8082	Aroclor-1260	293 U	55.9 U	51.2 U	54.0 U	50.0 U	55.3 U	53.1 U	602 U	277 U	54.5 U
µg/kg	SW8082	Aroclor-1262	293 U	55.9 U	51.2 U	54.0 U	50.0 U	55.3 U	53.1 U	602 U	277 U	54.5 U
µg/kg	SW8082	Aroclor-1268	293 U	55.9 U	51.2 U	54.0 U	50.0 U	55.3 U	53.1 U	602 U	277 U	54.5 U
µg/kg	SW8082	Total PCBs	2250	334	51.2 U	54.0 U	50.0 U	299	55.1	10400	1690	54.5 U

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB507050XX	SB509005XX	SB509020XX	SB509035XX	SB509045XX	SB509045FD	SB509055XX	SB510005XX	SB510025XX	SB510050XX
Location			SB-507	SB-509	SB-509	SB-509	SB-509	SB-509	SB-509	SB-510	SB-510	SB-510
Sample Date			9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020	9/14/2020
Sample Delivery group			240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	52.8 U	606 U	312 U	52.5 U	52.9 U	55.4 U	53.8 U	557 U	54.1 U	53.0 U
µg/kg	SW8082	Aroclor-1221	52.8 U	606 U	312 U	52.5 U	52.9 U	55.4 U	53.8 U	557 U	54.1 U	53.0 U
µg/kg	SW8082	Aroclor-1232	52.8 U	606 U	312 U	52.5 U	52.9 U	55.4 U	53.8 U	557 U	54.1 U	53.0 U
µg/kg	SW8082	Aroclor-1242	52.8 U	606 U	5520	103	52.9 U	55.4 U	53.8 U	557 U	236	53.0 U
µg/kg	SW8082	Aroclor-1248	52.8 U	606 U	312 U	52.5 U	52.9 U	55.4 U	53.8 U	557 U	54.1 U	53.0 U
µg/kg	SW8082	Aroclor-1254	52.8 U	6170	2760	147	52.9 U	55.4 U	53.8 U	7730	248	53.0 U
µg/kg	SW8082	Aroclor-1260	52.8 U	606 U	312 U	52.5 U	52.9 U	55.4 U	53.8 U	557 U	54.1 U	53.0 U
µg/kg	SW8082	Aroclor-1262	52.8 U	606 U	312 U	52.5 U	52.9 U	55.4 U	53.8 U	557 U	54.1 U	53.0 U
µg/kg	SW8082	Aroclor-1268	52.8 U	606 U	312 U	52.5 U	52.9 U	55.4 U	53.8 U	557 U	54.1 U	53.0 U
µg/kg	SW8082	Total PCBs	52.8 U	6170	8280	250	52.9 U	55.4 U	53.8 U	7730	484	53.0 U

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB510060XX	SB511005XX	SB511020XX	SB511030XX	SB511055XX	SB511065XX	SB512005XX	SB513020XX	SB514020XX	SB514030XX
Location			SB-510	SB-511	SB-511	SB-511	SB-511	SB-511	SB-512	SB-513	SB-514	SB-514
Sample Date			9/14/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020
Sample Delivery group			240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	53.2 U	278 U	318 R	52.6 U	55.5 U	52.0 U	283 U	309 U	295 U	53.8 U
µg/kg	SW8082	Aroclor-1221	53.2 U	278 U	318 R	52.6 U	55.5 U	52.0 U	283 U	309 U	295 U	53.8 U
µg/kg	SW8082	Aroclor-1232	53.2 U	278 U	318 R	52.6 U	55.5 U	52.0 U	283 U	309 U	295 U	53.8 U
µg/kg	SW8082	Aroclor-1242	53.2 U	278 U	318 R	52.6 U	55.5 U	52.0 U	283 U	309 U	295 U	53.8 U
µg/kg	SW8082	Aroclor-1248	53.2 U	278 U	318 R	52.6 U	55.5 U	52.0 U	283 U	309 U	295 U	53.8 U
µg/kg	SW8082	Aroclor-1254	53.2 U	1850	1640 J-	52.6 U	55.5 U	52.0 U	1640	2720	3430	971
µg/kg	SW8082	Aroclor-1260	53.2 U	278 U	318 R	52.6 U	55.5 U	52.0 U	283 U	309 U	295 U	53.8 U
µg/kg	SW8082	Aroclor-1262	53.2 U	278 U	318 R	52.6 U	55.5 U	52.0 U	283 U	309 U	295 U	53.8 U
µg/kg	SW8082	Aroclor-1268	53.2 U	278 U	318 R	52.6 U	55.5 U	52.0 U	283 U	309 U	295 U	53.8 U
µg/kg	SW8082	Total PCBs	53.2 U	1850	1640 J-	52.6 U	55.5 U	52.0 U	1640	2720	3430	971

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB514045XX	SB514060XX	SB514070XX	SB515005XX	SB515025XX	SB515050XX	SB515060XX	SB515075XX	SB516005XX	SB516025XX
Location			SB-514	SB-514	SB-514	SB-515	SB-515	SB-515	SB-515	SB-515	SB-516	SB-516
Sample Date			9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020
Sample Delivery group			240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1	240-136609-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	55.4 U	53.8 U	52.0 U	57.4 U	55.1 U	53.5 U	52.3 U	52.9 U	572 U	53.1 U
µg/kg	SW8082	Aroclor-1221	55.4 U	53.8 U	52.0 U	57.4 U	55.1 U	53.5 U	52.3 U	52.9 U	572 U	53.1 U
µg/kg	SW8082	Aroclor-1232	55.4 U	53.8 U	52.0 U	57.4 U	55.1 U	53.5 U	52.3 U	52.9 U	572 U	53.1 U
µg/kg	SW8082	Aroclor-1242	55.4 U	53.8 U	52.0 U	392	55.1 U	53.5 U	52.3 U	52.9 U	572 U	53.1 U
µg/kg	SW8082	Aroclor-1248	55.4 U	53.8 U	52.0 U	57.4 U	55.1 U	53.5 U	52.3 U	52.9 U	572 U	53.1 U
µg/kg	SW8082	Aroclor-1254	55.4 U	53.8 U	52.0 U	731	55.1 U	53.5 U	52.3 U	52.9 U	5560	273
µg/kg	SW8082	Aroclor-1260	55.4 U	53.8 U	52.0 U	57.4 U	55.1 U	53.5 U	52.3 U	52.9 U	572 U	53.1 U
µg/kg	SW8082	Aroclor-1262	55.4 U	53.8 U	52.0 U	57.4 U	55.1 U	53.5 U	52.3 U	52.9 U	572 U	53.1 U
µg/kg	SW8082	Aroclor-1268	55.4 U	53.8 U	52.0 U	57.4 U	55.1 U	53.5 U	52.3 U	52.9 U	572 U	53.1 U
µg/kg	SW8082	Total PCBs	55.4 U	53.8 U	52.0 U	1120	55.1 U	53.5 U	52.3 U	52.9 U	5560	273

