Analytical Data Summary

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

December 2013

Prepared for:

Lockheed Martin Corporation
Syracuse, New York

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Acronyms and Abbreviations

bgs	Below Ground Surface
COPC	Constituent of Potential Concern
ELAP	Environmental Laboratory Accreditation Program
Lockheed Martin	Lockheed Martin Corporation
mg/kg	milligrams per kilogram
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OCDWEP	Onondaga County Department of Water Environment Protection
PCB	Polychlorinated Biphenyl
ppm	parts per million
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
SVOC	Semivolatile Organic Compound
Thruway	New York State Thruway
TPH	Total Petroleum Hydrocarbon
TOC	Total Organic Carbon
USEPA	United States Environmental Protection Agency
VCA	Voluntary Cleanup Agreement
VOC	Volatile Organic Carbon
WBBB	West Branch of Bloody Brook

1.0 Introduction

AECOM Technical Services Northeast, Inc. (AECOM) on behalf of Lockheed Martin Corporation (Lockheed Martin) has prepared this Analytical Data Summary for the West Branch of Bloody Brook (WBBB) site. This document presents an overview of biota, surface water, sediment, and soil data resulting from samples collected for the WBBB site. The Analytical Data Summary has been prepared based on sample collection that was completed at the site by Lockheed Martin, the New York State Department of Environmental Conservation (NYSDEC) and Onondaga County between 1994 and 2013.

Lockheed Martin issued a Remedial Action Work Plan (RAWP) in February 2013 for the WBBB site pursuant to a Voluntary Cleanup Agreement (VCA) between Lockheed Martin and the NYSDEC (Index #: D7-0001-01-09, effective July 20, 2002). While Lockheed Martin's activities have not caused the impacts that were addressed in the RAWP, Lockheed Martin has agreed to investigate them and evaluate and implement appropriate remedial actions.

The WBBB site is located in the Town of Salina and Village of Liverpool, Onondaga County, New York. A site location map and site area map are included as **Figures 1** and **2**, respectively. The site is defined as that portion of the WBBB and the surrounding area commencing on the southern boundary of the New York State Thruway (Thruway) and ending at Onondaga Lake Parkway.[1]

This Analytical Data Summary is limited to a discussion of sampling history and results of the sampling conducted at the site. Further information regarding the quality assurance/quality control program and the factors affecting mobility and distribution of the site related impacts are presented in the February 2013 RAWP prepared for the WBBB.

1.1 Sampling History

Environmental investigations along the WBBB were performed by the NYSDEC, Lockheed Martin and Onondaga County from September 1994 through August 2013. Investigations of water quality and biota within the WBBB were initiated by the NYSDEC in September 1994 (NYSDEC, 1996). In April 1996, NYSDEC shared the results of the 1994 investigations with Lockheed Martin. Lockheed Martin voluntarily conducted environmental investigations of sediment and

[1] The term "Site" in the VCA is defined as: a portion of the banks, surface waters, and sediments of the West and Middle Branches of Bloody Brook located in the Town of Salina, which commences downstream of Interstate 90, the New York State Thruway, and which extends generally southward past the confluence of the West Branch and the Middle Branch of Bloody Brook, and ends on the upstream side of Onondaga Lake Parkway. After examining data developed during remedial investigation work in the Middle Branch, NYSDEC determined that no further action was required for that branch of Bloody Brook. For this reason, the term "site" in this document relates only to those areas within the VCA Site where the remedial program continues to be implemented and remedial action is expected to occur.

surface water from May 1996 through January 2008 and soil sampling from November 2001 through August 2013. Lockheed Martin undertook these site investigations pursuant to a series of work plans approved by NYSDEC.

Early studies typically focused on polychlorinated biphenyls (PCBs), cadmium, copper, and mercury. In January 1997, NYSDEC concluded that the levels of cadmium were elevated in the WBBB, and PCBs, copper, and mercury did not pose a concern (NYSDEC, 1997). In 1999, a specific set of sediment samples was collected and analyzed for a more comprehensive list of organic and inorganic constituents. The results of the comprehensive analyses supported the NYSDEC focus on cadmium, which became the constituent of potential concern (COPC) for the site.

Below is a summary of the sampling activities that were completed at the site.

1.1.1 Biota, Surface Water and Sediment Sampling

Various biota, surface water, and sediment sampling activities have been conducted at the site since 1994 as described below:

- In September 1994, crayfish samples were collected by NYSDEC from locations along Bloody Brook and analyzed for inorganics and PCBs.
- In May 1996, Lockheed Martin and NYSDEC collected surface water samples from various locations along Bloody Brook. Analytes included inorganics and PCBs.
- From May 1996 to May 1999, Lockheed Martin and NYSDEC collected sediment samples within Bloody Brook. Samples were collected for various analyses including inorganics, PCBs, total organic carbon (TOC), total petroleum hydrocarbons (TPHs), volatile and semivolatile organic carbons (VOCs and SVOCs), pesticides, and herbicides.
- In January 2008, Lockheed Martin collected five sediment samples from culverts to support an Interim Remedial Measure (IRM). These samples were analyzed for Resource Conservation and Recovery Act (RCRA) characteristics and PCBs for disposal characterization.

The data from the biota, surface water, and sediment samples discussed above is presented in **Tables 1, 2, and 3** and on **Figures 3 through 9**.

1.1.2 Soil Sampling

As previously mentioned and discussed below, various soil sampling activities have been conducted at the site since 1996.

In October 1996, Onondaga County collected five soil samples from 0- to 6-inches in depth in conjunction with the installation of the gabions north of Brookview Lane (OCDDS-4, OCDDS-5, OCDDS-6, OCDDS-7, and OCDDS-10).

As described in the *West Branch of Bloody Brook Sediment Removal Certification Report* (BBL, 1997b), in April 1997, Lockheed Martin collected two soil samples (Pre-SS-P1 and Post-SS-P1) from the area within the easement which was used to construct a stockpile area for sediment being removed during the 1997 WBBB Sediment Removal Project.

In October 2001, NYSDEC collected two soil samples (EPSOIL-2 and EPSOIL-3) between the Thruway and the confluence of the West and Middle Branches and one sample downstream of the railroad tracks below the confluence of the West and Middle Branches of Bloody Brook (EPSOIL-4). These NYSDEC samples were all collected within the 0- to 12-inch depth interval.

In November 2001, Lockheed Martin collected soil samples from 12 locations between the Thruway and the confluence of the West and Middle Branches (SB-01 through SB-12). Additionally, Lockheed Martin collected soil samples at six other locations downstream of the confluence of the West and Middle Branches (SB-13 through SB-18). These Lockheed Martin samples were all collected from within the 0- to 12-inch depth interval and, where possible, between the 12- and 24-inch depth interval.

In June 2002, Lockheed Martin collected shallow soil samples from 32 locations from 0- to 2-inches in depth between the Thruway and the confluence of the West and Middle Branches (SB-19 through SB-50). These samples were collected in accordance with the NYSDEC-approved *Shallow Side Bank Surface Soil Sampling and Analysis Work Plan* (IT Corporation, 2002).

In November 2002, Lockheed Martin collected soil samples from 47 locations (SB-51 through SB-85 and SB-201 through SB-212). Sampling depths ranged from surface samples (0- to 2-inches) to 12 feet below ground surface (bgs). A total of 171 samples were collected. These samples were collected in accordance with the NYSDEC-approved *Phase III Side Bank Soil Investigation Work Plan* (Shaw, 2002).

In October and November 2003, Lockheed Martin collected soil samples from 82 locations. Sampling depths ranged from surface samples (0- to 2-inches) to 16 feet bgs. A total of 731 soil samples were collected. These samples were collected in accordance with the NYSDEC-approved *Phase IV Side Bank Soil Investigation Work Plan* (Shaw, 2003).

In November 2003, Onondaga County collected 20 soil samples from 10 locations (B-1 through B-10) as part of the Liverpool Pump Station Improvement Project. Samples were collected from various depth increments and analyzed for cadmium.

In April 2004, Lockheed Martin collected soil samples from 25 locations (borings SB-435 through SB-459). Sampling depths ranged from surface samples (0- to 2-inches) to 11.5 feet bgs. A total of 123 soil samples were collected. These samples were collected in accordance with the NYSDEC-approved *Phase IV-A Side Bank Soil Investigation Work Plan* (Shaw, 2004).

In December 2007, Lockheed Martin collected soil samples from five locations in the area between the existing WBBB channel and the former brook channel (borings SSSWP-1 through SSSWP-5). A single 2-foot core was collected from each of the five locations, and the cores were sampled from the 0- to 6-inch and 6- to 24-inch depth increments. These samples were collected in accordance with the NYSDEC-approved *Supplemental Soil Sampling Work Plan* (ARCADIS BBL, 2007).

In August and September 2009, Lockheed Martin collected and analyzed 75 soil samples from 12 sampling locations within properties along Floradale Road and Sunflower Drive that are located adjacent to the WBBB. The soil samples were collected and analyzed in coordination with Onondaga County Department of Water Environment Protection (OCDWEP) personnel to support an OCDWEP storm water drainage improvement project. In addition, two soil samples from two sampling locations were collected and analyzed for RCRA characteristics and PCBs for disposal characterization.

In April, May, and August 2011, Lockheed Martin collected and analyzed 427 soil samples from 93 sampling locations within the site. With NYSDEC approval, those samples were collected in accordance with the *Design Soil Investigation Work Plan* (Shaw, 2011). Sampling depths ranged from surface samples (0- to 6-inches) to 16 feet bgs. The soil sampling activities and associated analytical results are summarized in the *Design Soil Investigation Report* (Shaw, 2011).

In June and August 2013, Lockheed Martin collected and analyzed 88 soil samples from 36 locations within the site. With NYSDEC approval, those samples were collected in accordance with the December 2012 *Additional Design Soil Investigation Work Plan* (ADSI Work Plan). Subsequent to review of the data collected in June 2013, 12 additional soil samples to be collected from three new boring locations on two properties within the site were proposed by Lockheed Martin and approved by NYSDEC. The additional soil samples were collected by AECOM during the August 2013 sampling activities.

All soil samples, unless otherwise noted above, were submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory for cadmium analysis using United States Environmental Protection Agency (USEPA) Method 6010B. In addition, samples OCDDS-4 through OCDDS – 10 and Pre-SS-P1 and Post-SS-P1 were analyzed for PCBs using USEPA Method 8080.

Soil analytical data are summarized in **Tables 4A, 4B, 4C, and 5** and on **Figures 10A, 10B**, **and 10C**.

Tables

Table 1
Summary of Biota (Crayfish) Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	Station 4
Date Collected	Sep-94
Inorganics	
Aluminum	<200
Arsenic	<4.0
Cadmium	19
Chromium	<8.0
Copper	197
Iron	488
Lead	6
Manganese	958
Mercury	0.23
Nickel	<8.0
Selenium	<2.0
Titanium	<8.0
Zinc	99
Polychlorinated Biphenyls (PCBs)	
Aroclor-1221	<0.27
Arolclor-1016/1242	<0.27
Aroclor-1248	<0.27
Aroclor-1254	<0.27
Aroclor-1260	2.4
Total PCBs	2.4

Notes:

1. All concentrations are reported in parts per million (ppm).
2. For additional information on these analytical results see NYSDEC Memorandum by Robert Bode dated January 25, 1996.

Table 2
Summary of Surface Water Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	SW-05	SW-07
Date Collected	5/13/1996	5/13/1996
Inorganics		
Cadmium	<1.0	<1.0
Copper	6.6	5.3
Mercury	<0.10	<0.10
Polychlorinated Biphenyls (PCBs)		
Aroclor-1016	<0.064	<0.062
Aroclor-1221	<0.064	<0.062
Aroclor-1232	<0.064	<0.062
Arolclor-1242	<0.064	<0.062
Aroclor-1248	<0.064	<0.062
Aroclor-1254	<0.064	<0.062
Aroclor-1260	<0.064	<0.062
Total PCBs	<0.064	<0.062

Notes:

1. All surface water concentrations are reported in micrograms per liter (µg/L) or parts per billion (ppb).
2. For additional information on these analytical results see *Bloody Brook: Technical Evaluation of Sampling and Analysis Programs (* BBL, October 1996*).*

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	SD-05	SD-06	SD-07	SD-08	SD-09	SD-10	SD-11	SD-12	SD-13	OCDDS-8	OCDDS-9	OCDDS-13
Date Collected	5/31/1996	5/31/1996	5/31/1996	7/11/1996	7/11/1996	7/11/1996	7/11/1996	7/11/1996	7/11/1996	10/1/1996	10/1/1996	10/1/1996
Inorganics												
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	199 J	104 J	267 J	177	22.4 [18.4]	38.8	21.4	1.1 J	1.6	0.34 [0.33]	11.4	88.6
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	48.8 J	42.9 J	68.9 J	46.2 J	15.6 J [14.4 J]	29.6 J	20.6 J	30.6 J	35.6 J	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	<0.06	<0.06	0.17	<0.06	0.07 J [<0.07]	<0.06	<0.06	<0.06	0.07 J	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs)												
Aroclor-1016	NA	NA	NA	NA	<0.026 [<0.03]	<0.026	<0.028	<0.025	<0.027	NA	NA	NA
Aroclor-1221	NA	NA	NA	NA	<0.026 [<0.03]	<0.026	<0.028	<0.025	<0.027	NA	NA	NA
Aroclor-1232	NA	NA	NA	NA	<0.026 [<0.03]	<0.026	<0.028	<0.025	<0.027	NA	NA	NA
Arolclor-1242	NA	NA	NA	NA	<0.026 [<0.03]	<0.026	<0.028	<0.025	<0.027	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA	<0.026 [<0.03]	<0.026	<0.028	<0.025	<0.027	NA	NA	NA
Aroclor-1254	1.6	2.5	1.9	<0.026	<0.026 [<0.03]	<0.026	<0.028	<0.025	<0.027	NA	NA	NA
Aroclor-1260	0.98	1.9	2.3	0.33	0.3 [0.26]	0.55	0.24	0.11	0.13	NA	NA	NA
Total PCBs	2.58	4.4	4.2	0.33	0.28	0.55	0.24	0.11	0.13	<0.025 [<0.025]	0.44	7.9
Total Organic Carbon												
TOC	NA	NA	NA	15,000	24700 [18,200]	12,000	19,500	6,260	12,700	NA	NA	NA
Total Petroleum Hydrocarbons (TPHs)												
Lube Oil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fuel Oil 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kerosene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unknown Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Carbons (VOCs)												
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropronene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
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Onondaga County, New York

Sample ID	SD-05	SD-06	SD-07	SD-08	SD-09	SD-10	SD-11	SD-12	SD-13	OCDDS-8	OCDDS-9	OCDDS-13
Date Collected	5/31/1996	5/31/1996	5/31/1996	7/11/1996	7/11/1996	7/11/1996	7/11/1996	7/11/1996	7/11/1996	10/1/1996	10/1/1996	10/1/1996
Volatile Organic Carbons (VOCs)(cont'd)												
Dibromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-dichloropronene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total VOCs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Carbons (SVOCs)												
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronapthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnapthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-2'-oxybis(1-Chloropropane)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chorophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ntiroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl ether)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Butylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Octylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachrlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclonentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ideno(1,2,3-c,d)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-Cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	SD-05	SD-06	SD-07	SD-08	SD-09	SD-10	SD-11	SD-12	SD-13	OCDDS-8	OCDDS-9	OCDDS-13
Date Collected	5/31/1996	5/31/1996	5/31/1996	7/11/1996	7/11/1996	7/11/1996	7/11/1996	7/11/1996	7/11/1996	10/1/1996	10/1/1996	10/1/1996
Semivolatile Organic Carbons (SVOCs)(cont'd)												
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitroso-di-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total SVOCs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides												
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides												
2,4,5-TP (Silvex)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RCRA Characteristics												
Corrosivity (pH) (S.U.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HCN Released From Waste (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
H_2S Released From Waste (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	SD-17	SD-18	SD-19	SD-20	POST-1	POST-2	POST-3	SD-21 (0-6")	SD-21 (6-16")	SD-22	SD-23 (0-6")
Date Collected	4/18/1997	4/18/1997	4/18/1997	4/18/1997	4/25/1997	4/25/1997	4/25/1997	5/27/1999	5/27/1999	5/27/1999	5/27/1999
Inorganics											
Aluminum	NA	NA	NA	NA	NA	NA	NA	3,080	4,550	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	NA	<0.08 J	<1.0 J	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	4.2	5.2	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	23.7 J	39.7	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	0.27 J	0.4 J	NA	NA
Cadmium	30.1	2.6 [2.3]	37.7	5.7	2.7	1.0	1.1	3.9 J	1.1 J	4.4	1.9
Calcium	NA	NA	NA	NA	NA	NA	NA	87,100	66,000	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	17.2 J	11.3 J	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	4.2 J	5.5 J	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	38.6	84.9	18.3	26
Cyanide	NA	NA	NA	NA	NA	NA	NA	<0.65	<0.82	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	11,000	13,900	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	54.2 J	48.3 J	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	10,700 J	10,800 J	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	516 J	367 J	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	0.13	0.15 J	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	10.8	12.7	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	378 J	650 J	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	<0.4 J	0.56 J	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	0.16 J	<0.17	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	257 J	131 J	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	1.1 J	<1.0	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	7.5	11.8	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	105 J	340 J	NA	NA
Polychlorinated Biphenyls (PCBs)											
Aroclor-1016	NA	NA	NA	NA	<0.023	<0.024	<0.029	<0.021	<0.027	NA	NA
Aroclor-1221	NA	NA	NA	NA	<0.023	<0.024	<0.029	<0.021	<0.027	NA	NA
Aroclor-1232	NA	NA	NA	NA	<0.023	<0.024	<0.029	<0.021	<0.027	NA	NA
Arolclor-1242	NA	NA	NA	NA	<0.023	<0.024	<0.029	<0.021	<0.027	NA	NA
Aroclor-1248	NA	NA	NA	NA	<0.023	<0.024	<0.029	<0.021	<0.027	NA	NA
Aroclor-1254	NA	NA	NA	NA	<0.023	<0.024	<0.029	<0.021	<0.027	NA	NA
Aroclor-1260	NA	NA	NA	NA	<0.023	<0.024	<0.029	0.07	0.29	NA	NA
Total PCBs	NA	NA	NA	NA	<0.023	<0.024	<0.029	0.07	0.29	NA	NA
Total Organic Carbon											
TOC	NA	NA	NA	NA	NA	12,700	19,500	13,000	165,000	NA	NA
Total Petroleum Hydrocarbons (TPHs)											
Lube Oil	NA	NA	NA	NA	<110	NA	NA	NA	NA	NA	NA
Fuel Oil 2	NA	NA	NA	NA	<20	NA	NA	NA	NA	NA	NA
Kerosene	NA	NA	NA	NA	<20	NA	NA	NA	NA	NA	NA
Gasoline	NA	NA	NA	NA	<20	NA	NA	NA	NA	NA	NA
Unknown Hydrocarbons	NA	NA	NA	NA	<20	NA	NA	NA	NA	NA	NA
Volatile Organic Carbons (VOCs)											
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
2-Butanone	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	<0.013	0.022	NA	NA
Benzene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
cis-1,3-Dichloropronene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	SD-17	SD-18	SD-19	SD-20	POST-1	POST-2	POST-3	SD-21 (0-6")	SD-21 (6-16")	SD-22	SD-23 (0-6")
Date Collected	4/18/1997	4/18/1997	4/18/1997	4/18/1997	4/25/1997	4/25/1997	4/25/1997	5/27/1999	5/27/1999	5/27/1999	5/27/1999
Volatile Organic Carbons (VOCs)(cont'd)											
Dibromodichloromethane	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Methyl Ethyl Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	<0.013	0.003	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
trans-1,3-dichloropronene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Vinyl Chloride	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	<0.013	<0.017	NA	NA
Total VOCs	NA	NA	NA	NA	NA	NA	NA	<0.013	0.025	NA	NA
Semivolatile Organic Carbons (SVOCs)											
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2-Chloronapthalene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2-Methylnapthalene	NA	NA	NA	NA	NA	NA	NA	0.41 J	0.13 J	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.6	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2-2'-oxybis(1-Chloropropane)	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.4	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.4	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	<0.42 J	<0.55	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
4-Chorophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
4-Ntiroaniline	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.4	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.4	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.4	NA	NA
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	2.1	0.78	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
Anthracene	NA	NA	NA	NA	NA	NA	NA	3.3	1.7	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	8.1 J	4	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	6.3 J	2.8	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	6.6 J	2.8	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	6.9 J	2.8	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	3.1	1.3	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
bis(2-Chloroethyl ether)	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	0.75	3	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA	NA	NA	NA	<0.42 J	<0.55	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	3.9	1.2	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	9.6 J	4.3	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	1.7 J	0.68	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	1.7	0.52 J	NA	NA
Diethylphthalate	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
Dimethylphthalate	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
di-n-Butylphthalate	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
di-n-Octylphthalate	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	30	10	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	2.7	1	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
Hexachlorocyclonentadiene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
Ideno(1,2,3-c,d)pyrene	NA	NA	NA	NA	NA	NA	NA	3.3 J	1.4	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
m-Cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	SD-17	SD-18	SD-19	SD-20	POST-1	POST-2	POST-3	SD-21 (0-6")	SD-21 (6-16")	SD-22	SD-23 (0-6")
Date Collected	4/18/1997	4/18/1997	4/18/1997	4/18/1997	4/25/1997	4/25/1997	4/25/1997	5/27/1999	5/27/1999	5/27/1999	5/27/1999
Semivolatile Organic Carbons (SVOCs)(cont'd)											
Naphthalene	NA	NA	NA	NA	NA	NA	NA	0.75	0.2 J	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
n-Nitroso-di-n-propylamine	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
n-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
o-Cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachorophenol	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.4	NA	NA
p-Cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	26	9.6	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	<0.42	<0.55	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	20	9	NA	NA
Pyridine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total SVOCs	NA	NA	NA	NA	NA	NA	NA	136.46	57.21	NA	NA
Pesticides											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	<0.043	<0.0048	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	0.0126 J	0.0048 J	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	<0.043	<0.0048	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
alpha-BHC	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
beta-BHC	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	<0.0043 J	<0.0054 J	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	<0.043	<0.0048	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	<0.043	<0.0048	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	<0.043	<0.0054	NA	NA
Endrin aldehyde	NA	NA	NA	NA	NA	NA	NA	<0.043	<0.0054	NA	NA
Endrin ketone	NA	NA	NA	NA	NA	NA	NA	<0.043	<0.0054	NA	NA
gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
Heptachlor epoxide	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.0027	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	<0.0021	<0.027	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	<0.21	<0.27	NA	NA
Herbicides											
2,4,5-TP (Silvex)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RCRA Characteristics											
Corrosivity (pH) (S.U.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HCN Released From Waste (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
H_2S Released From Waste (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	SD-23 (6-12")	SD-24 (0-6")	SD-24 (6-15")	SD-25 (0-6")	SD-26 (0-6")	SD-26 (6-14")	SD-27 (0-6")	SD-27 (6-8")	SD-29 (0-6")	SD-29 (6-18")
Date Collected	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**7/5/1999**	**7/5/1999**
Inorganics										
Aluminum	NA	NA	NA	7,610 [9,570]	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	<0.82 J [<0.94 J]	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	9.3 {14.5]	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	2,450 {1,780}	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	0.39 J [0.52 J]	NA	NA	NA	NA	NA	NA
Cadmium	1.4	1.6	2.7	174 J [117 J]	132	138	44.9	61.9	8.3	12.4
Calcium	NA	NA	NA	133,000 [104,000]	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	16.7 J [23.7 J]	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	5.8 J [6.9 J]	NA	NA	NA	NA	NA	NA
Copper	18.8	20.1	39.6	32.4 [44.3]	67.6	105	42.9	44.6	NA	NA
Cyanide	NA	NA	NA	<0.66 [<0.65]	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	14,800 [20,800]	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	110 J [142 J]	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	15,500 J [14,800J]	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	390 J [377 J]	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	<0.07 J [0.08 J]	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	10.3 [12.2]	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	2,030 J [2,610 J]	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	<0.41 J [<0.47 J]	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	0.45 J [<0.16]	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	248 J [288 J]	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	<0.82 [<0.94]	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	18 [22]	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	577 J [438 J]	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs)										
Aroclor-1016	NA	NA	NA	<2.2 [0.025]	NA	NA	NA	NA	NA	NA
Aroclor-1221	NA	NA	NA	<2.2 [0.025]	NA	NA	NA	NA	NA	NA
Aroclor-1232	NA	NA	NA	<2.2 [0.025]	NA	NA	NA	NA	NA	NA
Arolclor-1242	NA	NA	NA	<2.2 [0.025]	NA	NA	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	<2.2 [0.025]	NA	NA	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	<2.2 [0.025]	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	<2.2 [0.22]	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	0.66	NA	NA	NA	NA	NA	NA
Total Organic Carbon										
TOC	NA	NA	NA	20,300	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHs)										
Lube Oil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fuel Oil 2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kerosene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unknown Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Carbons (VOCs)										
1,1-Dichloroethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	0.028	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	0.12	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropronene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
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Sample ID	SD-23 (6-12")	SD-24 (0-6")	SD-24 (6-15")	SD-25 (0-6")	SD-26 (0-6")	SD-26 (6-14")	SD-27 (0-6")	SD-27 (6-8")	SD-29 (0-6")	SD-29 (6-18")
Date Collected	5/27/1999	5/27/1999	5/27/1999	5/27/1999	5/27/1999	5/27/1999	5/27/1999	5/27/1999	7/5/1999	7/5/1999
Volatile Organic Carbons (VOCs)(cont'd)										
Dibromodichloromethane	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	0.003	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
trans-1,3-dichloropronene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Total Xylenes	NA	NA	NA	<0.014	NA	NA	NA	NA	NA	NA
Total VOCs	NA	NA	NA	0.151	NA	NA	NA	NA	NA	NA
Semivolatile Organic Carbons (SVOCs)										
1,2-Dichlorobenzene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2-Chloronapthalene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2-Methylnapthalene	NA	NA	NA	0.62 [<0.50]	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	<1.1 [<1.3]	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2-2'-oxybis(1-Chloropropane)	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	<1.1 [<1.3]	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	<1.1 [<1.3]	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	<0.44 [<1.0]	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
4-Chorophenyl-phenylether	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
4-Ntiroaniline	NA	NA	NA	<1.1 [<1.3]	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	<1.1 [<1.3]	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	<1.1 [<1.3]	NA	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	2.5 [0.18 J]	NA	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	2.5 [0.33 J]	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	5.3 [0.89]	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	4 [0.76]	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	3.7 [0.74]	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	3.9 [0.82]	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	1.8 [0.3 J]	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl ether)	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
bis(2-ethylhexyl)phthalate	NA	NA	NA	0.4 J [0.29 J]	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	1.8 [0.25 J]	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	5.3 [0.96]	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	0.89 [0.06 J]	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	1.2 [0.10 J]	NA	NA	NA	NA	NA	NA
Diethylphthalate	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
Dimethylphthalate	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
di-n-Butylphthalate	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
di-n-Octylphthalate	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	13 [2.0]	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	1.6 [0.16 J]	NA	NA	NA	NA	NA	NA
Hexachrlorobenzene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
Hexachlorocyclonentadiene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
Ideno(1,2,3-c,d)pyrene	NA	NA	NA	1.8 [0.28 J]	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
m-Cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
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Sample ID	SD-23 (6-12")	SD-24 (0-6")	SD-24 (6-15")	SD-25 (0-6")	SD-26 (0-6")	SD-26 (6-14")	SD-27 (0-6")	SD-27 (6-8")	SD-29 (0-6")	SD-29 (6-18")
Date Collected	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**5/27/1999**	**7/5/1999**	**7/5/1999**
Semivolatile Organic Carbons (SVOCs)(cont'd)										
Naphthalene	NA	NA	NA	0.84 [0.069 J]	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
n-Nitroso-di-n-propylamine	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
o-Cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachorophenol	NA	NA	NA	<1.1 [<1.3]	NA	NA	NA	NA	NA	NA
p-Cresol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	13 [1.60]	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	<0.44 [<0.50]	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	11 [1.9]	NA	NA	NA	NA	NA	NA
Pyridine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total SVOCs	NA	NA	NA	75.15	NA	NA	NA	NA	NA	NA
Pesticides										
4,4'-DDD	NA	NA	NA	<0.044 [<0.005]	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	<0.044 [<0.005]	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	<0.044 [<0.005]	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	<0.022 [<0.0025]	NA	NA	NA	NA	NA	NA
alpha-BHC	NA	NA	NA	<0.022 [<0.003]	NA	NA	NA	NA	NA	NA
alpha-Chlordane	NA	NA	NA	<0.022 [<0.0025]	NA	NA	NA	NA	NA	NA
beta-BHC	NA	NA	NA	<0.022 [<0.0025]	NA	NA	NA	NA	NA	NA
Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	NA	NA	NA	<0.022 [<0.0025]	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	<0.044 [<0.005 J]	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	<0.022 [<0.0025]	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	<0.044 [<0.005]	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	<0.044 [<0.005]	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	<0.044 [<0.005]	NA	NA	NA	NA	NA	NA
Endrin aldehyde	NA	NA	NA	<0.044 [<0.005]	NA	NA	NA	NA	NA	NA
Endrin ketone	NA	NA	NA	<0.044 [<0.005]	NA	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	NA	NA	NA	<0.022 [<0.0025]	NA	NA	NA	NA	NA	NA
gamma-Chlordane	NA	NA	NA	<0.022 [<0.0025]	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	<0.022 [<0.0025]	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	NA	NA	NA	<0.022 [<0.0025]	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	<0.22 [<0.025]	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	<2.2 [<0.25]	NA	NA	NA	NA	NA	NA
Herbicides										
2,4,5-TP (Silvex)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RCRA Characteristics										
Corrosivity (pH) (S.U.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flashpoint (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HCN Released From Waste (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
H_2S Released From Waste (ppm)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Sediment Analytical Data

