C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

September 17, 2015 ***VIA EMAIL***

Mr. Robert J. Holzman, Senior Project Manager
Elan Planning, Design & Landscape Architecture, PLLC
18 Division Street, Studio 304
Saratoga Springs, New York 12866

RE: Summary of Surface Water and Sediment Sampling—Summit Reservoir
Step 2 BOA for Summit Reservoir Area Revitalization Plan
C.T. Male Project No. 15.5270

Dear Mr. Holzman:

This letter report serves to summarize the results of surface water and sediment sampling associated with the Summit Reservoir. Work was done in accordance with our contract dated April 30, 2015, specifically Task 1. The objective of this preliminary sampling was to provide a cost-effective, preliminary assessment of the suite of potential contaminants that may be present in surface water and sediments associated with the Summit Reservoir.

Historical Results

Historical New York State Department of Environmental Conservation (NYSDEC) water quality assessments in the vicinity of Summit Reservoir are limited to a 2002 biological (macroinvertebrate) assessment of Agawamuck Creek above the Village of Philmont at Stevers Crossing Road[1]. Field results at that time indicated non-impacted water quality conditions with diverse fauna.

2015 Sampling Results

Three (3) surface water and sediment samples were collected on June 15, 2015 as shown on the Sampling Location Plan (Attachment A). The three (3) surface water samples were spread out across the extent of the reservoir, whereas the three (3) sediment samples were selectively located in the vicinity of the Agawamuck Creek discharge into the reservoir basin. Surface water samples were directly collected just below the surface of the reservoir using sampling jars. Sediment samples were collected via direct push methods using a Geoprobe core sampler with new macro core liners. Sediment samples were placed in zip-lock bags for homogenization as several cores were needed at each

[1] NYSDEC (2015) Watershed website: http://www.dec.ny.gov/lands/26561.html.

sampling location in order to have a sufficient volume of sediments for laboratory analysis.

At the time of sampling, sediment samples were observed to consist of coarse sand and gravel with small amounts of silt at the surface. Weather conditions were cloudy with seasonal temperatures and rain showers in the morning. Larger gravel with some cobbles was observed as sampling progressed closer to the Agawamuck Creek. The turbidity of the water entering into the reservoir basin from Agawamuck was observed to slightly increase during the course of the field sampling into the afternoon hours.

Surface water samples were analyzed for:

- Escherichia Coli (E-Coli)
- Target Analyte List (TAL) Metals

Sediment samples were analyzed for:

- TAL Metals
- Pesticides (no Mirex)
- Target Compound List (TCL) Volatile Organic Compounds
- PCBs

The complete chemical analytical sampling results are provided in Attachment B, and Attachment C provides two (2) summary tables for the laboratory detections.

Surface water results are summarized in Table 1 in Attachment C and characterized as follows:

- All three (3) surface water samples tested positive for E-Coli. E-Coli is a type of fecal coliform bacteria that is commonly found in the intestines of animals and humans. The presence of E-Coli is a strong indication of recent sewage or animal waste contamination.
- Metal concentrations were compared to Class GA groundwater and Class A surface water drinking water standards. Metals detected above these standards include antimony and iron.
    - → Antimony was detected above its standard of 3 ug/l at SW-1 (3.24 ug/l) and SW-2 (3.08 ug/l).
    - → Iron was detected above its standard of 300 ug/l at SW-3 (340 ug/l).
- All other metals analyzed were detected below their respective surface water standards.

Sediment sampling results are summarized in Table 2 in Attachment C and characterized as follows:

- No Pesticides or PCBs were detected in any of the three (3) sediment samples.
- Low levels of six (6) volatile organic compounds (1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3 Dichlorobenzene, Acetone and Toluene) were detected in SED-1, and one volatile organic compound (Acetone) was detected at a low level in SED-2 and SED-3. All of the detections were measured below their respective sediment standards.
- All of the metals detected in the three (3) sediment samples were measured below their respective sediment standards with the exception of the following analytes:
  - → Arsenic in SED-1 (14 mg/kg) was measured just above its Part 375 ecological sediment standard of 13 mg/kg. The other two (2) sediment samples had detections just below the Part 375 ecological sediment standard. All of the three (3) sediment samples had arsenic detections above the NYSDEC Class A standard of less than 10 mg/kg.
  - → Nickel in SED-1 (23 mg/kg) was measured just above its NYSDEC Class A standard of less than 23 mg/kg.
- Iron, manganese, and aluminum detections in all three (3) sediment samples were elevated, although no sediment standards are provided for these metals. Iron concentrations ranged from 29,000 to 33,000 mg/kg, manganese concentrations ranged from 390 to 730 mg/kg, and aluminum concentrations ranged from 14,000 to 15,000 mg/kg.

In general, the combined surface water and sediment results suggest the presence of one or more potential contaminant sources either in the vicinity of the reservoir or upstream of the reservoir. Without treatment, surface water in the reservoir does not represent a potable (i.e., drinkable) source of water. The use of the reservoir for non-contact uses such as fishing and boating appears feasible.

Should you have any question or comment regarding this correspondence, please feel free to contact me at your convenience at (518) 786-7400.

Sincerely,

C.T. MALE ASSOCIATES

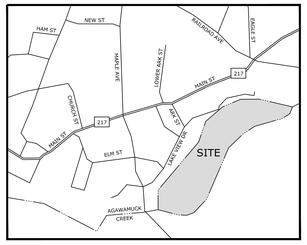
Managing Scientist & Principal
Environmental Services

Attachment A
Sampling Location Plan

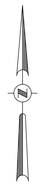
XREFS: NONE

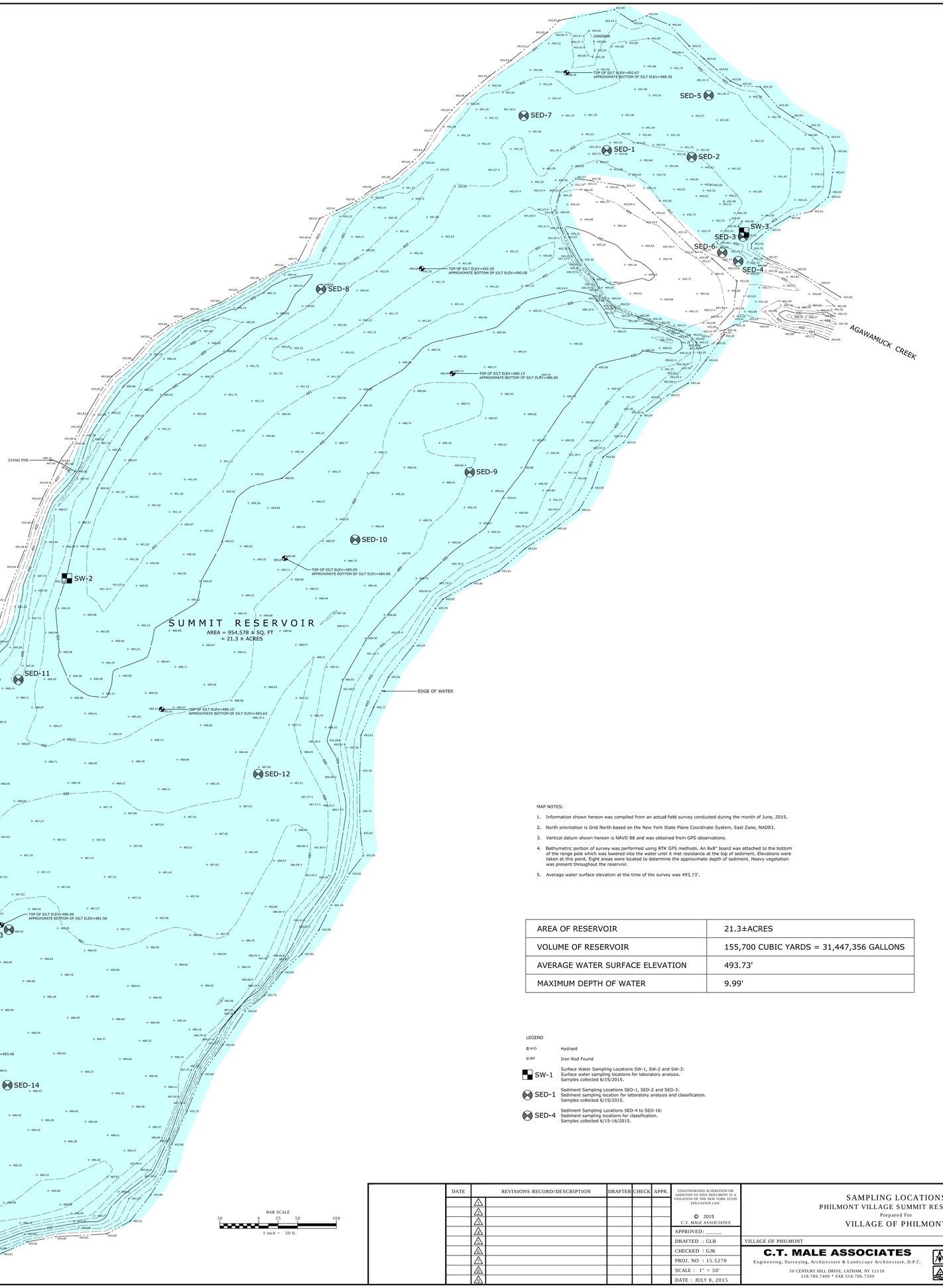
PROJECT NUMBER: 15.5270

FILENAME: SAMPLING LOCATIONS.dwg



SITE LOCATION MAP
NOT TO SCALE





BAR SCALE
50 0 25 50 100
1 inch = 50 ft.