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB516050XX	SB516075XX	SB516090XX	SB519050XX	SB519065XX	SB519075XX	SB520005XX	SB520025XX	SB520055XX	SB520070XX
Location			SB-516	SB-516	SB-516	SB-519	SB-519	SB-519	SB-520	SB-520	SB-520	SB-520
Sample Date			9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/16/2020	9/16/2020	9/16/2020	9/16/2020
Sample Delivery group			240-136609-1	240-136609-1	240-136609-1	240-136659-1	240-136659-1	240-136659-1	240-136659-1	240-136659-1	240-136659-1	240-136659-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	52.1 U	54.4 U	54.0 U	54.1 U	56.3 U	58.4 U	6510 U	53.8 U	54.4 U	56.3 U
µg/kg	SW8082	Aroclor-1221	52.1 U	54.4 U	54.0 U	54.1 U	56.3 U	58.4 U	6510 U	53.8 U	54.4 U	56.3 U
µg/kg	SW8082	Aroclor-1232	52.1 U	54.4 U	54.0 U	54.1 U	56.3 U	58.4 U	6510 U	53.8 U	54.4 U	56.3 U
µg/kg	SW8082	Aroclor-1242	52.1 U	54.4 U	54.0 U	54.1 U	56.3 U	58.4 U	6510 U	53.8 U	54.4 U	56.3 U
µg/kg	SW8082	Aroclor-1248	52.1 U	54.4 U	54.0 U	54.1 U	56.3 U	58.4 U	6510 U	53.8 U	54.4 U	56.3 U
µg/kg	SW8082	Aroclor-1254	52.1 U	54.4 U	87.3	84.7	222	967	37800	133	54.4 U	56.3 U
µg/kg	SW8082	Aroclor-1260	52.1 U	54.4 U	54.0 U	54.1 U	56.3 U	58.4 U	6510 U	53.8 U	54.4 U	56.3 U
µg/kg	SW8082	Aroclor-1262	52.1 U	54.4 U	54.0 U	54.1 U	56.3 U	58.4 U	6510 U	53.8 U	54.4 U	56.3 U
µg/kg	SW8082	Aroclor-1268	52.1 U	54.4 U	54.0 U	54.1 U	56.3 U	58.4 U	6510 U	53.8 U	54.4 U	56.3 U
µg/kg	SW8082	Total PCBs	52.1 U	54.4 U	87.3	84.7	222	967	37800	133	54.4 U	56.3 U

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SB520090XX SB-520 9/16/2020 240-136659-1	SB521005XX SB-521 9/16/2020 240-136659-1	SB521025XX SB-521 9/16/2020 240-136659-1	SB521050XX SB-521 9/16/2020 240-136659-1	SB521050XD SB-521 9/16/2020 240-136659-1	SB521070XX SB-521 9/16/2020 240-136659-1	SB521095XX SB-521 9/16/2020 240-136659-1	SB522040XX SB-522 9/16/2020 240-136659-1	SB522050XX SB-522 9/16/2020 240-136659-1	SB522060XX SB-522 9/16/2020 240-136659-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	59.4 U	6180 U	57.1 U	54.2 U	55.3 U	57.7 U	57.4 U	51.2 U	53.5 U	54.2 U
µg/kg	SW8082	Aroclor-1221	59.4 U	6180 U	57.1 U	54.2 U	55.3 U	57.7 U	57.4 U	51.2 U	53.5 U	54.2 U
µg/kg	SW8082	Aroclor-1232	59.4 U	6180 U	57.1 U	54.2 U	55.3 U	57.7 U	57.4 U	51.2 U	53.5 U	54.2 U
µg/kg	SW8082	Aroclor-1242	59.4 U	6180 U	57.1 U	54.2 U	55.3 U	57.7 U	57.4 U	51.2 U	53.5 U	54.2 U
µg/kg	SW8082	Aroclor-1248	59.4 U	6180 U	57.1 U	54.2 U	55.3 U	57.7 U	57.4 U	51.2 U	53.5 U	54.2 U
µg/kg	SW8082	Aroclor-1254	59.4 U	91500	57.1 U	75.9 J	55.3 UJ	57.7 U	57.4 U	51.2 U	125	215
µg/kg	SW8082	Aroclor-1260	59.4 U	6180 U	57.1 U	54.2 U	55.3 U	57.7 U	57.4 U	51.2 U	53.5 U	54.2 U
µg/kg	SW8082	Aroclor-1262	59.4 U	6180 U	57.1 U	54.2 U	55.3 U	57.7 U	57.4 U	51.2 U	53.5 U	54.2 U
µg/kg	SW8082	Aroclor-1268	59.4 U	6180 U	57.1 U	54.2 U	55.3 U	57.7 U	57.4 U	51.2 U	53.5 U	54.2 U
µg/kg	SW8082	Total PCBs	59.4 U	91500	57.1 U	75.9	55.3 U	57.7 U	57.4 U	51.2 U	125	215

Notes:

U = undetected

J = estimated value

J- = estimated value with low t

Italic and grey = non validated

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS517010XX SS-517 9/16/2020 240-136677-1	SS518010XX SS-518 9/16/2020 240-136677-1	SS518115XX SS-518 9/16/2020 240-136677-1	SS519010XX SS-519 9/16/2020 240-136677-1	SS519120XX SS-519 9/16/2020 240-136677-1	SS520010XX SS-520 9/16/2020 240-136677-1	SS521010XX SS-521 9/16/2020 240-136677-1	SS522010XX SS-522 9/16/2020 240-136677-1	SS522115XX SS-522 9/16/2020 240-136677-1	SS525010XX SS-525 9/16/2020 240-136677-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	56.4 U	56.4 U	54.6 U	62.9 U	58.2 U	60.2 U	60.5 U	53.7 U	55.2 U	57.5 U
µg/kg	SW8082	Aroclor-1221	56.4 U	56.4 U	54.6 U	62.9 U	58.2 U	60.2 U	60.5 U	53.7 U	55.2 U	57.5 U
µg/kg	SW8082	Aroclor-1232	56.4 U	56.4 U	54.6 U	62.9 U	58.2 U	60.2 U	60.5 U	53.7 U	55.2 U	57.5 U
µg/kg	SW8082	Aroclor-1242	56.4 U	56.4 U	54.6 U	62.9 U	58.2 U	60.2 U	60.5 U	53.7 U	55.2 U	57.5 U
µg/kg	SW8082	Aroclor-1248	56.4 U	56.4 U	54.6 U	62.9 U	58.2 U	60.2 U	60.5 U	53.7 U	55.2 U	57.5 U
µg/kg	SW8082	Aroclor-1254	404	368	289	984	253	442	1380	112	55.2 U	324
µg/kg	SW8082	Aroclor-1260	56.4 U	56.4 U	54.6 U	62.9 U	58.2 U	60.2 U	60.5 U	53.7 U	55.2 U	57.5 U
µg/kg	SW8082	Aroclor-1262	56.4 U	56.4 U	54.6 U	62.9 U	58.2 U	60.2 U	60.5 U	53.7 U	55.2 U	57.5 U
µg/kg	SW8082	Aroclor-1268	56.4 U	56.4 U	54.6 U	62.9 U	58.2 U	60.2 U	60.5 U	53.7 U	55.2 U	57.5 U
µg/kg	SW8082	Total PCBs	404	368	289	984	253	442	1380	112	55.2 U	324