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Sample ID	SD-30 (0-6")	SD-30 (6-12")	B-2 (0-6")	SD-31 (0-2")	BROOK-COMP[8]	FLOR-COMP[8]	SUN-COMP[9]	PEARL-COMP[8]	TOWN-COMP[8]
Date Collected	7/5/1999	7/5/1999	11/25/2003	4/28/2004	1/24/2008	1/24/2008	1/24/2008	1/24/2008	1/24/2008
Inorganics									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	<0.010	<0.010	<0.010	<0.010	<0.010
Barium	NA	NA	NA	NA	2.8	2.1	2.2	1.6	1.8
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	10.2	8.2	2.8	<1.1	0.076	0.082	0.021	0.057	0.023
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	<0.0040	<0.0040	<0.0040	0.011	0.0051
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	<0.0050	<0.0050	<0.0050	0.059	0.0175
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	<0.015	<0.015	<0.015	<0.015	<0.015
Silver	NA	NA	NA	NA	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs)									
Aroclor-1016	NA	NA	NA	NA	<0.018	<0.099	<0.041	<1.3	<0.048
Aroclor-1221	NA	NA	NA	NA	<0.018	<0.099	<0.041	<1.3	<0.048
Aroclor-1232	NA	NA	NA	NA	<0.018	<0.099	<0.041	<1.3	<0.048
Arolclor-1242	NA	NA	NA	NA	<0.018	<0.099	<0.041	<1.3	<0.048
Aroclor-1248	NA	NA	NA	NA	<0.018	<0.099	<0.041	<1.3	<0.048
Aroclor-1254	NA	NA	NA	NA	<0.018	<0.099	<0.041	<1.3	<0.048
Aroclor-1260	NA	NA	NA	NA	0.27	0.85	0.78	<1.3	0.95
Total PCBs	NA	NA	NA	NA	0.27	0.85	0.78	<1.3	0.95
Total Organic Carbon									
TOC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHs)									
Lube Oil	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fuel Oil 2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kerosene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	NA	NA	NA	NA	NA	NA	NA	NA	NA
Unknown Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Carbons (VOCs)									
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA	<0.05	<0.05	<0.05	<0.05	<0.05
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzene	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
cis-1,3-Dichloropronene	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	SD-30 (0-6")	SD-30 (6-12")	B-2 (0-6")	SD-31 (0-2")	BROOK-COMP[8]	FLOR-COMP[8]	SUN-COMP[9]	PEARL-COMP[8]	TOWN-COMP[8]
Date Collected	**7/5/1999**	**7/5/1999**	**11/25/2003**	**4/28/2004**	**1/24/2008**	**1/24/2008**	**1/24/2008**	**1/24/2008**	**1/24/2008**
Volatile Organic Carbons (VOCs)(cont'd)									
Dibromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
trans-1,3-dichloropronene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total VOCs	NA	NA	NA	NA	None Detected	None Detected	None Detected	None Detected	None Detected
Semivolatile Organic Carbons (SVOCs)									
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	<0.040	<0.040	<0.040	<0.040	<0.040
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronapthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnapthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-2'-oxybis(1-Chloropropane)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020
2,4,5-Trichlorophenol	NA	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020
2,4,6-Trichlorophenol	NA	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chorophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ntiroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl ether)	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Butylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-Octylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachrlorobenzene	NA	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020
Hexachlorobutadiene	NA	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020
Hexachlorocyclonentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020
Ideno(1,2,3-c,d)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-Cresol	NA	NA	NA	NA	<0.040	<0.040	<0.040	<0.040	<0.040

Table 3
Summary of Sediment Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID	SD-30 (0-6")	SD-30 (6-12")	B-2 (0-6")	SD-31 (0-2")	BROOK-COMP[8]	FLOR-COMP[8]	SUN-COMP[9]	PEARL-COMP[8]	TOWN-COMP[8]
Date Collected	**7/5/1999**	**7/5/1999**	**11/25/2003**	**4/28/2004**	**1/24/2008**	**1/24/2008**	**1/24/2008**	**1/24/2008**	**1/24/2008**
Semivolatile Organic Carbons (SVOCs)(cont'd)									
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020
n-Nitroso-di-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Cresol	NA	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020
Pentachorophenol	NA	NA	NA	NA	<0.040	<0.040	<0.040	<0.040	<0.040
p-Cresol	NA	NA	NA	NA	<0.020	<0.020	<0.020	0.0016 J	<0.020
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	NA	NA	NA	NA	<0.10	<0.10	<0.10	<0.10	<0.10
Total SVOCs	NA	NA	NA	NA	None Detected	None Detected	None Detected	0.0016	None Detected
Pesticides									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane	NA	NA	NA	NA	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Endrin aldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	NA	NA	NA	NA	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Heptachlor epoxide	NA	NA	NA	NA	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Methoxychlor	NA	NA	NA	NA	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Toxaphene	NA	NA	NA	NA	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Herbicides									
2,4,5-TP (Silvex)	NA	NA	NA	NA	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
2,4-D	NA	NA	NA	NA	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
RCRA Characteristics									
Corrosivity (pH) (S.U.)	NA	NA	NA	NA	7.74	7.50	7.59	7.28	7.05
Flashpoint (°F)	NA	NA	NA	NA	>176	>176	>176	>176	>176
HCN Released From Waste (ppm)	NA	NA	NA	NA	<10	<10	<10	<10	<10
H_2S Released From Waste (ppm)	NA	NA	NA	NA	<10	<10	<10	<10	<10

Notes:

1. All sediment concentrations are reported in parts per million (ppm).
2. For additional information on analytical data see *Bloody Brook: Technical Evaluation of Sampling and Analysis Programs* (BBL, October 1996); Onondaga County Office of the Environment letter to NYSDEC and NYSDOH (October 29, 1996); *West Branch of Bloody Brook Sediment Removal Certification Report* (BBL, November 1997); *Phase IV Side Bank Soil Investigation Work Plan Bloody Brook, Onondaga County, New York* (Shaw, July 2003); *Liverpool Pump Station Improvements Cadmium-Related Soil/Sediment Investigation* (BBL, January 2004); *and Final Interim Remedial Measure Work Plan, Culvert Sediment Removal, Bloody Brook, Onondaga County, New York* (Shaw, April 2008).
3. Duplicate results are presented in brackets.
4. J - Estimated
5. D - Diluted analysis
6. NA - Not Analyzed
7. RCRA - Resource Conservation and Recovery Act.
8. Sample was collected as part of the 2008 Interim Removal Measure for waste characterization and was analyzed using the Toxicity Characteristic Leaching Procedure. In addition, the sample was analyzed for PCBs and RCRA characteristics.

Table 4A
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
DI-01-01	G9	0' - 1'	Cadmium	385.50	375.85	384.50	Above	Sandy silt, organics and wood	5/2/2011	0.15 J
		1' - 2'	Cadmium		375.85	383.50	Above	Sandy silt	5/2/2011	0.059 J [0.19 J]
		2' - 3'	Cadmium		375.85	382.50	Above	Sandy silt	5/2/2011	0.11 J
		3' - 4'	Cadmium		375.85	381.50	Above	Sandy silt	5/2/2011	0.047 J
		4' - 5'	Cadmium		375.85	380.50	Above	Sandy silt	5/2/2011	0.11 J
		5' - 6'	Cadmium		375.85	379.50	Above	Sandy silt	5/2/2011	0.060 J
		6' - 7'	Cadmium		375.85	378.50	Above	Silty sand with little clay, Sandy silt with organics at 6'-8"	5/2/2011	0.19 J
		7' - 8'	Cadmium		375.85	377.50	Above	Silt with little clay	5/2/2011	0.079 J
		8' - 9'	Cadmium		375.85	376.50	Above	Grades to fine sand, little silt, silt with organics at 8'-10"	5/2/2011	3.1
		9' - 10'	Cadmium		375.85	375.50	At	Organics with some silt, trace sand, trace clay	5/2/2011	2,450
		10' - 11'	Cadmium		375.85	374.50	Below	Grades to fine sand with white crystals, little silt	5/2/2011	2.6
		11' - 12'	Cadmium		375.85	373.50	Below	Medium to fine sand	5/2/2011	0.49 B
		12' - 13'	Cadmium		375.85	372.50	Below	Medium to fine sand	5/2/2011	13.8
DI-01-02	G9	8' - 9'	Cadmium	386.29	375.82	377.29	Above	Silty clay	4/27/2011	0.40
		9' - 10'	Cadmium		375.82	376.29	Below	Silty clay	4/27/2011	0.12 J
		10' - 11'	Cadmium		375.82	375.29	At	Sandy silt, little clay at 10'-2"	4/27/2011	0.26
		11' - 12'	Cadmium		375.82	374.29	Below	Sandy silt, little clay, organics	4/27/2011	12.9
		12' - 13'	Cadmium		375.82	373.29	Below	Silty clay	4/27/2011	1.1
		13' - 14'	Cadmium		375.82	372.29	Below	Silty clay	4/27/2011	2.8
		14' - 15'	Cadmium		375.82	371.29	Below	Silty clay, organics	4/27/2011	18.8
DI-02-01	E9	0' - 1'	Cadmium	378.97	374.00	377.97	Above	Clayey silt, silt, gabion rock	4/27/2011	22
		1' - 2'	Cadmium		374.00	376.97	Above	Clayey silt, silty clay	4/27/2011	1.7
		2' - 3'	Cadmium		374.00	375.97	Above	Clayey silt, silty clay	4/27/2011	0.21 J
		3' - 4'	Cadmium		374.00	374.97	Above	Clayey silt, sandy silt	4/27/2011	0.13 J
		4' - 5'	Cadmium		374.00	373.97	At	Sandy silt, clayey silt	4/27/2011	0.16 J
		5' - 6'	Cadmium		374.00	372.97	Below	Clayey silt, sandy silt, silt	4/27/2011	1.1
		6' - 7'	Cadmium		374.00	371.97	Below	Sandy silt, silt, clayey silt	4/27/2011	2.9
		7' - 8'	Cadmium		374.00	370.97	Below	Silty clay, clay, sandy silt, silty sand, organics	4/27/2011	0.49
		8' - 9'	Cadmium		374.00	369.97	Below	Till	5/2/2011	0.47 B
		9' - 10'	Cadmium		374.00	368.97	Below	Till	5/2/2011	0.27 B
DI-02-02	E9	0' - 1'	Cadmium	379.40	374.00	378.40	Above	Clayey silt, silt	4/27/2011	0.80
		1' - 2'	Cadmium		374.00	377.40	Above	Clayey silt	4/27/2011	0.070 J
DI-03-01	D12	0' - 1'	Cadmium	378.75	371.37	377.75	Above	Silt, little fine sand, trace clay	4/27/2011	0.45 B
		1' - 2'	Cadmium		371.37	376.75	Above	Silt, little fine sand, trace clay	4/27/2011	<0.26 U
		2' - 3'	Cadmium		371.37	375.75	Above	Silt, little fine sand, trace clay	4/27/2011	<0.25 U
		3' - 4'	Cadmium		371.37	374.75	Above	Clayey silt	4/27/2011	<0.24 U
		4' - 5'	Cadmium		371.37	373.75	Above	Clayey silt	4/27/2011	<0.23 U
		5' - 6'	Cadmium		371.37	372.75	Above	Clayey silt	4/27/2011	<0.25 U
		6' - 7'	Cadmium		371.37	371.75	At	Clayey silt	4/27/2011	<0.26 U
		7' - 8'	Cadmium		371.37	370.75	Below	Clayey silt	4/27/2011	0.096 J
DI-03-02	C12	0' - 1'	Cadmium	379.68	371.37	378.68	Above	Silt with little fine sand, trace gravel	4/27/2011	0.23 J
		1' - 2'	Cadmium		371.37	377.68	Above	Silt, trace clay	4/27/2011	0.17 J
		2' - 3'	Cadmium		371.37	376.68	Above	Silt, trace clay	4/27/2011	0.15 J
		3' - 4'	Cadmium		371.37	375.68	Above	Silt, some clay	4/27/2011	0.16 J
		4' - 5'	Cadmium		371.37	374.68	Above	Silty clay	4/27/2011	0.25 J
		5' - 6'	Cadmium		371.37	373.68	Above	Silty clay	4/27/2011	<0.25 U
		6' - 7'	Cadmium		371.37	372.68	Above	Silty clay	4/27/2011	<0.23 U
		7' - 8'	Cadmium		371.37	371.68	At	Silty clay	4/27/2011	<0.24 U
		8' - 9'	Cadmium		371.37	370.68	Below	Silt	4/27/2011	<0.22 U
DI-03-03	C12	0' - 1'	Cadmium	380.30	371.37	379.30	Above	Sandy gravel, organics, little silt	4/27/2011	0.18 J
		1' - 2'	Cadmium		371.37	378.30	Above	Medium to fine sand with little silt, trace gravel	4/27/2011	0.067 J
		2' - 3'	Cadmium		371.37	377.30	Above	Silty clay	4/27/2011	0.068 J
		3' - 4'	Cadmium		371.37	376.30	Above	Silty clay	4/27/2011	<0.24
		4' - 5'	Cadmium		371.37	375.30	Above	Medium to fine sand with trace gravel, trace silt	4/27/2011	0.057 J
		5' - 6'	Cadmium		371.37	374.30	Above	Silty clay, trace gravel at 5'-7"	4/27/2011	0.048 J
		6' - 7'	Cadmium		371.37	373.30	Above	Clayey silt	4/27/2011	0.084 J
		7' - 8'	Cadmium		371.37	372.30	Above	Clayey silt	4/27/2011	0.063 J
		8' - 9'	Cadmium		371.37	371.30	At	Clay with some silt	4/27/2011	1.3
		9' - 10'	Cadmium		371.37	370.30	Below	Clay with some silt	4/27/2011	170

Table 4A
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
DI-03-04	C12	0' - 1'	Cadmium	380.27	371.37	379.27	Above	Sandy gravel, trace silt, organics	4/27/2011	0.28
		1' - 2'	Cadmium		371.37	378.27	Above	Sandy gravel, some silt	4/27/2011	0.23
		2' - 3'	Cadmium		371.37	377.27	Above	Coarse to fine sand, trace gravel, trace silt	4/27/2011	0.31
		3' - 4'	Cadmium		371.37	376.27	Above	Coarse to fine sand, trace gravel, trace silt	4/27/2011	0.25
		4' - 5'	Cadmium		371.37	375.27	Above	Sandy gravel, trace silt	4/27/2011	0.13 J
		5' - 6'	Cadmium		371.37	374.27	Above	Clayey silt and debris at 5'-7"	4/27/2011	0.29
DI-03-05	C12	0' - 1'	Cadmium	380.56	371.37	379.56	Above	Medium gravel, coarse to fine sand, trace silt	4/27/2011	0.33
		1' - 2'	Cadmium		371.37	378.56	Above	Medium gravel, coarse to fine sand, trace silt	4/27/2011	0.30
		2' - 3'	Cadmium		371.37	377.56	Above	Medium gravel, coarse to fine sand, trace silt	4/27/2011	0.27
		3' - 4'	Cadmium		371.37	376.56	Above	Medium gravel, coarse to fine sand, some silt	4/27/2011	0.31
		4' - 5'	Cadmium		371.37	375.56	Above	Medium gravel, coarse to fine sand, some silt	4/27/2011	0.11 J
		5' - 6'	Cadmium		371.37	374.56	Above	Silt, fine sand, trace clay	4/27/2011	0.12 J
		6' - 7'	Cadmium		371.37	373.56	Above	Silt, fine sand, trace clay	4/27/2011	0.15 J
		7' - 8'	Cadmium		371.37	372.56	Above	Silt, fine sand, trace clay	4/27/2011	0.14 J
		8' - 9'	Cadmium		371.37	371.56	At	Fine to coarse sand, trace silt at 8'-3"	4/27/2011	0.074 J
		9' - 10'	Cadmium		371.37	370.56	Below	Sandy gravel, little silt, Silty sand at 9'-8"	4/27/2011	0.15 J
		10' - 11'	Cadmium		371.37	369.56	Below	Silty clay with organics	4/27/2011	267
		11' - 12'	Cadmium		371.37	368.56	Below	Silty clay with organics, strong odor	4/27/2011	5.9
DI-17-01	D13	0' - 1'	Cadmium	378.07	371.28	377.07	Above	Silty sand, sandy silt, roots	5/2/2011	0.43
		1' - 2'	Cadmium		371.28	376.07	Above	Sandy silt, clayey silt	5/2/2011	0.15 J
		2' - 3'	Cadmium		371.28	375.07	Above	Sandy silt	5/2/2011	0.057 J
		3' - 4'	Cadmium		371.28	374.07	Above	Sandy silt, clayey silt	5/2/2011	0.048 J
		4' - 5'	Cadmium		371.28	373.07	Above	Silt, sandy silt	5/2/2011	0.090 J
		5' - 6'	Cadmium		371.28	372.07	Above	Silt, clayey silt, organics	5/2/2011	161
		6' - 7'	Cadmium		371.28	371.07	At	Sandy silt	5/2/2011	0.38 B
		7' - 8'	Cadmium		371.28	370.07	Below	Sandy silt, silt	5/2/2011	<0.31 U
		8' - 9'	Cadmium		371.28	369.07	Below	Sandy silt, clayey silt	5/2/2011	0.46 B
DI-17-02	D13	4' - 5'	Cadmium	378.72	371.28	373.72	Above	Sandy silt	5/2/2011	0.33
		5' - 6'	Cadmium		371.28	372.72	Above	Sandy silt with little clay	5/2/2011	1.2
		6' - 7'	Cadmium		371.28	371.72	At	Clayey silt with little fine sand	5/2/2011	0.37
DI-19-01	E4	0' - 1'	Cadmium	386.10	383.00	385.10	Above	Clayey silt, organics, roots	5/3/2011	4.3 B
		1' - 2'	Cadmium		383.00	384.10	Above	Sandy silt, silt, gravel	5/3/2011	5.5 B
		2' - 3'	Cadmium		383.00	383.10	At	Sandy silt, silt, clayey silt, gravel	5/3/2011	14.9 B
		3' - 4'	Cadmium		383.00	382.10	Below	Sandy silt, gravels, clayey silt	5/3/2011	1.0 B
DI-19-02	E4	0' - 1'	Cadmium	387.10	383.00	386.10	Above	Clayey silt, silt, sandy silt, roots	5/3/2011	0.16 J
		1' - 2'	Cadmium		383.00	385.10	Above	Sandy silt, silt, clayey silt, roots	5/3/2011	13.4
		2' - 3'	Cadmium		383.00	384.10	Above	Sandy silt, silt	5/3/2011	2.6
		3' - 4'	Cadmium		383.00	383.10	At	Sandy silt, clayey silt, silt	5/3/2011	2.9
DI-19-03	F4	0' - 1'	Cadmium	387.10	383.00	386.10	Above	Clayey silt, sandy silt, silt, roots	5/3/2011	0.76
		1' - 2'	Cadmium		383.00	385.10	Above	Silt, sandy silt, roots	5/3/2011	0.30
DI-20-01	F5	0' - 1'	Cadmium	386.33	382.82	385.33	Above	Clayey silt, silt	5/3/2011	171 B
		1' - 2'	Cadmium		382.82	384.33	Above	Clayey silt, silt, sandy silt, gravel, roots	5/3/2011	1.2 B
		2' - 3'	Cadmium		382.82	383.33	Above	Sandy silt, silt, roots	5/3/2011	2.6 B
		3' - 4'	Cadmium		382.82	382.33	At	Clayey silt, sandy silt, silt, gravel	5/3/2011	0.52 B
DI-20-02	F5	0' - 1'	Cadmium	387.72	382.82	386.72	Above	Clayey silt, silt, silty clay	5/3/2011	0.29
		1' - 2'	Cadmium		382.82	385.72	Above	Clayey silt, silt, plastic bag (fill)	5/3/2011	0.23 J
DI-21-01	F9	0' - 1'	Cadmium	381.68	375.00	380.68	Above	Silty sand, organics	4/29/2011	0.83
		1' - 2'	Cadmium		375.00	379.68	Above	Silty sand, organics	4/29/2011	0.33
		2' - 3'	Cadmium		375.00	378.68	Above	Silty sand	4/29/2011	0.097 J
		3' - 4'	Cadmium		375.00	377.68	Above	Silty sand	4/29/2011	0.042 J
DI-22-01	F10	0' - 1'	Cadmium	382.43	373.75	381.43	Above	Silty sand, trace clay	4/29/2011	0.73
		1' - 2'	Cadmium		373.75	380.43	Above	Sandy silt, silty sand	4/29/2011	0.19 J
		2' - 3'	Cadmium		373.75	379.43	Above	Sandy silt, silty sand	4/29/2011	0.14 J
		3' - 4'	Cadmium		373.75	378.43	Above	Sandy silt, silty sand	4/29/2011	0.074 J

Table 4A
Summary of Soil Classification and Analytical Data Through August 2013[1]
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Bloody Brook Voluntary Cleanup Program
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Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
DI-23-01	D11	0' - 1'	Cadmium	378.00	371.82	377.00	Above	Silty clay, clayey silt	4/27/2011	6.2 B
		1' - 2'	Cadmium		371.82	376.00	Above	Clayey silt, silty clay	4/27/2011	0.65 B [0.61 B]
		2' - 3'	Cadmium		371.82	375.00	Above	Silty clay, clay	4/27/2011	<0.21 U
		3' - 4'	Cadmium		371.82	374.00	Above	Silty clay, clay	4/27/2011	0.64 B
DI-23-02	D11	0' - 1'	Cadmium	378.27	371.82	377.27	Above	Clayey silt, silty clay	4/27/2011	0.30
		1' - 2'	Cadmium		371.82	376.27	Above	Clayey silt, sandy silt	4/27/2011	0.086 J
DI-24-01	D11	0' - 1'	Cadmium	378.54	371.68	377.54	Above	Silty sand, trace clay	4/26/2011	0.76
		1' - 2'	Cadmium		371.68	376.54	Above	Silt, little fine sand, trace clay	4/26/2011	0.15 J
		2' - 3'	Cadmium		371.68	375.54	Above	Clayey silt with some fine sand	4/26/2011	0.17 J
		3' - 4'	Cadmium		371.68	374.54	Above	Clayey silt with some fine sand	4/26/2011	0.18 J
DI-25-01	D12	0' - 1'	Cadmium	379.06	371.55	378.06	Above	Sandy silt, trace clay	4/26/2011	0.30
		1' - 2'	Cadmium		371.55	377.06	Above	Sandy silt, trace clay	4/26/2011	0.13 J [0.17 J]
		2' - 3'	Cadmium		371.55	376.06	Above	Clayey silt, some fine sand	4/26/2011	0.052 J
		3' - 4'	Cadmium		371.55	375.06	Above	Clayey silt, some fine sand, decrease in fine sand	4/26/2011	0.11 J
DI-26-01	D12	0' - 1'	Cadmium	377.76	371.51	376.76	Above	Clayey silt, silty clay	4/28/2011	0.91
		1' - 2'	Cadmium		371.51	375.76	Above	Clayey silt, silt with plastic sheeting fill)	4/28/2011	0.30
		2' - 3'	Cadmium		371.51	374.76	Above	Sandy silt, silty clay, gravel (fill)	4/28/2011	74.2 J [9.2 J]
		3' - 4'	Cadmium		371.51	373.76	Above	Clayey silt, sandy silt, silt	4/28/2011	129
DI-26-02	D12	0' - 1'	Cadmium	378.47	371.51	377.47	Above	Fine sand, little silt	4/28/2011	0.66
		1' - 2'	Cadmium		371.51	376.47	Above	Silty sand	4/28/2011	0.13 J
		2' - 3'	Cadmium		371.51	375.47	Above	Silty sand	4/28/2011	0.098 J
		3' - 4'	Cadmium		371.51	374.47	Above	Sandy silt	4/28/2011	0.13 J
DI-27-01	D13	0' - 1'	Cadmium	375.77	371.10	374.77	Above	Clayey silt, sandy silt, silt	4/28/2011	0.61
		1' - 2'	Cadmium		371.10	373.77	Above	Sandy silt, silty sand	4/28/2011	0.074 J
		2' - 3'	Cadmium		371.10	372.77	Above	Sandy silt, clayey silt	4/28/2011	0.29
		3' - 4'	Cadmium		371.10	371.77	At	Sandy silt, clayey silt, silty clay	4/28/2011	0.12 J
DI-28-01	C13	0' - 1'	Cadmium	378.30	371.17	377.30	Above	Silty clay	4/26/2011	0.16 J
		1' - 2'	Cadmium		371.17	376.30	Above	Clay, silty clay	4/26/2011	0.083 J
		2' - 3'	Cadmium		371.17	375.30	Above	Clay, silty clay	4/26/2011	0.039 J
		3' - 4'	Cadmium		371.17	374.30	Above	Clay	4/26/2011	0.043 J [<0.26]
DI-29-01	C14	0' - 1'	Cadmium	377.73	370.97	376.73	Above	Silt, clayey silt	4/26/2011	0.23 J
		1' - 2'	Cadmium		370.97	375.73	Above	Silty clay, clay	4/26/2011	0.18 J
		2' - 3'	Cadmium		370.97	374.73	Above	Silty clay, clay	4/26/2011	0.24
		3' - 4'	Cadmium		370.97	373.73	Above	Clay, silty clay, trace sandy silt	4/26/2011	0.11 J
DI-30-01	D14	0' - 1'	Cadmium	376.03	370.79	375.03	Above	Clayey silt, sandy silt, silty sand	4/28/2011	1.0
		1' - 2'	Cadmium		370.79	374.03	Above	Sandy silt, silty sand	4/28/2011	0.89
		2' - 3'	Cadmium		370.79	373.03	Above	Sandy silt, silty sand, clayey silt	4/28/2011	0.32
		3' - 4'	Cadmium		370.79	372.03	Above	Sandy silt, silty sand, clayey silt	4/28/2011	0.11 J [0.17 J]
DI-31-01	C15	0' - 1'	Cadmium	373.64	370.63	372.64	Above	Clayey silt, silt	4/28/2011	0.19 J
		1' - 2'	Cadmium		370.63	371.64	Above	Clayey silt, silty clay	4/28/2011	0.22 J
		2' - 3'	Cadmium		370.63	370.64	At	Silty clay, clay	4/28/2011	0.13 J
		3' - 4'	Cadmium		370.63	369.64	Below	Silty clay, clay	4/28/2011	0.15 J
DI-40-01	C3	0' - 1'	Cadmium	392.97	384.00	391.97	Above	Fine sand, little silt, organics to 6" then fine sand, trace silt	8/25/2011	1.3
		1' - 2'	Cadmium		384.00	390.97	Above	Fine sand, trace silt	8/25/2011	0.15 J
		2' - 3'	Cadmium		384.00	389.97	Above	Fine sand, trace silt	8/25/2011	0.12 J [0.21]
		3' - 4'	Cadmium		384.00	388.97	Above	Fine sand, trace silt	8/25/2011	0.13 J
DI-41-01	G5	0' - 1'	Cadmium	382.64	381.76	381.64	At	Clayey silt, silt, sandy silt	5/2/2011	1.1
		1' - 2'	Cadmium		381.76	380.64	Below	Clayey silt, sandy silt, silt	5/2/2011	0.19 J
		2' - 3'	Cadmium		381.76	379.64	Below	Sandy silt, silt, clayey silt	5/2/2011	0.19 J
		3' - 4'	Cadmium		381.76	378.64	Below	Sandy silt, clayey silt, silty clay, gravel	5/2/2011	0.65
DI-42-01	H9	0' - 1'	Cadmium	387.05	376.73	386.05	Above	Fine to medium sand, some silt	8/24/2011	0.31 [0.47]
		1' - 2'	Cadmium		376.73	385.05	Above	Fine to medium sand, some silt	8/24/2011	0.20 J
		2' - 3'	Cadmium		376.73	384.05	Above	Fine to medium sand, some silt	8/24/2011	0.063 J
		3' - 4'	Cadmium		376.73	383.05	Above	Fine to medium sand, some silt, trace clay	8/24/2011	0.075 J