MAP NOTES:

1. Information shown hereon was compiled from an actual field survey conducted during the month of June, 2015.
2. North orientation is Grid North based on the New York State Plane Coordinate System, East Zone, NAD83.
3. Vertical datum shown hereon is NAVD 88 and was obtained from GPS observations.
4. Bathymetric portion of survey was performed using RTK GPS methods. An 8x8" board was attached to the bottom of the range pole which was lowered into the water until it met resistance at the top of sediment. Elevations were taken at this point. Eight areas were located to determine the approximate depth of sediment. Heavy vegetation was present throughout the reservoir.
5. Average water surface elevation at the time of the survey was 493.73'.

AREA OF RESERVOIR	21.3±ACRES
VOLUME OF RESERVOIR	155,700 CUBIC YARDS = 31,447,356 GALLONS
AVERAGE WATER SURFACE ELEVATION	493.73'
MAXIMUM DEPTH OF WATER	9.99'

LEGEND

- HYD — Hydrant
- IRF — Iron Rod Found
- SW-1 — Surface Water Sampling Locations SW-1, SW-2 and SW-3: Surface water sampling locations for laboratory analysis. Samples collected 6/15/2015.
- SED-1 — Sediment Sampling Locations SED-1, SED-2 and SED-3: Sediment sampling location for laboratory analysis and classification. Samples collected 6/15/2015.
- SED-4 — Sediment Sampling Locations SED-4 to SED-16: Sediment sampling locations for classification. Samples collected 6/15-16/2015.

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1			
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	7			
	8			
	9			

APPROVED: _____

DRAFTED : GLB
CHECKED : GJK
PROJ. NO : 15.5270
SCALE : 1" = 50'
DATE : JULY 8, 2015

SAMPLING LOCATIONS
PHILMONT VILLAGE SUMMIT RESERVOIR
Prepared For
VILLAGE OF PHILMONT

VILLAGE OF PHILMONT — COLUMBIA COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299

SHEET 1 OF 1
DWG. NO: 15-373

"ONLY COPIES OF THIS MAP SIGNED IN RED INK AND EMBOSSED WITH THE SEAL OF AN OFFICER OF C.T. MALE ASSOCIATES OR A DESIGNATED REPRESENTATIVE SHALL BE CONSIDERED TO BE A VALID TRUE COPY".

CAD DWG. FILE NAME: K:\Projects\15270 Survey\SAMPLING LOCATIONS.dwg

Attachment B
Chemical Analytical Laboratory Results

ANALYTICAL REPORT

Lab Number:	L1513410
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Dan Achtyl
Phone:	(518) 786-7400
Project Name:	SUMMIT RESEVOIR SW/SED SAMPLES
Project Number:	2015886
Report Date:	06/26/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1513410-01	SED-1	SOIL	ULSTER COUNTY, NY	06/15/15 10:45	06/15/15
L1513410-02	SED-2	SOIL	ULSTER COUNTY, NY	06/15/15 10:50	06/15/15
L1513410-03	SED-3	SOIL	ULSTER COUNTY, NY	06/15/15 10:55	06/15/15
L1513410-04	SW-1	DW	ULSTER COUNTY, NY	06/15/15 12:20	06/15/15
L1513410-05	SW-2	DW	ULSTER COUNTY, NY	06/15/15 12:40	06/15/15
L1513410-06	SW-3	DW	ULSTER COUNTY, NY	06/15/15 13:00	06/15/15

Project Name:	SUMMIT RESEVOIR SW/SED SAMPLES	**Lab Number:**	L1513410
Project Number:	2015886	**Report Date:**	06/26/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	SUMMIT RESEVOIR SW/SED SAMPLES	**Lab Number:**	L1513410
Project Number:	2015886	**Report Date:**	06/26/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Metals

L1513410-01 through -03 have elevated detection limits due to the dilutions required by matrix interferences encountered during analysis.

The WG795524-1 Method Blank, associated with L1513410-06, has concentrations above the reporting limits for chromium and nickel. Since the sample(s) were non-detect above the RL for these target analytes, no further actions were taken. The results of the original analysis are reported.

The WG795524-1 Method Blank, associated with L1513410-06, has a concentration above the reporting limit for manganese. Since the associated sample concentration is greater than 10x the blank concentration for this analyte, no corrective action is required.

The WG795524-2 LCS/LCSD recovery, associated with L1513410-06, is above the acceptance criteria for antimony (123%); however, the associated sample is non-detect for this target compound. The results of the original analysis are reported.

The WG795003-4 MS recovery for aluminum (50%), performed on L1513410-04 has failed outside the 70-130%. The is due to the sample matrix or to either the heterogeneous nature of the sample or an uncorrected matrix effect.

The WG795524-4 MS recovery for manganese (143%), performed on L151410-06 has failed outside the 70-130%. The is due to the sample matrix or to either the heterogeneous nature of the sample or an uncorrected matrix effect.

The WG795524-3 Laboratory Duplicate RPD, performed on L1513410-06, is outside the acceptance criteria

Project Name:	SUMMIT RESEVOIR SW/SED SAMPLES	**Lab Number:**	L1513410
Project Number:	2015886	**Report Date:**	06/26/15

Case Narrative (continued)

for manganese (23%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 06/26/15

ORGANICS

VOLATILES

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-01
Client ID: SED-1
Sample Location: ULSTER COUNTY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/19/15 15:27
Analyst: MV
Percent Solids: 70%

Date Collected: 06/15/15 10:45
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.6	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.12	1
Chloroform	ND		ug/kg	2.1	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.50	1
Trichlorofluoromethane	ND		ug/kg	7.1	0.55	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
Bromoform	ND		ug/kg	5.7	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	0.53	J	ug/kg	2.1	0.28	1
Ethylbenzene	ND		ug/kg	1.4	0.18	1
Chloromethane	ND		ug/kg	7.1	0.42	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.17	1
Chloroethane	ND		ug/kg	2.8	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.18	1
1,2-Dichlorobenzene	0.32	J	ug/kg	7.1	0.22	1
1,3-Dichlorobenzene	0.30	J	ug/kg	7.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	7.1	0.20	1

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-01 Date Collected: 06/15/15 10:45

Client ID: SED-1 Date Received: 06/15/15

Sample Location: ULSTER COUNTY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.12	1
p/m-Xylene	ND		ug/kg	2.8	0.28	1
o-Xylene	ND		ug/kg	2.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Styrene	ND		ug/kg	2.8	0.57	1
Dichlorodifluoromethane	ND		ug/kg	14	0.27	1
Acetone	8.4	J	ug/kg	14	1.5	1
Carbon disulfide	ND		ug/kg	14	1.6	1
2-Butanone	ND		ug/kg	14	0.39	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
2-Hexanone	ND		ug/kg	14	0.95	1
Bromochloromethane	ND		ug/kg	7.1	0.39	1
1,2-Dibromoethane	ND		ug/kg	5.7	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.1	0.56	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	0.50	J	ug/kg	7.1	0.21	1
1,2,4-Trichlorobenzene	0.48	J	ug/kg	7.1	0.26	1
Methyl Acetate	ND		ug/kg	28	0.38	1
Cyclohexane	ND		ug/kg	28	0.21	1
1,4-Dioxane	ND		ug/kg	140	20.	1
Freon-113	ND		ug/kg	28	0.39	1
Methyl cyclohexane	ND		ug/kg	5.7	0.22	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-02
Client ID: SED-2
Sample Location: ULSTER COUNTY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/19/15 15:57
Analyst: MV
Percent Solids: 67%

Date Collected: 06/15/15 10:50
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	15	1.7	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.13	1
Chloroform	ND		ug/kg	2.2	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.46	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.5	0.58	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
Bromoform	ND		ug/kg	6.0	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.15	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.29	1
Ethylbenzene	ND		ug/kg	1.5	0.19	1
Chloromethane	ND		ug/kg	7.5	0.44	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.18	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.32	1
Trichloroethene	ND		ug/kg	1.5	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	7.5	0.21	1

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-02 Date Collected: 06/15/15 10:50

Client ID: SED-2 Date Received: 06/15/15

Sample Location: ULSTER COUNTY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.13	1
p/m-Xylene	ND		ug/kg	3.0	0.30	1
o-Xylene	ND		ug/kg	3.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Styrene	ND		ug/kg	3.0	0.60	1
Dichlorodifluoromethane	ND		ug/kg	15	0.29	1
Acetone	10	J	ug/kg	15	1.6	1
Carbon disulfide	ND		ug/kg	15	1.6	1
2-Butanone	ND		ug/kg	15	0.41	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.5	0.42	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	0.60	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	0.27	1
Methyl Acetate	ND		ug/kg	30	0.41	1
Cyclohexane	ND		ug/kg	30	0.22	1
1,4-Dioxane	ND		ug/kg	150	22.	1
Freon-113	ND		ug/kg	30	0.41	1
Methyl cyclohexane	ND		ug/kg	6.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-03
Client ID: SED-3
Sample Location: ULSTER COUNTY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/19/15 16:27
Analyst: MV
Percent Solids: 74%

Date Collected: 06/15/15 10:55
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.12	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.4	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.53	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
Bromoform	ND		ug/kg	5.4	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.0	0.26	1
Ethylbenzene	ND		ug/kg	1.4	0.17	1
Chloromethane	ND		ug/kg	6.8	0.40	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.16	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.19	1

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-03 Date Collected: 06/15/15 10:55