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS525120XX SS-525 9/16/2020 240-136677-1	SS523010XX SS-523 9/16/2020 240-136678-1	SS523120XX SS-523 9/16/2020 240-136678-1	SS524010XX SS-524 9/16/2020 240-136678-1	SS524113XX SS-524 9/16/2020 240-136678-1	SB517005XX SB-517 9/15/2020 240-136696-1	SB517025XX SB-517 9/15/2020 240-136696-1	SB517060X SB-517 9/15/2020 240-136696-1	SB517080XX SB-517 9/15/2020 240-136696-1	SB518005XX SB-518 9/15/2020 240-136696-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	52.7 U	61.2 U	56.1 U	65.1 U	59.5 U	11800 U	51.2 U	58.6 U	58.0 U	131000 U
µg/kg	SW8082	Aroclor-1221	52.7 U	61.2 U	56.1 U	65.1 U	59.5 U	11800 U	51.2 U	58.6 U	58.0 U	131000 U
µg/kg	SW8082	Aroclor-1232	52.7 U	61.2 U	56.1 U	65.1 U	59.5 U	11800 U	51.2 U	58.6 U	58.0 U	131000 U
µg/kg	SW8082	Aroclor-1242	52.7 U	61.2 U	56.1 U	65.1 U	59.5 U	11800 U	51.2 U	58.6 U	58.0 U	131000 U
µg/kg	SW8082	Aroclor-1248	52.7 U	61.2 U	56.1 U	65.1 U	59.5 U	11800 U	51.2 U	58.6 U	58.0 U	131000 U
µg/kg	SW8082	Aroclor-1254	218	126	168	190	197	156000	170	58.6 U	58.0 U	1030000
µg/kg	SW8082	Aroclor-1260	52.7 U	61.2 U	56.1 U	65.1 U	59.5 U	11800 U	51.2 U	58.6 U	58.0 U	131000 U
µg/kg	SW8082	Aroclor-1262	52.7 U	61.2 U	56.1 U	65.1 U	59.5 U	11800 U	51.2 U	58.6 U	58.0 U	131000 U
µg/kg	SW8082	Aroclor-1268	52.7 U	61.2 U	56.1 U	65.1 U	59.5 U	11800 U	51.2 U	58.6 U	58.0 U	131000 U
µg/kg	SW8082	Total PCBs	218	126	168	190	197	156000	170	58.6 U	58.0 U	1030000

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB518025XX	SB518050XX	SB518065XX	SB518080XX	SB519005XX	SB519025XX	SS526010XX	SS526010FD	SS526116XX	SS527010XX
Location			SB-518	SB-518	SB-518	SB-518	SB-519	SB-519	SS-526	SS-526	SS-526	SS-527
Sample Date			9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020
Sample Delivery group			240-136696-1	240-136696-1	240-136696-1	240-136696-1	240-136696-1	240-136696-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	53.2 U	54.1 U	53.5 U	57.3 U	12800 U	539 U	58.5 U	59.5 U	57.4 U	62.7 U
µg/kg	SW8082	Aroclor-1221	53.2 U	54.1 U	53.5 U	57.3 U	12800 U	539 U	58.5 U	59.5 U	57.4 U	62.7 U
µg/kg	SW8082	Aroclor-1232	53.2 U	54.1 U	53.5 U	57.3 U	12800 U	539 U	58.5 U	59.5 U	57.4 U	62.7 U
µg/kg	SW8082	Aroclor-1242	53.2 U	54.1 U	88.2	57.3 U	12800 U	539 U	58.5 U	59.5 U	57.4 U	62.7 U
µg/kg	SW8082	Aroclor-1248	53.2 U	54.1 U	53.5 U	57.3 U	12800 U	539 U	58.5 U	59.5 U	57.4 U	62.7 U
µg/kg	SW8082	Aroclor-1254	156	117	278	112	38100	4240	642 J	1140 J	400	88.8
µg/kg	SW8082	Aroclor-1260	53.2 U	54.1 U	53.5 U	57.3 U	12800 U	539 U	58.5 U	59.5 U	57.4 U	62.7 U
µg/kg	SW8082	Aroclor-1262	53.2 U	54.1 U	53.5 U	57.3 U	12800 U	539 U	58.5 U	59.5 U	57.4 U	62.7 U
µg/kg	SW8082	Aroclor-1268	53.2 U	54.1 U	53.5 U	57.3 U	12800 U	539 U	58.5 U	59.5 U	57.4 U	62.7 U
µg/kg	SW8082	Total PCBs	156	117	366	112	38100	4240	642 J	1140 J	400	88.8

Notes:

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Italic and grey = non validated

TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SS527118XX	SS528010XX	SS528115XX	SS529010XX	SS529120XX	SS530010XX	SS530115XX	SS531010XX	SS531113XX	SS532010XX
Location			SS-527	SS-528	SS-528	SS-529	SS-529	SS-530	SS-530	SS-531	SS-531	SS-532
Sample Date			9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020
Sample Delivery group			240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	59.3 U	55.9 U	56.4 U	289 U	61.7 U	56.3 U	54.9 U	55.2 U	53.8 U	57.4 U
µg/kg	SW8082	Aroclor-1221	59.3 U	55.9 U	56.4 U	289 U	61.7 U	56.3 U	54.9 U	55.2 U	53.8 U	57.4 U
µg/kg	SW8082	Aroclor-1232	59.3 U	55.9 U	56.4 U	289 U	61.7 U	56.3 U	54.9 U	55.2 U	53.8 U	57.4 U
µg/kg	SW8082	Aroclor-1242	59.3 U	55.9 U	56.4 U	289 U	61.7 U	56.3 U	54.9 U	55.2 U	53.8 U	57.4 U
µg/kg	SW8082	Aroclor-1248	59.3 U	55.9 U	56.4 U	289 U	61.7 U	56.3 U	54.9 U	55.2 U	53.8 U	57.4 U
µg/kg	SW8082	Aroclor-1254	79.3	262	403	1990	822	388	59.1	329	231	1700
µg/kg	SW8082	Aroclor-1260	59.3 U	55.9 U	56.4 U	289 U	61.7 U	56.3 U	54.9 U	55.2 U	53.8 U	57.4 U
µg/kg	SW8082	Aroclor-1262	59.3 U	55.9 U	56.4 U	289 U	61.7 U	56.3 U	54.9 U	55.2 U	53.8 U	57.4 U
µg/kg	SW8082	Aroclor-1268	59.3 U	55.9 U	56.4 U	289 U	61.7 U	56.3 U	54.9 U	55.2 U	53.8 U	57.4 U
µg/kg	SW8082	Total PCBs	79.3	262	403	1990	822	388	59.1	329	231	1700

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SS533010XX	SS533115XX	SS534010XX	SS534118XX	SS535010XX	SS536010XX	SS536120XX	SS537010XX	SS537010FD	SS537120XX
Location			SS-533	SS-533	SS-534	SS-534	SS-535	SS-536	SS-536	SS-537	SS-537	SS-537
Sample Date			9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/18/2020	9/18/2020	9/18/2020
Sample Delivery group			240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136798-1	240-136870-1	240-136870-1	240-136870-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	2800 U	2890 U	58.1 U	58.2 U	61.0 U	610 U	598 U	57.7 U	57.7 U	57.6 U
µg/kg	SW8082	Aroclor-1221	2800 U	2890 U	58.1 U	58.2 U	61.0 U	610 U	598 U	57.7 U	57.7 U	57.6 U
µg/kg	SW8082	Aroclor-1232	2800 U	2890 U	58.1 U	58.2 U	61.0 U	610 U	598 U	57.7 U	57.7 U	57.6 U
µg/kg	SW8082	Aroclor-1242	2800 U	2890 U	58.1 U	58.2 U	61.0 U	610 U	598 U	57.7 U	57.7 U	57.6 U
µg/kg	SW8082	Aroclor-1248	2800 U	2890 U	58.1 U	58.2 U	61.0 U	610 U	598 U	57.7 U	57.7 U	57.6 U
µg/kg	SW8082	Aroclor-1254	26200	32700	290	237	81.4	7160	6930	304	236	135
µg/kg	SW8082	Aroclor-1260	2800 U	2890 U	58.1 U	58.2 U	61.0 U	610 U	598 U	57.7 UJ	57.7 U	57.6 U
µg/kg	SW8082	Aroclor-1262	2800 U	2890 U	58.1 U	58.2 U	61.0 U	610 U	598 U	57.7 U	57.7 U	57.6 U
µg/kg	SW8082	Aroclor-1268	2800 U	2890 U	58.1 U	58.2 U	61.0 U	610 U	598 U	57.7 U	57.7 U	57.6 U
µg/kg	SW8082	Total PCBs	26200	32700	290	237	81.4	7160	6930	304	236	135