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DI-43-01	C16	0' - 1'	Cadmium	375.75	370.42	374.75	Above	Clayey silt, sandy silt	4/28/2011	13.1
		1' - 2'	Cadmium		370.42	373.75	Above	Sandy silt, silt	4/28/2011	0.29 J [0.74 J]
		2' - 3'	Cadmium		370.42	372.75	Above	Silty clay	4/28/2011	0.24 J
		3' - 4'	Cadmium		370.42	371.75	Above	Silty clay	4/28/2011	0.24 J
DI-43-02	C16	0' - 1'	Cadmium	376.96	370.41	375.96	Above	Clayey silt, silty sand	4/28/2011	0.35
		1' - 2'	Cadmium		370.41	374.96	Above	Silty clay	4/28/2011	0.23 J
DI-44-01	D15	0' - 1'	Cadmium	376.35	370.53	375.35	Above	Silt, fine sand with some silt at 3"	4/28/2011	0.37
		1' - 2'	Cadmium		370.53	374.35	Above	Silty sand	4/28/2011	0.50
		2' - 3'	Cadmium		370.53	373.35	Above	Sandy silt	4/28/2011	0.19 J
		3' - 4'	Cadmium		370.53	372.35	Above	Sandy silt	4/28/2011	0.22 J
DI-51-01	E8	0' - 1'	Cadmium	381.02	376.00	380.02	Above	Clayey silt, silt	4/27/2011	3.8 B
		1' - 2'	Cadmium		376.00	379.02	Above	Clayey silt	4/27/2011	<0.26 U
		2' - 3'	Cadmium		376.00	378.02	Above	Clayey silt, sandy silt, silty clay	4/27/2011	<0.24 U
		3' - 4'	Cadmium		376.00	377.02	Above	Sandy silt	4/27/2011	2.0 B
DI-51-02	E8	0' - 1'	Cadmium	380.77	376.00	379.77	Above	Clayey silt	4/27/2011	0.53
		1' - 2'	Cadmium		376.00	378.77	Above	Clayey silt, silt	4/27/2011	0.13 J
DI-52-01	H7	0' - 1'	Cadmium	382.99	377.75	381.99	Above	Fine sand, trace silt, wet	8/25/2011	0.042 J
		1' - 2'	Cadmium		377.75	380.99	Above	Fine sand, trace silt, wet	8/25/2011	0.059 J
		2' - 3'	Cadmium		377.75	379.99	Above	Gravelly sand	8/25/2011	0.059 J
		3' - 4'	Cadmium		377.75	378.99	Above	Gravelly sand	8/25/2011	0.054 J
DI-53-01	I7	0' - 1'	Cadmium	381.59	377.49	380.59	Above	Sandy silt, organics, trace clay	4/29/2011	2.5
		1' - 2'	Cadmium		377.49	379.59	Above	Sandy silt, organics, trace clay	4/29/2011	1.3 J [0.39 J]
		2' - 3'	Cadmium		377.49	378.59	Above	Sandy silt, organics, trace clay	4/29/2011	0.39
		3' - 4'	Cadmium		377.49	377.59	At	Sandy silt, organics, trace clay	4/29/2011	0.13 J
DI-53-02	I7	0' - 1'	Cadmium	382.27	377.53	381.27	Above	Clayey silt, sandy silt, silt, organics	4/29/2011	0.83
		1' - 2'	Cadmium		377.53	380.27	Above	Sandy silt, silt, organics	4/29/2011	2.1
DI-54-01	H9	0' - 1'	Cadmium	389.95	385.14	388.95	Above	Fine sand, trace silt & organics	8/25/2011	0.18 J [0.15 J]
		1' - 2'	Cadmium		385.14	387.95	Above	Fine sand, trace silt & organics	8/25/2011	0.11 J
		2' - 3'	Cadmium		385.14	386.95	Above	Fine sand, trace silt & organics	8/25/2011	0.094 J
		3' - 4'	Cadmium		385.14	385.95	Above	Fine sand, trace silt & organics	8/25/2011	0.096 J
DI-60-01	G6	0' - 1'	Cadmium	383.00	380.02	382.00	Above	Clayey silt, silt, roots	5/2/2011	<0.24 U
		1' - 2'	Cadmium		380.02	381.00	Above	Clayey silt, sandy silt	5/2/2011	<0.24 U [<0.25 U]
		2' - 3'	Cadmium		380.02	380.00	At	Sandy silt, fine to coarse gravel	5/2/2011	<0.30 U
		3' - 4'	Cadmium		380.02	379.00	Below	Sandy silt, clay, silt, fine to coarse gravel	5/2/2011	<0.30 U
DI-61-01	H7	0' - 1'	Cadmium	382.96	379.18	381.96	Above	Silty clay, clayey silt, roots	5/2/2011	1.1
		1' - 2'	Cadmium		379.18	380.96	Above	Clayey silt, sandy silt, gravel, roots	5/2/2011	0.20 J
		2' - 3'	Cadmium		379.18	379.96	Above	Sandy silt, clayey silt, silty clay, gravel	5/2/2011	0.099 J
		3' - 4'	Cadmium		379.18	378.96	At	Sandy silt, clayey silt, silty clay, gravel	5/2/2011	<0.24 U
DI-62-01	C15	0' - 1'	Cadmium	375.54	370.44	374.54	Above	Clay and silt, some sand and gravel	6/5/2013	31.2 J [16.6 J]
		1' - 2'	Cadmium		370.44	373.54	Above	Silty clay, some sand and gravel	6/5/2013	0.73
DI-62-02	C15	0' - 1'	Cadmium	375.92	370.52	374.92	Above	Clay and silt, some sand and gravel	6/5/2013	6.1
		1' - 2'	Cadmium		370.52	373.92	Above	Silty clay, some sand and gravel	6/5/2013	2.8
DI-SB-01-05	D10	0' - 1'	Cadmium	382.16	372.41	381.16	Above	Silty sand, organics, trace gravel	5/2/2011	4.0
		1' - 2'	Cadmium		372.41	380.16	Above	Silt, little clay, little fine sand	5/2/2011	0.24
		2' - 3'	Cadmium		372.41	379.16	Above	Silt	5/2/2011	0.23
		3' - 4'	Cadmium		372.41	378.16	Above	Sandy silt, fine sand with trace clay at 3'-10"	5/2/2011	<0.26 U
		4' - 5'	Cadmium		372.41	377.16	Above	Silt with some fine sand, little clay	5/2/2011	0.20 J
		5' - 6'	Cadmium		372.41	376.16	Above	Silty sand	5/2/2011	0.26
		6' - 7'	Cadmium		372.41	375.16	Above	Silty sand	5/2/2011	0.14 J
		7' - 8'	Cadmium		372.41	374.16	Above	Silty sand	5/2/2011	0.16 J
		8' - 9'	Cadmium		372.41	373.16	Above	Silt with little clay, organic silt at 8'-8"	5/2/2011	0.19 J
		9' - 10'	Cadmium		372.41	372.16	At	Organic silt	5/2/2011	0.45

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DI-SB-03-05	D14	0' - 1'	Cadmium	380.60	370.90	379.60	Above	Silty sand, organics	5/2/2011	0.091 J
		1' - 2'	Cadmium		370.90	378.60	Above	Silty sand	5/2/2011	<0.25
		2' - 3'	Cadmium		370.90	377.60	Above	Silty sand	5/2/2011	0.058 J
		3' - 4'	Cadmium		370.90	376.60	Above	Silty sand	5/2/2011	0.069 J
		4' - 5'	Cadmium		370.90	375.60	Above	Grades to Clayey silt, little fine sand	5/2/2011	0.077 J [0.12 J]
		5' - 6'	Cadmium		370.90	374.60	Above	Clayey silt	5/2/2011	0.065 J
		6' - 7'	Cadmium		370.90	373.60	Above	Clayey silt	5/2/2011	0.12 J
		7' - 8'	Cadmium		370.90	372.60	Above	Clayey silt, organics	5/2/2011	0.13 J
		8' - 9'	Cadmium		370.90	371.60	Above	Silty clay	5/2/2011	0.25
		9' - 10'	Cadmium		370.90	370.60	At	Silty clay	5/2/2011	<0.26
OCDDS-4	D11	0" - 6"	Cadmium	---	---	---	---	---	10/1996	3.8
		0" - 6"	PCBs		---	---	---	---	10/1996	0.042
OCDDS-5	C15	0" - 6"	Cadmium	---	---	---	---	---	10/1996	26.4
		0" - 6"	PCBs		---	---	---	---	10/1996	0.193
OCDDS-6	D14	0" - 6"	Cadmium	---	---	---	---	---	10/1996	0.14
		0" - 6"	PCBs		---	---	---	---	10/1996	<0.025
OCDDS-7	E9	0" - 6"	Cadmium	---	---	---	---	---	10/1996	80.5
		0" - 6"	PCBs		---	---	---	---	10/1996	0.801
OCDDS-10	E7	0" - 6"	Cadmium	---	---	---	---	---	10/1996	0.4
		0" - 6"	PCBs		---	---	---	---	10/1996	<0.025
Pre-SS-P1	F7	---	Cadmium	---	---	---	---	---	4/17/1997	1.3
		---	PCBs		---	---	---	---	4/17/1997	<0.026
Post-SS-P1	F7	---	Cadmium	---	---	---	---	---	5/15/1997	0.14
		---	PCBs		---	---	---	---	5/15/1997	<0.026
SA-SB-01-01	D10	0" - 2"	Cadmium	377.74	372.41	377.57	Above	Sand	10/20/2003	6.3
		0' - 1'	Cadmium		372.41	376.74	Above	Sand/Wood	10/20/2003	15.8
		1' - 2'	Cadmium		372.41	375.74	Above	Clayey Sand	10/20/2003	3.4
		2' - 3'	Cadmium		372.41	374.74	Above	Clayey Sand	10/20/2003	<0.59
		3' - 4'	Cadmium		372.41	373.74	Above	Clayey Sand	10/20/2003	<0.58
		4' - 5'	Cadmium		372.41	372.74	At	Organic Silt/Sand	10/20/2003	442
		5' - 6'	Cadmium		372.41	371.74	Below	Organic Silt/Sand to Clayey Sand	10/20/2003	0.86
		6' - 7'	Cadmium		372.41	370.74	Below	Clayey Sand	10/20/2003	4.3
SA-SB-01-02	D10	0" - 2"	Cadmium	378.76	372.41	378.59	Above	Sand	10/20/2003	5.09
		0' - 1'	Cadmium		372.41	377.76	Above	Sand	10/20/2003	1.87
		1' - 2'	Cadmium		372.41	376.76	Above	Sand	10/20/2003	<0.593
		2' - 3'	Cadmium		372.41	375.76	Above	Sand	10/20/2003	<0.581
		3' - 4'	Cadmium		372.41	374.76	Above	Sand	10/20/2003	<0.574
		4' - 5'	Cadmium		372.41	373.76	Above	Sand	10/20/2003	<0.583
		5' - 6'	Cadmium		372.41	372.76	At	Sand to Organic Silt/Sand	10/20/2003	431
		6' - 7'	Cadmium		372.41	371.76	Below	Organic Silt/Sand	10/20/2003	46.1
		7' - 8'	Cadmium		372.41	370.76	Below	Clayey Sand	10/20/2003	<0.670
SA-SB-01-03	D10	0" - 2"	Cadmium	379.72	372.41	379.55	Above	Topsoil	10/20/2003	3.36
		0' - 1'	Cadmium		372.41	378.72	Above	Topsoil	10/20/2003	2.64
		1' - 2'	Cadmium		372.41	377.72	Above	Silty Sand	10/20/2003	6.48 [3.86]
		2' - 3'	Cadmium		372.41	376.72	Above	Silty Sand	10/20/2003	<0.611
		3' - 4'	Cadmium		372.41	375.72	Above	Silty Sand	10/20/2003	<0.58
		4' - 5'	Cadmium		372.41	374.72	Above	Silty Sand	10/20/2003	<0.592
		5' - 6'	Cadmium		372.41	373.72	Above	Silty Sand	10/20/2003	<0.60
		6' - 7'	Cadmium		372.41	372.72	At	Organic Silt/Sand	10/20/2003	401
		7' - 8'	Cadmium		372.41	371.72	Below	Organic Silt/Sand to Silty Clay	10/20/2003	52.1
		8' - 9'	Cadmium		372.41	370.72	Below	Silty Clay	10/20/2003	<0.668
SA-SB-01-04	D10	0" - 2"	Cadmium	381.29	372.41	381.12	Above	Sand	10/20/2003	2.36
		0' - 1'	Cadmium		372.41	380.29	Above	Sand	10/20/2003	1.36
		1' - 2'	Cadmium		372.41	379.29	Above	Silty Sand	10/20/2003	<0.597
		2' - 3'	Cadmium		372.41	378.29	Above	Silty Sand to Silty Clay	10/20/2003	<0.623
		3' - 4'	Cadmium		372.41	377.29	Above	Silty Clay	10/20/2003	<0.590 [<0.593]
		4' - 5'	Cadmium		372.41	376.29	Above	Silty Sand	10/20/2003	<0.589
		5' - 6'	Cadmium		372.41	375.29	Above	Silty Sand	10/20/2003	<0.597
		6' - 7'	Cadmium		372.41	374.29	Above	Silty Sand	10/20/2003	<0.608
		7' - 8'	Cadmium		372.41	373.29	Above	Silty Sand	10/20/2003	<0.608
		8' - 9'	Cadmium		372.41	372.29	At	Silty Sand to Organic Silt/Sand	10/20/2003	79.1
		9' - 10'	Cadmium		372.41	371.29	Below	Organic Silt/Sand to Clay	10/20/2003	0.85

Table 4A
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SA-SB-02-01	E11	0" - 2"	Cadmium	378.60	371.90	378.43	Above	Topsoil	10/24/2003	4.4
		0' - 1'	Cadmium		371.90	377.60	Above	Silty Sand	10/24/2003	1.4
		1' - 2'	Cadmium		371.90	376.60	Above	Silty Sand	10/24/2003	<0.55 [1.4]
		2' - 3'	Cadmium		371.90	375.60	Above	Silty Sand	10/24/2003	<0.55
		3' - 4'	Cadmium		371.90	374.60	Above	Silty Sand	10/24/2003	<0.54
		4' - 5'	Cadmium		371.90	373.60	Above	Silty Sand	10/24/2003	1.6
		5' - 6'	Cadmium		371.90	372.60	Above	Organic Silt/Sand	10/24/2003	322
		6' - 7'	Cadmium		371.90	371.60	At	Organic Silt/Sand	10/24/2003	<0.7
		7' - 8'	Cadmium		371.90	370.60	Below	Sandy Clay	10/24/2003	<0.59
		8' - 9'	Cadmium		371.90	369.60	Below	Sand to Silty Clay	10/24/2003	<0.61
		9' - 10'	Cadmium		371.90	368.60	Below	Silty Clay to Organic Silt/Sand	10/24/2003	<0.65
		10' - 11'	Cadmium		371.90	367.60	Below	Organic Silt/Sand/ Gravel	10/24/2003	<0.68
		11' - 12'	Cadmium		371.90	366.60	Below	Silty Clay	10/24/2003	<0.57
SA-SB-02-02	E11	0" - 2"	Cadmium	380.20	371.90	380.03	Above	Topsoil	10/21/2003	1.02
		0' - 1'	Cadmium		371.90	379.20	Above	Silty Sand	10/21/2003	0.761
		1' - 2'	Cadmium		371.90	378.20	Above	Silty Sand	10/21/2003	<0.552
		2' - 3'	Cadmium		371.90	377.20	Above	Silty Sand	10/21/2003	<0.577
		3' - 4'	Cadmium		371.90	376.20	Above	Silty Sand	10/21/2003	<0.559
		4' - 5'	Cadmium		371.90	375.20	Above	Silty Sand	10/21/2003	<0.577
		5' - 6'	Cadmium		371.90	374.20	Above	Silty Sand	10/21/2003	<0.611
		6' - 7'	Cadmium		371.90	373.20	Above	Silty Sand to Organic Silt/Sand	10/21/2003	282
		7' - 8'	Cadmium		371.90	372.20	At	Organic Silt/Sand	10/21/2003	144
		8' - 9'	Cadmium		371.90	371.20	Below	Organic Silt/Sand	10/21/2003	121
		9' - 10'	Cadmium		371.90	370.20	Below	Organic Silt/Sand to Silty Clay	10/21/2003	6.6
		10' - 11'	Cadmium		371.90	369.20	Below	Silty Clay	10/21/2003	<0.62
		11' - 12'	Cadmium		371.90	368.20	Below	Silty Clay	10/21/2003	<0.632
SA-SB-02-03	E11	0" - 2"	Cadmium	381.79	371.90	381.62	Above	Topsoil	10/21/2003	<0.652
		0' - 1'	Cadmium		371.90	380.79	Above	Silty Sand	10/21/2003	<0.621
		1' - 2'	Cadmium		371.90	379.79	Above	Silty Sand	10/21/2003	<0.568
		2' - 3'	Cadmium		371.90	378.79	Above	Silty Sand	10/21/2003	<0.571
		3' - 4'	Cadmium		371.90	377.79	Above	Silty Sand	10/21/2003	<0.578
		4' - 5'	Cadmium		371.90	376.79	Above	Silty Sand	10/21/2003	<0.568
		5' - 6'	Cadmium		371.90	375.79	Above	Silty Sand	10/21/2003	<0.590
		6' - 7'	Cadmium		371.90	374.79	Above	Silty Sand	10/21/2003	<0.585
		7' - 8'	Cadmium		371.90	373.79	Above	Organic Silt/Sand	10/21/2003	0.682
		8' - 9'	Cadmium		371.90	372.79	Above	Silty Sand	10/21/2003	39.2
		9' - 10'	Cadmium		371.90	371.79	At	Organic Silt/Sand	10/21/2003	<0.678
		10' - 11'	Cadmium		371.90	370.79	Below	Organic Silt/Sand to Clayey Silt	10/21/2003	13.6
		11' - 12'	Cadmium		371.90	369.79	Below	Clayey Silt to Silty Clay	10/21/2003	<0.668
		12' - 13'	Cadmium		371.90	368.79	Below	Silty Clay	10/21/2003	<0.613
SA-SB-02-04	E11	0" - 2"	Cadmium	385.39	371.90	385.22	Above	Topsoil	10/21/2003	<0.698
		0' - 1'	Cadmium		371.90	384.39	Above	Silty Sand	10/21/2003	<0.659
		1' - 2'	Cadmium		371.90	383.39	Above	Silty Sand	10/21/2003	<0.602
		2' - 3'	Cadmium		371.90	382.39	Above	Silty Sand to Sand	10/21/2003	<0.588
		3' - 4'	Cadmium		371.90	381.39	Above	Sand	10/21/2003	<0.550
		4' - 5'	Cadmium		371.90	380.39	Above	Sand	10/21/2003	<0.590
		5' - 6'	Cadmium		371.90	379.39	Above	Sand	10/21/2003	<0.564
		6' - 7'	Cadmium		371.90	378.39	Above	Sand	10/21/2003	<0.566
		7' - 8'	Cadmium		371.90	377.39	Above	Sand	10/21/2003	<0.578
		8' - 9'	Cadmium		371.90	376.39	Above	Sand	10/21/2003	<0.584
		9' - 10'	Cadmium		371.90	375.39	Above	Organic Silt/Sand	10/21/2003	<0.610
		10' - 11'	Cadmium		371.90	374.39	Above	Silt/Sand	10/21/2003	<0.621
		11' - 12'	Cadmium		371.90	373.39	Above	Silt/Sand	10/21/2003	<0.629 [<0.620]
		12' - 13'	Cadmium		371.90	372.39	At	Silt/Sand	10/21/2003	<0.636
		13' - 14'	Cadmium		371.90	371.39	Below	Silt/Sand to Organic Silt/Sand	10/21/2003	98.4
SA-SB-03-01	D14	0" - 2"	Cadmium	375.50	370.88	375.33	Above	Topsoil	10/21/2003	23.8
		0' - 1'	Cadmium		370.88	374.50	Above	Silty Sand	10/21/2003	31.8
		1' - 2'	Cadmium		370.88	373.50	Above	Silty Sand	10/21/2003	28.2
		2' - 3'	Cadmium		370.88	372.50	Above	Silty Sand	10/21/2003	2.8
		3' - 4'	Cadmium		370.88	371.50	Above	Silty Sand to Organic Silt/Sand	10/21/2003	153
		4' - 5'	Cadmium		370.88	370.50	At	Organic Silt/Sand	10/21/2003	372
		5' - 6'	Cadmium		370.88	369.50	Below	Clayey Sand to Sand	10/21/2003	1.8
SA-SB-03-02	D14	0" - 2"	Cadmium	376.72	370.89	376.55	Above	Silty Sand	10/21/2003	4.22
		0' - 1'	Cadmium		370.89	375.72	Above	Silty Sand	10/21/2003	4.15
		1' - 2'	Cadmium		370.89	374.72	Above	Silty Sand	10/21/2003	<0.566
		2' - 3'	Cadmium		370.89	373.72	Above	Silty Sand	10/21/2003	<0.605
		3' - 4'	Cadmium		370.89	371.72	Above	Silty Sand	10/21/2003	<0.608
		4' - 5'	Cadmium		370.89	370.72	At	Organic Silt/Sand	10/21/2003	142
		5' - 6'	Cadmium		370.89	369.72	Below	Organic Silt/Sand	10/21/2003	36.6
		6' - 7'	Cadmium		370.89	368.72	Below	Organic Silt/Sand	10/21/2003	3.58
		7' - 8'	Cadmium		370.89	367.72	Below	Organic Silt/Sand	10/21/2003	<0.726

Table 4A
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Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SA-SB-03-03	D14	0" - 2"	Cadmium	378.06	370.90	377.89	Above	Topsoil	10/21/2003	<0.713
		0' - 1'	Cadmium		370.90	377.06	Above	Silty Sand	10/21/2003	<0.638
		1' - 2'	Cadmium		370.90	376.06	Above	Silty Sand	10/21/2003	<0.583 [<0.582]
		2' - 3'	Cadmium		370.90	375.06	Above	Silty Sand	10/21/2003	<0.604
		3' - 4'	Cadmium		370.90	374.06	Above	Silty Sand	10/21/2003	<0.633
		4' - 5'	Cadmium		370.90	373.06	Above	Silty Sand	10/21/2003	<0.661
		5' - 6'	Cadmium		370.90	372.06	Above	Silty Sand to Organic Silt/Sand	10/21/2003	34.8
		6' - 7'	Cadmium		370.90	371.06	At	Organic Silt/Sand	10/21/2003	14.1
		7' - 8'	Cadmium		370.90	370.06	Below	Organic Silt/Sand to Organic Silty Clay	10/21/2003	<0.707
		8' - 9'	Cadmium		370.90	369.06	Below	Organic Silty Clay	10/21/2003	<0.677
SA-SB-03-04	D14	0" - 2"	Cadmium	379.39	370.90	379.22	Above	Topsoil	10/21/2003	<0.717
		0' - 1'	Cadmium		370.90	378.39	Above	Silty Sand	10/21/2003	<0.629
		1' - 2'	Cadmium		370.90	377.39	Above	Silty Sand	10/21/2003	<0.600
		2' - 3'	Cadmium		370.90	376.39	Above	Silty Sand	10/21/2003	<0.590 [<0.590]
		3' - 4'	Cadmium		370.90	375.39	Above	Silty Sand	10/21/2003	<0.578
		4' - 5'	Cadmium		370.90	374.39	Above	Silty Sand	10/21/2003	<0.605
		5' - 6'	Cadmium		370.90	373.39	Above	Silty Sand	10/21/2003	<0.610
		6' - 7'	Cadmium		370.90	372.39	Above	Silty Sand	10/21/2003	<0.622
		7' - 8'	Cadmium		370.90	371.39	At	Silty Sand to Organic Sandy Silt	10/21/2003	19.0
		8' - 9'	Cadmium		370.90	370.39	Below	Organic Sandy Silt to Silty Clay	10/21/2003	<0.749
		9' - 10'	Cadmium		370.90	369.39	Below	Silty Sand	10/21/2003	1.61
SA-SB-04-01	C15	0" - 2"	Cadmium	379.69	370.68	379.52	Above	Topsoil	10/20/2003	<0.654
		0' - 1'	Cadmium		370.68	378.69	Above	Silty Sand	10/20/2003	<0.613
		1' - 2'	Cadmium		370.68	377.69	Above	Silty Sand	10/20/2003	<0.589
		2' - 3'	Cadmium		370.68	376.69	Above	Silty Sand	10/20/2003	<0.566
		3' - 4'	Cadmium		370.68	375.69	Above	Silty Sand	10/20/2003	<0.572
		4' - 5'	Cadmium		370.68	374.69	Above	Clay/Silt	10/20/2003	<0.573
		5' - 6'	Cadmium		370.68	373.69	Above	Clay/Silt	10/20/2003	<0.610
		6' - 7'	Cadmium		370.68	372.69	Above	Clay/Silt	10/20/2003	<0.583
		7' - 8'	Cadmium		370.68	371.69	Above	Clay/Silt	10/20/2003	<0.629
		8' - 9'	Cadmium		370.68	370.69	At	Clay/Silt	10/20/2003	7.84
		9' - 10'	Cadmium		370.68	369.69	Below	Organic Silt/Sand	10/20/2003	<0.671
		10' - 11'	Cadmium		370.68	368.69	Below	Clay	10/20/2003	3.73
SA-SB-04-02	C15	0" - 2"	Cadmium	377.96	370.69	377.79	Above	Topsoil	10/20/2003	<0.677
		0' - 1'	Cadmium		370.69	376.96	Above	Silty Sand	10/20/2003	<0.597
		1' - 2'	Cadmium		370.69	375.96	Above	Silty Sand	10/20/2003	<0.602
		2' - 3'	Cadmium		370.69	374.96	Above	Silty Sand	10/20/2003	<0.586
		3' - 4'	Cadmium		370.69	737.96	Above	Silty Sand	10/20/2003	<0.602
		4' - 5'	Cadmium		370.69	372.96	Above	Silty Sand to Sand	10/20/2003	<0.573
		5' - 6'	Cadmium		370.69	371.96	Above	Sand to Silty Sand	10/20/2003	<0.613 [<0.595]
		6' - 7'	Cadmium		370.69	370.96	At	Silty Clay to Organic Clayey Silt	10/20/2003	139
		7' - 8'	Cadmium		370.69	369.96	Below	Organic Silt/Sand	10/20/2003	1.73
		8' - 9'	Cadmium		370.69	368.96	Below	Organic Silt/Sand	10/20/2003	11.9
SA-SB-04-03	C15	0" - 2"	Cadmium	377.06	370.70	376.89	Above	Topsoil	10/20/2003	2.7
		0' - 1'	Cadmium		370.70	376.06	Above	Silty Sand	10/20/2003	2.17
		1' - 2'	Cadmium		370.70	375.06	Above	Silty Sand	10/20/2003	<0.588
		2' - 3'	Cadmium		370.70	374.06	Above	Silty Sand	10/20/2003	<0.561
		3' - 4'	Cadmium		370.70	373.06	Above	Silty Sand	10/20/2003	<0.617
		4' - 5'	Cadmium		370.70	372.06	Above	Silty Sand	10/20/2003	<0.603
		5' - 6'	Cadmium		370.70	371.06	At	Silty Sand	10/20/2003	<0.635
		6' - 7'	Cadmium		370.70	370.06	Below	Silty Sand to Organic Silt/Sand	10/20/2003	1,920
		7' - 8'	Cadmium		370.70	369.06	Below	Organic Silt/Sand	10/20/2003	199
SA-SB-04-04	C15	0" - 2"	Cadmium	376.90	370.71	376.73	Above	Topsoil	10/20/2003	7.4
		0' - 1'	Cadmium		370.71	375.90	Above	Silty Sand	10/20/2003	5.3
		1' - 2'	Cadmium		370.71	374.90	Above	Sandy Silt	10/20/2003	<0.62
		2' - 3'	Cadmium		370.71	373.90	Above	Sandy Silt	10/20/2003	<0.56
		3' - 4'	Cadmium		370.71	372.90	Above	Silty Sand	10/20/2003	<0.59
		4' - 5'	Cadmium		370.71	371.90	Above	Silty Sand	10/20/2003	<0.58
		5' - 6'	Cadmium		370.71	370.90	At	Silty Sand to Organic Silt/Sand	10/20/2003	84.7
		6' - 7'	Cadmium		370.71	369.90	Below	Organic Silt/Sand	10/20/2003	112
		7' - 8'	Cadmium		370.71	368.90	Below	Silty Sand	10/20/2003	456
SB-19	E9	0" - 2"	Cadmium	---	---	---	---	---	06/2002	34.7
SB-20	E8	0" - 2"	Cadmium	---	---	---	---	---	06/2002	10.9
SB-21	E10	0" - 2"	Cadmium	---	---	---	---	---	06/2002	82.3
SB-22	E9	0" - 2"	Cadmium	---	---	---	---	---	06/2002	12.2
		0' - 1'	Cadmium		---	---	---	---	06/2002	0.68
SB-23	D12	0" - 2"	Cadmium	---	---	---	---	---	06/2002	27.1
SB-24	D11	0" - 2"	Cadmium	---	---	---	---	---	06/2002	15.8
SB-25	D13	0" - 2"	Cadmium	---	---	---	---	---	06/2002	3.76
SB-26	D13	0" - 2"	Cadmium	---	---		---		06/2002	8.34

Table 4A
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Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-27	D15	0" - 2"	Cadmium	---	---	---	---	---	06/2002	11.9
SB-28	C14	0" - 2"	Cadmium	---	---	---	---	---	06/2002	10.9
SB-51	E4	0' - 1'	Cadmium	---	---	---	---	Topsoil	11/2002	266
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	146
		2' - 3'	Cadmium		---	---	---	Sandy Silt	11/2002	4.9
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	7.2
SB-52	G7	0' - 1'	Cadmium	---	---	---	---	Topsoil	11/2002	14.9
		1' - 2'	Cadmium		---	---	---	Clayey Silt	11/2002	22.1
		2' - 3'	Cadmium		---	---	---	Clayey Silt	11/2002	1.8
		3' - 4'	Cadmium		---	---	---	Clayey Silt	11/2002	<0.67
SB-53	F8	0' - 1'	Cadmium	---	---	---	---	Topsoil	11/2002	<0.61
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.58
		2' - 3'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.56
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.55
SB-54	G9	0' - 1'	Cadmium	---	---	---	---	Topsoil	11/2002	1.7
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.58
		2' - 3'	Cadmium		---	---	---	Sandy Silt/Peat	11/2002	438
		3' - 4'	Cadmium		---	---	---	Peat	11/2002	1,800
SB-55	G9	0' - 1'	Cadmium	---	---	---	---	Sandy Silt	11/2002	47.7
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	27.0
		2' - 3'	Cadmium		---	---	---	Clayey Silt	11/2002	35.8
		3' - 4'	Cadmium		---	---	---	Peat	11/2002	440
SB-56	E9	0" - 2"	Cadmium	---	---	---	---	---	11/2002	64.6
SB-57	E10	0' - 1'	Cadmium	---	---	---	---	Top Soil	11/2002	195
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	98.9
		2' - 3'	Cadmium		---	---	---	Sandy Silt/Peat	11/2002	219
		3' - 4'	Cadmium		---	---	---	Peat	11/2002	420
SB-58	E10	0" - 2"	Cadmium	---	---	---	---	---	11/2002	197
SB-59	E10	0' - 1'	Cadmium	---	---	---	---	Sandy Silt	11/2002	42.5
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	310
		2' - 3'	Cadmium		---	---	---	Sandy Silt	11/2002	84.5
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	636
SB-60	C15	0' - 1'	Cadmium	---	---	---	---	Silty Sand	11/2002	7.8
		1' - 2'	Cadmium		---	---	---	Clayey Silt	11/2002	10.9
		2' - 3'	Cadmium		---	---	---	Clayey Silt	11/2002	4.5
		3' - 4'	Cadmium		---	---	---	Clayey Silt/Peat	11/2002	139
SB-201	E8	0" - 2"	Cadmium	---	---	---	---	---	11/2002	0.61
		0' - 1'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.61
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.58
		2' - 3'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.55
		3' - 4'	Cadmium		---	---	---	Sand	11/2002	<0.56
SB-202	E10	0" - 2"	Cadmium	---	---	---	---	---	11/2002	7.5
		0' - 1'	Cadmium		---	---	---	Sandy Silt	11/2002	20.4
		1' - 2'	Cadmium		---	---	---	Silty Sand	11/2002	18.4
		2' - 3'	Cadmium		---	---	---	Sandy Silt	11/2002	8.7
		3' - 4'	Cadmium		---	---	---	Sandy Silt/Peat	11/2002	2,330
SB-203	D12	0" - 2"	Cadmium	---	---	---	---	---	11/2002	8.7
		0' - 1'	Cadmium		---	---	---	Silty Sand	11/2002	6.1
		1' - 2'	Cadmium		---	---	---	Silty Sand	11/2002	<0.58
		2' - 3'	Cadmium		---	---	---	Silty Sand	11/2002	2.0
		3' - 4'	Cadmium		---	---	---	Silty Sand	11/2002	353
SB-204	D12	0' - 1'	Cadmium	---	---	---	---	Silty Sand	11/2002	98.1
		1' - 2'	Cadmium		---	---	---	Silty Sand	11/2002	47.6
		2' - 3'	Cadmium		---	---	---	Silty Sand	11/2002	80.4
		3' - 4'	Cadmium		---	---	---	Silty Sand/Peat	11/2002	219
SB-205	D13	0" - 2"	Cadmium	---	---	---	---	---	11/2002	2.5
		0' - 1'	Cadmium		---	---	---	Topsoil	11/2002	16.4
		1' - 2'	Cadmium		---	---	---	Fill	11/2002	2.6
		2' - 3'	Cadmium		---	---	---	Fill/Sandy Silt	11/2002	148
		3' - 4'	Cadmium		---	---	---	Sandy Silt/Peat	11/2002	291
SB-206	C14	0" - 2"	Cadmium	---	---	---	---	---	11/2002	31.7
		0' - 1'	Cadmium		---	---	---	Topsoil	11/2002	29.4
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	1.2
		2' - 3'	Cadmium		---	---	---	Sandy Silt/Peat	11/2002	79.8
		3' - 4'	Cadmium		---	---	---	Peat	11/2002	82.6
SB-207	D15	0' - 1'	Cadmium	---	---	---	---	Topsoil	11/2002	45.8
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	233
		2' - 3'	Cadmium		---	---	---	Sandy Silt	11/2002	71.4
		3' - 4'	Cadmium		---	---	---	Silty Sand	11/2002	125