Client ID: SED-3 Date Received: 06/15/15

Sample Location: ULSTER COUNTY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.11	1
p/m-Xylene	ND		ug/kg	2.7	0.27	1
o-Xylene	ND		ug/kg	2.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.19	1
Styrene	ND		ug/kg	2.7	0.54	1
Dichlorodifluoromethane	ND		ug/kg	14	0.26	1
Acetone	14		ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.37	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
2-Hexanone	ND		ug/kg	14	0.90	1
Bromochloromethane	ND		ug/kg	6.8	0.37	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	0.54	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	0.25	1
Methyl Acetate	ND		ug/kg	27	0.37	1
Cyclohexane	ND		ug/kg	27	0.20	1
1,4-Dioxane	ND		ug/kg	140	20.	1
Freon-113	ND		ug/kg	27	0.37	1
Methyl cyclohexane	ND		ug/kg	5.4	0.21	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795296-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.25	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795296-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	3.7	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	1.5	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795296-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795296-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795296-1 WG795296-2								
Methylene chloride	100		95		70-130	5		30
1,1-Dichloroethane	102		96		70-130	6		30
Chloroform	101		96		70-130	5		30
Carbon tetrachloride	109		97		70-130	12		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	94		95		70-130	1		30
2-Chloroethylvinyl ether	84		86		70-130	2		30
1,1,2-Trichloroethane	93		93		70-130	0		30
Tetrachloroethene	109		101		70-130	8		30
Chlorobenzene	100		98		70-130	2		30
Trichlorofluoromethane	116		102		70-139	13		30
1,2-Dichloroethane	93		93		70-130	0		30
1,1,1-Trichloroethane	106		96		70-130	10		30
Bromodichloromethane	99		95		70-130	4		30
trans-1,3-Dichloropropene	91		92		70-130	1		30
cis-1,3-Dichloropropene	100		98		70-130	2		30
1,1-Dichloropropene	110		99		70-130	11		30
Bromoform	89		90		70-130	1		30
1,1,2,2-Tetrachloroethane	82		87		70-130	6		30
Benzene	103		96		70-130	7		30
Toluene	96		90		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795296-1 WG795296-2								
Ethylbenzene	101		95		70-130	6		30
Chloromethane	95		88		52-130	8		30
Bromomethane	107		98		57-147	9		30
Vinyl chloride	95		83		67-130	13		30
Chloroethane	106		96		50-151	10		30
1,1-Dichloroethene	110		99		65-135	11		30
trans-1,2-Dichloroethene	108		98		70-130	10		30
Trichloroethene	108		99		70-130	9		30
1,2-Dichlorobenzene	99		98		70-130	1		30
1,3-Dichlorobenzene	101		98		70-130	3		30
1,4-Dichlorobenzene	101		98		70-130	3		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	104		98		70-130	6		30
o-Xylene	103		98		70-130	5		30
cis-1,2-Dichloroethene	104		99		70-130	5		30
Dibromomethane	96		96		70-130	0		30
Styrene	103		98		70-130	5		30
Dichlorodifluoromethane	80		69		30-146	15		30
Acetone	87		100		54-140	14		30
Carbon disulfide	100		90		59-130	11		30
2-Butanone	90		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886
Lab Number: L1513410
Report Date: 06/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795296-1 WG795296-2								
Vinyl acetate	94		96		70-130	2		30
4-Methyl-2-pentanone	89		93		70-130	4		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	81		86		70-130	6		30
Bromochloromethane	104		102		70-130	2		30
2,2-Dichloropropane	109		99		70-130	10		30
1,2-Dibromoethane	93		93		70-130	0		30
1,3-Dichloropropane	92		93		69-130	1		30
1,1,1,2-Tetrachloroethane	97		94		70-130	3		30
Bromobenzene	98		96		70-130	2		30
n-Butylbenzene	103		98		70-130	5		30
sec-Butylbenzene	104		96		70-130	8		30
tert-Butylbenzene	101		94		70-130	7		30
o-Chlorotoluene	97		91		70-130	6		30
p-Chlorotoluene	97		92		70-130	5		30
1,2-Dibromo-3-chloropropane	83		91		68-130	9		30
Hexachlorobutadiene	110		103		67-130	7		30
Isopropylbenzene	100		94		70-130	6		30
p-Isopropyltoluene	103		97		70-130	6		30
Naphthalene	92		94		70-130	2		30
Acrylonitrile	98		103		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886
Lab Number: L1513410
Report Date: 06/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795296-1 WG795296-2								
Diisopropyl Ether	102		100		66-130	2		30
Tert-Butyl Alcohol	81		86		70-130	6		30
n-Propylbenzene	100		94		70-130	6		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	100		94		70-130	6		30
1,2,4-Trimethylbenzene	99		95		70-130	4		30
Methyl Acetate	89		96		51-146	8		30
Ethyl Acetate	87		93		70-130	7		30
Acrolein	94		96		70-130	2		30
Cyclohexane	116		102		59-142	13		30
1,4-Dioxane	91		93		65-136	2		30
Freon-113	114		101		50-139	12		30
p-Diethylbenzene	104		97		70-130	7		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	100		98		70-130	2		30
Tetrahydrofuran	88		101		66-130	14		30
Ethyl ether	94		93		67-130	1		30
trans-1,4-Dichloro-2-butene	86		90		70-130	5		30
Methyl cyclohexane	114		101		70-130	12		30
Ethyl-Tert-Butyl-Ether	97		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795296-1 WG795296-2								
Tertiary-Amyl Methyl Ether	93		93		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		95		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	100		100		70-130

PCBS

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID:	L1513410-01	Date Collected:	06/15/15 10:45
Client ID:	SED-1	Date Received:	06/15/15
Sample Location:	ULSTER COUNTY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/18/15 15:40
Analytical Date:	06/19/15 15:38	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	06/19/15
Percent Solids:	70%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	46.2	3.65	1	A
Aroclor 1221	ND		ug/kg	46.2	4.26	1	A
Aroclor 1232	ND		ug/kg	46.2	5.42	1	A
Aroclor 1242	ND		ug/kg	46.2	5.66	1	A
Aroclor 1248	ND		ug/kg	46.2	3.90	1	A
Aroclor 1254	ND		ug/kg	46.2	3.80	1	A
Aroclor 1260	ND		ug/kg	46.2	3.52	1	A
Aroclor 1262	ND		ug/kg	46.2	2.29	1	A
Aroclor 1268	ND		ug/kg	46.2	6.71	1	A
PCBs, Total	ND		ug/kg	46.2	2.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID:	L1513410-02	Date Collected:	06/15/15 10:50
Client ID:	SED-2	Date Received:	06/15/15
Sample Location:	ULSTER COUNTY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/18/15 15:40
Analytical Date:	06/19/15 15:51	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	06/19/15
Percent Solids:	67%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.6	3.76	1	A
Aroclor 1221	ND		ug/kg	47.6	4.39	1	A
Aroclor 1232	ND		ug/kg	47.6	5.58	1	A
Aroclor 1242	ND		ug/kg	47.6	5.83	1	A
Aroclor 1248	ND		ug/kg	47.6	4.02	1	A
Aroclor 1254	ND		ug/kg	47.6	3.91	1	A
Aroclor 1260	ND		ug/kg	47.6	3.63	1	A
Aroclor 1262	ND		ug/kg	47.6	2.36	1	A
Aroclor 1268	ND		ug/kg	47.6	6.90	1	A
PCBs, Total	ND		ug/kg	47.6	2.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID:	L1513410-03	Date Collected:	06/15/15 10:55
Client ID:	SED-3	Date Received:	06/15/15
Sample Location:	ULSTER COUNTY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/18/15 15:40
Analytical Date:	06/19/15 16:16	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	06/19/15
Percent Solids:	74%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.6	3.44	1	A
Aroclor 1221	ND		ug/kg	43.6	4.02	1	A
Aroclor 1232	ND		ug/kg	43.6	5.11	1	A
Aroclor 1242	ND		ug/kg	43.6	5.33	1	A
Aroclor 1248	ND		ug/kg	43.6	3.68	1	A
Aroclor 1254	ND		ug/kg	43.6	3.58	1	A
Aroclor 1260	ND		ug/kg	43.6	3.32	1	A
Aroclor 1262	ND		ug/kg	43.6	2.16	1	A
Aroclor 1268	ND		ug/kg	43.6	6.32	1	A
PCBs, Total	ND		ug/kg	43.6	2.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/19/15 01:52
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 06/18/15 15:40
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG794979-1						
Aroclor 1016	ND		ug/kg	33.0	2.60	A
Aroclor 1221	ND		ug/kg	33.0	3.04	A
Aroclor 1232	ND		ug/kg	33.0	3.86	A
Aroclor 1242	ND		ug/kg	33.0	4.04	A
Aroclor 1248	ND		ug/kg	33.0	2.78	A
Aroclor 1254	ND		ug/kg	33.0	2.71	A
Aroclor 1260	ND		ug/kg	33.0	2.51	A
Aroclor 1262	ND		ug/kg	33.0	1.64	A
Aroclor 1268	ND		ug/kg	33.0	4.78	A
PCBs, Total	ND		ug/kg	33.0	1.64	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	111		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG794979-2 WG794979-3									
Aroclor 1016	93		94		40-140	1		50	A
Aroclor 1260	83		84		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		92		30-150	A
Decachlorobiphenyl	102		105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		94		30-150	B
Decachlorobiphenyl	111		113		30-150	B