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SS538010XX	SS538117XX	SS539010XX	SS539115XX	SS540010XX	SS541010XX	SS541120XX	SS542010XX	SS542113XX	SS543007XX
Location			SS-538	SS-538	SS-539	SS-539	SS-540	SS-541	SS-541	SS-542	SS-542	SS-543
Sample Date			9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020
Sample Delivery group			240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136870-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	53.2 U	53.7 U	50.4 U	264 U	50.5 U
µg/kg	SW8082	Aroclor-1221	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	53.2 U	53.7 U	50.4 U	264 U	50.5 U
µg/kg	SW8082	Aroclor-1232	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	53.2 U	53.7 U	50.4 U	264 U	50.5 U
µg/kg	SW8082	Aroclor-1242	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	53.2 U	53.7 U	50.4 U	264 U	50.5 U
µg/kg	SW8082	Aroclor-1248	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	53.2 U	53.7 U	50.4 U	264 U	50.5 U
µg/kg	SW8082	Aroclor-1254	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	67.7	158	489	1110	241
µg/kg	SW8082	Aroclor-1260	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	53.2 U	53.7 U	50.4 U	264 U	50.5 U
µg/kg	SW8082	Aroclor-1262	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	53.2 U	53.7 U	50.4 U	264 U	50.5 U
µg/kg	SW8082	Aroclor-1268	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	53.2 U	53.7 U	50.4 U	264 U	50.5 U
µg/kg	SW8082	Total PCBs	55.9 U	52.9 U	54.1 U	52.2 U	1100 U	67.7	158	489	1110	241

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SS544010XX	SS544010FD	SS544115XX	SS545010XX	SS545113XX	SS546010XX	SS546120XX	SB523040XX	SB523050XX	SB523060XX
Location			SS-544	SS-544	SS-544	SS-545	SS-545	SS-546	SS-546	SB-523	SB-523	SB-523
Sample Date			9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/17/2020	9/17/2020	9/17/2020
Sample Delivery group			240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136870-1	240-136927-1	240-136927-1	240-136927-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	52.2 U	52.0 U	54.3 U	56.7 U	57.8 U	56.2 U	52.8 U	52.1 U	53.9 U	52.7 U
µg/kg	SW8082	Aroclor-1221	52.2 U	52.0 U	54.3 U	56.7 U	57.8 U	56.2 U	52.8 U	52.1 U	53.9 U	52.7 U
µg/kg	SW8082	Aroclor-1232	52.2 U	52.0 U	54.3 U	56.7 U	57.8 U	56.2 U	52.8 U	52.1 U	53.9 U	52.7 U
µg/kg	SW8082	Aroclor-1242	52.2 U	52.0 U	54.3 U	56.7 U	57.8 U	56.2 U	52.8 U	52.1 U	53.9 U	52.7 U
µg/kg	SW8082	Aroclor-1248	52.2 U	52.0 U	54.3 U	56.7 U	57.8 U	56.2 U	52.8 U	52.1 U	53.9 U	52.7 U
µg/kg	SW8082	Aroclor-1254	52.2 U	52.0 U	54.3 U	310	158	56.2 U	55.7	52.1 U	159	203
µg/kg	SW8082	Aroclor-1260	52.2 U	52.0 U	54.3 U	56.7 U	57.8 U	56.2 U	52.8 U	52.1 U	53.9 U	52.7 U
µg/kg	SW8082	Aroclor-1262	52.2 U	52.0 U	54.3 U	56.7 U	57.8 U	56.2 U	52.8 U	52.1 U	53.9 U	52.7 U
µg/kg	SW8082	Aroclor-1268	52.2 U	52.0 U	54.3 U	56.7 U	57.8 U	56.2 U	52.8 U	52.1 U	53.9 U	52.7 U
µg/kg	SW8082	Total PCBs	52.2 U	52.0 U	54.3 U	310	158	56.2 U	55.7	52.1 U	159	203

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB524040XX	SB524050XX	SB524060XX	SB525040XX	SB525050XX	SB525060XX	SB526040XX	SB526050XX	SB526070XX	SB527010XX
Location			SB-524	SB-524	SB-524	SB-525	SB-525	SB-525	SB-526	SB-526	SB-526	SB-527
Sample Date			9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020
Sample Delivery group			240-136927-1	240-136927-1	240-136927-1	240-136927-1	240-136927-1	240-136927-1	240-136927-1	240-136927-1	240-136927-1	240-136927-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	51.5 U	58.9 U	53.3 U	266 U	55.4 U	54.7 U	52.1 U	50.9 U	58.4 U	548 U
µg/kg	SW8082	Aroclor-1221	51.5 U	58.9 U	53.3 U	266 U	55.4 U	54.7 U	52.1 U	50.9 U	58.4 U	548 U
µg/kg	SW8082	Aroclor-1232	51.5 U	58.9 U	53.3 U	266 U	55.4 U	54.7 U	52.1 U	50.9 U	58.4 U	548 U
µg/kg	SW8082	Aroclor-1242	51.5 U	58.9 U	53.3 U	266 U	55.4 U	54.7 U	52.1 U	50.9 U	58.4 U	548 U
µg/kg	SW8082	Aroclor-1248	51.5 U	58.9 U	234	266 U	55.4 U	54.7 U	52.1 U	50.9 U	58.4 U	548 U
µg/kg	SW8082	Aroclor-1254	51.5 U	174	53.3 U	1570	376	54.7 U	52.1 U	64.4	58.4 U	11100
µg/kg	SW8082	Aroclor-1260	51.5 U	58.9 U	53.3 U	266 U	55.4 U	54.7 U	52.1 U	50.9 U	58.4 U	548 U
µg/kg	SW8082	Aroclor-1262	51.5 U	58.9 U	53.3 U	266 U	55.4 U	54.7 U	52.1 U	50.9 U	58.4 U	548 U
µg/kg	SW8082	Aroclor-1268	51.5 U	58.9 U	53.3 U	266 U	55.4 U	54.7 U	52.1 U	50.9 U	58.4 U	548 U
µg/kg	SW8082	Total PCBs	51.5 U	174	234	1570	376	54.7 U	52.1 U	64.4	58.4 U	11100