Table 4A
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-217	C1	0" - 2"	Cadmium	389.18	384.22	389.01	Above	Organic Silt/Sand	10/29/2003	1.5
		0' - 1'	Cadmium		384.22	388.18	Above	Organic Silt/Sand	10/29/2003	6.0
		1' - 2'	Cadmium		384.22	387.18	Above	Organic Silt/Sand	10/29/2003	2.1
		2' - 3'	Cadmium		384.22	386.18	Above	Sandy Silt	10/29/2003	0.68
		3' - 4'	Cadmium		384.22	385.18	Above	Clayey Silt	10/29/2003	<0.65
		4' - 5'	Cadmium		384.22	384.18	At	Till	10/29/2003	<0.53
SB-218	D1	0" - 2"	Cadmium	390.79	384.20	390.62	Above	Topsoil	10/29/2003	1.0
		0' - 1'	Cadmium		384.20	389.79	Above	Silty Sand	10/29/2003	0.76
		1' - 2'	Cadmium		384.20	388.79	Above	Silty Sand	10/29/2003	<0.60
		2' - 3'	Cadmium		384.20	387.79	Above	Fill	10/29/2003	<0.60
		3' - 4'	Cadmium		384.20	386.79	Above	Fill to Organic Silt Sand to Silt/Sand/Gravel	10/29/2003	<0.67
		4' - 5'	Cadmium		384.20	385.79	Above	Silt/Sand/ Gravel	10/29/2003	<0.63
		5' - 6'	Cadmium		384.20	384.79	Above	Silt/Sand/ Gravel/Peat	10/29/2003	<0.56
		6' - 7'	Cadmium		384.20	383.79	At	Till	10/29/2003	<0.55
SB-219	D4	0" - 2"	Cadmium	385.96	383.55	385.79	Above	Topsoil	10/30/2003	247
		0' - 1'	Cadmium		383.55	384.96	Above	Topsoil	10/30/2003	466 [29]
		1' - 2'	Cadmium		383.55	383.96	At	Organic Silt/Sand	10/30/2003	40.5
		2' - 3'	Cadmium		383.55	382.96	Below	Organic Silt/Sand	10/30/2003	270
		3' - 4'	Cadmium		383.55	381.96	Below	Organic Silt/Sand	10/30/2003	2,200
		4' - 5'	Cadmium		383.55	380.96	Below	Silt/Sand/ Cobble	10/30/2003	153
		5' - 6'	Cadmium		383.55	379.96	Below	Till	10/30/2003	<0.54
SB-220	E4	0" - 2"	Cadmium	388.56	383.76	388.39	Above	Silty Sand	10/30/2003	1.5
		0' - 1'	Cadmium		383.76	387.56	Above	Silty Sand	10/30/2003	<0.60
		1' - 2'	Cadmium		383.76	386.56	Above	Silty Sand	10/30/2003	<0.57
		2' - 3'	Cadmium		383.76	385.56	Above	Silty Sand	10/30/2003	<0.56
		3' - 4'	Cadmium		383.76	384.56	Above	Silty Sand	10/30/2003	<0.58
		4' - 5'	Cadmium		383.76	383.56	At	Silt/Sand/ Gravel/Cobble	10/30/2003	<0.54
		5' - 6'	Cadmium		383.76	382.56	Below	Silt/Sand/ Gravel/Cobble	10/30/2003	<0.56
		6' - 7'	Cadmium		383.76	381.56	Below	Silt/Sand/ Gravel/Cobble	10/30/2003	<0.54
		7' - 8'	Cadmium		383.76	380.56	Below	Silt/Sand/ Gravel/Cobble	10/30/2003	<0.56
SB-221	E5	0" - 2"	Cadmium	384.32	383.00	384.15	Above	Topsoil	10/28/2003	65.1
		0' - 1'	Cadmium		383.00	383.32	At	Silty Sand	10/28/2003	59.1
		1' - 2'	Cadmium		383.00	382.32	Below	Silty Sand to Organic Silt/Sand	10/28/2003	1,430
		2' - 3'	Cadmium		383.00	381.32	Below	Organic Silt/Sand	10/28/2003	2,090
		3' - 4'	Cadmium		383.00	380.32	Below	Sandy Silt to Till	10/28/2003	13.3
		4' - 5'	Cadmium		383.00	379.32	Below	Till	10/28/2003	<0.56
SB-222	E4	0" - 2"	Cadmium	383.87	383.00	383.70	Above	Topsoil	10/28/2003	508
		0' - 1'	Cadmium		383.00	382.87	At	Organic Silt/Sand	10/28/2003	434
		1' - 2'	Cadmium		383.00	381.87	Below	Silty Sand	10/28/2003	36.4
		2' - 3'	Cadmium		383.00	380.87	Below	Silty Sand	10/28/2003	1.3
		3' - 4'	Cadmium		383.00	379.87	Below	Organic Silt/Sand	10/28/2003	0.65
		4' - 5'	Cadmium		383.00	378.87	Below	Organic Silt/Sand	10/28/2003	8.1
		5' - 6'	Cadmium		383.00	377.87	Below	Till	10/28/2003	<0.53
SB-223	F5	0" - 2"	Cadmium	380.90	382.18	380.73	Below	Organic Silt/Sand	10/28/2003	937
		0' - 1'	Cadmium		382.18	379.90	Below	Organic Silt/Sand	10/28/2003	1,960
		1' - 2'	Cadmium		382.18	378.90	Below	Organic Silt/Sand	10/28/2003	389
		2' - 3'	Cadmium		382.18	377.90	Below	Organic Silt/Sand	10/28/2003	7.5
		3' - 4'	Cadmium		382.18	376.90	Below	Organic Silt/Sand	10/28/2003	2.5 [2.8]
		4' - 5'	Cadmium		382.18	375.90	Below	Till	10/28/2003	26.6
		5' - 6'	Cadmium		382.18	374.90	Below	Till	10/28/2003	<0.55
		6' - 7'	Cadmium		382.18	373.90	Below	Till	10/28/2003	<0.533
		7' - 8'	Cadmium		382.18	372.90	Below	Till	10/28/2003	<0.545
SB-224	F5	0" - 2"	Cadmium	382.28	382.18	382.11	At	Silty Sand	10/28/2003	9.6
		0' - 1'	Cadmium		382.18	381.28	Below	Silty Sand	10/28/2003	3.1
		1' - 2'	Cadmium		382.18	380.28	Below	Silty Sand	10/28/2003	897
		2' - 3'	Cadmium		382.18	379.28	Below	Organic Silt/Sand	10/28/2003	1,630
		3' - 4'	Cadmium		382.18	378.28	Below	Organic Silt/Sand to Till	10/28/2003	212
		4' - 5'	Cadmium		382.18	377.28	Below	Till	10/28/2003	17.5
		5' - 6'	Cadmium		382.18	376.28	Below	Till	10/28/2003	<0.54
		6' - 7'	Cadmium		382.18	375.28	Below	Till	10/28/2003	<0.546

Table 4A
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-225	G7	0" - 2"	Cadmium	381.14	379.18	380.97	Above	Silty Sand	10/28/2003	70.9
		0' - 1'	Cadmium		379.18	380.14	Above	Silty Sand	10/27/2003	28.5
		1' - 2'	Cadmium		379.18	379.14	At	Silty Sand	10/27/2003	5.2
		2' - 3'	Cadmium		379.18	378.14	Below	Organic Silt/Sand	10/27/2003	1,240
		3' - 4'	Cadmium		379.18	377.14	Below	Organic Silt/Sand	10/27/2003	8.6
		4' - 5'	Cadmium		379.18	376.14	Below	Organic Silt/Sand	10/27/2003	1,140
		5' - 6'	Cadmium		379.18	375.14	Below	Silty Sand/Gravel/Cobbles	10/27/2003	<0.50
		6' - 7'	Cadmium		379.18	374.14	Below	Silty Sand/Gravel/Cobbles	10/27/2003	<0.51
		7' - 8'	Cadmium		379.18	373.14	Below	Silty Sand/Gravel/Cobbles	10/27/2003	<0.52
SB-226	G7	0" - 2"	Cadmium	380.59	379.30	380.42	Above	Silty Sand	10/28/2003	151
		0' - 1'	Cadmium		379.30	379.59	At	Silty Sand	10/27/2003	15.4
		1' - 2'	Cadmium		379.30	378.59	Below	Organic Silt/Sand	10/27/2003	124
		2' - 3'	Cadmium		379.30	377.59	Below	Organic Silt/Sand	10/27/2003	4.2 [3.9]
		3' - 4'	Cadmium		379.30	376.59	Below	Organic Silt/Sand	10/27/2003	0.80
		4' - 5'	Cadmium		379.30	375.59	Below	Till	10/27/2003	4.3
		5' - 6'	Cadmium		379.30	374.59	Below	Till	10/27/2003	<0.55
		6'-7'	Cadmium		379.30	373.59	Below	Till	10/27/2003	<0.53
		7' - 8'	Cadmium		379.30	372.59	Below	Till	10/27/2003	<0.53
SB-227	D4	0" - 2"	Cadmium	386.29	383.69	386.12	Above	Topsoil	10/28/2003	41.7
		0' - 1'	Cadmium		383.69	385.29	Above	Silty Sand	10/28/2003	63.8
		1' - 2'	Cadmium		383.69	384.29	Above	Silty Sand	10/28/2003	235
		2' - 3'	Cadmium		383.69	383.29	At	Sandy Silt	10/28/2003	86.4
		3' - 4'	Cadmium		383.69	382.29	Below	Organic Silt/Sand to Till	10/28/2003	13.7
SB-228	E6	0" - 2"	Cadmium	384.13	383.00	383.96	Above	Topsoil	10/28/2003	12.6
		0' - 1'	Cadmium		383.00	383.13	At	Silty Sand To Silty Clay	10/28/2003	1.5 [1.1]
		1' - 2'	Cadmium		383.00	382.13	Below	Silty Sand	10/28/2003	<0.59
		2' - 3'	Cadmium		383.00	381.13	Below	Silty Sand/ Gravel	10/28/2003	5.6
SB-400	E3	0" - 2"	Cadmium	391.92	383.63	391.75	Above	Topsoil	10/30/2003	<0.72
		0' - 1'	Cadmium		383.63	390.92	Above	Topsoil	10/30/2003	<0.59
		1' - 2'	Cadmium		383.63	389.92	Above	Silty Sand	10/30/2003	<0.56
		2' - 3'	Cadmium		383.63	388.92	Above	Silty Sand	10/30/2003	<0.54
		3' - 4'	Cadmium		383.63	387.92	Above	Silty Sand	10/30/2003	<0.53
		4' - 5'	Cadmium		383.63	386.92	Above	Silty Sand	10/30/2003	<0.55
		5' - 6'	Cadmium		383.63	385.92	Above	Silty Sand	10/30/2003	<0.55
		6' - 7'	Cadmium		383.63	384.92	Above	Silty Sand/ Gravel	10/30/2003	<0.53
		7' -8 '	Cadmium		383.63	383.92	At	Silty Sand/ Gravel	10/30/2003	<0.54
		8' - 9'	Cadmium		383.63	382.92	Below	Sand	10/30/2003	<0.55
		9' - 10'	Cadmium		383.63	381.92	Below	Sand	10/30/2003	<0.54
		10' - 11'	Cadmium		383.63	380.92	Below	Silty Sand/ Gravel	10/30/2003	<0.56
		11' - 12'	Cadmium		383.63	379.92	Below	Silty Sand/ Gravel	10/30/2003	<0.53
		12' - 13'	Cadmium		383.63	378.92	Below	Silty Sand/ Gravel	10/30/2003	<0.56
		13' - 14'	Cadmium		383.63	377.92	Below	Silty Sand/ Gravel	10/30/2003	<0.54
		14' - 15'	Cadmium		383.63	376.92	Below	Silty Sand/ Gravel	10/30/2003	<0.55
		15' - 16'	Cadmium		383.63	375.92	Below	Silty Sand/ Gravel	10/30/2003	<0.54
SB-401	B1	0" - 2"	Cadmium	387.37	384.28	387.20	Above	Organic Silt/Sand	10/28/2003	489
		0' - 1'	Cadmium		384.28	386.37	Above	Organic Silt/Sand	10/28/2003	771
		1' - 2'	Cadmium		384.28	385.37	Above	Organic Silt/Sand	10/28/2003	61.5
		2' - 3'	Cadmium		384.28	384.37	At	Organic Silt/Sand to Till	10/28/2003	35.6
		3' - 4'	Cadmium		384.28	383.37	Below	Till	10/28/2003	<0.55
SB-402	D2	0" - 2"	Cadmium	389.59	384.19	389.42	Above	Organic Silt/Sand	10/29/2003	22.0
		0' - 1'	Cadmium		384.19	388.59	Above	Organic Silt/Sand	10/29/2003	<0.69
		1' - 2'	Cadmium		384.19	387.59	Above	Organic Silt/Sand	10/29/2003	<0.63
		2' - 3'	Cadmium		384.19	386.59	Above	Organic Silt/Sand/Gravel	10/29/2003	<0.68
		3' - 4'	Cadmium		384.19	385.59	Above	Organic Silt/Sand/Gravel	10/29/2003	<0.63
		4' - 5'	Cadmium		384.19	384.59	At	Organic Silt/Sand/Gravel	10/29/2003	<0.64
		5' - 6'	Cadmium		384.19	383.59	Below	Organic Silt/Sand/Gravel to Sand	10/29/2003	<0.61 [<0.61]
		6' - 7'	Cadmium		384.19	382.59	Below	Till	10/29/2003	<0.56
SB-403	D4	0" - 2"	Cadmium	385.52	383.59	385.35	Above	Topsoil	10/30/2003	17.8
		0' - 1'	Cadmium		383.59	384.52	Above	Organic Silt/Sand	10/30/2003	16.3
		1' - 2'	Cadmium		383.59	383.52	At	Organic Silt/Sand	10/30/2003	38.3
		2' - 3'	Cadmium		383.59	382.52	Below	Silt/Sand/Gravel/Cobble	10/30/2003	89.1
		3' - 4'	Cadmium		383.59	381.52	Below	Silt/Sand/Gravel/Cobble	10/30/2003	5.3

Table 4A
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
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Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-404	E4	0" - 2"	Cadmium	385.59	383.00	385.42	Above	Topsoil	10/28/2003	11.4
		0' - 1'	Cadmium		383.00	384.59	Above	Silty Sand	10/28/2003	9.8 [10.3]
		1' - 2'	Cadmium		383.00	383.59	Above	Silty Sand	10/28/2003	1.3
		2' - 3'	Cadmium		383.00	382.59	At	Silty Sand	10/28/2003	<0.57
		3' - 4'	Cadmium		383.00	381.59	Below	Silty Sand	10/28/2003	<0.54
		4' - 5'	Cadmium		383.00	380.59	Below	Till	10/28/2003	<0.53
SB-405	F6	0" - 2"	Cadmium	384.96	382.18	384.79	Above	Topsoil	10/28/2003	2.0
		0' - 1'	Cadmium		382.18	383.96	Above	Silty Sand	10/28/2003	<0.61
		1' - 2'	Cadmium		382.18	382.96	Above	Silty Sand	10/28/2003	<0.64
		2' - 3'	Cadmium		382.18	381.96	At	Sand/Gravel	10/28/2003	<0.56
		3' - 4'	Cadmium		382.18	380.96	Below	Fill	10/28/2003	<0.60
		4' - 5'	Cadmium		382.18	379.96	Below	Fill	10/28/2003	<0.63
		5' - 6'	Cadmium		382.18	378.96	Below	Silty Sand	10/28/2003	<0.54
		6' - 7'	Cadmium		382.18	377.96	Below	Till	10/28/2003	<0.53
SB-406	G7	0" - 2"	Cadmium	381.26	378.86	381.09	Above	Gravel	10/28/2003	4.6
		0' - 1'	Cadmium		378.86	380.26	Above	Gravel	10/27/2003	0.92
		1' - 2'	Cadmium		378.86	379.26	At	Silty Sand	10/27/2003	<0.56
		2' - 3'	Cadmium		378.86	378.26	Below	Silty Sand	10/27/2003	<0.52 [<0.55]
		3' - 4'	Cadmium		378.86	377.26	Below	Silty Sand	10/27/2003	<0.55
		4' - 5'	Cadmium		378.86	376.26	Below	Silty Sand	10/27/2003	<0.56
		5' - 6'	Cadmium		378.86	375.26	Below	Silty Sand	10/27/2003	<0.53
		6' - 7'	Cadmium		378.86	374.26	Below	Silty Sand	10/27/2003	<0.53
		7' - 8'	Cadmium		378.86	373.26	Below	Silty Sand	10/27/2003	<0.54
SB-407	H7	0" - 2"	Cadmium	380.91	377.49	380.74	Above	Topsoil	10/30/2003	392
		0' - 1'	Cadmium		377.49	379.91	Above	Silty Sand	10/30/2003	170
		1' - 2'	Cadmium		377.49	378.91	Above	Silty Sand	10/30/2003	0.86
		2' - 3'	Cadmium		377.49	377.91	At	Organic Silt/Sand	10/30/2003	<0.59 [<0.58]
		3' - 4'	Cadmium		377.49	376.91	Below	Organic Silt/Sand	10/30/2003	<0.60
		4' - 5'	Cadmium		377.49	375.91	Below	Organic Silt/Sand to Peat	10/30/2003	49.1
		5' - 6'	Cadmium		377.49	374.91	Below	Till	10/30/2003	<0.56
SB-408	F8	0" - 2"	Cadmium	382.11	377.43	381.94	Above	Topsoil	10/28/2003	4.7
		0' - 1'	Cadmium		377.43	381.11	Above	Silty Sand	10/27/2003	1.1
		1' - 2'	Cadmium		377.43	380.11	Above	Silty Sand	10/27/2003	<0.62
		2' - 3'	Cadmium		377.43	379.11	Above	Silty Sand	10/27/2003	<0.54
		3' - 4'	Cadmium		377.43	378.11	Above	Sand/Gravel/Cobbles	10/27/2003	<0.52
		4' - 5'	Cadmium		377.43	377.11	At	Sand/Gravel/Cobbles	10/27/2003	<0.52
		5' - 6'	Cadmium		377.43	376.11	Below	Sand/Gravel/Cobbles	10/27/2003	<0.52
		6' - 7'	Cadmium		377.43	375.11	Below	Clayey Silt	10/27/2003	<0.56
		7' - 8'	Cadmium		377.43	374.11	Below	Clayey Silt	10/27/2003	<0.54
SB-409	G8	0" - 2"	Cadmium	380.44	376.73	380.27	Above	Topsoil	10/28/2003	153
		0' - 1'	Cadmium		376.73	379.44	Above	Silty Sand	10/28/2003	61.6
		1' - 2'	Cadmium		376.73	378.44	Above	Silty Sand	10/28/2003	0.7
		2' - 3'	Cadmium		376.73	377.44	Above	Silty Sand	10/28/2003	<0.57
		3' - 4'	Cadmium		376.73	376.44	At	Silty Sand	10/28/2003	<0.59
		4' - 5'	Cadmium		376.73	375.44	Below	Silty Sand	10/28/2003	4.4
		5' - 6'	Cadmium		376.73	374.44	Below	Silty Sand to Organic Silt/Sand	10/28/2003	992 [1,360]
		6' - 7'	Cadmium		376.73	373.44	Below	Organic Silt/Sand	10/28/2003	2.4
		7' - 8'	Cadmium		376.73	372.44	Below	Sand/Gravel	10/28/2003	0.96
		8' - 9'	Cadmium		376.73	371.44	Below	Peat to Organic Silt/Sand	10/28/2003	1,540
		9' - 10'	Cadmium		376.73	370.44	Below	Organic Silt/Sand to Sand/Gravel	10/28/2003	1.2
		10' - 11'	Cadmium		376.73	369.44	Below	Sand/Gravel	10/28/2003	<0.56
		11' - 12'	Cadmium		376.73	368.44	Below	Till	10/28/2003	<0.53
SB-410	G9	0" - 2"	Cadmium	378.99	375.85	378.82	Above	Silty Sand	10/28/2003	2.2
		0' - 1'	Cadmium		375.85	377.99	Above	Silty Sand	10/28/2003	1.6
		1' - 2'	Cadmium		375.85	376.99	Above	Silty Sand	10/28/2003	16.3
		2' - 3'	Cadmium		375.85	375.99	At	Silty Sand to Peat	10/28/2003	4,230
		3' - 4'	Cadmium		375.85	374.99	Below	Peat	10/28/2003	7.7
		4' - 5'	Cadmium		375.85	373.99	Below	Peat to Clayey Silt	10/28/2003	463
		5' - 6'	Cadmium		375.85	372.99	Below	Organic Silt/Sand	10/28/2003	1.4

Table 4A
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West Branch of Bloody Brook
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Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-411	H8	0" - 2"	Cadmium	379.09	377.20	378.92	Above	Topsoil	10/28/2003	15.6
		0' - 1'	Cadmium		377.20	378.09	Above	Silty Sand	10/28/2003	3.6
		1' - 2'	Cadmium		377.20	377.09	At	Silty Sand	10/28/2003	4.3
		2' - 3'	Cadmium		377.20	376.09	Below	Organic Silt/Sand	10/28/2003	<1.0
		3' - 4'	Cadmium		377.20	375.09	Below	Organic Silt/Sand	10/28/2003	<0.78
		4' - 5'	Cadmium		377.20	374.09	Below	Organic Silt/Sand	10/28/2003	2.1
		5' - 6'	Cadmium		377.20	373.09	Below	Organic Silt/Sand to Sand/Gravel	10/28/2003	<0.63
		6' - 7'	Cadmium		377.20	372.09	Below	Sand	10/28/2003	<0.60 [<0.63]
		7' - 8'	Cadmium		377.20	371.09	Below	Sand to Till	10/28/2003	<0.56
SB-412	H8	0" - 2"	Cadmium	378.81	377.16	378.64	Above	Topsoil	10/28/2003	29.3
		0' - 1'	Cadmium		377.16	377.81	Above	Silty Sand	10/28/2003	11.4
		1' - 2'	Cadmium		377.16	376.81	At	Silty Sand	10/28/2003	71.8
		2' - 3'	Cadmium		377.16	375.81	Below	Peat	10/28/2003	2,360
		3' - 4'	Cadmium		377.16	374.81	Below	Peat to Organic Silt/Sand	10/28/2003	1,140
		4' - 5'	Cadmium		377.16	373.81	Below	Organic Silt/Sand	10/28/2003	1,730
		5' - 6'	Cadmium		377.16	372.81	Below	Organic Silt/Sand	10/28/2003	13.6
		6' - 7'	Cadmium		377.16	371.81	Below	Till	10/28/2003	16.3
		7' - 8'	Cadmium		377.16	370.81	Below	Till	10/28/2003	1.1
SB-413	E10	4' - 5'	Cadmium	377.15	372.46	372.15	At	Organic Silt/Sand	10/20/2003	2.2
		5' - 6'	Cadmium		372.46	371.15	Below	Organic Clayey Sand	10/20/2003	3.5
		6' - 7'	Cadmium		372.46	370.15	Below	Organic Silt/Sand	10/20/2003	<0.85
SB-414	E10	0" - 2"	Cadmium	379.56	372.62	379.39	Above	Topsoil	10/24/2003	34.9
		0' - 1'	Cadmium		372.62	378.56	Above	Sandy Silt	10/24/2003	96.1
		1' - 2'	Cadmium		372.62	377.56	Above	Sandy Silt	10/24/2003	16.0
		2' - 3'	Cadmium		372.62	376.56	Above	Sandy Silt	10/24/2003	14.7 [13.9]
		3' - 4'	Cadmium		372.62	375.56	Above	Sandy Silt	10/24/2003	5,350
		4' - 5'	Cadmium		372.62	374.56	Above	Organic Silt/Sand	10/24/2003	120
		5' - 6'	Cadmium		372.62	373.56	Above	Organic Silt/Sand to Clayey Silt	10/24/2003	6.9
		6' - 7'	Cadmium		372.62	372.56	At	Organic Clayey Silt	10/24/2003	1.3
		7' - 8'	Cadmium		372.62	371.56	Below	Organic Silt/Sand	10/24/2003	<0.72
SB-435	C1	0" - 2"	Cadmium	389.14	384.27	388.97	Above	Organic Silty Sand	4/28/2004	394
		0' - 1'	Cadmium		384.27	388.14	Above	Silty Sand	4/28/2004	166
		1' - 2'	Cadmium		384.27	387.14	Above	Silty Sand	4/28/2004	24.4
		2' - 3'	Cadmium		384.27	386.14	Above	Till	4/28/2004	4.43 [4.87]
SB-436	B1	0" - 2"	Cadmium	388.91	384.28	388.74	Above	Organic Silt	4/28/2004	42.8
		0' - 1'	Cadmium		384.28	387.91	Above	Organic Silt	4/28/2004	23.4
		1' - 2'	Cadmium		384.28	386.91	Above	Organic Silt	4/28/2004	2.55
		2' - 3'	Cadmium		384.28	385.91	Above	Organic Silt	4/28/2004	<0.736
SB-437	B2	0" - 2"	Cadmium	390.63	384.24	390.46	Above	Organic Silt	4/28/2004	1.33
		0' - 1'	Cadmium		384.24	389.63	Above	Organic Silt	4/28/2004	<0.655
		1' - 2'	Cadmium		384.24	388.63	Above	Organic Silt	4/28/2004	<0.644
		2' - 3'	Cadmium		384.24	387.63	Above	Silt	4/28/2004	<0.596
		3' - 4'	Cadmium		384.24	386.63	Above	Silt	4/28/2004	<0.605
SB-438	C4	0" - 2"	Cadmium	387.97	383.63	387.80	Above	Organic Silty Sand	4/28/2004	3.84
		0' - 1'	Cadmium		383.63	386.97	Above	Organic Silty Sand	4/28/2004	1.91
		1' - 2'	Cadmium		383.63	385.97	Above	Organic Silty Sand	4/28/2004	1.03
		2' - 3'	Cadmium		383.63	384.97	Above	Silty Sand	4/28/2004	4.63
		3' - 4'	Cadmium		383.63	383.97	At	Silty Sand	4/28/2004	5.65
SB-439	E4	0" - 2"	Cadmium	387.12	383.00	386.95	Above	Organic Silty Sand	4/28/2004	1.34
		0' - 1'	Cadmium		383.00	386.12	Above	Organic Silty Sand	4/28/2004	<0.641
		1' - 2'	Cadmium		383.00	385.12	Above	Organic Silty Sand	4/28/2004	<0.634 [<0.628]
SB-440	E6	0" - 2"	Cadmium	387.30	383.00	387.13	Above	Silty Sand	4/28/2004	1.45
		0' - 1'	Cadmium		383.00	386.30	Above	Silty Sand	4/28/2004	<0.644
		1' - 2'	Cadmium		383.00	385.30	Above	Sand	4/28/2004	<0.614
		2' - 3'	Cadmium		383.00	384.30	Above	Sand	4/28/2004	<0.576
		3' - 4'	Cadmium		383.00	383.30	At	Sand	4/28/2004	<0.590
		4' - 5'	Cadmium		383.00	382.30	Below	Sand	4/28/2004	<0.610
SB-441	F5	0" - 2"	Cadmium	383.56	382.50	383.39	Above	Organic Silty Sand	4/28/2004	2.37
		0' - 1'	Cadmium		382.50	382.56	At	Organic Silty Sand	4/28/2004	13.4
		1' - 2'	Cadmium		382.50	381.56	Below	Organic Silty Sand	4/28/2004	7.13
		2' - 3'	Cadmium		382.50	380.56	Below	Silty Sand	4/28/2004	2.37
SB-442	G7	0" - 2"	Cadmium	381.80	379.18	381.63	Above	Organic Silt	4/28/2004	4.74
		0' - 1'	Cadmium		379.18	380.80	Above	Organic Silty Sand	4/28/2004	0.685
		1' - 2'	Cadmium		379.18	379.80	Above	Organic Silty Sand	4/28/2004	<0.618
		2' - 3'	Cadmium		379.18	378.80	At	Sandy Silty Clay	4/28/2004	<0.618