PESTICIDES

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID:	L1513410-01	Date Collected:	06/15/15 10:45
Client ID:	SED-1	Date Received:	06/15/15
Sample Location:	ULSTER COUNTY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 22:39
Analytical Date:	06/22/15 14:23	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15
Percent Solids:	70%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.18	0.426	1	A
Lindane	ND		ug/kg	0.906	0.405	1	A
Alpha-BHC	ND		ug/kg	0.906	0.257	1	A
Beta-BHC	ND		ug/kg	2.18	0.825	1	A
Heptachlor	ND		ug/kg	1.09	0.488	1	A
Aldrin	ND		ug/kg	2.18	0.766	1	A
Heptachlor epoxide	ND		ug/kg	4.08	1.22	1	A
Endrin	ND		ug/kg	0.906	0.372	1	A
Endrin ketone	ND		ug/kg	2.18	0.560	1	A
Dieldrin	ND		ug/kg	1.36	0.680	1	A
4,4'-DDE	ND		ug/kg	2.18	0.503	1	A
4,4'-DDD	ND		ug/kg	2.18	0.776	1	A
4,4'-DDT	ND		ug/kg	4.08	1.75	1	A
Endosulfan I	ND		ug/kg	2.18	0.514	1	A
Endosulfan II	ND		ug/kg	2.18	0.727	1	A
Endosulfan sulfate	ND		ug/kg	0.906	0.431	1	A
Methoxychlor	ND		ug/kg	4.08	1.27	1	A
Toxaphene	ND		ug/kg	40.8	11.4	1	A
cis-Chlordane	ND		ug/kg	2.72	0.758	1	A
trans-Chlordane	ND		ug/kg	2.72	0.718	1	A
Chlordane	ND		ug/kg	17.7	7.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID:	L1513410-02	Date Collected:	06/15/15 10:50
Client ID:	SED-2	Date Received:	06/15/15
Sample Location:	ULSTER COUNTY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 22:39
Analytical Date:	06/22/15 14:37	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15
Percent Solids:	67%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.28	0.446	1	A
Lindane	ND		ug/kg	0.948	0.424	1	A
Alpha-BHC	ND		ug/kg	0.948	0.269	1	A
Beta-BHC	ND		ug/kg	2.28	0.863	1	A
Heptachlor	ND		ug/kg	1.14	0.510	1	A
Aldrin	ND		ug/kg	2.28	0.801	1	A
Heptachlor epoxide	ND		ug/kg	4.27	1.28	1	A
Endrin	ND		ug/kg	0.948	0.389	1	A
Endrin ketone	ND		ug/kg	2.28	0.586	1	A
Dieldrin	ND		ug/kg	1.42	0.711	1	A
4,4'-DDE	ND		ug/kg	2.28	0.526	1	A
4,4'-DDD	ND		ug/kg	2.28	0.812	1	A
4,4'-DDT	ND		ug/kg	4.27	1.83	1	A
Endosulfan I	ND		ug/kg	2.28	0.538	1	A
Endosulfan II	ND		ug/kg	2.28	0.760	1	A
Endosulfan sulfate	ND		ug/kg	0.948	0.451	1	A
Methoxychlor	ND		ug/kg	4.27	1.33	1	A
Toxaphene	ND		ug/kg	42.7	11.9	1	A
cis-Chlordane	ND		ug/kg	2.84	0.793	1	A
trans-Chlordane	ND		ug/kg	2.84	0.751	1	A
Chlordane	ND		ug/kg	18.5	7.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID:	L1513410-03	Date Collected:	06/15/15 10:55
Client ID:	SED-3	Date Received:	06/15/15
Sample Location:	ULSTER COUNTY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 22:39
Analytical Date:	06/22/15 14:50	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.09	0.408	1	A
Lindane	ND		ug/kg	0.869	0.388	1	A
Alpha-BHC	ND		ug/kg	0.869	0.247	1	A
Beta-BHC	ND		ug/kg	2.09	0.791	1	A
Heptachlor	ND		ug/kg	1.04	0.468	1	A
Aldrin	ND		ug/kg	2.09	0.734	1	A
Heptachlor epoxide	ND		ug/kg	3.91	1.17	1	A
Endrin	ND		ug/kg	0.869	0.356	1	A
Endrin ketone	ND		ug/kg	2.09	0.537	1	A
Dieldrin	ND		ug/kg	1.30	0.652	1	A
4,4'-DDE	ND		ug/kg	2.09	0.482	1	A
4,4'-DDD	ND		ug/kg	2.09	0.744	1	A
4,4'-DDT	ND		ug/kg	3.91	1.68	1	A
Endosulfan I	ND		ug/kg	2.09	0.493	1	A
Endosulfan II	ND		ug/kg	2.09	0.697	1	A
Endosulfan sulfate	ND		ug/kg	0.869	0.414	1	A
Methoxychlor	ND		ug/kg	3.91	1.22	1	A
Toxaphene	ND		ug/kg	39.1	11.0	1	A
cis-Chlordane	ND		ug/kg	2.61	0.727	1	A
trans-Chlordane	ND		ug/kg	2.61	0.688	1	A
Chlordane	ND		ug/kg	16.9	6.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886
Lab Number: L1513410
Report Date: 06/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/22/15 14:51
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 06/18/15 22:39
Cleanup Method: EPA 3620B
Cleanup Date: 06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG795094-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.595	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.883	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.981	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.24	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.8	5.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	56		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG795094-2 WG795094-3									
Delta-BHC	41		72		30-150	**55**	Q	30	A
Lindane	47		79		30-150	**51**	Q	30	A
Alpha-BHC	50		84		30-150	**51**	Q	30	A
Beta-BHC	48		74		30-150	**43**	Q	30	A
Heptachlor	49		76		30-150	**43**	Q	30	A
Aldrin	48		79		30-150	**49**	Q	30	A
Heptachlor epoxide	48		75		30-150	**44**	Q	30	A
Endrin	48		80		30-150	**50**	Q	30	A
Endrin ketone	39		61		30-150	**44**	Q	30	A
Dieldrin	50		80		30-150	**46**	Q	30	A
4,4'-DDE	48		74		30-150	**43**	Q	30	A
4,4'-DDD	50		88		30-150	**55**	Q	30	A
4,4'-DDT	51		90		30-150	**55**	Q	30	A
Endosulfan I	44		68		30-150	**43**	Q	30	A
Endosulfan II	50		67		30-150	29		30	A
Endosulfan sulfate	36		55		30-150	**42**	Q	30	A
Methoxychlor	49		84		30-150	**53**	Q	30	A
cis-Chlordane	45		73		30-150	**47**	Q	30	A
trans-Chlordane	48		74		30-150	**43**	Q	30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG795094-2 WG795094-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		64		30-150	B
Decachlorobiphenyl	49		68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	49		74		30-150	A
Decachlorobiphenyl	35		60		30-150	A

METALS

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-01 Date Collected: 06/15/15 10:45

Client ID: SED-1 Date Received: 06/15/15

Sample Location: ULSTER COUNTY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	15000		mg/kg	11	2.2	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	5.5	0.88	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Arsenic, Total	14		mg/kg	1.1	0.22	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Barium, Total	50		mg/kg	1.1	0.33	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Beryllium, Total	0.42	J	mg/kg	0.55	0.11	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	1.1	0.08	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Calcium, Total	840		mg/kg	11	3.3	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Chromium, Total	15		mg/kg	1.1	0.22	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Cobalt, Total	11		mg/kg	2.2	0.55	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Copper, Total	18		mg/kg	1.1	0.22	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Iron, Total	33000		mg/kg	5.5	2.2	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Lead, Total	14		mg/kg	5.5	0.22	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Magnesium, Total	6200		mg/kg	11	1.1	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Manganese, Total	730		mg/kg	1.1	0.22	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Mercury, Total	ND		mg/kg	0.10	0.02	1	06/16/15 07:17	06/18/15 16:37	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.8	0.44	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Potassium, Total	260	J	mg/kg	280	44.	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	2.2	0.33	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	1.1	0.22	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Sodium, Total	ND		mg/kg	220	33.	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	2.2	0.44	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Vanadium, Total	12		mg/kg	1.1	0.11	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC
Zinc, Total	76		mg/kg	5.5	0.77	2	06/18/15 03:21	06/22/15 16:10	EPA 3050B	1,6010C	MC

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-02 Date Collected: 06/15/15 10:50

Client ID: SED-2 Date Received: 06/15/15

Sample Location: ULSTER COUNTY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	14000		mg/kg	12	2.3	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	5.8	0.93	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Arsenic, Total	12		mg/kg	1.2	0.23	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Barium, Total	44		mg/kg	1.2	0.35	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Beryllium, Total	0.40	J	mg/kg	0.58	0.12	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	1.2	0.08	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Calcium, Total	930		mg/kg	12	3.5	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Chromium, Total	14		mg/kg	1.2	0.23	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Cobalt, Total	11		mg/kg	2.3	0.58	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Copper, Total	16		mg/kg	1.2	0.23	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Iron, Total	31000		mg/kg	5.8	2.3	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Lead, Total	11		mg/kg	5.8	0.23	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Magnesium, Total	6000		mg/kg	12	1.2	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Manganese, Total	500		mg/kg	1.2	0.23	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Mercury, Total	ND		mg/kg	0.09	0.02	1	06/16/15 07:17	06/18/15 16:39	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.9	0.46	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Potassium, Total	330		mg/kg	290	46.	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	2.3	0.35	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	1.2	0.23	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Sodium, Total	38	J	mg/kg	230	35.	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	2.3	0.46	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Vanadium, Total	11		mg/kg	1.2	0.12	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC
Zinc, Total	74		mg/kg	5.8	0.81	2	06/18/15 03:21	06/22/15 16:14	EPA 3050B	1,6010C	MC

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-03 Date Collected: 06/15/15 10:55