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SB527020XX SB-527 9/17/2020 240-136927-1	SB528010XX SB-528 9/17/2020 240-136927-1	SB528020XX SB-528 9/17/2020 240-136927-1	SB529010XX SB-529 9/17/2020 240-136927-1	SB529020XX SB-529 9/17/2020 240-136927-1	SB529030XX SB-529 9/17/2020 240-136927-1	SB529070XX SB-529 9/17/2020 240-136927-1	SB529110XX SB-529 9/17/2020 240-136927-1	SB530010XX SB-530 9/17/2020 240-136927-1	SB530020XX SB-530 9/17/2020 240-136927-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	60.3 U	256 U	51.6 U	559 U	58.9 U	70.6 U	60.2 U	55.0 U	257 U	51.1 U
µg/kg	SW8082	Aroclor-1221	60.3 U	256 U	51.6 U	559 U	58.9 U	70.6 U	60.2 U	55.0 U	257 U	51.1 U
µg/kg	SW8082	Aroclor-1232	60.3 U	256 U	51.6 U	559 U	58.9 U	70.6 U	60.2 U	55.0 U	257 U	51.1 U
µg/kg	SW8082	Aroclor-1242	60.3 U	256 U	51.6 U	559 U	58.9 U	70.6 U	60.2 U	55.0 U	257 U	51.1 U
µg/kg	SW8082	Aroclor-1248	60.3 U	256 U	51.6 U	559 U	58.9 U	70.6 U	60.2 U	55.0 U	257 U	51.1 U
µg/kg	SW8082	Aroclor-1254	79.1	3120	201	6820	161	70.6 U	60.2 U	55.0 U	3170	97.3
µg/kg	SW8082	Aroclor-1260	60.3 U	256 U	51.6 U	559 U	58.9 U	70.6 U	60.2 U	55.0 U	257 U	51.1 U
µg/kg	SW8082	Aroclor-1262	60.3 U	256 U	51.6 U	559 U	58.9 U	70.6 U	60.2 U	55.0 U	257 U	51.1 U
µg/kg	SW8082	Aroclor-1268	60.3 U	256 U	51.6 U	559 U	58.9 U	70.6 U	60.2 U	55.0 U	257 U	51.1 U
µg/kg	SW8082	Total PCBs	79.1	3120	201	6820	161	70.6 U	60.2 U	55.0 U	3170	97.3

Notes:

U = undetected

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB530030XX	SB530050XX	SB530060XX	SB530110XX	SB530140XX	SB530160XX	SS551010XX	SS551112XX	SS552010XX	SS552120XX
Location			SB-530	SB-530	SB-530	SB-530	SB-530	SB-530	SS-551	SS-551	SS-552	SS-552
Sample Date			9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/17/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020
Sample Delivery group			240-136927-1	240-136927-1	240-136927-1	240-136927-1	240-136927-1	240-136927-1	240-136928-1	240-136928-1	240-136928-1	240-136928-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	316 U	271 U	60.3 U	54.7 U	52.4 U	54.2 U	1130 U	571 U	289 U	281 UJ
µg/kg	SW8082	Aroclor-1221	316 U	271 U	60.3 U	54.7 U	52.4 U	54.2 U	1130 U	571 U	289 U	281 UJ
µg/kg	SW8082	Aroclor-1232	316 U	271 U	60.3 U	54.7 U	52.4 U	54.2 U	1130 U	571 U	289 U	281 UJ
µg/kg	SW8082	Aroclor-1242	316 U	271 U	60.3 U	54.7 U	52.4 U	54.2 U	1130 U	571 U	289 U	281 UJ
µg/kg	SW8082	Aroclor-1248	316 U	271 U	60.3 U	54.7 U	52.4 U	54.2 U	1130 U	571 U	289 U	281 UJ
µg/kg	SW8082	Aroclor-1254	3030	1620	60.3 U	54.7 U	52.4 U	54.2 U	13600	5680	2580	1280 J-
µg/kg	SW8082	Aroclor-1260	316 U	271 U	60.3 U	54.7 U	52.4 U	54.2 U	1130 U	571 U	289 U	281 UJ
µg/kg	SW8082	Aroclor-1262	316 U	271 U	60.3 U	54.7 U	52.4 U	54.2 U	1130 U	571 U	289 U	281 UJ
µg/kg	SW8082	Aroclor-1268	316 U	271 U	60.3 U	54.7 U	52.4 U	54.2 U	1130 U	571 U	289 U	281 UJ
µg/kg	SW8082	Total PCBs	3030	1620	60.3 U	54.7 U	52.4 U	54.2 U	13600	5680	2580	1280 J-

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS553010XX	SS553120XX	SS554010XX	SS554120XX	SS555010XX	SS555118XX	SS556010XX	SS556117XX	SS557010XX	SS557117XX
Units Method Parameter Name			SS-553 9/21/2020 240-136928-1	SS-553 9/21/2020 240-136928-1	SS-554 9/21/2020 240-136928-1	SS-554 9/21/2020 240-136928-1	SS-555 9/21/2020 240-136928-1	SS-555 9/21/2020 240-136928-1	SS-556 9/21/2020 240-136928-1	SS-556 9/21/2020 240-136928-1	SS-557 9/21/2020 240-136928-1	SS-557 9/21/2020 240-136928-1
µg/kg	SW8082	Aroclor-1016	61.5 U	56.5 U	55.8 U	53.3 U	51.5 U	52.3 U	301 U	278 U	58.8 U	55.0 U
µg/kg	SW8082	Aroclor-1221	61.5 U	56.5 U	55.8 U	53.3 U	51.5 U	52.3 U	301 U	278 U	58.8 U	55.0 U
µg/kg	SW8082	Aroclor-1232	61.5 U	56.5 U	55.8 U	53.3 U	51.5 U	52.3 U	301 U	278 U	58.8 U	55.0 U
µg/kg	SW8082	Aroclor-1242	61.5 U	56.5 U	55.8 U	53.3 U	51.5 U	52.3 U	301 U	278 U	58.8 U	55.0 U
µg/kg	SW8082	Aroclor-1248	61.5 U	56.5 U	55.8 U	53.3 U	51.5 U	52.3 U	301 U	278 U	58.8 U	55.0 U
µg/kg	SW8082	Aroclor-1254	75.8	56.5 U	55.8 U	185	51.5 U	52.3 U	1610	1540	295	192
µg/kg	SW8082	Aroclor-1260	61.5 U	56.5 U	55.8 U	53.3 U	51.5 U	52.3 U	301 U	278 U	58.8 U	55.0 U
µg/kg	SW8082	Aroclor-1262	61.5 U	56.5 U	55.8 U	53.3 U	51.5 U	52.3 U	301 U	278 U	58.8 U	55.0 U
µg/kg	SW8082	Aroclor-1268	215 J	56.5 U	55.8 U	53.3 U	51.5 U	52.3 U	301 U	278 U	58.8 U	55.0 U
µg/kg	SW8082	Total PCBs	178	56.5 U	55.8 U	185	51.5 U	52.3 U	1610	1540	295	192