Table 4A
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Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-443	G7	0" - 2"	Cadmium	381.02	379.18	380.85	Above	Organic Silty Sand	4/28/2004	31.4
		0' - 1'	Cadmium		379.18	380.02	Above	Silty Sand	4/28/2004	0.962
		1' - 2'	Cadmium		379.18	379.02	At	Silty Sand	4/28/2004	<0.663
		2' - 3'	Cadmium		379.18	378.02	Below	Organic Silt	4/28/2004	<0.871
		3' - 4'	Cadmium		379.18	377.02	Below	Silty Sandy Clay	4/28/2004	<0.624
SB-444	H8	0" - 2"	Cadmium	381.08	377.43	380.91	Above	Topsoil	4/28/2004	84.7
		0' - 1'	Cadmium		377.43	380.08	Above	Sandy Silt	4/28/2004	71.3
		1' - 2'	Cadmium		377.43	379.08	Above	Sandy Silt	4/28/2004	6.06
		2' - 3'	Cadmium		377.43	378.08	Above	Sandy Silt	4/28/2004	28.4
		3' - 4'	Cadmium		377.43	377.08	At	Sandy Silt	4/28/2004	1.05
		4' - 5'	Cadmium		377.43	376.08	Below	Sandy Silt	4/28/2004	0.973
SB-445	G7	0" - 2"	Cadmium	380.95	377.57	380.78	Above	Silty Sand	4/28/2004	135
		0' - 1'	Cadmium		377.57	379.95	Above	Silty Sand	4/28/2004	11.3
		1' - 2'	Cadmium		377.57	378.95	Above	Silty Clay	4/28/2004	5.31
		2' - 3'	Cadmium		377.57	377.95	At	Silty Clay	4/28/2004	1.28
		3' - 4'	Cadmium		377.57	376.95	Below	Organic Silt	4/28/2004	1,910 [2,710]
		4' - 5'	Cadmium		377.57	375.95	Below	Silty Sand	4/28/2004	58.4
SB-446	H8	0" - 2"	Cadmium	379.08	377.33	378.91	Above	Topsoil	4/29/2004	10.9
SB-447	I8	0" - 2"	Cadmium	380.24	377.35	380.07	Above	Topsoil	4/29/2004	<0.814
SB-448	H9	0" - 2"	Cadmium	380.65	376.92	380.48	Above	Sandy Silt	4/28/2004	4.15
		0' - 1'	Cadmium		376.92	379.65	Above	Silty Sand	4/28/2004	1.66
		1' - 2'	Cadmium		376.92	378.65	Above	Sandy Silt	4/28/2004	<0.608
		2' - 3'	Cadmium		376.92	377.65	Above	Sandy Silt	4/28/2004	<0.605
		3' - 4'	Cadmium		376.92	376.65	At	Sandy Silt	4/28/2004	3,800
		4' - 5'	Cadmium		376.92	375.65	Below	Sandy Silt	4/28/2004	2,120
		5' - 6'	Cadmium		376.92	374.65	Below	Sand & Silt	4/28/2004	16.9
SB-449	G9	0" - 2"	Cadmium	383.38	375.85	383.21	Above	Organic Silt	4/29/2004	0.909
		0' - 1'	Cadmium		375.85	382.38	Above	Organic Silt	4/29/2004	<0.665
		1' - 2'	Cadmium		375.85	381.38	Above	Organic Clayey Silt	4/29/2004	<0.605
		2' - 3'	Cadmium		375.85	380.38	Above	Clayey Silt	4/29/2004	<0.609
		3' - 4'	Cadmium		375.85	379.38	Above	Clayey Silt	4/29/2004	<0.613
		4' - 5'	Cadmium		375.85	378.38	Above	Clayey Silt	4/29/2004	<0.64
		5' - 6'	Cadmium		375.85	377.38	Above	Silty Clay	4/29/2004	<0.619
		6' - 7'	Cadmium		375.85	376.38	Above	Clayey Silt	4/29/2004	84.7
		7' - 8'	Cadmium		375.85	375.38	At	Organic Silt	4/29/2004	2,220
		8' - 9'	Cadmium		375.85	374.38	Below	Silt	4/29/2004	8.27
		9' - 10'	Cadmium		375.85	372.38	Below	Sandy Silt	4/29/2004	14.6
		10' - 11'	Cadmium		375.85	371.38	Below	Organic Silt	4/29/2004	18.3
		11' - 11.5'	Cadmium		375.85	370.88	Below	Sandy Silt	4/29/2004	8.21
SB-450	F9	0" - 2"	Cadmium	377.94	374.64	377.77	Above	Sandy Silt	4/29/2004	33.5
		0' - 1'	Cadmium		374.64	376.94	Above	Sandy Silt	4/29/2004	27.3
		1' - 2'	Cadmium		374.64	375.94	Above	Sand	4/29/2004	26.9
		2' - 3'	Cadmium		374.64	374.94	At	Organic Clayey Silt	4/29/2004	38.0
		3' - 4'	Cadmium		374.64	373.94	Below	Silt	4/29/2004	10.4
		4' - 4.5'	Cadmium		374.64	373.44	Below	Silty Sand	4/29/2004	1.44
SB-451	F9	0" - 2"	Cadmium	377.97	374.64	377.80	Above	Clayey Silt	4/29/2004	10.4
		0' - 1'	Cadmium		374.64	376.97	Above	Organic Sandy Silt	4/29/2004	9.4
		1' - 2'	Cadmium		374.64	375.97	Above	Sandy Silt	4/29/2004	3.53 [0.671]
		2' - 3'	Cadmium		374.64	374.97	At	Sandy Silt	4/29/2004	196
		3' - 4'	Cadmium		374.64	373.97	Below	Silty Sand	4/29/2004	1,390
SB-452	E10	0" - 2"	Cadmium	381.80	372.62	381.63	Above	Topsoil	4/29/2004	1.84
		0' - 1'	Cadmium		372.62	380.80	Above	Topsoil	4/29/2004	<0.654
		1' - 2'	Cadmium		372.62	379.80	Above	Clayey Silt	4/29/2004	<0.623
SB-456	E10	0" - 2"	Cadmium	384.58	373.04	384.41	Above	Topsoil	4/29/2004	<0.658
		0' - 1'	Cadmium		373.04	383.58	Above	Clayey Silt	4/29/2004	<0.607
		1' - 2'	Cadmium		373.04	382.58	Above	Silt	4/29/2004	<0.620
		2' - 3'	Cadmium		373.04	381.58	Above	Sandy Silt	4/29/2004	<0.619
		3' - 4'	Cadmium		373.04	380.58	Above	Clayey Silt	4/29/2004	<0.605
		4' - 5'	Cadmium		373.04	379.58	Above	Clayey Silt	4/29/2004	<0.588
		5' - 6'	Cadmium		373.04	378.58	Above	Sandy Silt	4/29/2004	1.46
SB-457	C2	0" - 2"	Cadmium	387.53	384.10	387.36	Above	Organic Silt	4/29/2004	253
		0' - 1'	Cadmium		384.10	386.53	Above	Organic Silt	4/29/2004	84.5
		1' - 2'	Cadmium		384.10	385.53	Above	Sandy Silt	4/29/2004	12.5
		2' -2.25'	Cadmium		384.10	385.28	Above	Sandy Silt	4/29/2004	3.9
SB-458	C2	0" - 2"	Cadmium	387.06	384.09	386.89	Above	Organic Sandy Silt	4/29/2004	446
		0' - 1'	Cadmium		384.09	386.06	Above	Organic Sandy Silt	4/29/2004	188
		1' - 2'	Cadmium		384.09	385.06	Above	Silt	4/29/2004	15.5
SB-459	C2	0" - 2"	Cadmium	387.63	384.09	387.46	Above	Clayey Silt	4/29/2004	27.0
		0' - 1'	Cadmium		384.09	386.63	Above	Clayey Silt	4/29/2004	21.6
		1' - 2'	Cadmium		384.09	385.63	Above	Organic Clayey Silt	4/29/2004	1.96
		2' - 3'	Cadmium		384.09	384.63	Above	Organic Clayey Silt	4/29/2004	30.3

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SSSWP-1	F8	0" - 6"	Cadmium	---	---	---	---	---	12/19/2007	7.0 [10.8]
		6" - 24"	Cadmium		---	---	---	---	12/19/2007	25.8
SSSWP-1E	F8	0" - 6"	Cadmium	379.79	376.73	379.29	Above	Gravelly sand with some silt, organics	4/27/2011	18.4
		6" - 12'	Cadmium		376.73	378.79	Above	Gravelly sand with some silt, organics	4/27/2011	33.9
		1' - 2'	Cadmium		376.73	377.79	Above	Silty sand with trace gravel, organics, clay	4/27/2011	26.3
SSSWP-1N	F8	0" - 6"	Cadmium	380.60	377.16	380.10	Above	Silt and fine sand, organics	4/27/2011	1.8
		6" - 12'	Cadmium		377.16	379.60	Above	Fine sand	4/27/2011	0.045 J
		1' - 2'	Cadmium		377.16	378.60	Above	Fine sand, wet	4/27/2011	0.048 J
SSSWP-1R	F8	0" - 6"	Cadmium	381.25	376.69	380.75	Above	Silt with little fine sand, trace gravel, organics	4/27/2011	8.3
		6" - 12'	Cadmium		376.69	380.25	Above	Fine sand, trace gravel	4/27/2011	0.72
		1' - 2'	Cadmium		376.69	379.25	Above	Fine sand, trace gravel	4/27/2011	2.9
SSSWP-1S	F8	0" - 6"	Cadmium	381.03	376.35	380.53	Above	Sandy silt with organics	4/27/2011	6.8
		6" - 12'	Cadmium		376.35	380.03	Above	Sandy silt with organics	4/27/2011	4.3
		1' - 2'	Cadmium		376.35	379.03	Above	Sandy silt with organics, trace gravel	4/27/2011	3.2
SSSWP-1W	F8	0" - 6"	Cadmium	381.56	376.96	381.06	Above	Sandy silt with organics	4/27/2011	2.6
		6" - 12'	Cadmium		376.96	380.56	Above	Silty sand with organics	4/27/2011	0.40
		1' - 2'	Cadmium		376.96	379.56	Above	Fine sand	4/27/2011	0.58 J
SSSWP-2	F7	0" - 6"	Cadmium	---	---	---	---	---	12/19/2007	2.2
		6" - 15"	Cadmium		---	---	---	---	12/19/2007	0.62
SSSWP-3	F7	0" - 6"	Cadmium	---	---	---	---	---	12/19/2007	0.77
		6" - 24"	Cadmium		---	---	---	---	12/19/2007	<0.05
SSSWP-4	F6	0" - 6"	Cadmium	---	---	---	---	---	12/19/2007	4.7
		6" - 24"	Cadmium		---	---	---	---	12/19/2007	<0.04
SSSWP-5	E5	0" - 6"	Cadmium	---	---	---	---	---	12/19/2007	3.2
		6" - 24"	Cadmium		---	---	---	---	12/19/2007	0.28

Notes:

1. Boring locations are shown on Figure 10A.
2. Figure coordinates correspond to coordinate system shown on Figure 10A.
3. The soil classification descriptions identified in the table represent the predominant soil type for the respective intervals.
4. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
5. --- indicates that the information is not available.
6. Duplicate results are presented in brackets.
7. B - Compound was found in the blank and sample.
8. J - The detected concentration is an estimated value.
9. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
10. < - Analyte not detected at the reporting limit shown.

Table 4B
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
B-6	E29	0.80' - 1.5'	Cadmium	---	---	---	---	---	11/24/2003	0.97
		1.5' - 7.5'	Cadmium		---	---	---	---	11/24/2003	<0.59
B-7	D29	0' - 1.5'	Cadmium	---	---	---	---	---	11/24/2003	2
		1.5' - 10'	Cadmium		---	---	---	---	11/24/2003	2.5
B-8	E28	0' - 2.5'	Cadmium	---	---	---	---	---	11/24/2003	0.72
		2.5' - 10'	Cadmium		---	---	---	---	11/24/2003	0.93
B-9	F27	0' - 1'	Cadmium	---	---	---	---	---	11/24/2003	<0.62
		1' - 10'	Cadmium		---	---	---	---	11/24/2003	<0.57
B-10	F22	0' - 1.5'	Cadmium	---	---	---	---	---	11/25/2003	7
		1.5' - 10'	Cadmium		---	---	---	---	11/25/2003	0.95
DI-04-01	F17	0' - 1'	Cadmium	377.21	369.96	376.21	Above	Silt with little clay & little sand	4/25/2011	1.7
		5' - 6'	Cadmium		369.96	371.21	Above	Silty clay with some fine sand	4/25/2011	0.29
		6' - 7'	Cadmium		369.96	370.21	At	Clay with little silt (organics)	4/25/2011	1.4
		7' - 8'	Cadmium		369.96	369.21	Below	Clay with little silt (organics)	4/25/2011	332
		8' - 9'	Cadmium		369.96	368.21	Below	Clay with little silt (organics)	4/25/2011	0.98
DI-06-01	F18	0' - 1'	Cadmium	375.82	369.18	374.82	Above	Fine sand with little silt	4/25/2011	1.4
		1' - 2'	Cadmium		369.18	373.82	Above	Fine sand with little silt	4/25/2011	0.19 J
		2' - 3'	Cadmium		369.18	372.82	Above	Silt with some fine sand & trace clay	4/25/2011	0.24
		3' - 4'	Cadmium		369.18	371.82	Above	Silt with some fine sand & trace clay	4/25/2011	0.25
		4' - 5'	Cadmium		369.18	370.82	Above	Silt with some fine sand & trace clay	4/25/2011	0.47
		5' - 6'	Cadmium		369.18	369.82	Above	Silt with little sand & little clay	4/25/2011	10.5
		6' - 7'	Cadmium		369.18	368.82	At	Silt with little sand & little clay	4/25/2011	0.48
		7' - 8'	Cadmium		369.18	367.82	Below	Gray clay at 7'-6"	4/25/2011	<0.26 U
DI-06-02	F18	4' - 5'	Cadmium	376.21	369.98	371.21	Above	Silt with little clay	4/25/2011	0.20 J
		5' - 6'	Cadmium		369.98	370.21	At	Silt with little clay	4/25/2011	3.2
		6' - 7'	Cadmium		369.98	369.21	Below	Silt with little clay	4/25/2011	0.26 J
DI-07-01	F20	0' - 1'	Cadmium	---	---	---	---	Silt & sand/gravel & organics	8/14/2009	28.8 J
		1' - 2'	Cadmium		---	---	---	Silty clay/gravel	8/14/2009	32.2 J [36.1 J]
		2' - 3'	Cadmium		---	---	---	Silt & sand	8/14/2009	20.7 J
		3' - 4'	Cadmium		---	---	---	Silt & clay	8/14/2009	1.16 J
DI-07-02	F20	0' - 1'	Cadmium	---	---	---	---	Silty clay/gravel & organics	8/14/2009	32.4 J
		1' - 2'	Cadmium		---	---	---	Silt & clay/gravel	8/14/2009	5.98 J
		2' - 3'	Cadmium		---	---	---	Silt & clay/gravel	8/14/2009	10.8 J
		3' - 4'	Cadmium		---	---	---	Silt & sand/clay	8/14/2009	12.1 J
		4' - 5'	Cadmium		---	---	---	Silt & sand/clay	8/14/2009	6.11 J
		5' - 6'	Cadmium		---	---	---	Silt & sand/clay	8/14/2009	5.25 J
DI-07-03	F20	0' - 1'	Cadmium	---	---	---	---	Silt & clay/gravel & organics	8/14/2009	0.422
		1' - 2'	Cadmium		---	---	---	Silt & clay	8/14/2009	0.535
		2' - 3'	Cadmium		---	---	---	Silt & clay	8/14/2009	7.38
		3' - 4'	Cadmium		---	---	---	Silty clay	8/14/2009	3.39
		4' - 5'	Cadmium		---	---	---	Silt & sand/clay & gravel	8/14/2009	5.06
		5' - 6'	Cadmium		---	---	---	Silt & clay	8/14/2009	73
		6' - 7'	Cadmium		---	---	---	Silty clay/sand	8/14/2009	<0.267
		7' -8'	Cadmium		---	---	---	Silt & sand	8/14/2009	<0.261
		8' - 9'	Cadmium		---	---	---	Silty clay/sand	8/14/2009	0.277 J
		9' -10'	Cadmium		---	---	---	Silty clay to sand	8/14/2009	1.49
		10' - 11'	Cadmium		---	---	---	Sand/clay to silty clay	8/14/2009	<0.243
DI-08-01	F21	0' - 1'	Cadmium	376.77	367.59	375.77	Above	Clayey silt, sand	4/26/2011	0.25
		1' - 2'	Cadmium		367.59	374.77	Above	Sand, silty clay	4/26/2011	0.24
		2' - 3'	Cadmium		367.59	373.77	Above	Silty clay	4/26/2011	0.38
		3' - 4'	Cadmium		367.59	372.77	Above	Silty clay	4/26/2011	0.10 J
		4' - 5'	Cadmium		367.59	371.77	Above	Clayey silt, silty clay	4/26/2011	5.6
		5' - 6'	Cadmium		367.59	370.77	Above	Silty clay, clayey silt	4/26/2011	1.0
DI-09-01	F21	0 - 1'	Cadmium	---	---	---	---	Sand & Silt, trace organics & gravel	9/21/2009	0.601
		1 - 2'	Cadmium		---	---	---	Sand & silt, trace organics & gravel	9/21/2009	0.270
		2 - 3'	Cadmium		---	---	---	Sand & silt, trace organics & gravel	9/21/2009	5.74
		3 - 4'	Cadmium		---	---	---	Silt & sand, trace gravel	9/21/2009	0.246
		4 - 5'	Cadmium		---	---	---	Sand & silt	9/21/2009	0.254
		5 - 6'	Cadmium		---	---	---	Silt & sand, trace gravel	9/21/2009	4.21
		6 - 7'	Cadmium		---	---	---	Silt	9/21/2009	9.12
DI-09-02	F21	0 - 1'	Cadmium	---	---	---	---	Sand & silt, organics	9/21/2009	3.45
		1 - 2'	Cadmium		---	---	---	Sand & silt, organics	9/21/2009	10.7
		2 - 3'	Cadmium		---	---	---	Sand & silt, organics & trace clay	9/21/2009	0.982
		3 - 4'	Cadmium		---	---	---	Silt & sand, trace organics	9/21/2009	0.77
		4 - 5'	Cadmium		---	---	---	Silt & sand, trace organics	9/21/2009	9.40
		5 - 6'	Cadmium		---	---	---	Silty clay & fine sand	9/21/2009	5.76
		6 - 7'	Cadmium		---	---	---	Fine sand & silt	9/21/2009	3.55

Table 4B
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West Branch of Bloody Brook
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Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
DI-09-03	G21	0' - 1'	Cadmium	375.67	367.69	374.67	Above	Silt, silty sand, trace gravel	4/25/2011	0.98
		1' - 2'	Cadmium		367.69	373.67	Above	Silty sand, silt, clay, trace gravel	4/25/2011	6.6
DI-09-04	G21	0' - 1'	Cadmium	376.02	367.29	375.02	Above	Silty clay, clay	4/25/2011	0.72
		1' - 2'	Cadmium		367.29	374.02	Above	Silty clay	4/25/2011	0.72
DI-10-01	G22	0' - 1'	Cadmium	373.62	366.48	372.62	Above	Silty clay, clayey silt	4/25/2011	5.5 B
		1' - 2'	Cadmium		366.48	371.62	Above	Silty clay, clay	4/25/2011	2.4 B
DI-11-01	F22	0' - 1'	Cadmium	---	---	---	---	Silt & sand/ organics & gravel	8/14/2009	7.21
		1' - 2'	Cadmium		---	---	---	Silt with sand/organics & clay	8/14/2009	6.38
		2' - 3'	Cadmium		---	---	---	Silt with sand/clay & gravel	8/14/2009	3.76
		3' - 4'	Cadmium		---	---	---	Silt with sand/clay & gravel	8/14/2009	49
DI-11-02	F22	0' - 1'	Cadmium	---	---	---	---	Silt with gravel/organics	8/14/2009	0.431 [0.276]
		1' - 2'	Cadmium		---	---	---	Silt with clay/gravel & organics	8/14/2009	0.062 J
		2' - 3'	Cadmium		---	---	---	Silt with gravel	8/14/2009	0.266
		3' - 4'	Cadmium		---	---	---	Silt	8/14/2009	0.240
		4' - 5'	Cadmium		---	---	---	Silt with gravel	8/14/2009	0.213 J
		5' - 6'	Cadmium		---	---	---	Silt with gravel	8/14/2009	0.074 J
DI-11-03	F22	0' - 1'	Cadmium	---	---	---	---	Silt & clay/organics & gravel	8/14/2009	<0.261
		1' - 2'	Cadmium		---	---	---	Silt & clay/organics & gravel	8/14/2009	0.523
		2' - 3'	Cadmium		---	---	---	Silt with gravel/organics	8/14/2009	0.154 J
		3' - 4'	Cadmium		---	---	---	Silt with gravel/organics	8/14/2009	0.327
		4' - 5'	Cadmium		---	---	---	Silt with gravel/organics	8/14/2009	<0.253
		5' - 6'	Cadmium		---	---	---	Silt with gravel/organics, some sand	8/14/2009	0.061 J
		6' - 7'	Cadmium		---	---	---	Silt with gravel/organics, some sand	8/14/2009	<0.243
		7' -8'	Cadmium		---	---	---	Silt with gravel/organics, some sand	8/14/2009	<0.250
		8' - 9'	Cadmium		---	---	---	Silt/clay	8/14/2009	<0.265
		9' -10'	Cadmium		---	---	---	Silty clay/sand	8/14/2009	<0.235
		10' - 11'	Cadmium		---	---	---	Silty clay/sand	8/14/2009	<0.267
DI-13-01	F27	0' - 1'	Cadmium	371.26	364.09	370.26	Above	Fine sand, some gravel, organics	8/23/2011	1.4
		1' - 2'	Cadmium		364.09	369.26	Above	Fine sand, some gravel, organics	8/23/2011	2.7
		2' - 3'	Cadmium		364.09	368.26	Above	Fine sand, little silt, trace gravel	8/23/2011	0.30
		3' - 4'	Cadmium		364.09	367.26	Above	Silty fine sand - silt increasing with depth	8/23/2011	0.35
		4' - 5'	Cadmium		364.09	366.26	Above	Sandy silt to 4'-6" then silty clay	8/23/2011	0.19 J [0.14 J]
		5' - 6'	Cadmium		364.09	365.26	Above	Clay, trace silt	8/23/2011	0.22 J
		6' - 7'	Cadmium		364.09	364.26	At	Clay, trace silt	8/23/2011	0.16 J
DI-13-02	F27	0' - 1'	Cadmium	371.67	364.09	370.67	Above	Fine sand, little gravel, trace silt (organics)	8/23/2011	4.6
		1' - 2'	Cadmium		364.09	369.67	Above	Fine sand, some gravel, little silt (organics)	8/23/2011	2.3
		2' - 3'	Cadmium		364.09	368.67	Above	Fine sand, little silt, trace gravel	8/23/2011	0.38
		3' - 4'	Cadmium		364.09	367.67	Above	Silty sand, trace clay (mottling), trace gravel	8/23/2011	0.30
DI-13-03	F27	0' - 1'	Cadmium	372.25	364.09	371.25	Above	Fine sand, some gravel, organics	8/23/2011	0.91
		1' - 2'	Cadmium		364.09	370.25	Above	Fine sand, some gravel	8/23/2011	0.072 J
		2' - 3'	Cadmium		364.09	369.25	Above	Fine sand, some gravel, organics	8/23/2011	0.25
		3' - 4'	Cadmium		364.09	368.25	Above	Fine sand, some gravel, organics	8/23/2011	0.11 J
		4' - 5'	Cadmium		364.09	367.25	Above	Clayey silt, increasing clay with depth	8/23/2011	5.8
		5' - 6'	Cadmium		364.09	366.25	Above	Silty clay to 5'-8" then silt	8/23/2011	1.1
		6' - 7'	Cadmium		364.09	365.25	Above	Clayey silt	8/23/2011	<0.22
DI-14-01	E27	0' - 1'	Cadmium	373.33	364.23	372.33	Above	Sand, some gravel, trace silt	8/23/2011	0.50
		1' - 2'	Cadmium		364.23	371.33	Above	Sand, some gravel, some silt	8/23/2011	0.14 J [0.40]
		2' - 3'	Cadmium		364.23	370.33	Above	Sand, some gravel, some silt, trace clay	8/23/2011	0.15 J
		3' - 4'	Cadmium		364.23	369.33	Above	Sand, some gravel, trace silt	8/23/2011	0.045 J
		4' - 5'	Cadmium		364.23	368.33	Above	Sand, some gravel, trace silt to 4'-6" then silt, trace clay	8/23/2011	5.3
		5' - 6'	Cadmium		364.23	367.33	Above	Silt with organics, trace clay	8/23/2011	78.1
		6' - 7'	Cadmium		364.23	366.33	Above	Silt with less organics, trace clay	8/23/2011	0.42
DI-14-02	E27	4' - 5'	Cadmium	373.82	364.24	368.82	Above	Sand, some gravel, trace silt	8/23/2011	0.058 J
		5' - 6'	Cadmium		364.24	367.82	Above	Sand, some gravel, trace silt to 5'-6" then silt, organics, trace clay	8/23/2011	4.9 J
		6' - 7'	Cadmium		364.24	366.82	Above	Silt, organics, trace clay	8/23/2011	4.6 J
		7' - 8'	Cadmium		364.24	365.82	Above	Clayey silt, trace fine sand	8/23/2011	0.52 J
DI-15-01	C30	0' - 1'	Cadmium	372.6	364.55	371.6	Above	Silty sand, little gravel, trace clay	8/22/2011	0.62
		1' - 2'	Cadmium		364.55	370.6	Above	Silty sand, little gravel, trace clay	8/22/2011	15.2
		2' - 3'	Cadmium		364.55	369.6	Above	Silty sand, little gravel, trace clay	8/22/2011	18
		3' - 4'	Cadmium		364.55	368.6	Above	Silty sand, little gravel, trace clay	8/22/2011	4.9
		4' - 5'	Cadmium		364.55	367.6	Above	Silt, trace clay	8/22/2011	0.27
		5' - 6'	Cadmium		364.55	366.6	Above	Silt, little clay	8/22/2011	0.21 J
		6' - 7'	Cadmium		364.55	365.6	Above	Silt, little clay	8/22/2011	0.19 J
DI-15-02	C30	0' - 1'	Cadmium	372.62	364.55	371.62	Above	Silty sand & gravel, trace clay	8/22/2011	2.5
		1' - 2'	Cadmium		364.55	370.62	Above	Silty sand & gravel, trace clay	8/22/2011	3.7
		2' - 3'	Cadmium		364.55	369.62	Above	Sandy silt with little gravel, trace clay	8/22/2011	2.3
		3' - 4'	Cadmium		364.55	368.62	Above	Sandy silt with little gravel, trace clay	8/22/2011	2.9
		4' - 5'	Cadmium		364.55	367.62	Above	Silt, little clay (green & red mottling)	8/22/2011	1.5
		5' - 6'	Cadmium		364.55	366.62	Above	Silt, little clay	8/22/2011	0.26 [0.20 J]
		6' - 7'	Cadmium		364.55	365.62	Above	Silt, little clay	8/22/2011	0.14 J