Client ID: SED-3 Date Received: 06/15/15

Sample Location: ULSTER COUNTY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	14000		mg/kg	11	2.1	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	5.3	0.85	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Arsenic, Total	11		mg/kg	1.1	0.21	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Barium, Total	50		mg/kg	1.1	0.32	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Beryllium, Total	0.41	J	mg/kg	0.53	0.11	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	1.1	0.07	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Calcium, Total	960		mg/kg	11	3.2	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Chromium, Total	15		mg/kg	1.1	0.21	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Cobalt, Total	10		mg/kg	2.1	0.53	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Copper, Total	17		mg/kg	1.1	0.21	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Iron, Total	29000		mg/kg	5.3	2.1	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Lead, Total	12		mg/kg	5.3	0.21	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Magnesium, Total	6700		mg/kg	11	1.1	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Manganese, Total	390		mg/kg	1.1	0.21	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Mercury, Total	ND		mg/kg	0.09	0.02	1	06/16/15 07:17	06/18/15 16:41	EPA 7471B	1,7471B	MC
Nickel, Total	21		mg/kg	2.6	0.42	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Potassium, Total	330		mg/kg	260	42.	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	2.1	0.32	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	1.1	0.21	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Sodium, Total	40	J	mg/kg	210	32.	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	2.1	0.42	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Vanadium, Total	13		mg/kg	1.1	0.11	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC
Zinc, Total	72		mg/kg	5.3	0.74	2	06/18/15 03:21	06/22/15 16:18	EPA 3050B	1,6010C	MC

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-04 Date Collected: 06/15/15 12:20

Client ID: SW-1 Date Received: 06/15/15

Sample Location: ULSTER COUNTY, NY Field Prep: Not Specified

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.01527	J	mg/l	0.02000	0.00200	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Antimony, Total	0.00324	J	mg/l	0.00400	0.00010	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Arsenic, Total	0.00057	J	mg/l	0.00100	0.00020	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Barium, Total	0.01394		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Beryllium, Total	ND		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Cadmium, Total	ND		mg/l	0.00100	0.00005	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Calcium, Total	21		mg/l	0.10	0.03	1	06/18/15 21:39	06/19/15 20:03	EPA 3005A	19,200.7	JH
Chromium, Total	ND		mg/l	0.00600	0.00020	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Cobalt, Total	ND		mg/l	0.020	0.005	1	06/18/15 21:39	06/19/15 20:03	EPA 3005A	19,200.7	JH
Copper, Total	0.00052	J	mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Iron, Total	0.19		mg/l	0.05	0.02	1	06/18/15 21:39	06/19/15 20:03	EPA 3005A	19,200.7	JH
Lead, Total	ND		mg/l	0.00100	0.00020	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Magnesium, Total	2.7		mg/l	0.10	0.01	1	06/18/15 21:39	06/19/15 20:03	EPA 3005A	19,200.7	JH
Manganese, Total	0.05567		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Mercury, Total	ND		mg/l	0.0002	0.0001	1	06/17/15 10:20	06/17/15 21:37	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.00400	0.00010	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Potassium, Total	1.8	J	mg/l	2.5	0.40	1	06/18/15 21:39	06/20/15 22:08	EPA 3005A	19,200.7	JH
Selenium, Total	ND		mg/l	0.00200	0.00030	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Silver, Total	ND		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Sodium, Total	19		mg/l	2.0	0.30	1	06/18/15 21:39	06/19/15 20:03	EPA 3005A	19,200.7	JH
Thallium, Total	ND		mg/l	0.00100	0.00003	1	06/18/15 22:14	06/25/15 15:53	EPA 3005A	3,200.8	KL
Vanadium, Total	0.00010	J	mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL
Zinc, Total	ND		mg/l	0.00500	0.00120	1	06/18/15 22:14	06/19/15 10:36	EPA 3005A	3,200.8	KL

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-05 Date Collected: 06/15/15 12:40

Client ID: SW-2 Date Received: 06/15/15

Sample Location: ULSTER COUNTY, NY Field Prep: Not Specified

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.05952		mg/l	0.02000	0.00200	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Antimony, Total	0.00308	J	mg/l	0.00400	0.00010	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Arsenic, Total	0.00033	J	mg/l	0.00100	0.00020	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Barium, Total	0.01567		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Beryllium, Total	ND		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Cadmium, Total	ND		mg/l	0.00100	0.00005	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Calcium, Total	20		mg/l	0.10	0.03	1	06/18/15 21:39	06/19/15 20:07	EPA 3005A	19,200.7	JH
Chromium, Total	0.00026	J	mg/l	0.00600	0.00020	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Cobalt, Total	ND		mg/l	0.020	0.005	1	06/18/15 21:39	06/19/15 20:07	EPA 3005A	19,200.7	JH
Copper, Total	0.00054	J	mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Iron, Total	0.16		mg/l	0.05	0.02	1	06/18/15 21:39	06/19/15 20:07	EPA 3005A	19,200.7	JH
Lead, Total	ND		mg/l	0.00100	0.00020	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Magnesium, Total	2.6		mg/l	0.10	0.01	1	06/18/15 21:39	06/19/15 20:07	EPA 3005A	19,200.7	JH
Manganese, Total	0.04665		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Mercury, Total	ND		mg/l	0.0002	0.0001	1	06/17/15 10:20	06/17/15 21:39	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.00400	0.00010	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Potassium, Total	1.3	J	mg/l	2.5	0.40	1	06/18/15 21:39	06/20/15 22:12	EPA 3005A	19,200.7	JH
Selenium, Total	ND		mg/l	0.00200	0.00030	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Silver, Total	ND		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Sodium, Total	18		mg/l	2.0	0.30	1	06/18/15 21:39	06/19/15 20:07	EPA 3005A	19,200.7	JH
Thallium, Total	ND		mg/l	0.00100	0.00003	1	06/18/15 22:14	06/25/15 16:02	EPA 3005A	3,200.8	KL
Vanadium, Total	0.00012	J	mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL
Zinc, Total	0.00202	J	mg/l	0.00500	0.00120	1	06/18/15 22:14	06/19/15 10:45	EPA 3005A	3,200.8	KL

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-06 Date Collected: 06/15/15 13:00

Client ID: SW-3 Date Received: 06/15/15

Sample Location: ULSTER COUNTY, NY Field Prep: Not Specified

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0364		mg/l	0.0200	0.00200	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Antimony, Total	0.00280	J	mg/l	0.00400	0.00010	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Arsenic, Total	0.00032	J	mg/l	0.00100	0.00020	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Barium, Total	0.01869		mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 16:10	EPA 3005A	3,200.8	KL
Beryllium, Total	ND		mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Cadmium, Total	ND		mg/l	0.00100	0.00005	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Calcium, Total	20		mg/l	0.10	0.03	1	06/20/15 15:45	06/22/15 20:31	EPA 3005A	19,200.7	MC
Chromium, Total	0.00569	J	mg/l	0.00600	0.00020	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Cobalt, Total	ND		mg/l	0.020	0.005	1	06/20/15 15:45	06/22/15 20:31	EPA 3005A	19,200.7	MC
Copper, Total	0.00069	J	mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Iron, Total	0.34		mg/l	0.05	0.02	1	06/23/15 21:28	06/24/15 00:26	EPA 3005A	19,200.7	JH
Lead, Total	ND		mg/l	0.00100	0.00020	1	06/20/15 11:18	06/25/15 16:10	EPA 3005A	3,200.8	KL
Magnesium, Total	2.4		mg/l	0.10	0.01	1	06/20/15 15:45	06/22/15 20:31	EPA 3005A	19,200.7	MC
Manganese, Total	0.0448		mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Mercury, Total	ND		mg/l	0.0002	0.0001	1	06/17/15 10:20	06/17/15 21:41	EPA 245.1	3,245.1	EA
Nickel, Total	0.00358	J	mg/l	0.00400	0.00010	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Potassium, Total	0.94	J	mg/l	2.5	0.40	1	06/20/15 15:45	06/22/15 20:31	EPA 3005A	19,200.7	MC
Selenium, Total	ND		mg/l	0.00500	0.00030	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Silver, Total	ND		mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 16:10	EPA 3005A	3,200.8	KL
Sodium, Total	16		mg/l	2.0	0.30	1	06/20/15 15:45	06/22/15 20:31	EPA 3005A	19,200.7	MC
Thallium, Total	ND		mg/l	0.00100	0.00003	1	06/20/15 11:18	06/25/15 16:10	EPA 3005A	3,200.8	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL
Zinc, Total	ND		mg/l	0.00500	0.00120	1	06/20/15 11:18	06/25/15 13:15	EPA 3005A	3,200.8	KL

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG793899-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/16/15 07:17	06/18/15 15:51	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-06 Batch: WG794376-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	06/17/15 10:20	06/17/15 21:16	3,245.1	EA

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG794720-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Arsenic, Total	0.11	J	mg/kg	0.40	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

Method Blank Analysis
Batch Quality Control

Selenium, Total	ND	mg/kg	0.80	0.12	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Silver, Total	ND	mg/kg	0.40	0.08	1	06/18/15 03:21	06/19/15 16:57	1,6010C	AB
Sodium, Total	ND	mg/kg	80	12.	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Thallium, Total	ND	mg/kg	0.80	0.16	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Vanadium, Total	ND	mg/kg	0.40	0.04	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Zinc, Total	ND	mg/kg	2.0	0.28	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-05 Batch: WG794997-1										
Calcium, Total	ND		mg/l	0.10	0.03	1	06/18/15 21:39	06/19/15 18:18	19,200.7	JH
Cobalt, Total	ND		mg/l	0.020	0.005	1	06/18/15 21:39	06/19/15 18:18	19,200.7	JH
Iron, Total	ND		mg/l	0.05	0.02	1	06/18/15 21:39	06/19/15 18:18	19,200.7	JH
Magnesium, Total	ND		mg/l	0.10	0.01	1	06/18/15 21:39	06/19/15 18:18	19,200.7	JH
Potassium, Total	ND		mg/l	2.5	0.40	1	06/18/15 21:39	06/19/15 18:18	19,200.7	JH
Sodium, Total	ND		mg/l	2.0	0.30	1	06/18/15 21:39	06/19/15 18:18	19,200.7	JH