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SS558010XX	SS558120XX	SS559010XX	SS559120XX	SS560010XX	SS560010FD	SS561010XX	SS561115XX	SB531010XX	SB531020XX
Location			SS-558	SS-558	SS-559	SS-559	SS-560	SS-560	SS-561	SS-561	SB-531	SB-531
Sample Date			9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/21/2020	9/18/2020	9/18/2020
Sample Delivery group			240-136928-1	240-136928-1	240-136928-1	240-136928-1	240-136928-1	240-136928-1	240-136928-1	240-136928-1	240-136930-1	240-136930-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	266 U	53.3 U	568 U	56.8 U	282 U	275 U	295 U	287 U	268 U	60.9 U
µg/kg	SW8082	Aroclor-1221	266 U	53.3 U	568 U	56.8 U	282 U	275 U	295 U	287 U	268 U	60.9 U
µg/kg	SW8082	Aroclor-1232	266 U	53.3 U	568 U	56.8 U	282 U	275 U	295 U	287 U	268 U	60.9 U
µg/kg	SW8082	Aroclor-1242	266 U	53.3 U	568 U	56.8 U	282 U	275 U	295 U	287 U	268 U	60.9 U
µg/kg	SW8082	Aroclor-1248	266 U	53.3 U	568 U	56.8 U	282 U	275 U	295 U	287 U	268 U	60.9 U
µg/kg	SW8082	Aroclor-1254	2710	210 J	3000	790 J	1990	1570	2940	1480	1690	272
µg/kg	SW8082	Aroclor-1260	266 U	53.3 U	568 U	56.8 U	282 U	275 U	295 U	287 U	268 U	60.9 U
µg/kg	SW8082	Aroclor-1262	266 U	53.3 U	568 U	56.8 U	282 U	275 U	295 U	287 U	268 U	60.9 U
µg/kg	SW8082	Aroclor-1268	266 U	53.3 U	568 U	56.8 U	282 U	275 U	295 U	287 U	268 U	60.9 U
µg/kg	SW8082	Total PCBs	2710	210	3000	790	1990	1570	2940	1480	1690	272

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB531040XX	SB531070XX	SB531110XX	SB531140XX	SB532010XX	SB532020XX	SB533010XX	SB533020XX	SB534010XX	SB534020XX
Location			SB-531	SB-531	SB-531	SB-531	SB-532	SB-532	SB-533	SB-533	SB-534	SB-534
Sample Date			9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020
Sample Delivery group			240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	59.5 U	54.6 U	53.9 U	53.2 U	551 U	250 U	539 U	271 U	259 U	53.6 U
µg/kg	SW8082	Aroclor-1221	59.5 U	54.6 U	53.9 U	53.2 U	551 U	250 U	539 U	271 U	259 U	53.6 U
µg/kg	SW8082	Aroclor-1232	59.5 U	54.6 U	53.9 U	53.2 U	551 U	250 U	539 U	271 U	259 U	53.6 U
µg/kg	SW8082	Aroclor-1242	59.5 U	54.6 U	53.9 U	53.2 U	551 U	250 U	539 U	271 U	259 U	53.6 U
µg/kg	SW8082	Aroclor-1248	59.5 U	54.6 U	53.9 U	53.2 U	551 U	250 U	539 U	271 U	259 U	53.6 U
µg/kg	SW8082	Aroclor-1254	214	69.9	53.9 U	53.2 U	6080	2660	8680	2570	3470	136
µg/kg	SW8082	Aroclor-1260	59.5 U	54.6 U	53.9 U	53.2 U	551 U	250 U	539 U	271 U	259 U	53.6 U
µg/kg	SW8082	Aroclor-1262	59.5 U	54.6 U	53.9 U	53.2 U	551 U	250 U	539 U	271 U	259 U	53.6 U
µg/kg	SW8082	Aroclor-1268	59.5 U	54.6 U	53.9 U	53.2 U	551 U	250 U	539 U	271 U	259 U	53.6 U
µg/kg	SW8082	Total PCBs	214	69.9	53.9 U	53.2 U	6080	2660	8680	2570	3470	136

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SB534030XX	SB534070XX	SB534100XX	SB534140XX	SB535010XX	SB535020XX	SB535030XX	SB535090XX	SB535120XX	SB535140XX
Location			SB-534	SB-534	SB-534	SB-534	SB-535	SB-535	SB-535	SB-535	SB-535	SB-535
Sample Date			9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020
Sample Delivery group			240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1	240-136930-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	54.3 U	58.8 U	56.2 U	53.9 U	51.3 U	55.1 U	55.3 U	65.2 U	52.1 U	53.7 U
µg/kg	SW8082	Aroclor-1221	54.3 U	58.8 U	56.2 U	53.9 U	51.3 U	55.1 U	55.3 U	65.2 U	52.1 U	53.7 U
µg/kg	SW8082	Aroclor-1232	54.3 U	58.8 U	56.2 U	53.9 U	51.3 U	55.1 U	55.3 U	65.2 U	52.1 U	53.7 U
µg/kg	SW8082	Aroclor-1242	54.3 U	58.8 U	56.2 U	53.9 U	51.3 U	55.1 U	55.3 U	65.2 U	52.1 U	53.7 U
µg/kg	SW8082	Aroclor-1248	54.3 U	58.8 U	56.2 U	53.9 U	51.3 U	55.1 U	55.3 U	65.2 U	52.1 U	53.7 U
µg/kg	SW8082	Aroclor-1254	159	58.8 U	56.2 U	53.9 U	293	236	247	65.2 U	52.1 U	53.7 U
µg/kg	SW8082	Aroclor-1260	54.3 UJ	58.8 UJ	56.2 UJ	53.9 UJ	51.3 UJ	55.1 UJ	55.3 UJ	65.2 UJ	52.1 UJ	53.7 U
µg/kg	SW8082	Aroclor-1262	54.3 U	58.8 U	56.2 U	53.9 U	51.3 U	55.1 U	55.3 U	65.2 U	52.1 U	53.7 U
µg/kg	SW8082	Aroclor-1268	54.3 U	58.8 U	56.2 U	53.9 U	51.3 U	55.1 U	55.3 U	65.2 U	52.1 U	53.7 U
µg/kg	SW8082	Total PCBs	159	58.8 U	56.2 U	53.9 U	293	236	247	65.2 U	52.1 U	53.7 U

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID			SS547010XX	SS547118XX	SS548010XX	SS548120XX	SS549010XX	SS550117XX	SS562010XX	SS562119XX	SS562119FD	SS563010XX
Location			SS-547	SS-547	SS-548	SS-548	SS-549	SS-550	SS-562	SS-562	SS-562	SS-563
Sample Date			9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/18/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020
Sample Delivery group			240-136981-1	240-136981-1	240-136981-1	240-136981-1	240-136981-1	240-136981-1	240-136981-1	240-136981-1	240-136981-1	240-136981-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	298 U	282 U	53.1 U	536 U	601 U	668 U	58.2 U	56.5 U	58.3 U	53.8 U
µg/kg	SW8082	Aroclor-1221	298 U	282 U	53.1 U	536 U	601 U	668 U	58.2 U	56.5 U	58.3 U	53.8 U
µg/kg	SW8082	Aroclor-1232	298 U	282 U	53.1 U	536 U	601 U	668 U	58.2 U	56.5 U	58.3 U	53.8 U
µg/kg	SW8082	Aroclor-1242	298 U	282 U	53.1 U	536 U	601 U	668 U	58.2 U	56.5 U	58.3 U	53.8 U
µg/kg	SW8082	Aroclor-1248	298 U	282 U	53.1 U	536 U	601 U	668 U	58.2 U	56.5 U	58.3 U	53.8 U
µg/kg	SW8082	Aroclor-1254	1470	1860	876	3150	5430	3980	875	451	489	830
µg/kg	SW8082	Aroclor-1260	298 UJ	282 UJ	53.1 UJ	536 UJ	601 UJ	668 UJ	58.2 U	56.5 U	58.3 U	53.8 U
µg/kg	SW8082	Aroclor-1262	298 U	282 U	53.1 U	536 U	601 U	668 U	58.2 U	56.5 U	58.3 U	53.8 U
µg/kg	SW8082	Aroclor-1268	298 U	282 U	53.1 U	536 U	601 U	668 U	58.2 U	56.5 U	58.3 U	53.8 U
µg/kg	SW8082	Total PCBs	1470	1860	876	3150	5430	3980	875	451	489	830