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-05 Batch: WG795003-1										
Aluminum, Total	ND		mg/l	0.0200	0.00200	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Antimony, Total	0.00078	J	mg/l	0.00400	0.00010	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Arsenic, Total	ND		mg/l	0.00100	0.00020	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Barium, Total	ND		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Beryllium, Total	ND		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Cadmium, Total	ND		mg/l	0.00100	0.00005	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Chromium, Total	ND		mg/l	0.00600	0.00020	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Copper, Total	ND		mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

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Batch Quality Control

Manganese, Total	ND	mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Nickel, Total	ND	mg/l	0.00400	0.00010	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Selenium, Total	ND	mg/l	0.00200	0.00030	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Silver, Total	ND	mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Thallium, Total	ND	mg/l	0.00100	0.00003	1	06/18/15 22:14	06/25/15 15:47	3,200.8	KL
Vanadium, Total	ND	mg/l	0.00100	0.00010	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL
Zinc, Total	ND	mg/l	0.00500	0.00120	1	06/18/15 22:14	06/19/15 10:30	3,200.8	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 06 Batch: WG795524-1										
Aluminum, Total	0.0141	J	mg/l	0.0200	0.00200	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Antimony, Total	0.00151	J	mg/l	0.00400	0.00010	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Arsenic, Total	ND		mg/l	0.00100	0.00020	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Barium, Total	ND		mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 16:04	3,200.8	KL
Beryllium, Total	ND		mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Cadmium, Total	ND		mg/l	0.00100	0.00005	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Chromium, Total	0.0265		mg/l	0.00600	0.00020	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Copper, Total	0.00037	J	mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	06/20/15 11:18	06/25/15 16:04	3,200.8	KL
Manganese, Total	0.00302		mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Nickel, Total	0.0208		mg/l	0.00400	0.00010	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Silver, Total	ND		mg/l	0.00100	0.00010	1	06/20/15 11:18	06/25/15 16:04	3,200.8	KL
Thallium, Total	ND		mg/l	0.00100	0.00003	1	06/20/15 11:18	06/25/15 16:04	3,200.8	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL
Zinc, Total	ND		mg/l	0.00500	0.00120	1	06/20/15 11:18	06/25/15 13:09	3,200.8	KL

Prep Information

Digestion Method: EPA 3005A

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES **Lab Number:** L1513410

Project Number: 2015886 **Report Date:** 06/26/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 06 Batch: WG795560-1										
Calcium, Total	ND		mg/l	0.10	0.03	1	06/20/15 15:45	06/22/15 20:04	19,200.7	MC
Cobalt, Total	ND		mg/l	0.020	0.005	1	06/20/15 15:45	06/22/15 20:04	19,200.7	MC
Magnesium, Total	ND		mg/l	0.10	0.01	1	06/20/15 15:45	06/22/15 20:04	19,200.7	MC
Potassium, Total	ND		mg/l	2.5	0.40	1	06/20/15 15:45	06/22/15 20:04	19,200.7	MC
Sodium, Total	ND		mg/l	2.0	0.30	1	06/20/15 15:45	06/22/15 20:04	19,200.7	MC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 06 Batch: WG796342-1										
Iron, Total	ND		mg/l	0.05	0.02	1	06/23/15 21:28	06/23/15 23:20	19,200.7	JH

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG793899-2 SRM Lot Number: D088-540								
Mercury, Total	107		-		72-128	-		
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG794376-2								
Mercury, Total	103		-		85-115	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG794720-2 SRM Lot Number: D088-540					
Aluminum, Total	87	-	48-151	-	
Antimony, Total	187	-	1-208	-	
Arsenic, Total	96	-	79-121	-	
Barium, Total	88	-	83-117	-	
Beryllium, Total	90	-	83-117	-	
Cadmium, Total	94	-	83-117	-	
Calcium, Total	85	-	81-119	-	
Chromium, Total	92	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	98	-	81-118	-	
Iron, Total	89	-	45-155	-	
Lead, Total	89	-	81-117	-	
Magnesium, Total	81	-	76-124	-	
Manganese, Total	88	-	81-118	-	
Nickel, Total	92	-	83-117	-	
Potassium, Total	93	-	71-129	-	
Selenium, Total	97	-	78-122	-	
Silver, Total	98	-	75-124	-	
Sodium, Total	92	-	72-127	-	
Thallium, Total	90	-	80-120	-	
Vanadium, Total	91	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG794720-2 SRM Lot Number: D088-540					
Zinc, Total	88	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG794997-2					
Calcium, Total	100	-	85-115	-	
Cobalt, Total	108	-	85-115	-	
Iron, Total	100	-	85-115	-	
Magnesium, Total	100	-	85-115	-	
Potassium, Total	100	-	85-115	-	
Sodium, Total	100	-	85-115	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG795003-2					
Aluminum, Total	105	-	85-115	-	
Antimony, Total	92	-	85-115	-	
Arsenic, Total	98	-	85-115	-	
Barium, Total	94	-	85-115	-	
Beryllium, Total	108	-	85-115	-	
Cadmium, Total	109	-	85-115	-	
Chromium, Total	100	-	85-115	-	
Copper, Total	108	-	85-115	-	
Lead, Total	95	-	85-115	-	
Manganese, Total	97	-	85-115	-	
Nickel, Total	104	-	85-115	-	
Selenium, Total	110	-	85-115	-	
Silver, Total	99	-	85-115	-	
Thallium, Total	102	-	85-115	-	
Vanadium, Total	103	-	85-115	-	
Zinc, Total	108	-	85-115	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 Batch: WG795524-2						
Aluminum, Total	94		-	85-115	-	
Antimony, Total	**123**	Q	-	85-115	-	
Arsenic, Total	92		-	85-115	-	
Barium, Total	92		-	85-115	-	
Beryllium, Total	109		-	85-115	-	
Cadmium, Total	104		-	85-115	-	
Chromium, Total	113		-	85-115	-	
Copper, Total	99		-	85-115	-	
Lead, Total	115		-	85-115	-	
Manganese, Total	114		-	85-115	-	
Nickel, Total	104		-	85-115	-	
Selenium, Total	103		-	85-115	-	
Silver, Total	88		-	85-115	-	
Thallium, Total	107		-	85-115	-	
Vanadium, Total	112		-	85-115	-	
Zinc, Total	107		-	85-115	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES