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS563010FD SS-563 9/22/2020 240-136981-1	SS563116XX SS-563 9/22/2020 240-136981-1	SS564010XX SS-564 9/22/2020 240-136981-1	SS564117XX SS-564 9/22/2020 240-136981-1	SS565010XX SS-565 9/22/2020 240-136981-1	SS565120XX SS-565 9/22/2020 240-136981-1	SS566010XX SS-566 9/22/2020 240-136981-1	SS566113XX SS-566 9/22/2020 240-136981-1	SS567010XX SS-567 9/22/2020 240-136981-1	SS567114XX SS-567 9/22/2020 240-136981-1
Units	Method	Parameter Name										
µg/kg	SW8082	Aroclor-1016	56.7 U	54.9 U	2810 U	268 U	54.3 U	55.8 U	266 U	261 U	57.8 U	55.1 U
µg/kg	SW8082	Aroclor-1221	56.7 U	54.9 U	2810 U	268 U	54.3 U	55.8 U	266 U	261 U	57.8 U	55.1 U
µg/kg	SW8082	Aroclor-1232	56.7 U	54.9 U	2810 U	268 U	54.3 U	55.8 U	266 U	261 U	57.8 U	55.1 U
µg/kg	SW8082	Aroclor-1242	56.7 U	54.9 U	2810 U	268 U	54.3 U	55.8 U	266 U	261 U	57.8 U	55.1 U
µg/kg	SW8082	Aroclor-1248	56.7 U	54.9 U	2810 U	268 U	54.3 U	55.8 U	266 U	261 U	57.8 U	55.1 U
µg/kg	SW8082	Aroclor-1254	803	621	3260	2090	231	55.8 U	1600	2830	444	666
µg/kg	SW8082	Aroclor-1260	56.7 U	54.9 U	2810 U	268 U	54.3 U	55.8 U	266 U	261 U	57.8 U	55.1 U
µg/kg	SW8082	Aroclor-1262	56.7 U	54.9 U	2810 U	268 U	54.3 U	55.8 U	266 U	261 U	57.8 U	55.1 U
µg/kg	SW8082	Aroclor-1268	56.7 U	54.9 U	2810 U	268 U	54.3 U	55.8 U	266 U	261 U	57.8 U	55.1 U
µg/kg	SW8082	Total PCBs	803	621	3260	2090	231	55.8 U	1600	2830	444	666

Notes:

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TABLE 4
FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS568010XX SS-568 9/22/2020 240-136981-1	SS568112XX SS-568 9/22/2020 240-136981-1	SS569010XX SS-569 9/22/2020 240-136981-1	SS569120XX SS-569 9/22/2020 240-136981-1	SS570010XX SS-570 9/22/2020 240-136981-1	SS570113XX SS-570 9/22/2020 240-136981-1	CRM D108-726-492 QC 1 CRM D108-726-492 QC 1 9/25/2020 240-137156-1	CRM D108-726-492 QC 2 CRM D108-726-492 QC 2 9/25/2020 240-137156-2
Units	Method	Parameter Name								
µg/kg	SW8082	Aroclor-1016	281 U	272 U	548 U	1120 U	284 U	57.7 U	500 U	500 U
µg/kg	SW8082	Aroclor-1221	281 U	272 U	548 U	1120 U	284 U	57.7 U	500 U	500 U
µg/kg	SW8082	Aroclor-1232	281 U	272 U	548 U	1120 U	284 U	57.7 U	500 U	500 U
µg/kg	SW8082	Aroclor-1242	281 U	272 U	548 U	1120 U	284 U	57.7 U	500 U	500 U
µg/kg	SW8082	Aroclor-1248	281 U	272 U	548 U	1120 U	284 U	57.7 U	500 U	500 U
µg/kg	SW8082	Aroclor-1254	2280	1920	8370	13700	284 U	1260	9560	8990
µg/kg	SW8082	Aroclor-1260	281 U	272 U	548 U	1120 U	758	57.7 U	500 U	500 U
µg/kg	SW8082	Aroclor-1262	281 U	272 U	548 U	1120 U	284 U	57.7 U	500 U	500 U
µg/kg	SW8082	Aroclor-1268	281 U	272 U	548 U	1120 U	284 U	57.7 U	500 U	500 U
µg/kg	SW8082	Total PCBs	2280	1920	8370	13700	758	1260	9560	8990

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FINAL RESULTS
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			EB001_091520 QC 9/15/2020 240-136605-1	FB001_091520 QC 9/15/2020 240-136605-1	EB-DP_091820 QC 9/18/2020 240-136930-1
Units	Method	Parameter Name			
µg/l	SW8082	Aroclor 1016	0.102 U	0.111 U	0.0971 U
µg/l	SW8082	Aroclor 1221	0.102 U	0.111 U	0.0971 U
µg/l	SW8082	Aroclor 1232	0.102 U	0.111 U	0.0971 U
µg/l	SW8082	Aroclor 1242	0.102 U	0.111 U	0.135
µg/l	SW8082	Aroclor 1248	0.102 U	0.111 U	0.0971 U
µg/l	SW8082	Aroclor 1254	0.102 U	0.111 U	0.0673 J
µg/l	SW8082	Aroclor 1260	0.102 U	0.111 U	0.0971 U
µg/l	SW8082	Aroclor 1260	0.102 U	0.111 U	0.0971 U
µg/l	SW8082	Aroclor 1262	0.102 U	0.111 U	0.0971 U
µg/l	SW8082	Aroclor 1268	0.102 U	0.111 U	0.202

Notes:

U = undetected

J = estimated value

TABLE 5
FIELD DUPLICATE SUMMARY
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS511117XX SS-511 9/15/2020 240-136605-1	SS511117FD SS-511 9/15/2020 240-136605-1		SB509045XX SB-509 9/14/2020 240-136609-1	SB509045FD SB-509 9/14/2020 240-136609-1		SB521050XX SB-521 9/16/2020 240-136659-1	SB521050XD SB-521 9/16/2020 240-136659-1	
Units	Method	Parameter Name			RPD			RPD			RPD
µg/kg	SW8082	Aroclor-1016	56.9 U	59.5 U		52.9 U	55.4 U		54.2 U	55.3 U	
µg/kg	SW8082	Aroclor-1221	56.9 U	59.5 U		52.9 U	55.4 U		54.2 U	55.3 U	
µg/kg	SW8082	Aroclor-1232	56.9 U	59.5 U		52.9 U	55.4 U		54.2 U	55.3 U	
µg/kg	SW8082	Aroclor-1242	56.9 U	59.5 U		52.9 U	55.4 U		54.2 U	55.3 U	
µg/kg	SW8082	Aroclor-1248	56.9 U	59.5 U		52.9 U	55.4 U		54.2 U	55.3 U	
µg/kg	SW8082	Aroclor-1254	345	401	-15	52.9 U	55.4 U		75.9 J	55.3 UJ	*
µg/kg	SW8082	Aroclor-1260	56.9 U	59.5 U		52.9 U	55.4 U		54.2 U	55.3 U	
µg/kg	SW8082	Aroclor-1262	56.9 U	59.5 U		52.9 U	55.4 U		54.2 U	55.3 U	
µg/kg	SW8082	Aroclor-1268	56.9 U	59.5 U		52.9 U	55.4 U		54.2 U	55.3 U	
µg/kg	SW8082	Total PCBs	345	401		52.9 U	55.4 U		75.9	55.3 U	