Project Number: 2015886

Lab Number: L1513410

Report Date: 06/26/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 Batch: WG795560-2					
Calcium, Total	86	-	85-115	-	
Cobalt, Total	94	-	85-115	-	
Magnesium, Total	89	-	85-115	-	
Potassium, Total	91	-	85-115	-	
Sodium, Total	91	-	85-115	-	
Total Metals - Westborough Lab Associated sample(s): 06 Batch: WG796342-2					
Iron, Total	100	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG793899-4 QC Sample: L1513214-01 Client ID: MS Sample												
Mercury, Total	ND	0.149	0.20	**134**	Q	-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG794376-4 QC Sample: L1513394-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0050	101		-	-		70-130	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794720-4 QC Sample: L1513607-01 Client ID: MS Sample										
Aluminum, Total	2400	161	2500	**62**	Q	-	-	75-125	-	20
Antimony, Total	150	40.3	70	**0**	Q	-	-	75-125	-	20
Arsenic, Total	13.	9.66	22	93		-	-	75-125	-	20
Barium, Total	48.	161	220	107		-	-	75-125	-	20
Beryllium, Total	0.28J	4.03	4.1	102		-	-	75-125	-	20
Cadmium, Total	2.2	4.11	4.0	**44**	Q	-	-	75-125	-	20
Calcium, Total	12000	805	20000	**993**	Q	-	-	75-125	-	20
Chromium, Total	240	16.1	280	**248**	Q	-	-	75-125	-	20
Cobalt, Total	17.	40.3	50	82		-	-	75-125	-	20
Copper, Total	2100	20.1	3600	**7450**	Q	-	-	75-125	-	20
Iron, Total	140000	80.5	130000	**0**	Q	-	-	75-125	-	20
Lead, Total	2900	41.1	2700	**0**	Q	-	-	75-125	-	20
Magnesium, Total	1000	805	1800	99		-	-	75-125	-	20
Manganese, Total	3500	40.3	3700	**497**	Q	-	-	75-125	-	20
Nickel, Total	95.	40.3	110	**37**	Q	-	-	75-125	-	20
Potassium, Total	300	805	1500	**149**	Q	-	-	75-125	-	20
Selenium, Total	ND	9.66	5.5	**57**	Q	-	-	75-125	-	20
Silver, Total	0.84	24.2	31	125		-	-	75-125	-	20
Sodium, Total	2100	805	4900	**348**	Q	-	-	75-125	-	20
Thallium, Total	ND	9.66	5.1	**53**	Q	-	-	75-125	-	20
Vanadium, Total	14.	40.3	76	**154**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794720-4 QC Sample: L1513607-01 Client ID: MS Sample										
Zinc, Total	120	40.3	180	**149**	Q	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG794997-4 QC Sample: L1511935-50 Client ID: MS Sample										
Calcium, Total	18.	10	27	90		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.534	107		-	-	75-125	-	20
Iron, Total	ND	1	1.0	100		-	-	75-125	-	20
Magnesium, Total	6.2	10	16	98		-	-	75-125	-	20
Potassium, Total	20.	10	30	100		-	-	75-125	-	20
Sodium, Total	140	10	150	100		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG795003-4 QC Sample: L1513410-04 Client ID: SW-1										
Aluminum, Total	0.01527J	2	1.01	**50**	Q	-	-	70-130	-	20
Antimony, Total	0.00324J	0.5	0.488	98		-	-	70-130	-	20
Arsenic, Total	0.00057J	0.12	0.127	106		-	-	70-130	-	20
Barium, Total	0.01394	2	1.94	96		-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0547	109		-	-	70-130	-	20
Cadmium, Total	ND	0.051	0.0560	110		-	-	70-130	-	20
Chromium, Total	ND	0.2	0.203	102		-	-	70-130	-	20
Copper, Total	0.00052J	0.25	0.274	110		-	-	70-130	-	20
Lead, Total	ND	0.51	0.553	108		-	-	70-130	-	20
Manganese, Total	0.05567	0.5	0.548	98		-	-	70-130	-	20
Nickel, Total	ND	0.5	0.523	105		-	-	70-130	-	20
Selenium, Total	ND	0.12	0.132	110		-	-	70-130	-	20
Silver, Total	ND	0.05	0.0496	99		-	-	70-130	-	20
Thallium, Total	ND	0.12	0.108	90		-	-	70-130	-	20
Vanadium, Total	0.00010J	0.5	0.523	105		-	-	70-130	-	20
Zinc, Total	ND	0.5	0.552	110		-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG795524-4 QC Sample: L1513410-06 Client ID: SW-3										
Aluminum, Total	0.0364	2	1.70	83		-	-	70-130	-	20
Antimony, Total	0.00280J	0.5	0.632	126		-	-	70-130	-	20
Arsenic, Total	0.00032J	0.12	0.122	102		-	-	70-130	-	20
Barium, Total	0.01869	2	2.20	109		-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0566	113		-	-	70-130	-	20
Cadmium, Total	ND	0.051	0.0535	105		-	-	70-130	-	20
Chromium, Total	0.00569J	0.2	0.258	129		-	-	70-130	-	20
Copper, Total	0.00069J	0.25	0.257	103		-	-	70-130	-	20
Lead, Total	ND	0.51	0.428	84		-	-	70-130	-	20
Manganese, Total	0.0448	0.5	0.758	**143**	Q	-	-	70-130	-	20
Nickel, Total	0.004J	0.5	0.555	111		-	-	70-130	-	20
Selenium, Total	ND	0.12	0.134	112		-	-	70-130	-	20
Silver, Total	ND	0.05	0.0469	94		-	-	70-130	-	20
Thallium, Total	ND	0.12	0.126	105		-	-	70-130	-	20
Vanadium, Total	ND	0.5	0.584	117		-	-	70-130	-	20
Zinc, Total	ND	0.5	0.576	115		-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG795560-4 QC Sample: L1513410-06 Client ID: SW-3									
Calcium, Total	20.	10	29	90	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.456	91	-	-	75-125	-	20
Magnesium, Total	2.4	10	11	86	-	-	75-125	-	20
Potassium, Total	0.94J	10	10	100	-	-	75-125	-	20
Sodium, Total	16.	10	26	100	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG796342-4 QC Sample: L1513663-03 Client ID: MS Sample									
Iron, Total	ND	1	1.1	110	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG793899-3 QC Sample: L1513214-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG794376-3 QC Sample: L1513394-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794720-3 QC Sample: L1513607-01 Client ID: DUP Sample						
Lead, Total	2900	3000	mg/kg	3		20
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG794997-3 QC Sample: L1511935-50 Client ID: DUP Sample						
Calcium, Total	18.	17	mg/l	6		20
Cobalt, Total	ND	ND	mg/l	NC		20
Iron, Total	ND	ND	mg/l	NC		20
Magnesium, Total	6.2	6.0	mg/l	3		20
Potassium, Total	20.	20	mg/l	0		20
Sodium, Total	140	140	mg/l	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG795003-3 QC Sample: L1513410-04 Client ID: SW-1					
Aluminum, Total	0.01527J	0.01787J	mg/l	NC	20
Antimony, Total	0.00324J	0.00155J	mg/l	NC	20
Arsenic, Total	0.00057J	0.00051J	mg/l	NC	20
Barium, Total	0.01394	0.01419	mg/l	2	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Copper, Total	0.00052J	0.00076J	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Manganese, Total	0.05567	0.05620	mg/l	1	20
Nickel, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Vanadium, Total	0.00010J	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG795003-3 QC Sample: L1513410-04 Client ID: SW-1					
Thallium, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG795524-3 QC Sample: L1513410-06 Client ID: SW-3						
Aluminum, Total	0.0364	0.0350	mg/l	4		20
Antimony, Total	0.00280J	0.00031J	mg/l	NC		20
Arsenic, Total	0.00032J	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00569J	0.00552J	mg/l	NC		20
Copper, Total	0.00069J	0.00063J	mg/l	NC		20
Manganese, Total	0.0448	0.0564	mg/l	**23**	Q	20
Nickel, Total	0.004J	0.00344J	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	ND	ND	mg/l	NC		20
Zinc, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG795524-3 QC Sample: L1513410-06 Client ID: SW-3						
Barium, Total	0.01869	0.02102	mg/l	12		20
Lead, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG795560-3 QC Sample: L1513410-06 Client ID: SW-3					
Calcium, Total	20.	20	mg/l	0	20
Cobalt, Total	ND	ND	mg/l	NC	20
Magnesium, Total	2.4	2.5	mg/l	4	20
Potassium, Total	0.94J	0.98J	mg/l	NC	20
Sodium, Total	16.	17	mg/l	6	20

INORGANICS
&
MISCELLANEOUS

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886
Lab Number: L1513410
Report Date: 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-01
Client ID: SED-1
Sample Location: ULSTER COUNTY, NY
Matrix: Soil
Date Collected: 06/15/15 10:45
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.1		%	0.100	NA	1	-	06/16/15 19:50	30,2540G	RT

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886
Lab Number: L1513410
Report Date: 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-02
Client ID: SED-2
Sample Location: ULSTER COUNTY, NY
Matrix: Soil

Date Collected: 06/15/15 10:50
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.5		%	0.100	NA	1	-	06/16/15 19:50	30,2540G	RT

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886
Lab Number: L1513410
Report Date: 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-03
Client ID: SED-3
Sample Location: ULSTER COUNTY, NY
Matrix: Soil

Date Collected: 06/15/15 10:55
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.7		%	0.100	NA	1	-	06/16/15 19:50	30,2540G	RT

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886
Lab Number: L1513410
Report Date: 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-04
Client ID: SW-1
Sample Location: ULSTER COUNTY, NY
Matrix: Dw

Date Collected: 06/15/15 12:20
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Bacteria in Water - Westborough Lab										
Coliform, Total	Positive		col/100ml	-	NA	1	-	06/16/15 02:30	30,9223B	DE
Escherichia Coli	Positive		col/100ml	-	NA	1	-	06/16/15 02:30	30,9223B	DE

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886
Lab Number: L1513410
Report Date: 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-05
Client ID: SW-2
Sample Location: ULSTER COUNTY, NY
Matrix: Dw

Date Collected: 06/15/15 12:40
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Bacteria in Water - Westborough Lab										
Coliform, Total	Positive		col/100ml	-	NA	1	-	06/16/15 02:30	30,9223B	DE
Escherichia Coli	Positive		col/100ml	-	NA	1	-	06/16/15 02:30	30,9223B	DE

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886
Lab Number: L1513410
Report Date: 06/26/15

SAMPLE RESULTS

Lab ID: L1513410-06
Client ID: SW-3
Sample Location: ULSTER COUNTY, NY
Matrix: Dw

Date Collected: 06/15/15 13:00
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Bacteria in Water - Westborough Lab										
Coliform, Total	Positive		col/100ml	-	NA	1	-	06/16/15 02:30	30,9223B	DE
Escherichia Coli	Positive		col/100ml	-	NA	1	-	06/16/15 02:30	30,9223B	DE

Project Name: SUMMIT RESEVOIR SW/SED SAMPLE
Lab Number: L1513410
Project Number: 2015886
Report Date: 06/26/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Bacteria in Water - Westborough Lab for sample(s): 04-06 Batch: WG794184-1										
Coliform, Total	Negative		col/100ml	-	NA	1	-	06/16/15 02:30	30,9223B	DE
Escherichia Coli	Negative		col/100ml	-	NA	1	-	06/16/15 02:30	30,9223B	DE

Lab Duplicate Analysis
Batch Quality Control

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794212-1 QC Sample: L1513116-22 Client ID: DUP Sample						
Solids, Total	85.0	86.4	%	2		20

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513410-01A	Glass 120ml/4oz unpreserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1513410-01B	Glass 250ml/8oz unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513410-02A	Glass 120ml/4oz unpreserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1513410-02B	Glass 250ml/8oz unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513410-03A	Glass 120ml/4oz unpreserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1513410-03B	Glass 250ml/8oz unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: SUMMIT RESEVOIR SW/SED SAMPLES
Project Number: 2015886

Lab Number: L1513410
Report Date: 06/26/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513410-04A	Plastic 250ml HNO3 preserved	A	<2	4.1	Y	Absent	AL-2008T(180),CD-2008T(180),CA-UI(180),MN-2008T(180),NI-2008T(180),BE-2008T(180),CO-UI(180),K-UI(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),MG-UI(180),V-2008T(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),BA-2008T(180),NA-UI(180),CR-2008T(180),PB-2008T(180),SB-2008T(180),TL-2008T(180)
L1513410-04B	Bacteria Cup Na2S2O3 preserved	B	N/A	4.7	Y	Absent	T-COLI-C(1.25)
L1513410-05A	Plastic 250ml HNO3 preserved	A	<2	4.1	Y	Absent	AL-2008T(180),CD-2008T(180),CA-UI(180),MN-2008T(180),NI-2008T(180),BE-2008T(180),CO-UI(180),K-UI(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),MG-UI(180),V-2008T(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),BA-2008T(180),NA-UI(180),CR-2008T(180),PB-2008T(180),SB-2008T(180),TL-2008T(180)
L1513410-05B	Bacteria Cup Na2S2O3 preserved	B	N/A	4.7	Y	Absent	T-COLI-C(1.25)
L1513410-06A	Plastic 250ml HNO3 preserved	A	<2	4.1	Y	Absent	AL-2008T(180),CD-2008T(180),CA-UI(180),MN-2008T(180),NI-2008T(180),BE-2008T(180),CO-UI(180),K-UI(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),MG-UI(180),V-2008T(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),BA-2008T(180),NA-UI(180),CR-2008T(180),PB-2008T(180),SB-2008T(180),TL-2008T(180)
L1513410-06B	Bacteria Cup Na2S2O3 preserved	B	N/A	4.7	Y	Absent	T-COLI-C(1.25)

*Values in parentheses indicate holding time in days

Project Name:	SUMMIT RESEVOIR SW/SED SAMPLES	**Lab Number:**	L1513410
Project Number:	2015886	**Report Date:**	06/26/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUMMIT RESEVOIR SW/SED SAMPLES	**Lab Number:**	L1513410
Project Number:	2015886	**Report Date:**	06/26/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SUMMIT RESEVOIR SW/SED SAMPLES	**Lab Number:**	L1513410
Project Number:	2015886	**Report Date:**	06/26/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab: 6/15/15

ALPHA Job #: L1513410

Client Information

Client: CT Male
Address: 50 Century Hill Drive
Latham, NY 12110
Phone: 518-786-7400
Fax: 518-786-7299
Email: d.achtyl@ctmale.com

Project Information

Project Name: Summit Resevior SW/Sed Samples
Project Location: Ulster County, NY
Project #: 2015886
(Use Project name as Project #) ☐
Project Manager: Candice Fox
ALPHAQuote #: 2015886

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☑ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☑ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other: NA

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Metals + Hg	SUB-E.Coli	TCL VOCs	TCL Pests (Do Mirex)	Total Solids SM 2540	TCL PCBs	~~TPH EPA 9071~~	Sample Specific Comments	Total Bottles
L1513410-01	SED-1	6/15/15	1045	SED	DA	X		X	X	X	X			2
02	SED-2	"	1050	"	DA	X		X	X	X	X			2
03	SED-3	"	1055	"	DA	X		X	X	X	X			2
04	SW-1	"	1220	Water	DA	X	X							2
05	SW-2	"	1240	"	DA	X	X							2
06	SW-3	"	1300	"	DA	X	X							2
Container Type						P	P	A	A	A	A	A		
Preservative						C	B	A	A	A	A	A		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	6/15/15 1500		6/15/15 1500
	6-15-15 2140		6-15-15 2140
	6-16-15 0625		6/16/15 0625

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

Attachment C
Summary Tables

TABLE 1
SURFACE WATER ANALYTICAL RESULTS SUMMARY
SUMMIT RESERVOIR SITE
VILLAGE OF PHILMONT, NEW YORK
C.T. MALE PROJECT NO. 15.5270

PARAMETER	NY-AWQS - Class GA[1]	NY-AWQS - Class A[2]	Units	SW-1 6/15/2015 L1513410-04		SW-2 6/15/2015 L1513410-05		SW-3 6/15/2015 L1513410-06	
				Result	Qual	Result	Qual	Result	Qual
Bacteria in Water									
Coliform, Total	No Standard	No Standard	col/100ml	Positive	Positive	Positive	Positive	Positive	Positive
Escherichia Coli	No Standard	No Standard	col/100ml	Positive	Positive	Positive	Positive	Positive	Positive
Total Metals									
Aluminum, Total	No Standard	100[3]	ug/l	15.27	J	59.52		36.4	
Antimony, Total	3	3	ug/l	**3.24**	J	**3.08**	J	2.8	J
Arsenic, Total	25	50	ug/l	0.57	J	0.33	J	0.32	J
Barium, Total	1,000	1,000	ug/l	13.94		15.67		18.69	
Calcium, Total	No Standard	No Standard	ug/l	21,000		20,000		20,000	
Chromium, Total	50	50	ug/l	6	U	0.26	J	5.69	J
Copper, Total	200	200	ug/l	0.52	J	0.54	J	0.69	J
Iron, Total	300[4]	300[4]	ug/l	190		160		**340**	
Magnesium, Total	35,000[5]	35,000	ug/l	2,700		2,600		2,400	
Manganese, Total	300[4]	300[4]	ug/l	55.67		46.65		44.8	
Nickel, Total	100	100	ug/l	4	U	4	U	3.58	J
Potassium, Total	No Standard	No Standard	ug/l	1,800	J	1,300	J	940	J
Sodium, Total	20,000	No Standard	ug/l	19,000		18,000		16,000	
Vanadium, Total	No Standard	14[3]	ug/l	0.1	J	0.12	J	5	U
Zinc, Total	2,000[5]	2,000[5]	ug/l	5	U	2.02	J	5	U

Notes:

NY-AWQS - New York TOGS 111 Ambient Water Quality Standards, June 1998

[1]Type H(WS); Protection for Source of Drinking Water (groundwater).

[2]Type H(WS); Protection for Source of Drinking Water (surface water).

[3]Type A(C); Protection for Fish Propagation (fresh waters).

[4]Type E; Protection for Aesthetic (fresh waters).

[5]Guidance Value.

U - Not detected at the reported detection limit for the sample.

J - This represents an estimated concentration.

BOLD indicates a laboratory detection above the Class GA standard or guidance value.

Gray shading indicates a laboratory detection above the Class A standard or guidance value.

TABLE 2
SEDIMENT ANALYTICAL RESULTS SUMMARY
SUMMIT RESERVOIR SITE
VILLAGE OF PHILMONT, NEW YORK
C.T. MALE PROJECT NO. 15.5270

PARAMETER	SCO Protection of Ecological Resources [2]	Freshwater Sediment Guidance Values [1] Class A	Freshwater Sediment Guidance Values [1] Class B	Freshwater Sediment Guidance Values [1] Class C	Units	SED-1 6/15/2015 L1513410-01 Result	Qual	SED-2 6/15/2015 L1513410-02 Result	Qual	SED-3 6/15/2015 L1513410-03 Result	Qual
General Chemistry											
Solids, Total	No Standard	No Standard	No Standard	No Standard	%	70.1		66.5		73.7	
Organochlorine Pesticides by GC											
None Detected above Laboratory Limits											
Polychlorinated Biphenyls by GC											
None Detected above Laboratory Limits											
Total Metals											
Aluminum, Total	No Standard	No Standard	No Standard	No Standard	mg/kg	15,000		14,000		14,000	
Arsenic, Total	13	<10	10-33	>33	mg/kg	**14**		12		11	
Barium, Total	433	No Standard	No Standard	No Standard	mg/kg	50		44		50	
Beryllium, Total	10	No Standard	No Standard	No Standard	mg/kg	0.42	J	0.40	J	0.41	J
Calcium, Total	No Standard	No Standard	No Standard	No Standard	mg/kg	840		930		960	
Chromium, Total	41	<43	43-110	>110	mg/kg	15		14		15	
Cobalt, Total	No Standard	No Standard	No Standard	No Standard	mg/kg	11		11		10	
Copper, Total	50	<32	32-150	>150	mg/kg	18		16		17	
Iron, Total	No Standard	No Standard	No Standard	No Standard	mg/kg	33,000		31,000		29,000	
Lead, Total	63	<36	36-130	>130	mg/kg	14		11		12	
Magnesium, Total	No Standard	No Standard	No Standard	No Standard	mg/kg	6,200		6,000		6,700	
Manganese, Total	1,600	No Standard	No Standard	No Standard	mg/kg	730		500		390	
Nickel, Total	30	<23	23-49	>49	mg/kg	23		22		21	
Potassium, Total	No Standard	No Standard	No Standard	No Standard	mg/kg	260	J	330		330	
Sodium, Total	No Standard	No Standard	No Standard	No Standard	mg/kg	220	U	38	J	40	J
Vanadium, Total	No Standard	No Standard	No Standard	No Standard	mg/kg	12		11		13	
Zinc, Total	109	<120	120-460	>460	mg/kg	76		74		72	
Volatile Organics by GC/MS											
1,2,3-Trichlorobenzene	No Standard	<0.23	0.23-2.8	>2.8	mg/kg	0.0005	J	0.0075	U	0.0068	U
1,2,4-Trichlorobenzene	No Standard	<35	35-55	>55	mg/kg	0.00048	J	0.0075	U	0.0068	U
1,2-Dichlorobenzene	No Standard	<0.28	0.280-2.5	>2.5	mg/kg	0.00032	J	0.0075	U	0.0068	U
1,3-Dichlorobenzene	No Standard	<1.8	1.8-7.1	>7.1	mg/kg	0.0003	J	0.0075	U	0.0068	U
Acetone	2.2	No Standard	No Standard	No Standard	mg/kg	0.0084	J	0.01	J	0.014	
Toluene	36	<.093	0.93-4.5	>4.5	mg/kg	0.00053	J	0.0022	U	0.002	U

Notes:
(1) NYSDEC Division of Fish, Wildlife and Marine Resources, Bureau of Habitat Screening and Assessment of Contaminated Sediment, June 24, 2014, Table 5
(2) NYSDEC 6 NYCRR Part 375 Environmental Remediation Programs, Dated December 14, 2006.
Concentrations expressed in mg/kg or parts per million (ppm).
U indicates that the parameter was analyzed but not detected.
J indicates an estimated value.
BOLD indicates a laboratory detection above the Part 375 standard.
Gray shading indicates a laboratory detection above the Class A Guidance Value.