Notes:

U = undetected

J = estimated value

J- = estimated value with low bias

Italic and grey = non validated data

TABLE 5
FIELD DUPLICATE SUMMARY
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS526010XX SS-526 9/17/2020 240-136798-1	SS526010FD SS-526 9/17/2020 240-136798-1		SS537010XX SS-537 9/18/2020 240-136870-1	SS537010FD SS-537 9/18/2020 240-136870-1		SS544010XX SS-544 9/18/2020 240-136870-1	SS544010FD SS-544 9/18/2020 240-136870-1	
Units	Method	Parameter Name			RPD			RPD			RPD
µg/kg	SW8082	Aroclor-1016	58.5 U	59.5 U		57.7 U	57.7 U		52.2 U	52.0 U	
µg/kg	SW8082	Aroclor-1221	58.5 U	59.5 U		57.7 U	57.7 U		52.2 U	52.0 U	
µg/kg	SW8082	Aroclor-1232	58.5 U	59.5 U		57.7 U	57.7 U		52.2 U	52.0 U	
µg/kg	SW8082	Aroclor-1242	58.5 U	59.5 U		57.7 U	57.7 U		52.2 U	52.0 U	
µg/kg	SW8082	Aroclor-1248	58.5 U	59.5 U		57.7 U	57.7 U		52.2 U	52.0 U	
µg/kg	SW8082	Aroclor-1254	642 J	1140 J	-56	304	236	25	52.2 U	52.0 U	
µg/kg	SW8082	Aroclor-1260	58.5 U	59.5 U		57.7 UJ	57.7 U		52.2 U	52.0 U	
µg/kg	SW8082	Aroclor-1262	58.5 U	59.5 U		57.7 U	57.7 U		52.2 U	52.0 U	
µg/kg	SW8082	Aroclor-1268	58.5 U	59.5 U		57.7 U	57.7 U		52.2 U	52.0 U	
µg/kg	SW8082	Total PCBs	642 J	1140 J		304	236		52.2 U	52.0 U	

Notes:

U = undetected

J = estimated value

J- = estimated value with low bias

Italic and grey = non validated dat

TABLE 5
FIELD DUPLICATE SUMMARY
DATA VALIDATION SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK

Field Sample ID Location Sample Date Sample Delivery group			SS560010XX SS-560 9/21/2020 240-136928-1	SS560010FD SS-560 9/21/2020 240-136928-1		SS562119XX SS-562 9/22/2020 240-136981-1	SS562119FD SS-562 9/22/2020 240-136981-1		SS563010XX SS-563 9/22/2020 240-136981-1	SS563010FD SS-563 9/22/2020 240-136981-1	
Units	Method	Parameter Name			RPD			RPD			RPD
µg/kg	SW8082	Aroclor-1016	282 U	275 U		56.5 U	58.3 U		53.8 U	56.7 U	
µg/kg	SW8082	Aroclor-1221	282 U	275 U		56.5 U	58.3 U		53.8 U	56.7 U	
µg/kg	SW8082	Aroclor-1232	282 U	275 U		56.5 U	58.3 U		53.8 U	56.7 U	
µg/kg	SW8082	Aroclor-1242	282 U	275 U		56.5 U	58.3 U		53.8 U	56.7 U	
µg/kg	SW8082	Aroclor-1248	282 U	275 U		56.5 U	58.3 U		53.8 U	56.7 U	
µg/kg	SW8082	Aroclor-1254	1990	1570	24	451	489	-8	830	803	3
µg/kg	SW8082	Aroclor-1260	282 U	275 U		56.5 U	58.3 U		53.8 U	56.7 U	
µg/kg	SW8082	Aroclor-1262	282 U	275 U		56.5 U	58.3 U		53.8 U	56.7 U	
µg/kg	SW8082	Aroclor-1268	282 U	275 U		56.5 U	58.3 U		53.8 U	56.7 U	
µg/kg	SW8082	Total PCBs	1990	1570		451	489		830	803	

Notes:

U = undetected

J = estimated value

J- = estimated value with low bias

Italic and grey = non validated dat

**DATA USABILITY SUMMARY REPORT
SEPTEMBER 2020 SUPPLEMENTAL INVESTIGATION SOIL
REMEDIAL ACTION
OLD CHENANGO CANAL SITE
UTICA, NEW YORK**

ATTACHMENT 1
ERA Certificate for Certified Reference Material



A Waters Company

Data Pack™ Certification Sheet(s)

The data contained in this section of the Data Pack™ contains all of the certification sheets for the quality control samples that you have ordered.

If you have any questions concerning the data listed in this portion of your Data Pack™ please feel free to call ERA's Technical Staff at 1-800-372-0122.





A Waters Company

Certified Reference Material

• Certificate of Analysis •

Product: PCBs in Soil Aroclor 1254 Low
Catalog Number: 492
Lot No: D108-726-492
Certificate Issue Date: February 3, 2020
Expiration Date: August 9, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #492 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹ mg/kg	Uncertainty ² %	QC Performance Acceptance Limits ³ mg/kg	PT Performance Acceptance Limits ⁴ mg/kg
Aroclor 1016	<0.100	-	-	-
Aroclor 1221	<0.100	-	-	-
Aroclor 1232	<0.100	-	-	-
Aroclor 1242	<0.100	-	-	-
Aroclor 1248	<0.100	-	-	-
Aroclor 1254	11.7	4.65	4.56 - 14.6	2.78 - 16.3
Aroclor 1260	<0.100	-	-	-

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹ mg/kg	Proficiency Testing Study		NIST Traceability		
		Mean mg/kg	Recovery ⁵ %	n	SRM Number	Recovery %
Aroclor 1016	<0.100	-	-	-	-	-
Aroclor 1221	<0.100	-	-	-	-	-
Aroclor 1232	<0.100	-	-	-	-	-
Aroclor 1242	<0.100	-	-	-	-	-
Aroclor 1248	<0.100	-	-	-	-	-
Aroclor 1254	11.7	9.56	81.7	66	-	-
Aroclor 1260	<0.100	-	-	-	-	-

Certified Reference Material

▪ Certificate of Analysis ▪

1. The **Certified Value** is the actual gravimetric/volumetric "made-to" concentration confirmed by ERA analytical verification. The certified value is monitored and the purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}}^2) + (U_{\text{homogen}}^2) + (U_{\text{LTS}}^2) + (U_{\text{STS}}^2) + (U_{\text{RSS}}^2))$$

Where:

U_{expanded} = Expanded uncertainty.

k = Coverage factor.

U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.

U_{homogen} = Standard uncertainty of the homogeneity assessment.

U_{LTS} = Standard uncertainty associated with long-term stability.

U_{STS} = Standard uncertainty associated with short-term (transport) stability.

U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed.

Analytical Traceability Recovery (%) = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$

The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.

7. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

8. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck