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Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
DI-32A-01	F20	0 - 1'	Cadmium	---	---	---	---	Silt, organics and gravel	9/21/2009	0.276 [0.215 J]
		1 - 2'	Cadmium		---	---	---	Sand & silt, gravel	9/21/2009	1.72
		2 - 3'	Cadmium		---	---	---	Sand & silt, gravel	9/21/2009	4.71
		3 - 4'	Cadmium		---	---	---	Sand & silt, gravel	9/21/2009	0.591
		4 - 5'	Cadmium		---	---	---	Sand & silt, gravel	9/21/2009	78.6
		5 - 6'	Cadmium		---	---	---	Sand & silt, gravel	9/21/2009	6.53
DI-32C-01	F21	0 - 1'	Cadmium	---	---	---	---	Sand & silt, organics	9/21/2009	0.444
		1 - 2'	Cadmium		---	---	---	Sand & silt, gravel	9/21/2009	1.19
		2 - 3'	Cadmium		---	---	---	Sand & silt, gravel	9/21/2009	0.238 [0.180 J]
		9 - 10'	Cadmium		---	---	---	Silty clay	9/21/2009	<0.255
		10 - 11'	Cadmium		---	---	---	Silty clay	9/21/2009	<0.235
DI-32C-02	F21	0 - 1'	Cadmium	---	---	---	---	Sand & silt, organics	9/21/2009	0.460
		1 - 2'	Cadmium		---	---	---	Sand & silt, organics	9/21/2009	1.32
		2 - 3'	Cadmium		---	---	---	Silt & sand, trace clay	9/21/2009	0.164 J
DI-33-01	G23	0' - 1'	Cadmium	---	---	--	---	Gravel/silt and sand	8/11/2009	2.26
		1' - 2'	Cadmium		---	--	---	Silty clay with gravel	8/11/2009	2.48
		2' - 3'	Cadmium		---	--	---	Silty clay with gravel	8/11/2009	2.05 [2.74]
		3' - 4'	Cadmium		---	--	---	Silty clay with gravel/organics	8/11/2009	3.95
		4' - 5'	Cadmium		---	--	---	Silty clay with gravel/organics	8/11/2009	2.73
DI-34-01	G24	0' - 1'	Cadmium	371.98	365.46	370.98	Above	Fine sandy silt, trace clay & organics	8/24/2011	22.0
		1' - 2'	Cadmium		365.46	369.98	Above	Sandy silt, trace clay	8/24/2011	101
		2' - 3'	Cadmium		365.46	368.98	Above	Sandy silt, trace clay	8/24/2011	5.0
		3' - 4'	Cadmium		365.46	367.98	Above	Silt	8/24/2011	0.51
DI-34-02	G24	0' - 1'	Cadmium	372.31	365.46	371.31	Above	Silt, some fine sand, little clay	8/24/2011	48.2 J
		1' - 2'	Cadmium		365.46	370.31	Above	Silt, little fine sand, little clay	8/24/2011	8.8 J
		2' - 3'	Cadmium		365.46	369.31	Above	Silt, little to trace clay	8/24/2011	23.2 J
		3' - 4'	Cadmium		365.46	368.31	Above	Silt, little fine sand, little clay	8/24/2011	15.6 J
DI-45-01	F19	0' - 1'	Cadmium	375.04	369.27	374.04	Above	Clay, silty clay	4/25/2011	3.6
		1' - 2'	Cadmium		369.27	373.04	Above	Clay, silty clay, fine sand	4/25/2011	0.33
		2' - 3'	Cadmium		369.27	372.04	Above	Clay, silty clay, silt, trace fine sand	4/25/2011	0.62
		3' - 4'	Cadmium		369.27	371.04	Above	Clay, silty clay, organics	4/25/2011	530
		4' - 5'	Cadmium		369.27	370.04	Above	Clay, silty clay, occasional roots	4/25/2011	4.5
		5' - 6'	Cadmium		369.27	369.04	At	Clay, clayey silt, silt, sandy silt	4/25/2011	2.8
		6' - 7'	Cadmium		369.27	368.04	Below	Clayey silt, clay, sandy silt	4/25/2011	9.5
		7' - 8'	Cadmium		369.27	367.04	Below	Clay	4/25/2011	0.58
DI-45-02	F19	0' - 1'	Cadmium	375.66	369.27	374.66	Above	Clay	4/25/2011	4.1
		1' - 2'	Cadmium		369.27	373.66	Above	Clay, silty clay	4/25/2011	1.9
		2' - 3'	Cadmium		369.27	372.66	Above	Clay, silty clay	4/25/2011	2.5
		3' - 4'	Cadmium		369.27	371.66	Above	Clay, silty clay	4/25/2011	2.6
DI-45-03	F19	0' - 1'	Cadmium	376.01	369.27	375.01	Above	Clay, silty clay	4/25/2011	0.50
		1' - 2'	Cadmium		369.27	374.01	Above	Clay, silty clay	4/25/2011	0.21 J
DI-46-01	F21	0' - 1'	Cadmium	377.47	367.00	376.47	Above	Clayey silt, silty clay, trace gravel	4/27/2011	3.6
		1' - 2'	Cadmium		367.00	375.47	Above	Silty clay, clayey silt, gravel	4/27/2011	0.83
DI-46-02	F21	0' - 1'	Cadmium	377.39	367.00	376.39	Above	Clayey silt, silty clay, fine to coarse gravel	4/27/2011	0.79
		1' - 2'	Cadmium		367.00	375.39	Above	Fine to coarse gravel, silty clay	4/27/2011	0.70
DI-47-01	F21	0' - 1'	Cadmium	377.02	366.91	376.02	Above	Clayey silt with little fine sand	4/26/2011	2.2
		1' - 2'	Cadmium		366.91	375.02	Above	Clayey silt with little fine sand	4/26/2011	2.6
DI-47-03	F21	0' - 1'	Cadmium	377.58	366.91	376.58	Above	Clayey silt with little fine sand, trace gravel	4/26/2011	0.60
		1' - 2'	Cadmium		366.91	375.58	Above	Clayey silt with little fine sand, trace gravel, less clay	4/26/2011	1.4
DI-48-01	F21	0' - 1'	Cadmium	373.27	366.79	372.27	Above	Silty clay, roots	4/25/2011	52.6 B
		1' - 2'	Cadmium		366.79	371.27	Above	Silty clay with clay	4/25/2011	9.6 B
		2' - 3'	Cadmium		366.79	370.27	Above	Silty clay with clay	4/25/2011	6.5 B
		3' - 4'	Cadmium		366.79	369.27	Above	Clay with silty clay	4/25/2011	9.8 B
DI-48-02	G21	0' - 1'	Cadmium	373.67	366.79	372.67	Above	Clayey silt, sandy silt, silty sand	4/25/2011	0.31
		1' - 2'	Cadmium		366.79	371.67	Above	Clayey silt	4/25/2011	0.095 J
DI-49-01	G23	0' - 1'	Cadmium	372.96	366.19	371.96	Above	Clayey silt, clay, sandy silt	4/25/2011	4.3 B
		1' - 2'	Cadmium		366.19	370.96	Above	Silty clay, clay	4/25/2011	1.7 B
		2' - 3'	Cadmium		366.19	369.96	Above	Clay, silty clay, little gravel	4/25/2011	3.3 BJ [0.84 BJ]
		3' - 4'	Cadmium		366.19	368.96	Above	Clay, silty clay	4/25/2011	1.7 B
DI-49-02	G23	0' - 1'	Cadmium	373.23	366.18	372.23	Above	Silty clay, clay, roots	4/25/2011	6.4
		1' - 2'	Cadmium		366.18	371.23	Above	Silty clay, clay, coarse gravel	4/25/2011	6.8
DI-49-03	G23	0' - 1'	Cadmium	373.62	366.18	372.62	Above	Silty clay, clay, trace gravel	4/25/2011	0.78
		1' - 2'	Cadmium		366.18	371.62	Above	Silty clay, clay, cobble	4/25/2011	10.7
DI-55-01	G23	0' - 1'	Cadmium	373.13	366.19	372.13	Above	Silty clay, clay	4/25/2011	2.6 B
		1' - 2'	Cadmium		366.19	371.13	Above	Clay	4/25/2011	1.5 B
		2' - 3'	Cadmium		366.19	370.13	Above	Clay, silty clay, clayey silt	4/25/2011	30.5 B
		3' - 4'	Cadmium		366.19	369.13	Above	Clayey silt, silt	4/25/2011	12.5 B
DI-55-02	F23	0' - 1'	Cadmium	373.56	366.21	372.56	Above	Silty clay, clay, roots	4/25/2011	6.9
		1' - 2'	Cadmium		366.21	371.56	Above	Clay	4/25/2011	1.5
		2' - 3'	Cadmium		366.21	370.56	Above	Clay	4/25/2011	0.77
		3' - 4'	Cadmium		366.21	369.56	Above	Clay	4/25/2011	12.4

Table 4B
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
DI-55-03	F23	0' - 1'	Cadmium	374.18	366.22	373.18	Above	Clay, silty clay, roots	4/25/2011	0.52
		1' - 2'	Cadmium		366.22	372.18	Above	Silty clay, silt, trace gravel	4/25/2011	1.0
		2' - 3'	Cadmium		366.22	371.18	Above	Silty clay, little sand	6/4/2013	1.9
		3' - 4'	Cadmium		366.22	370.18	Above	Silty clay, little sand	6/4/2013	0.87
		4' - 5'	Cadmium		366.22	369.18	Above	Clayey silt, some sand	6/4/2013	35.9
DI-55-04	F23	4' - 5'	Cadmium	374.93	365.88	369.93	Above	Silty Clay, some sand	6/4/2013	20.3
DI-57-01	G25	0' - 1'	Cadmium	371.75	365.18	370.75	Above	Gravelly silt, little sand, trace clay	8/24/2011	15.6
		1' - 2'	Cadmium		365.18	372.18	Above	Clayey silt	8/24/2011	0.30 J [1.4 J]
		2' - 3'	Cadmium		365.18	372.18	Above	Clayey silt, clay increases with depth	8/24/2011	1.8
		3' - 4'	Cadmium		365.18	372.18	Above	Gray clay	8/24/2011	2.8
DI-57-02	G25	0' - 1'	Cadmium	371.67	365.12	370.67	Above	Sandy silt, some gravel, trace clay & organics	8/24/2011	26.3 J
		1' - 2'	Cadmium		365.12	372.18	Above	Clayey silt, trace fine sand, trace organics	8/24/2011	24.1 J [41.0 J]
		2' - 3'	Cadmium		365.12	372.18	Above	Clayey silt, clay increases with depth	8/24/2011	38.4 J
		3' - 4'	Cadmium		365.12	372.18	Above	Clay, trace silt	8/24/2011	61.3 J
DI-58-01	F27	0' - 1'	Cadmium	372.98	364.31	371.98	Above	Fine sand	8/23/2011	1.8
		1' - 2'	Cadmium		364.31	372.18	Above	Fine sand, little silt	8/23/2011	10.1
DI-58-02	F27	0' - 1'	Cadmium	372	364.31	371	Above	Silty sand	8/23/2011	17.9
		1' - 2'	Cadmium		364.31	372.18	Above	Silty sand	8/23/2011	61.5
		2' - 3'	Cadmium		364.31	372.18	Above	Silty sand, little clay	8/23/2011	23.1
		3' - 4'	Cadmium		364.31	372.18	Above	Silty sand, some clay	8/23/2011	11.3
DI-58-03	F27	0' - 1'	Cadmium	372.06	364.00	371.06	Above	Clayey silt, some sand	6/4/2013	2.6 [2.1]
		1' - 2'	Cadmium		364.00	370.06	Above	Clay and silt, some sand	6/4/2013	10.8
		2' - 3'	Cadmium		364.00	369.06	Above	Silty clay, some sand	6/4/2013	0.25
		3' - 4'	Cadmium		364.00	368.06	Above	Silty clay, some sand	6/4/2013	16.3
		4' - 5'	Cadmium		364.00	367.06	Above	Clayey silt, some sand, organics	6/4/2013	1.6
		5' - 6'	Cadmium		364.00	366.06	Above	Silty clay, green mottling (organics)	6/4/2013	0.22 J
DI-58-04	F27	1' - 2'	Cadmium	372.32	364.00	370.32	Above	Clay and silt, little sand	6/4/2013	7.1
		3' - 4'	Cadmium		364.00	368.32	Above	Clayey silt, some sand, organics	6/4/2013	3.0
DI-58-05	F26	1' - 2'	Cadmium	372.14	364.00	364.32	Below	Silt and Clay, some sand, trace gravel	8/13/2013	2.1 B
DI-59-01	G25	0' - 1'	Cadmium	372.12	365.22	371.12	Above	Silt, little sand & clay	8/24/2011	31.7
		1' - 2'	Cadmium		365.22	372.18	Above	Silt, little sand & clay	8/24/2011	3.4
		2' - 3'	Cadmium		365.22	372.18	Above	Silt, little sand & clay	8/24/2011	3.1
		3' - 4'	Cadmium		365.22	372.18	Above	Silt, little clay, trace sand, silt increases with depth	8/24/2011	28.6
DI-59-02	G25	0' - 1'	Cadmium	372.14	365.16	371.14	Above	Silty sand, trace clay	8/24/2011	83.7 J
		1' - 2'	Cadmium		365.16	372.18	Above	Silty sand, little clay	8/24/2011	10.4 J
		2' - 3'	Cadmium		365.16	372.18	Above	Silty sand, little clay	8/24/2011	14.3 J
		3' - 4'	Cadmium		365.16	372.18	Above	Fine sand, silt, trace clay	8/24/2011	11.0 J
DI-63-01	F19	0' - 1'	Cadmium	375.29	368.87	374.29	Above	Clay and silt, some sand and gravel	6/4/2013	0.54
DI-64-01	F21	0' - 1'	Cadmium	376.32	367.11	375.32	Above	Clay and sandy silt, some gravel	6/4/2013	3.5
		1' - 2'	Cadmium		367.11	374.32	Above	Sand, sandy silt and clay	6/4/2013	7.2
DI-64-02	F21	0' - 1'	Cadmium	377.12	367.06	376.12	Above	Silt and sand, trace gravel, organics	6/4/2013	4.5
		1' - 2'	Cadmium		367.06	375.12	Above	Clay and silt, little sand	6/4/2013	0.94
DI-64-03	F21	0' - 1'	Cadmium	376.86	367.07	375.86	Above	Sand and Silt, trace gravel	8/13/2013	12.7 B
		1' - 2'	Cadmium		367.07	374.86	Above	Sand and Silt, trace gravel	8/13/2013	14.3 B
		2' - 3'	Cadmium		367.07	373.86	Above	Sand and Silt, trace gravel	8/13/2013	10.8 B
		3' - 4'	Cadmium		367.07	372.86	Above	Clayey Silt and Sand	8/13/2013	5.4 B
DI-64-04	F21	0' - 1'	Cadmium	377.39	367.03	376.39	Above	Sand, some silt, trace gravel	8/13/2013	0.20 U
DI-67-01	E28	0' - 1'	Cadmium	370.59	364.35	369.59	Above	Clayey silt, some sand and gravel, organics	6/3/2013	18.5
		1' - 2'	Cadmium		364.35	368.59	Above	Clayey silt, some sand and gravel, organics	6/3/2013	1.9
		2' - 3'	Cadmium		364.35	367.59	Above	Clayey silt, some sand and gravel, organics	6/3/2013	9.9
		3' - 4'	Cadmium		364.35	366.59	Above	Clay and silt, little sand	6/3/2013	69.5
DI-67-02	E28	0' - 1'	Cadmium	370.93	364.35	369.93	Above	Clayey silt, some sand and gravel	6/3/2013	14.2
		1' - 2'	Cadmium		364.35	368.93	Above	Clayey silt, some sand and gravel	6/3/2013	1.1
		2' - 3'	Cadmium		364.35	367.93	Above	Clayey silt, some sand and gravel	6/3/2013	40.7
		3' - 4'	Cadmium		364.35	366.93	Above	Clayey silt, some sand and gravel	6/3/2013	1.8
DI-68-01	E28	0' - 1'	Cadmium	371.31	364.36	370.31	Above	Clayey silt, some sand	6/3/2013	4.0
		1' - 2'	Cadmium		364.36	369.31	Above	Clayey silt, some sand	6/3/2013	0.40
		2' - 3'	Cadmium		364.36	368.31	Above	Clayey silt, some sand, increasing clay content	6/3/2013	0.58
		3' - 4'	Cadmium		364.36	367.31	Above	Silty clay, some sand	6/3/2013	20.3
DI-68-02	E28	3' - 4'	Cadmium	371.2	364.36	367.2	Above	Silty clay, some sand, organics	6/3/2013	14.9
DI-69-01	D28	0' - 1'	Cadmium	370.33	364.38	369.33	Above	Clayey silt and sand, rock fragments, organics	6/3/2013	17.7
		1' - 2'	Cadmium		364.38	368.33	Above	Clayey silt and sand, increasing clay	6/3/2013	0.89
		2' - 3'	Cadmium		364.38	367.33	Above	Clay and silt, some sand, trace gravel	6/3/2013	14.6
		3' - 4'	Cadmium		364.38	366.33	Above	Clay and silt, some sand, trace gravel	6/3/2013	157
DI-69-02	D28	0' - 1'	Cadmium	370.17	364.38	369.17	Above	Clayey silt, some sand, trace gravel	6/3/2013	13.9
		1' - 2'	Cadmium		364.38	368.17	Above	Clayey silt, little sand	6/3/2013	23.5
		2' - 3'	Cadmium		364.38	367.17	Above	Clay and silt, little sand, trace gravel	6/3/2013	3.1
		3' - 4'	Cadmium		364.38	366.17	Above	Clayey silt, some sand	6/3/2013	17.4
DI-70-01	D28	0' - 1'	Cadmium	372.59	364.38	371.59	Above	Clayey silt, little sand, organics	6/3/2013	6.1
		1' - 2'	Cadmium		364.38	370.59	Above	Clay and silt, little sand, trace gravel	6/3/2013	0.74
DI-70-02	D28	0' - 1'	Cadmium	373.89	364.38	372.89	Above	Clayey silt, little sand, organics	6/3/2013	2.7

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Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
DI-71-01	D29	0' - 1'	Cadmium	369.83	364.39	368.83	Above	Clayey silt, little sand, trace gravel, organics	6/3/2013	21.6
		1' - 2'	Cadmium		364.39	367.83	Above	Clay and silt, some sand, trace gravel	6/3/2013	6.9
		2' - 3'	Cadmium		364.39	366.83	Above	Silty clay, some sand, trace gravel	6/3/2013	59.2
		3' - 4'	Cadmium		364.39	365.83	Above	Silty clay, some sand, trace gravel, increasing clay	6/3/2013	0.35
DI-71-02	D29	0' - 1'	Cadmium	369.47	364.39	368.47	Above	Clayey silt, some sand, trace gravel, organics	6/3/2013	24.5
		1' - 2'	Cadmium		364.39	367.47	Above	Clayey silt, some sand, trace gravel	6/3/2013	52.9
		2' - 3'	Cadmium		364.39	366.47	Above	Sandy silt and clay	6/3/2013	3.3
DI-72-01	F19	0' - 1'	Cadmium	375.22	368.84	374.22	Above	Silty clay, little to some sand, trace gravel	6/5/2013	13.8 J [3.8 J]
		1' - 2'	Cadmium		368.84	373.22	Above	Clay and silt, some sand, trace gravel	6/5/2013	0.87 J
		2' - 3'	Cadmium		368.84	372.22	Above	Silty clay, some sand, trace gravel, oxidation zones	6/5/2013	2.7 J [6.1 J]
		3' - 4'	Cadmium		368.84	371.22	Above	Clayey silt and sand	6/5/2013	7.7 J
DI-72-02	F19	0' - 1'	Cadmium	375.72	368.84	374.72	Above	Silty clay, little sand, trace gravel	6/5/2013	0.47
DI-73-01	F19	0' - 1'	Cadmium	375.7	368.69	374.7	Above	Silty clay, some sand, trace gravel, increasing clay	6/5/2013	3.1
DI-74-01	F19	0' - 1'	Cadmium	376.29	368.40	375.29	Above	Silty clay, little sand, trace gravel	6/5/2013	12.6 J [4.4 J]
		1' - 2'	Cadmium		368.40	374.29	Above	Clay and silt, some sand, trace gravel	6/5/2013	0.88 J
		2' - 3'	Cadmium		368.40	373.29	Above	Clay and silt, some sand	6/5/2013	0.24 J [0.24 J]
		3' - 4'	Cadmium		368.40	372.29	Above	Clay and silt, some sand, increasing clay	6/5/2013	4.8 J
DI-74-02	F19	0' - 1'	Cadmium	376.52	368.43	375.52	Above	Silty clay, little sand, trace gravel	6/5/2013	7.2
DI-75-01	F21	0' - 1'	Cadmium	375.26	367.17	374.26	Above	Silt and sand, organics, roots	6/4/2013	3.8
		1' - 2'	Cadmium		367.17	373.26	Above	Silt and sand	6/4/2013	0.084 J
DI-75-02	F21	0' - 1'	Cadmium	374.84	367.09	373.84	Above	Silt, some sand	6/4/2013	7.0
DI-76-01	G23	0' - 1'	Cadmium	373.8	366.14	372.8	Above	Silty clay, some sand, trace gravel	6/4/2013	0.61
		1' - 2'	Cadmium		366.14	371.8	Above	Silty clay, some sand, trace gravel	6/4/2013	8.3 [9.6]
DI-76-02	G23	1' - 2'	Cadmium	374.13	366.12	372.13	Above	Silty clay, some sand, trace gravel	6/4/2013	1.6
DI-77-01	G23	0' - 1'	Cadmium	373.84	366.18	372.84	Above	Silty clay, some sand, trace gravel	6/4/2013	2.9
		1' - 2'	Cadmium		366.18	371.84	Above	Silty clay, some sand, trace gravel	6/4/2013	1.2
DI-79-01	F23	0' - 1'	Cadmium	373.48	366.10	372.48	Above	Clayey silt, some sand, trace gravel, organics	6/4/2013	1.1
		1' - 2'	Cadmium		366.10	371.48	Above	Clayey silt, some sand, trace gravel, organics	6/4/2013	0.23 J
		2' - 3'	Cadmium		366.10	370.48	Above	Clayey and silt, little sand, trace gravel	6/4/2013	1.8
		3' - 4'	Cadmium		366.10	369.48	Above	Silty clay, little sand, trace gravel	6/4/2013	1.2
		4' - 5'	Cadmium		366.10	368.48	Above	Silt, some sand, and clay	6/4/2013	29.1
DI-79-02	F23	4' - 5'	Cadmium	373.48	366.12	368.48	Above	Clayey silt, some sand, trace gravel	6/4/2013	13.9
DI-SB-05-05	F19	0' - 1'	Cadmium	377.51	368.32	376.51	Above	Silty sand, trace clay	4/25/2011	0.94
		1' - 2'	Cadmium		368.32	375.51	Above	Sandy silt	4/25/2011	0.24 [0.23]
		2' - 3'	Cadmium		368.32	374.51	Above	Silty sand	4/25/2011	<0.26 U
		3' - 4'	Cadmium		368.32	373.51	Above	Fine sand with some gravel, trace silt	4/25/2011	0.52 B
		4' - 5'	Cadmium		368.32	372.51	Above	Grades to Sandy silt with little gravel	4/25/2011	0.33 B
		5' - 6'	Cadmium		368.32	371.51	Above	Sandy silt, trace gravel, trace clay	4/25/2011	0.54 B
		6' - 7'	Cadmium		368.32	370.51	Above	Sandy silt, trace gravel, trace clay	4/25/2011	0.88 B
		7' - 8'	Cadmium		368.32	369.51	Above	Clay, trace gravel at 7'	4/25/2011	1.0 B
DI-SB-07-01	B30	0' - 1'	Cadmium	372.4	364.42	371.4	Above	Course sand, some silt, little gravel, trace clay	8/22/2011	0.93
		1' - 2'	Cadmium		364.42	370.4	Above	Coarse sand, some silt, little gravel & clay	8/22/2011	1.4
		2' - 3'	Cadmium		364.42	369.4	Above	Fine sandy silt, little to trace clay	8/22/2011	0.061 J
		3' - 4'	Cadmium		364.42	368.4	Above	Clayey silt, trace fine sand	8/22/2011	0.12 J
		4' - 5'	Cadmium		364.42	367.4	Above	Silty Clay	8/22/2011	0.060 J
		5' - 6'	Cadmium		364.42	366.4	Above	Silty Clay	8/22/2011	<0.23
		6' - 7'	Cadmium		364.42	365.4	Above	Silty Clay, silt lense 6'-2", clay at 6'-8"	8/22/2011	<0.22
DI-SB-07-02	B30	0' - 1'	Cadmium	372.45	364.42	371.45	Above	Silty Sand, some gravel	8/22/2011	0.32
		1' - 2'	Cadmium		364.42	370.45	Above	Silty fine sand, trace clay & gravel	8/22/2011	0.28
		2' - 3'	Cadmium		364.42	369.45	Above	Silty fine sand, trace clay & gravel	8/22/2011	0.10 J
		3' - 4'	Cadmium		364.42	368.45	Above	Sand, silt, little clay	8/22/2011	0.13 J [0.21 J]
		4' - 5'	Cadmium		364.42	367.45	Above	Clayey silt - increasing clay with depth	8/22/2011	0.064 J
		5' - 6'	Cadmium		364.42	366.45	Above	Silty clay - increasing clay with depth	8/22/2011	0.035 J
		6' - 7'	Cadmium		364.42	365.45	Above	Clay, little to trace silt	8/22/2011	0.059 J
EPSOIL-2	G23	0' - 1'	Cadmium	---	---	---	---	---	10/2001	29.6
EPSOIL-3	B30	0' - 1'	Cadmium	---	---	---	---	---	10/2001	75.6
SA-SB-05-02	F19	0" - 2"	Cadmium	376.93	368.32	376.76	Above	Topsoil	10/22/2003	1.4
		0' - 1'	Cadmium		368.32	375.93	Above	Silty Sand	10/22/2003	1.4
		1' - 2'	Cadmium		368.32	374.93	Above	Silty Sand	10/22/2003	<0.58
		2' - 3'	Cadmium		368.32	373.93	Above	Silty Sand	10/22/2003	1.4
		3' - 4'	Cadmium		368.32	372.93	Above	Silty Sand	10/22/2003	<0.60
		4' - 5'	Cadmium		368.32	371.93	Above	Clayey Silt	10/22/2003	<0.60
		5' - 6'	Cadmium		368.32	370.93	Above	Clayey Silt	10/22/2003	12.5
		6' - 7'	Cadmium		368.32	369.93	Above	Sandy Silt	10/22/2003	<0.58
		7' - 8'	Cadmium		368.32	368.93	Above	Sandy Silt to Organic Clayey Silt	10/22/2003	<0.59
		8' - 9'	Cadmium		368.32	367.93	At	Organic Clayey Silt	10/22/2003	5.1
		9' - 10'	Cadmium		368.32	366.93	Below	Organic Clayey Silt	10/22/2003	5.9
		10' - 11'	Cadmium		368.32	365.93	Below	Organic Clayey Silt	10/22/2003	8.1

Table 4B
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SA-SB-05-03	F19	0" - 2"	Cadmium	376.62	368.31	376.45	Above	Topsoil	10/22/2003	1.51
		0' - 1'	Cadmium		368.31	375.62	Above	Silty Sand	10/22/2003	<0.607
		1' - 2'	Cadmium		368.31	374.62	Above	Silty Sand	10/22/2003	<0.588
		2' - 3'	Cadmium		368.31	373.62	Above	Silty Sand	10/22/2003	<0.581
		3' - 4'	Cadmium		368.31	372.62	Above	Silty Sand	10/22/2003	<0.579
		4' - 5'	Cadmium		368.31	371.62	Above	Clayey Silt	10/22/2003	<0.607
		5' - 6'	Cadmium		368.31	370.62	Above	Organic Clayey Silt	10/22/2003	2.5
		6' - 7'	Cadmium		368.31	369.62	Above	Organic Clayey Silt	10/22/2003	0.587
		7' - 8'	Cadmium		368.31	368.62	At	Organic Clayey Silt	10/22/2003	20.5
		8' - 9'	Cadmium		368.31	367.62	Below	Clayey Silt	10/22/2003	21.8
		9' - 10'	Cadmium		368.31	366.62	Below	Clayey Silt	10/22/2003	<0.661
SA-SB-05-04	F19	0" - 2"	Cadmium	375.98	368.27	375.81	Above	Topsoil	10/22/2003	4.3
		0' - 1'	Cadmium		368.27	374.98	Above	Silty Sand	10/22/2003	3.6
		1' - 2'	Cadmium		368.27	373.98	Above	Silty Sand	10/22/2003	27.9
		2' - 3'	Cadmium		368.27	372.98	Above	Silty Sand	10/22/2003	<0.57
		3' - 4'	Cadmium		368.27	371.98	Above	Organic clayey Silt	10/22/2003	11.8
		4' - 5'	Cadmium		368.27	370.98	Above	Organic Silty Clay	10/22/2003	7.5
		5' - 6'	Cadmium		368.27	369.98	Above	Organic Silty Clay	10/22/2003	2.4
		6' - 7'	Cadmium		368.27	368.98	Above	Organic Silty Clay	10/22/2003	12.0
		7' - 8'	Cadmium		368.27	367.98	At	Organic Clayey Silt	10/22/2003	11.3
		8' - 9'	Cadmium		368.27	366.98	Below	Organic Clayey Silt	10/22/2003	20.9
		9' - 10'	Cadmium		368.27	365.98	Below	Organic Sand/Silt	10/22/2003	<0.72
		10' - 11'	Cadmium		368.27	364.98	Below	Organic Sand/Silt	10/22/2003	<0.85
		11' - 12'	Cadmium		368.27	363.98	Below	Silty Sand	10/22/2003	<0.63
		12' - 13'	Cadmium		368.27	362.98	Below	Organic Silt/Sand	10/22/2003	<0.68
		13' - 14'	Cadmium		368.27	361.98	Below	Organic Silt/Sand	10/22/2003	<0.68
SA-SB-06-01	E28	0" - 2"	Cadmium	371.39	364.30	371.22	Above	Topsoil	10/24/2003	8.5
		0' - 1'	Cadmium		364.30	370.39	Above	Silty Sand	10/24/2003	6.5
		1' - 2'	Cadmium		364.30	369.39	Above	Silty Sand	10/24/2003	<0.54
		2' - 3'	Cadmium		364.30	368.39	Above	Silty Sand	10/24/2003	1.1
		3' - 4'	Cadmium		364.30	367.39	Above	Silty Sand	10/24/2003	41.7
		4' - 5'	Cadmium		364.30	366.39	Above	Silty Sand	10/24/2003	2.6
		5' - 6'	Cadmium		364.30	365.39	Above	Silty Sand	10/24/2003	3.4
		6' - 7'	Cadmium		364.30	364.39	At	Silty Sand to Organic Clayey Silt	10/24/2003	<0.60
		7' - 8'	Cadmium		364.30	363.39	Below	Organic Clayey Silt	10/24/2003	<0.63
		8' - 9'	Cadmium		364.30	362.39	Below	Silty Clay	10/24/2003	<0.65
SA-SB-06-02	E28	0" - 2"	Cadmium	372.31	364.30	372.14	Above	Topsoil	10/24/2003	2.49
		0' - 1'	Cadmium		364.30	371.31	Above	Silty Sand	10/24/2003	1.09 [1.77]
		1' - 2'	Cadmium		364.30	370.31	Above	Silty Sand	10/24/2003	<0.567
		2' - 3'	Cadmium		364.30	369.31	Above	Silty Sand	10/24/2003	<0.522
		3' - 4'	Cadmium		364.30	368.31	Above	Silty Sand	10/24/2003	0.703
		4' - 5'	Cadmium		364.30	367.31	Above	Silty Sand to Organic Clayey Silt	10/24/2003	30.3
		5' - 6'	Cadmium		364.30	366.31	Above	Organic Clayey Silt	10/24/2003	60.1
		6' - 7'	Cadmium		364.30	365.31	Above	Organic Clayey Silt to Silty Clay	10/24/2003	1.44
		7' - 8'	Cadmium		364.30	364.31	At	Organic Clayey Silt	10/24/2003	6.18
		8' - 9'	Cadmium		364.30	363.31	Below	Silty Clay	10/24/2003	7.35
SA-SB-06-03	E28	0" - 2"	Cadmium	372.74	364.30	372.57	Above	Topsoil	10/24/2003	1.22
		0' - 1'	Cadmium		364.30	371.74	Above	Silty Sand	10/24/2003	<0.611
		1' - 2'	Cadmium		364.30	370.74	Above	Organic Silt/Sand	10/24/2003	<0.566
		2' - 3'	Cadmium		364.30	369.74	Above	Silty Sand	10/24/2003	<0.579
		3' - 4'	Cadmium		364.30	368.74	Above	Silty Sand	10/24/2003	<0.585
		4' - 5'	Cadmium		364.30	367.74	Above	Silty Sand	10/24/2003	7.63
		5' - 6'	Cadmium		364.30	366.74	Above	Organic Clayey Silt	10/24/2003	64.4
		6' - 7'	Cadmium		364.30	365.74	Above	Organic Clayey Silt	10/24/2003	<0.668
		7' - 8'	Cadmium		364.30	364.74	At	Clayey Silt to Clay	10/24/2003	<0.625
		8' - 9'	Cadmium		364.30	363.74	Below	Clay	10/24/2003	<0.634
SA-SB-06-04	E28	0" - 2"	Cadmium	372.98	364.30	372.81	Above	Topsoil	10/24/2003	1.13
		0' - 1'	Cadmium		364.30	371.98	Above	Silty Sand	10/24/2003	<0.605
		1' - 2'	Cadmium		364.30	370.98	Above	Silty Sand	10/24/2003	<0.561
		2' - 3'	Cadmium		364.30	369.98	Above	Silty Sand	10/24/2003	<0.573
		3' - 4'	Cadmium		364.30	368.98	Above	Silty Sand	10/24/2003	<0.554
		4' - 5'	Cadmium		364.30	367.98	Above	Fill	10/24/2003	1.78
		5' - 6'	Cadmium		364.30	366.98	Above	Organic Clayey Silt	10/24/2003	88.1
		6' - 7'	Cadmium		364.30	365.98	Above	Organic Clayey Silt	10/24/2003	<0.693
		7' - 8'	Cadmium		364.30	364.98	Above	Clay to Silty Clay	10/24/2003	<0.678
		8' - 9'	Cadmium		364.30	363.98	At	Clay	10/24/2003	<0.636
SA-SB-07-01	B30	0" - 2"	Cadmium	372.1	364.35	371.93	Above	Topsoil	10/24/2003	4.6
SA-SB-07-02	B30	0" - 2"	Cadmium	371.71	364.35	371.54	Above	Topsoil	10/24/2003	1.0
SA-SB-07-03	B30	0" - 2"	Cadmium	371.04	364.35	370.87	Above	Topsoil	10/24/2003	0.845
SA-SB-07-04	B30	0" - 2"	Cadmium	370.1	364.35	369.93	Above	Topsoil	10/24/2003	0.839

Table 4B
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West Branch of Bloody Brook
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Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SA-SB-216-01	F19	0" - 2"	Cadmium	375.03	368.96	374.86	Above	Topsoil	10/22/2003	3.3
		0' - 1'	Cadmium		368.96	374.03	Above	Silty Sand	10/22/2003	3.9
		1' - 2'	Cadmium		368.96	373.03	Above	Silty Sand	10/22/2003	<0.59
		2' - 3'	Cadmium		368.96	372.03	Above	Silty Sand	10/22/2003	<0.56
		3' - 4'	Cadmium		368.96	371.03	Above	Clayey Silt	10/22/2003	0.65
		4' - 5'	Cadmium		368.96	370.03	Above	Clayey Silt	10/22/2003	24.9
		5' - 6'	Cadmium		368.96	369.03	At	Clayey Silt	10/22/2003	0.77
		6' - 7'	Cadmium		368.96	368.03	Below	Clayey Silt	10/22/2003	4.7
		7' - 8'	Cadmium		368.96	367.03	Below	Clayey Silt	10/22/2003	<0.65
		8' - 9'	Cadmium		368.96	366.03	Below	Clayey Silt	10/22/2003	20.6
		9' - 10'	Cadmium		368.96	365.03	Below	Organic Clayey Silt	10/22/2003	<0.654
SA-SB-216-02	E19	0" - 2"	Cadmium	376.08	368.88	375.91	Above	Topsoil	10/22/2003	1.26
		0' - 1'	Cadmium		368.88	375.08	Above	Silty Sand	10/22/2003	0.659
		1' - 2'	Cadmium		368.88	374.08	Above	Silty Sand	10/22/2003	<0.588
		2' - 3'	Cadmium		368.88	373.08	Above	Silty Sand	10/22/2003	<0.617
		3' - 4'	Cadmium		368.88	372.08	Above	Silty Sand	10/22/2003	<0.602
		4' - 5'	Cadmium		368.88	371.08	Above	Silty Sand	10/22/2003	5.38
		5' - 6'	Cadmium		368.88	370.08	Above	Organic Clayey Silt	10/22/2003	14.5
		6' - 7'	Cadmium		368.88	369.08	At	Organic Clayey Silt	10/22/2003	1.57 [0.823]
		7' - 8'	Cadmium		368.88	368.08	Below	Silty Clay	10/22/2003	<0.68
		8' - 9'	Cadmium		368.88	367.08	Below	Silty Clay	10/22/2003	0.903
		9' - 10'	Cadmium		368.88	366.08	Below	Organic Clayey Silt	10/22/2003	<0.756
		10' - 11'	Cadmium		368.88	365.08	Below	Organic Clayey Silt	10/22/2003	<0.719
		11' - 12'	Cadmium		368.88	364.08	Below	Silty Clay	10/22/2003	<0.62
		12' - 13'	Cadmium		368.88	363.08	Below	Silty Sand	10/22/2003	<0.616
		13' - 14'	Cadmium		368.88	362.08	Below	Silty Sand	10/22/2003	<0.60
SA-SB-216-03	E19	0" - 2"	Cadmium	376.12	368.90	375.95	Above	Topsoil	10/22/2003	<0.652
		0' - 1'	Cadmium		368.90	375.12	Above	Silty Sand	10/22/2003	<0.60
		1' - 2'	Cadmium		368.90	374.12	Above	Silty Sand	10/22/2003	<0.598
		2' - 3'	Cadmium		368.90	373.12	Above	Silty Sand	10/22/2003	<0.617
		3' - 4'	Cadmium		368.90	372.12	Above	Silty Clay	10/22/2003	<0.624
		4' - 5'	Cadmium		368.90	371.12	Above	Silty Clay	10/22/2003	1.54
		5' - 6'	Cadmium		368.90	370.12	Above	Sandy Silt	10/22/2003	<0.632
		6' - 7'	Cadmium		368.90	369.12	At	Sandy Silt	10/22/2003	<0.641
		7' - 8'	Cadmium		368.90	368.12	Below	Sandy Silt	10/22/2003	<0.713
		8' - 9'	Cadmium		368.90	367.12	Below	Sandy Silt	10/22/2003	<0.635
		9' - 10'	Cadmium		368.90	366.12	Below	Organic Silt/Sand	10/22/2003	<0.635
SA-SB-216-04	E19	0' - 1'	Cadmium	376.23	368.88	375.23	Above	Silty Sand	10/22/2003	<0.59
		1' - 2'	Cadmium		368.88	374.23	Above	Silty Sand	10/22/2003	<0.57
SB-01	F18	0" - 2"	Cadmium	---	---	---	---	---	11/2001	10.5
		0' - 1'	Cadmium		---	---	---	---	11/2001	1.64
SB-02	F19	0' - 1'	Cadmium	---	---	---	---	---	11/2001	203
		1' - 2'	Cadmium		---	---	---	---	11/2001	503
SB-03	F19	0' - 1'	Cadmium	---	---	---	---	---	11/2001	37
		1' - 2'	Cadmium		---	---	---	---	11/2001	30.1
SB-04	F21	0' - 1'	Cadmium	---	---	---	---	---	11/2001	30.4
		1' - 2'	Cadmium		---	---	---	---	11/2001	34.2
SB-05	G22	0' - 1'	Cadmium	---	---	---	---	---	11/2001	41.1
		1' - 2'	Cadmium		---	---	---	---	11/2001	98.2
SB-06	F22	0' - 1'	Cadmium	---	---	---	---	---	11/2001	11.3
		1' - 2'	Cadmium		---	---	---	---	11/2001	8.04
SB-07	G24	0' - 1'	Cadmium	---	---	---	---	---	11/2001	42.1
		1' - 2'	Cadmium		---	---	---	---	11/2001	34.3
SB-08	G25	0' - 1'	Cadmium	---	---	---	---	---	11/2001	5.78
SB-09	E28	0' - 1'	Cadmium	---	---	---	---	---	11/2001	81.5
		1' - 2'	Cadmium		---	---	---	---	11/2001	191
SB-10	D29	0' - 1'	Cadmium	---	---	---	---	---	11/2001	108
		1' - 2'	Cadmium		---	---	---	---	11/2001	114
SB-11	B30	0' - 1'	Cadmium	---	---	---	---	---	11/2001	9.82
SB-12	B31	0' - 1'	Cadmium	---	---	---	---	---	11/2001	2.11
SB-29	F19	0" - 2"	Cadmium		---	---	---	---	06/2002	10.5
SB-30	F19	0" - 2"	Cadmium	---	---	---	---	---	06/2002	39.3
SB-31	F19	0" - 2"	Cadmium	---	---	---	---	---	06/2002	22.9
SB-32	F21	0" - 2"	Cadmium	---	---	---	---	---	06/2002	35.2
SB-33	F21	0" - 2"	Cadmium	---	---	---	---	---	06/2002	11.3
SB-34	F21	0" - 2"	Cadmium	---	---	---	---	---	06/2002	3.79
SB-35	F21	0" - 2"	Cadmium	---	---	---	---	---	06/2002	19.0
SB-36	G22	0" - 2"	Cadmium	---	---	---	---	---	06/2002	26.6
SB-37	F22	0" - 2"	Cadmium	---	---	---	---	---	06/2002	11.3
SB-38	G23	0" - 2"	Cadmium	---	---	---	---	---	06/2002	22.4
SB-39	G24	0" - 2"	Cadmium	---	---	---	---	---	06/2002	16.8

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Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-40	G24	0" - 2"	Cadmium	---	---	---	---	---	06/2002	6.52
SB-41	G24	0" - 2"	Cadmium	---	---	---	---	---	06/2002	47.3
SB-42	H25	0" - 2"	Cadmium	---	---	---	---	---	06/2002	5.65
SB-43	G25	0" - 2"	Cadmium	---	---	---	---	---	06/2002	7.77
SB-44	G27	0" - 2"	Cadmium	---	---	---	---	---	06/2002	101
SB-45	G27	0" - 2"	Cadmium	---	---	---	---	---	06/2002	17.5
SB-46	E28	0" - 2"	Cadmium	---	---	---	---	---	06/2002	96.1
SB-47	D29	0" - 2"	Cadmium	---	---	---	---	---	06/2002	35.6
SB-48	C30	0" - 2"	Cadmium	---	---	---	---	---	06/2002	29.6
SB-49	B30	0" - 2"	Cadmium	---	---	---	---	---	06/2002	21.6
SB-50	B31	0" - 2"	Cadmium	---	---	---	---	---	06/2002	1.3
SB-61	F19	0' - 1'	Cadmium	---	---	---	---	Sandy Silt	11/2002	134
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	22.9
		2' - 3'	Cadmium		---	---	---	Silty Sand	11/2002	26.2
		3' - 4'	Cadmium		---	---	---	Silty Sand/Peat	11/2002	864
SB-62	F19	2' - 3'	Cadmium	---	---	---	---	Sandy Silt	11/2002	263
		3' - 4'	Cadmium		---	---	---	Silty Sand	11/2002	208
SB-63	F19	0" - 2"	Cadmium	---	---	---	---	---	11/2002	22.6
SB-64	F21	0" - 2"	Cadmium	---	---	---	---	---	11/2002	1.1
SB-65	G22	2' - 3'	Cadmium	---	---	---	---	Sandy Silt	11/2002	6.5
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	23.4
SB-66	G24	0' - 1'	Cadmium	---	---	---	---	Silty Sand	11/2002	29.7
		1' - 2'	Cadmium		---	---	---	Clayey Silt	11/2002	24.2
		2' - 3'	Cadmium		---	---	---	Clayey Silt	11/2002	1.1
		3' - 4'	Cadmium		---	---	---	Clayey Silt	11/2002	<0.60
SB-67	G24	0" - 2"	Cadmium	---	---	---	---	---	11/2002	20.9
SB-68	G27	0' - 1'	Cadmium	---	---	---	---	Silty Sand	11/2002	31.4
		1' - 2'	Cadmium		---	---	---	Silty Sand	11/2002	18.0
		2' - 3'	Cadmium		---	---	---	Sandy Silt	11/2002	3.6
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	11.6
SB-69	F27	0" - 2"	Cadmium	---	---	---	---	---	11/2002	10.3
SB-70	E28	2' - 3'	Cadmium	---	---	---	---	Silty Sand	11/2002	12.7
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	4.8
SB-71	E28	0" - 2"	Cadmium	---	---	---	---	---	11/2002	23.2
		0' - 1'	Cadmium		---	---	---	Silty Sand	11/2002	18.6
		1' - 2'	Cadmium		---	---	---	Silty Sand	11/2002	1.7
		2' - 3'	Cadmium		---	---	---	Silty Sand	11/2002	17.0
		3' - 4'	Cadmium		---	---	---	Silty Sand	11/2002	48.4
SB-72	D29	2' - 3'	Cadmium	---	---	---	---	Silty Sand	11/2002	1.7
		3' - 4'	Cadmium		---	---	---	Silty Sand/Clay	11/2002	4.3
SB-73	D29	0" - 2"	Cadmium	---	---	---	---	---	11/2002	37.6
SB-74	B30	0' - 1'	Cadmium	---	---	---	---	Silty Sand	11/2002	25.0
		1' - 2'	Cadmium		---	---	---	Silty Sand	11/2002	3.8
		2' - 3'	Cadmium		---	---	---	Fill	11/2002	1.4
		3' - 4'	Cadmium		---	---	---	Fill/Sandy Silt	11/2002	<0.62
SB-208	F19	0" - 2"	Cadmium	---	---	---	---	---	11/2002	32.7
		0' - 1'	Cadmium		---	---	---	Silty Sand	11/2002	63.7
		1' - 2'	Cadmium		---	---	---	Silty Sand	11/2002	27.3
		2' - 3'	Cadmium		---	---	---	Silty Sand	11/2002	600
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	41.7
SB-209	F21	0" - 2"	Cadmium	---	---	---	---	---	11/2002	14.7
		0' - 1'	Cadmium		---	---	---	Sandy Silt	11/2002	11.8
		1' - 2'	Cadmium		---	---	---	Silty Sand	11/2002	14.3
		2' - 3'	Cadmium		---	---	---	Silty Sand	11/2002	10.0
		3' - 4'	Cadmium		---	---	---	Silty Sand	11/2002	10.7
SB-210	C30	0" - 2"	Cadmium	---	---	---	---	---	11/2002	4.9
		0' - 1'	Cadmium		---	---	---	Silty Sand	11/2002	3.8
		1' - 2'	Cadmium		---	---	---	Silty Sand	11/2002	7.6
		2' - 3'	Cadmium		---	---	---	Silty Sand	11/2002	1.9
		3' - 4'	Cadmium		---	---	---	Silty Sand	11/2002	<0.54
SB-229	F17	0" - 2"	Cadmium	376.82	369.99	376.65	Above	Topsoil	10/21/2003	1.4
		0' - 1'	Cadmium		369.99	375.82	Above	Silty Sand	10/21/2003	1.9
		1' - 2'	Cadmium		369.99	374.82	Above	Silty Sand	10/21/2003	0.67
		2' - 3'	Cadmium		369.99	373.82	Above	Silty Sand	10/21/2003	<0.61 [<0.60]
		3' - 4'	Cadmium		369.99	372.82	Above	Silty Sand	10/21/2003	<0.61
		4' - 5'	Cadmium		369.99	371.82	Above	Silty Sand	10/21/2003	103
		5' - 6'	Cadmium		369.99	370.82	Above	Organic Silt/Sand	10/21/2003	1,390
		6' - 7'	Cadmium		369.99	369.82	At	Organic Silt/Sand to Clayey Silt	10/21/2003	247
		7' - 8'	Cadmium		369.99	368.82	Below	Clayey Silt to Silty Clay	10/21/2003	2.7

Table 4B
Summary of Soil Classification and Analytical Data Through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-230	F21	0" - 2"	Cadmium	376.54	366.99	376.37	Above	Topsoil	10/23/2003	23.5
		0' - 1'	Cadmium		366.99	375.54	Above	Sandy Silt	10/23/2003	10.1
		1' - 2'	Cadmium		366.99	374.54	Above	Fill	10/23/2003	5.2 [1.50]
		2' - 3'	Cadmium		366.99	373.54	Above	Fill	10/23/2003	<0.57
		3' - 4'	Cadmium		366.99	372.54	Above	Silty Sand	10/23/2003	0.81
		4' - 5'	Cadmium		366.99	371.54	Above	Silty Sand	10/23/2003	<0.60
		5' - 6'	Cadmium		366.99	370.54	Above	Silty Sand to Silty Clay	10/23/2003	<0.61
		6' - 7'	Cadmium		366.99	369.54	Above	Organic Silty Clay	10/23/2003	6.0
		7' - 8'	Cadmium		366.99	368.54	Above	Organic Silty Clay	10/23/2003	<0.65 [<0.68]
		8' - 9'	Cadmium		366.99	367.54	Above	Silty Clay	10/23/2003	<0.62
		9' - 10'	Cadmium		366.99	366.54	At	Silty Clay	10/23/2003	<0.59
		10' - 11'	Cadmium		366.99	365.54	Below	Organic Silty Clay	10/23/2003	<0.67
		11' - 12'	Cadmium		366.99	364.54	Below	Silty Clay	10/23/2003	<0.62
SB-415	F24	0" - 2"	Cadmium	373.06	365.92	372.89	Above	Topsoil	10/23/2003	1.6
		0' - 1'	Cadmium		365.92	372.06	Above	Silty Sand	10/23/2003	0.99
		1' - 2'	Cadmium		365.92	371.06	Above	Silty Sand	10/23/2003	2.3
		2' - 3'	Cadmium		365.92	370.06	Above	Silty Sand	10/23/2003	<0.60
		3' - 4'	Cadmium		365.92	369.06	Above	Silty Sand to Clayey Silt	10/23/2003	<0.59
		4' - 5'	Cadmium		365.92	368.06	Above	Silty Sand	10/23/2003	2.1
		5' - 6'	Cadmium		365.92	367.06	Above	Silty Sand	10/23/2003	<0.60
		6' - 7'	Cadmium		365.92	366.06	At	Silty Sand	10/23/2003	<0.55
		7' - 8'	Cadmium		365.92	365.06	Below	Organic Silt/Sand	10/23/2003	<0.61 [<0.59]
		8' - 9'	Cadmium		365.92	364.06	Below	Silty Clay	10/23/2003	<0.64
		9' - 10'	Cadmium		365.92	363.06	Below	Silty Clay to Silty Sand	10/23/2003	<0.57
SB-416	G23	0" - 2"	Cadmium	372.03	365.87	371.86	Above	Topsoil	10/23/2003	44.4
		0' - 1'	Cadmium		365.87	371.03	Above	Silty Sand	10/23/2003	20.2
		1' - 2'	Cadmium		365.87	370.03	Above	Silty Sand	10/23/2003	6.8
		2' - 3'	Cadmium		365.87	369.03	Above	Silty Sand	10/23/2003	1.1
		3' - 4'	Cadmium		365.87	368.03	Above	Organic Silt/Sand	10/23/2003	123
		4' - 5'	Cadmium		365.87	367.03	Above	Organic Silt/Sand	10/23/2003	16.8
		5' - 6'	Cadmium		365.87	366.03	At	Organic Silt/Sand	10/23/2003	0.79
		6' - 7'	Cadmium		365.87	365.03	Below	Silty Clay	10/23/2003	<0.62
		7' - 8'	Cadmium		365.87	364.03	Below	Silty Clay	10/23/2003	<0.65
SB-417	G24	0" - 2"	Cadmium	371.96	365.42	371.79	Above	Topsoil	10/24/2003	5.9
		0' - 1'	Cadmium		365.42	370.96	Above	Topsoil	10/24/2003	16.2
		1' - 2'	Cadmium		365.42	369.96	Above	Clayey Silt	10/24/2003	3.0
		2' - 3'	Cadmium		365.42	368.96	Above	Clayey Silt	10/24/2003	0.86
		3' - 4'	Cadmium		365.42	367.96	Above	Organic Clayey Silt	10/24/2003	109.0
		4' - 5'	Cadmium		365.42	366.96	Above	Organic Clayey Silt	10/24/2003	18.4
		5' - 6'	Cadmium		365.42	365.96	Above	Organic Clayey Silt	10/24/2003	<0.73
		6' - 7'	Cadmium		365.42	364.96	At	Organic Clayey Silt to Clay	10/24/2003	<0.63
		7' - 8'	Cadmium		365.42	363.96	Below	Silty Sand	10/24/2003	<0.73
SB-453	F17	0" - 2"	Cadmium	376.77	370.01	376.60	Above	Topsoil	4/29/2004	2.26
		0' - 1'	Cadmium		370.01	375.77	Above	Sandy Silt	4/29/2004	4.03
		1' - 2'	Cadmium		370.01	374.77	Above	Sandy Silt	4/29/2004	<0.590
		2' - 3'	Cadmium		370.01	373.77	Above	Sandy Silt	4/29/2004	<0.612
		3' - 4'	Cadmium		370.01	372.77	Above	Clayey Silt	4/29/2004	<0.623
		4' - 5'	Cadmium		370.01	371.77	Above	Clayey Silt	4/29/2004	3.29
		5' - 6'	Cadmium		370.01	370.77	Above	Clayey Silt	4/29/2004	91.9
		6' - 7'	Cadmium		370.01	369.77	At	Clayey Silt	4/29/2004	130
		7' - 8'	Cadmium		370.01	368.77	Below	Clayey Silt	4/29/2004	<0.734
SB-454	F21	0" - 2"	Cadmium	376.79	367.00	376.62	Above	Topsoil	4/29/2004	4.9
		0' - 1'	Cadmium		367.00	375.79	Above	Silty Sand	4/29/2004	7.5
SB-455	G23	0" - 2"	Cadmium	372.43	365.91	372.26	Above	Topsoil	4/29/2004	3.8
		0' - 1'	Cadmium		365.91	371.43	Above	Sandy Silt	4/29/2004	2.31
		1' - 2'	Cadmium		365.91	370.43	Above	Clayey Silt	4/29/2004	<0.615
		2' - 3'	Cadmium		365.91	369.43	Above	Clayey Silt	4/29/2004	<0.602
		3' - 4'	Cadmium		365.91	368.43	Above	Clayey Silt	4/29/2004	7.04
		4' - 5'	Cadmium		365.91	367.43	Above	Clayey Silt	4/29/2004	<0.681

Notes:

1. Boring locations are shown on Figure 10B.
2. Figure coordinates correspond to coordinate system shown on Figure 10B.
3. The soil classification descriptions identified in the table represent the predominant soil type for the respective intervals.
4. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
5. --- indicates that the information is not available.
6. Duplicate results are presented in brackets.
7. B - Compound was found in the blank and sample.
8. J - The detected concentration is an estimated value.
9. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
10. < - Analyte not detected at the reporting limit shown.

Table 4C
Summary of Soil Classification and Analytical Data through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
B-1	G44	0' - 2.5'	Cadmium	---	---	---	---	---	11/25/2003	1.5
		2.5' - 12'	Cadmium		---	---	---	---	11/25/2003	<0.63
B-2	G44	7' -8'	Cadmium	---	---	---	---	---	11/25/2003	<0.59
B-3	G44	0' - 5'	Cadmium	---	---	---	---	---	11/24/2003	<0.61 [<0.61]
		5' - 14'	Cadmium		---	---	---	---	11/24/2003	<0.64
B-4	E44	0' - 2'	Cadmium	---	---	---	---	---	11/24/2003	<0.63
		2' - 12'	Cadmium		---	---	---	---	11/24/2003	<0.71
B-5	D43	0' - 1.5'	Cadmium	---	---	---	---	---	11/24/2003	<0.54
		1.5' - 12'	Cadmium		---	---	---	---	11/24/2003	7.5
B-11	C43	0' - 4'	Cadmium	---	---	---	---	---	3/5/2004	0.74 [0.63]
		4' - 8'	Cadmium		---	---	---	--	3/5/2004	0.87
		8' - 12'	Cadmium		---	---	---	---	3/5/2004	0.66
B-12	B43	0' - 4'	Cadmium	---	---	---	---	---	3/5/2004	<0.61
		4' - 8'	Cadmium		---	---	---	--	3/5/2004	0.69
		8' - 12'	Cadmium		---	---	---	---	3/5/2004	<0.58
DI-16-01	D35	0' - 1'	Cadmium	371.46	363.58	370.46	Above	Gravelly coarse sand with organics	8/24/2011	3.3
		1' - 2'	Cadmium		363.58	369.46	Above	Gravelly coarse to fine sand with organics	8/24/2011	4.5
		2' - 3'	Cadmium		363.58	368.46	Above	Gravelly coarse to fine sand with organics	8/24/2011	5.1
		3' - 4'	Cadmium		363.58	367.46	Above	Coarse to fine sand with trace silt, gravel & organics	8/24/2011	5.7
		4' - 5'	Cadmium		363.58	366.46	Above	Clayey silt	8/24/2011	0.19 J
		5' - 6'	Cadmium		363.58	365.46	Above	Silty clay to clay at 6'	8/24/2011	0.14 J
DI-16-02	D35	0' - 1'	Cadmium	375.41	363.51	374.41	Above	Fine sand, trace gravel	8/24/2011	45.0
		1' - 2'	Cadmium		363.51	373.41	Above	Fine sand, little silt, some gravel	8/24/2011	59.6
		2' - 3'	Cadmium		363.51	372.41	Above	Fine sand, trace gravel, organics & silt	8/24/2011	3.2
		3' - 4'	Cadmium		363.51	371.41	Above	Coarse to fine gravelly sand	8/24/2011	0.81 J
		4' - 5'	Cadmium		363.51	370.41	Above	Silt, little clay, little gravel & pebbles	8/24/2011	0.31
		5' - 6'	Cadmium		363.51	369.41	Above	Silty clay	8/24/2011	0.17 J
DI-16-03	D36	0' - 1'	Cadmium	369.66	363.56	368.66	Above	Organics, silt with pebbles, some sand	8/24/2011	6.2
		1' - 2'	Cadmium		363.56	367.66	Above	Clayey silt, pebbles, trace fine sand	8/24/2011	0.33
		2' - 3'	Cadmium		363.56	366.66	Above	Silty clay with organics to 2'-3" then silty sand, little gravel, trace clay	8/24/2011	0.44 [0.17 J]
		3' - 4'	Cadmium		363.56	365.66	Above	Gravelly sand (coarse to fine)	8/24/2011	0.040 J
		4' - 5'	Cadmium		363.56	364.66	Above	Silt	8/24/2011	0.24
		5' - 6'	Cadmium		363.56	363.66	At	Clayey silt to silty clay with depth	8/24/2011	0.13 J
DI-81-01	D36	0' - 1'	Cadmium	370.79	363.46	362.66	At	Silt and Sand, trace gravel, trace clay, rock fragments	8/13/2013	17.9 B [22.6 B]
		1' - 2'	Cadmium		363.46	361.66	At	Silt and Sand, trace gravel, trace clay, rock fragments	8/13/2013	17.1 B
		2' - 3'	Cadmium		363.46	360.66	At	Sandy Silt, trace gravel, rock fragments	8/13/2013	11.4 B
DI-81-02	D36	0' - 1'	Cadmium	371.12	363.46	358.66	At	Silt and Sand, little clay, trace gravel, rock fragments	8/13/2013	40.8 B
		1' - 2'	Cadmium		363.46	357.66	At	Silt and Sand, little clay, trace gravel, rock fragments	8/13/2013	7.2 B
EPSOIL-4	F44	0' - 1'	Cadmium	---	---	---	---	---	10/2001	4.5
SB-13	D37	0' - 1'	Cadmium	---	---	---	---	---	11/2001	14.4
		1' - 2'	Cadmium		---	---	---	---	11/2001	<0.666
SB-14	C37	0' - 1'	Cadmium	---	---	---	---	---	11/2001	52.2
		1' - 2'	Cadmium		---	---	---	---	11/2001	26.2 [9.8]
SB-15	D42	0' - 1'	Cadmium	---	---	---	---	---	11/2001	30.2
		1' - 2'	Cadmium		---	---	---	---	11/2001	44.8
SB-16	D43	0' - 1'	Cadmium	---	---	---	---	---	11/2001	28.9
		1' - 2'	Cadmium		---	---	---	---	11/2001	27.7
SB-17	G44	0' - 1'	Cadmium	---	---	---	---	---	11/2001	32.1
SB-18	G44	0' - 1'	Cadmium	---	---	---	---	---	11/2001	6.25
SB-75	D35	0" - 6"	Cadmium	---	---	---	---	---	11/2002	1.3
		6" - 12"	Cadmium		---	---	---	Sand & Gravel	11/2002	0.67
		1' - 2'	Cadmium		---	---	---	Sand, Silt, Clay	11/2002	<0.58
		2' - 3'	Cadmium		---	---	---	Sand, Silt, Clay	11/2002	<0.57
		3' - 4'	Cadmium		---	---	---	Clay	11/2002	<0.61
SB-76	D35	0" - 6"	Cadmium	---	---	---	---	---	11/2002	0.73
		6" - 12"	Cadmium		---	---	---	Clayey Silt	11/2002	<0.58
		1' - 2'	Cadmium		---	---	---	Clayey Silt	11/2002	<0.61
		2' - 3'	Cadmium		---	---	---	Clayey Silt	11/2002	1.2
		3' - 4'	Cadmium		---	---	---	Silty Sand	11/2002	<0.52
SB-77	E36	0" - 6"	Cadmium	---	---	---	---	Gravelly Sand	11/2002	18.9
		6" - 12"	Cadmium		---	---	---	Gravelly Sand	11/2002	1.1
		1' - 2'	Cadmium		---	---	---	Gravelly Sand/Clayey Silt	11/2002	<0.55
		2' - 3'	Cadmium		---	---	---	Clayey Silt/ Sand	11/2002	<0.56
		3' - 4'	Cadmium		---	---	---	Silty Sand	11/2002	<0.57

Table 4C
Summary of Soil Classification and Analytical Data through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-78	C37	3' - 4'	Cadmium	---	---	---	---	Clay	11/2002	<0.58
SB-79	C37	0" - 6"	Cadmium	---	---	---	---	---	11/2002	1.9
		6" - 12"	Cadmium		---	---	---	---	11/2002	0.96
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.57
		3' - 4'	Cadmium		---	---	---	Clay	11/2002	1.2
SB-80	D40	0" - 6"	Cadmium	---	---	---	---	---	11/2002	11.7
		6" - 12"	Cadmium		---	---	---	---	11/2002	7.3
		0' - 4'	Cadmium		---	---	---	Fill	11/2002	18.4
		4' - 8'	Cadmium		---	---	---	Fill/Peat	11/2002	22.6
		8' - 12'	Cadmium		---		---	Peat/Sand and Gravel	11/2002	<0.87
SB-81	D40	0" - 6"	Cadmium	---	---	---	---	---	11/2002	49.9
		6" - 12"	Cadmium		---	---	---	Sandy Silt	11/2002	7.4
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	8.4
		2' - 3'	Cadmium		---	---	---	Sand	11/2002	1.6
		3' - 4'	Cadmium		---	---	---	Clay	11/2002	<0.63
SB-82	D40	0" - 6"	Cadmium	---	---	---	---	---	11/2002	1.7
		6" - 12"	Cadmium		---	---	---	---	11/2002	1.6
		1' - 2'	Cadmium		---	---	---	Clayey Silt	11/2002	<0.61
		2' - 3'	Cadmium		---	---	---	Sandy Silt	11/2002	1.6
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	1.3
SB-83	C40	0" - 6"	Cadmium	---	---	---	---	---	11/2002	<0.52
		6" - 12"	Cadmium		---	---	---	---	11/2002	<0.51
		0' - 4'	Cadmium		---	---	---	Clay/Fill	11/2002	<0.55
		4' - 8'	Cadmium		---	---	---	Clay/Wood/Peat	11/2002	<0.65
SB-84	D42	2' - 3'	Cadmium	---	---	---	---	Peat	11/2002	11.4
		3' - 4'	Cadmium		---	---	---	Sand	11/2002	<0.79
SB-85	G44	0' - 1'	Cadmium	---	---	---	---	---	11/2002	32.1
SB-211	D43	0" - 6"	Cadmium	---	---	---	---	---	11/2002	3.6
		6" - 12"	Cadmium		---	---	---	---	11/2002	6.8
		1' - 2'	Cadmium		---	---	---	Cobbles, Sand	11/2002	<0.60
		2' - 3'	Cadmium		---	---	---	Cobbles, Sand	11/2002	<0.56
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.61
SB-212	G44	0" - 6"	Cadmium	---	---	---	---	---	11/2002	8.0
		6" - 12"	Cadmium		---	---	---	Silty Sand	11/2002	2.6
		1' - 2'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.59
		2' - 3'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.62
		3' - 4'	Cadmium		---	---	---	Sandy Silt	11/2002	<0.75
SB-231	G43	0" - 6"	Cadmium	366.68	361.56	366.18	Above	Silty Sand	11/3/2003	1.0
		6" - 12"	Cadmium		361.56	365.68	Above	Silty Sand	11/3/2003	0.82
		1' - 2'	Cadmium		361.56	364.68	Above	Silty Sand	11/3/2003	0.72
		2' - 3'	Cadmium		361.56	363.68	Above	Silty Sand	11/3/2003	<0.60
		3' - 4'	Cadmium		361.56	362.68	Above	Silty Sand	11/3/2003	<0.64
		4' - 5'	Cadmium		361.56	361.68	At	Silty Sand to Organic Clayey Silt	11/3/2003	<0.63
		5' - 6'	Cadmium		361.56	360.68	Below	Organic Clayey Silt	11/3/2003	<0.68
		6' - 7'	Cadmium		361.56	359.68	Below	Organic Clayey Silt	11/3/2003	<0.59
		7' - 8'	Cadmium		361.56	358.68	Below	Sand/Gravel/ Shells	11/3/2003	<0.74
SB-232	G42	0" - 6"	Cadmium	365.99	361.32	365.49	Above	Silty Sand	11/3/2003	23.9
		6" - 12"	Cadmium		361.32	364.99	Above	Silty Sand	11/3/2003	21.6
		1' - 2'	Cadmium		361.32	363.99	Above	Silty Sand	11/3/2003	40.8
		2' - 3'	Cadmium		361.32	362.99	Above	Silty Sand	11/3/2003	5.3
		3' - 4'	Cadmium		361.32	361.99	Above	Silty Sand to Organic Clayey Silt	11/3/2003	<0.71
		4' - 5'	Cadmium		361.32	360.99	At	Organic Clayey Silt	11/3/2003	<0.70
SB-418	E36	0" - 6"	Cadmium	369.94	363.62	369.44	Above	Fill	11/3/2003	0.96
		6" - 12"	Cadmium		363.62	368.94	Above	Fill	11/3/2003	0.70
		1' - 2'	Cadmium		363.62	367.94	Above	Fill	11/3/2003	0.75
		2' - 3'	Cadmium		363.62	366.94	Above	Silty Sand/ Gravel	11/3/2003	<0.55
		3' - 4'	Cadmium		363.62	365.94	Above	Silty Sand to Organic Clayey Silt	11/3/2003	25.1
		4' - 5'	Cadmium		363.62	364.94	Above	Organic Clayey Silt	11/3/2003	0.65
SB-419	D36	0" - 6"	Cadmium	370.41	363.54	369.91	Above	Fill	11/3/2003	1.8
		6" - 12"	Cadmium		363.54	369.41	Above	Fill	11/3/2003	0.8
		1' - 2'	Cadmium		363.54	368.41	Above	Fill	11/3/2003	1.7
		2' - 3'	Cadmium		363.54	367.41	Above	Fill	11/3/2003	0.58
		3' - 4'	Cadmium		363.54	366.41	Above	Fill	11/3/2003	2.5
		4' - 5'	Cadmium		363.54	365.41	Above	Organic Clayey Silt	11/3/2003	1.3

Table 4C
Summary of Soil Classification and Analytical Data through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-420	D35	0" - 6"	Cadmium	370.42	363.54	369.92	Above	Fill	11/3/2003	64.0
		6" - 12"	Cadmium		363.54	369.42	Above	Fill	11/3/2003	87.1
		1' - 2'	Cadmium		363.54	368.42	Above	Fill	11/3/2003	63.5
		2' - 3'	Cadmium		363.54	367.42	Above	Fill	11/3/2003	1.9
		3' - 4'	Cadmium		363.54	366.42	Above	Fill to Organic Clayey Silt	11/3/2003	2.9
		4' - 5'	Cadmium		363.54	365.42	Above	Organic Clayey Silt	11/3/2003	1.1
SB-421	D36	0" - 6"	Cadmium	371.01	363.46	370.51	Above	Fill	11/3/2003	1.9
		6" - 12"	Cadmium		363.46	370.01	Above	Fill	11/3/2003	0.60
		1' - 2'	Cadmium		363.46	369.01	Above	Fill	11/3/2003	1.3
		2' - 3'	Cadmium		363.46	368.01	Above	Fill	11/3/2003	3.6 [3.1]
		3' - 4'	Cadmium		363.46	367.01	Above	Fill	11/3/2003	<0.54
		4' - 5'	Cadmium		363.46	366.01	Above	Silty Sand	11/3/2003	<0.52
SB-422	D36	0" - 6"	Cadmium	370.64	363.46	370.14	Above	Fill	11/3/2003	53.5
		6" - 12"	Cadmium		363.46	369.64	Above	Fill	11/3/2003	57.7
		1' - 2'	Cadmium		363.46	368.64	Above	Fill	11/3/2003	2.5
		2' - 3'	Cadmium		363.46	367.64	Above	Fill	11/3/2003	0.62
		3' - 4'	Cadmium		363.46	366.64	Above	Fill to Organic Clayey Silt	11/3/2003	1.2
		4' - 5'	Cadmium		363.46	365.64	Above	Organic Clayey Silt	11/3/2003	0.62
SB-423	E36	0" - 6"	Cadmium	371.94	363.79	371.44	Above	Asphalt	10/31/2003	<0.53
		6" - 12"	Cadmium		363.79	370.94	Above	Sand/Gravel	10/31/2003	<0.52
		0' - 2'	Cadmium		363.79	369.94	Above	Asphalt/ Sand/ Gravel/ Fill	10/31/2003	<0.54
		2' - 4'	Cadmium		363.79	367.94	Above	Fill	10/31/2003	<0.56
		4' - 6'	Cadmium		363.79	365.94	Above	Fill to Sand	10/31/2003	<0.56 [<0.28]
		6' - 8'	Cadmium		363.79	363.94	At	Clay	10/31/2003	<0.63
SB-424	F36	0" - 6"	Cadmium	371.98	363.83	371.48	Above	Asphalt	10/31/2003	<0.53
		6" - 12"	Cadmium		363.83	370.98	Above	Fill	10/31/2003	<0.57
		0' - 2'	Cadmium		363.83	369.98	Above	Fill	10/31/2003	<0.59
		2' - 4'	Cadmium		363.83	367.98	Above	Fill to Sand/Gravel/Cobbles	10/31/2003	<0.57
		4' - 6'	Cadmium		363.83	365.98	Above	Sand/Gravel/Cobbles to Silty Sand	10/31/2003	<0.58
		6' - 8'	Cadmium		363.83	363.98	At	Silty Sand to Organic Silty Clay to Organic Clay	10/31/2003	<0.62
		8' - 10'	Cadmium		363.83	361.98	Below	Organic Clay	10/31/2003	<0.61
		10' - 12'	Cadmium		363.83	359.98	Below	Sand to Clay	10/31/2003	<0.61
SB-425	F36	0" - 6"	Cadmium	371.79	363.85	371.29	Above	Asphalt	10/31/2003	<0.53
		6" - 12"	Cadmium		363.85	370.79	Above	Silty Sand/ Gravel/Cobbles	10/31/2003	<0.55
		0' - 2'	Cadmium		363.85	369.79	Above	Asphalt/ Silty Sand/ Gravel/Cobbles	10/31/2003	<0.54
		2' - 4'	Cadmium		363.85	367.79	Above	Silty Sand/ Gravel/Cobbles to Sand	10/31/2003	<0.55
		4' - 6'	Cadmium		363.85	365.79	Above	Sand to Organic Clayey Silt	10/31/2003	22.0
		6' - 8'	Cadmium		363.85	363.79	At	Organic Clayey Silt to Clay	10/31/2003	<0.63
		8' - 10'	Cadmium		363.85	361.79	Below	Silty Clay to Clay to Sand/Gravel to Clay to Sand with Shells	10/31/2003	6.8
		10' - 12'	Cadmium		363.85	359.79	Below	Sand with shells to Clay	10/31/2003	<0.59
SB-426	F38	0" - 6"	Cadmium	371.98	362.55	371.48	Above	Fill	10/31/2003	<0.58
		6" - 12"	Cadmium		362.55	370.98	Above	Fill	10/31/2003	<0.58
		0' - 2'	Cadmium		362.55	369.98	Above	Fill	10/31/2003	<0.56
		2' - 4'	Cadmium		362.55	367.98	Above	Silt/Sand/ Gravel/Cobble	10/31/2003	<0.55 [<0.56]
		4' - 6'	Cadmium		362.55	365.98	Above	Organic Clayey Silt	10/31/2003	28.9
		6' - 8'	Cadmium		362.55	363.98	Above	Organic Clayey Silt	10/31/2003	21.1
		8' - 10'	Cadmium		362.55	361.98	Below	Organic Clayey Silt to Sand with Shells	10/31/2003	11.7
		10' - 12'	Cadmium		362.55	359.98	Below	Clay to Organic Silty Clay to Silty Sand with Shells	10/31/2003	<0.789
SB-427	F38	0" - 6"	Cadmium	371.91	362.57	371.41	Above	Fill	10/31/2003	<0.59
		6" - 12"	Cadmium		362.57	370.91	Above	Fill	10/31/2003	<0.59
		0' - 2'	Cadmium		362.57	369.91	Above	Fill	10/31/2003	<0.58
		2' - 4'	Cadmium		362.57	367.91	Above	Fill	10/31/2003	<0.55
		4' - 6'	Cadmium		362.57	365.91	Above	Fill to Gravel/Sand/ Ceramic	10/31/2003	0.85
		6' - 8'	Cadmium		362.57	363.91	Above	Organic Silty Clay	10/31/2003	4.8
		8' - 10'	Cadmium		362.57	361.91	Below	Sand with shells to Clay	10/31/2003	<0.750
		10' - 12'	Cadmium		362.57	359.91	Below	Silty Clay, Wood at 10'	10/31/2003	<0.832
SB-428	F38	0" - 6"	Cadmium	370.79	362.60	370.29	Above	Sand/Gravel/Cobbles	10/31/2003	<0.57
		6" - 12"	Cadmium		362.60	369.79	Above	Sand/Gravel/Cobbles	10/31/2003	<0.55
		0' - 2'	Cadmium		362.60	368.79	Above	Sand/Gravel/Cobbles	10/31/2003	<0.54
		2' - 4'	Cadmium		362.60	366.79	Above	Sand/Gravel/Cobbles	10/31/2003	<0.55
		4' - 6'	Cadmium		362.60	364.79	Above	Sand/Gravel/Cobbles	10/31/2003	<0.56
		6' - 8'	Cadmium		362.60	362.79	At	Organic Silty Clay (ceramics at 6'-6") to Clay	10/31/2003	28.7
		8' - 10'	Cadmium		362.60	360.79	Below	Clay	10/31/2003	<0.693
		10' - 12'	Cadmium		362.60	358.79	Below	Organic Silty Sand to Sand with Shells	10/31/2003	1.02

Table 4C
Summary of Soil Classification and Analytical Data through August 2013[1]
West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID	Figure Coordinates[2]	Sampling Interval	Analyte	Surface Elevation (ft)	Brook Elevation (ft)	Sample Elevation at Bottom of Interval (ft)	Sample Relation to Brook Level	General Soil Classification[3]	Collection Date	Result (mg/kg)
SB-429	F40	0" - 6"	Cadmium	372.73	361.16	372.23	Above	Fill	10/31/2003	<0.60
		6" - 12"	Cadmium		361.16	371.73	Above	Fill	10/31/2003	0.58
		0' - 2'	Cadmium		361.16	370.73	Above	Fill	10/31/2003	<0.54
		2' - 4'	Cadmium		361.16	368.73	Above	Fill	10/31/2003	<0.55
		4' - 6'	Cadmium		361.16	366.73	Above	Clay	10/31/2003	0.67 [0.62]
		6' - 8'	Cadmium		361.16	364.73	Above	Silty Sand/ Gravel, Organic Clay, Ceramics	10/31/2003	<0.54
		8' - 10'	Cadmium		361.16	362.73	Above	Ceramics to Organic Clayey Silt	10/31/2003	5.7
		10' - 12'	Cadmium		361.16	360.73	At	Organic Clayey Silt	10/31/2003	0.73
		12' - 14'	Cadmium		361.16	358.73	Below	Organic Clayey Silt	10/31/2003	0.99
		14' - 16'	Cadmium		361.16	356.73	Below	Clay to Sand/Gravel/ Shells	10/31/2003	<0.71
SB-430	F40	0" - 6"	Cadmium	373.62	361.16	373.12	Above	Fill	10/31/2003	<0.56
		6" - 12"	Cadmium		361.16	372.62	Above	Fill	10/31/2003	0.59
		0' - 2'	Cadmium		361.16	371.62	Above	Fill	10/31/2003	<0.57
		2' - 4'	Cadmium		361.16	369.62	Above	Fill	10/31/2003	0.57
		4' - 6'	Cadmium		361.16	367.62	Above	Fill	10/31/2003	<0.57
		6' - 8'	Cadmium		361.16	365.62	Above	Concrete to Sand/Gravel to Silty Sand	10/31/2003	<0.55
		8' - 10'	Cadmium		361.16	363.62	Above	Silty Sand	10/31/2003	<0.59
		10' - 12'	Cadmium		361.16	361.62	At	Gravel/Cobbles/Shells to Silty Clay	10/31/2003	2.5
SB-431	G40	0" - 6"	Cadmium	374.38	361.02	373.88	Above	Fill	10/31/2003	<0.54
		6" - 12"	Cadmium		361.02	373.38	Above	Fill	10/31/2003	<0.54
		0' - 2'	Cadmium		361.02	372.38	Above	Fill	10/31/2003	<0.54
		2' - 4'	Cadmium		361.02	370.38	Above	Fill to Sand/Gravel	10/31/2003	3.0
		4' - 6'	Cadmium		361.02	368.38	Above	Silt/Sand/ Gravel to Fill	10/31/2003	0.78
		6' - 8'	Cadmium		361.02	366.38	Above	Fill	10/31/2003	0.71
		8' - 10'	Cadmium		361.02	364.38	Above	Cobbles/Ceramic to Silty Sand to Ceramics	10/31/2003	<0.57
		10' - 12'	Cadmium		361.02	362.38	Above	Organic Silty Clay	10/31/2003	3.3
SB-432	F42	0" - 6"	Cadmium	364.60	361.05	364.10	Above	Organic Silt/Sand	11/3/2003	13.8
		6" - 12"	Cadmium		361.05	363.60	Above	Organic Silt/Sand	11/3/2003	<0.50
		1' - 2'	Cadmium		361.05	362.60	Above	Silty Sand	11/3/2003	3.0
		2' - 3'	Cadmium		361.05	361.6	Above	Silty Sand	11/3/2003	<0.64
		3' - 4'	Cadmium		361.05	360.6	At	Silty Sand to Organic Clayey Silt	11/3/2003	<0.75
		4' - 5'	Cadmium		361.05	359.6	Below	Sand/Gravel/ Shells	11/3/2003	<0.75
SB-433	E40	0" - 6"	Cadmium	371.73	362.02	371.23	Above	Fill	10/31/2003	0.66
		6" - 12"	Cadmium		362.02	370.73	Above	Fill	10/31/2003	1.0
		0' - 2'	Cadmium		362.02	369.73	Above	Fill	10/31/2003	0.99
		2' - 4'	Cadmium		362.02	367.73	Above	Fill	10/31/2003	0.66
		4' - 6'	Cadmium		362.02	365.73	Above	Fill	10/31/2003	1.2
		6' - 8'	Cadmium		362.02	363.73	Above	Fill to Silty Sand/Ceramics	10/31/2003	<0.57
		8' - 10'	Cadmium		362.02	361.73	At	Organic Clayey Silt	10/31/2003	0.8
		10' - 12'	Cadmium		362.02	359.73	Below	Organic Clayey Silt	10/31/2003	<0.70
SB-434	E41	0" - 6"	Cadmium	371.77	361.89	371.27	Above	Fill	10/31/2003	0.61
		6" - 12"	Cadmium		361.89	370.77	Above	Fill	10/31/2003	0.68
		0' - 2'	Cadmium		361.89	369.77	Above	Fill	10/31/2003	<0.57
		2' - 4'	Cadmium		361.89	367.77	Above	Fill	10/31/2003	1.9
		4' - 6'	Cadmium		361.89	365.77	Above	Fill	10/31/2003	1.3
		6' - 8'	Cadmium		361.89	363.77	Above	Fill to Silty Sand/Ceramics	10/31/2003	1.3 [<0.54]
		8' - 10'	Cadmium		361.89	361.77	At	Organic Clayey Silt/Ceramics to Sand/Gravel/ Shells	10/31/2003	<0.78
		10' - 12'	Cadmium		361.89	359.77	Below	Sand/Gravel/Shells	10/31/2003	<0.79

Notes:

1. Boring locations are shown on Figure 10C.
2. Figure coordinates correspond to coordinate system shown on Figure 10C.
3. The soil classification descriptions identified in the table represent the predominant soil type for the respective intervals.
4. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
5. --- indicates that the information is not available.
6. Duplicate results are presented in brackets.
7. B - Compound was found in the blank and sample.
8. J - The detected concentration is an estimated value.
9. < - Analyte not detected at the reporting limit shown.

Table 5
Summary of Soil Waste Characterization Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Sample ID: Date Sample Collected: Type of Sample:	Units	DI-07-02 (0-4' COMP) 8/14/2009 Soil	DI-32C-03 (0-2' COMP) 9/21/2009 Soil
TCLP Volatiles			
1,1-Dichloroethene	ug/L	<10	<10
1,2-Dichloroethane	ug/L	<10	<10
Benzene	ug/L	<10	<10
Carbon Tetrachloride	ug/L	<10	<10
Chlorobenzene	ug/L	<10	<10
Chloroform	ug/L	<10	<10
Methyl Ethyl Ketone	ug/L	<50	<50
Tetrachloroethene	ug/L	<10	<10
Trichloroethene	ug/L	<10	<10
Vinyl chloride	ug/L	<10	<10
TCLP Semivolatiles			
1,4-Dichlorobenzene	mg/L	<0.040	<0.040
2,4,5-Trichlorophenol	mg/L	<0.020	<0.020
2,4,6-Trichlorophenol	mg/L	<0.020	<0.020
2,4-Dinitrotoluene	mg/L	<0.020	<0.020
Cresol, m-	mg/L	<0.040	<0.040
Cresol, o-	mg/L	<0.020	<0.020
Cresol, p-	mg/L	<0.040	<0.040
Hexachlorobenzene	mg/L	<0.020	<0.020
Hexachlorobutadiene	mg/L	<0.020	<0.020
Hexachloroethane	mg/L	<0.020	<0.020
Nitrobenzene	mg/L	<0.020	<0.020
Pentachlorophenol	mg/L	<0.040	<0.040
Pyridine	mg/L	<0.100	<0.100
TCLP Metals			
Arsenic	mg/L	0.0098 J	<0.0500
Barium	mg/L	1.33 B1, B	0.492 B1, B
Cadmium	mg/kg	0.114	0.0152
Chromium	mg/L	0.0592	0.0015 J, B
Lead	mg/L	0.0230	0.0014 J, B
Mercury	mg/L	<0.0002	<0.0002
Selenium	mg/L	0.0072 J	<0.0150
Silver	mg/L	<0.0030	<0.0030
TCLP Herbicides			
2,4,5-TP (Silvex)	mg/L	<0.002	<0.002
2,4-D	mg/L	<0.002	<0.002
TCLP Pesticides			
Chlordane	mg/L	<0.002	<0.002
Endrin	mg/L	<0.0002	<0.0002
Heptachlor	mg/L	<0.0002	<0.0002
Heptachlor epoxide	mg/L	<0.0002	<0.0002
Methoxychlor	mg/L	<0.0002	<0.0002
Toxaphene	mg/L	<0.002	<0.002
gamma-BHC (Lindane)	mg/L	<0.0002	<0.0002
RCRA Characteristics			
Corrosivity (pH)	S.U.	7.98	7.44
Flashpoint	°F	>176	>176
HCN Released From Waste	mg/kg	<10	1.62 J
H_2S Released From Waste	mg/kg	20.1	40.1
Polychlorinated Biphenyls			
PCB 1016	ug/kg	<21	<18
PCB 1221	ug/kg	<21	<18
PCB 1232	ug/kg	<21	<18
PCB 1242	ug/kg	<21	<18
PCB 1248	ug/kg	<21	<18
PCB 1254	ug/kg	<21	<18
PCB 1260	ug/kg	<21	19

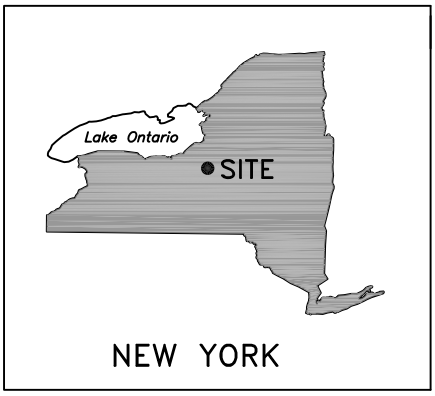
Table 5
Summary of Soil Waste Characterization Analytical Data

West Branch of Bloody Brook
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Notes:

1. Analysis was performed on the composite soil sample. The composite sample was comprised of equal parts collected from 1-foot depth intervals within the sample depth interval shown in parentheses in the sample ID.
2. mg/L = milligrams per liter.
3. ug/L = micrograms per liter.
4. mg/kg = milligrams per kilogram.
5. ^{0}F = degrees Fahrenheit.
6. ug/kg = micrograms per kilogram.
7. S.U. = Standard Units
8. < = indicates constituent not detected over laboratory detection limit listed.
9. J = data qualifier that indicates the analytical result is an estimated value.
10. B = Analyte detected in the associated Method Blank.
11. B1 = Analyte detected in the associated Method Blank, and analyte concentration is greater than 10x the concentration in the Method Blank.

Figures



0' 2000' 4000'

APPROXIMATE SCALE

REFERENCE:

1. NYSDOT 7.5 MIN TOPOGRAPHIC MAP OF SYRACUSE WEST, QUADRANGLE 1990, SCALE: 1" = 2000'.

AECOM

LOCKHEED MARTIN CORPORATION

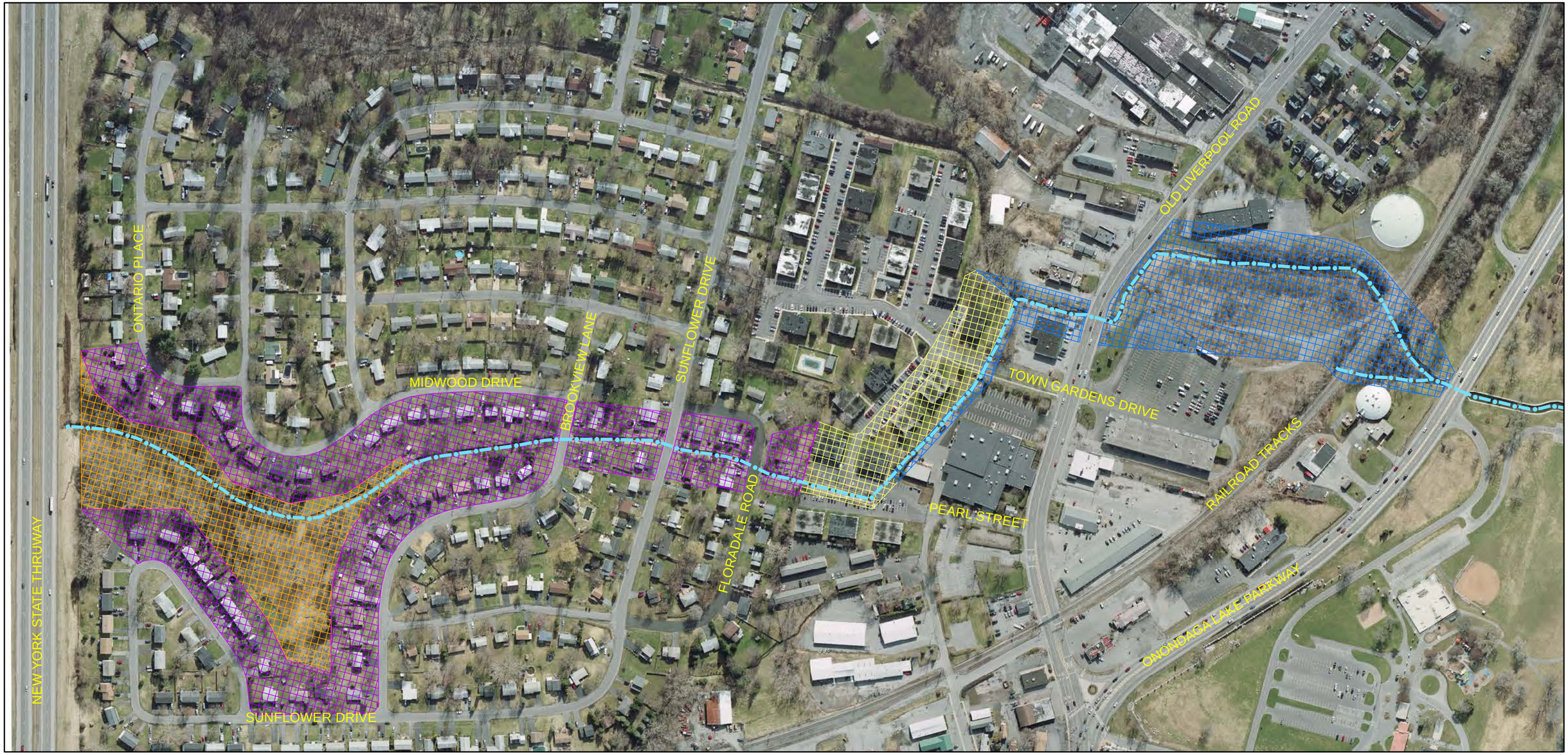
SITE LOCATION MAP

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
A1FIG1.dwg	—	60194430	11 / 2013	1

Plotted By: bookasr
Layout-Sheet Name: LAYOUT1
Plot File Date Created: Nov/04/2013 12:05 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\A1FIG1.DWG



Legend

- CURRENT BROOK ALIGNMENT
- WOODED AREA
- RESIDENTIAL AREA
- APARTMENT COMPLEX AREA
- COMMERICAL-LIGHT INDUSTRIAL AREA

N

0 365 730 1,460 2,190 2,920 Feet

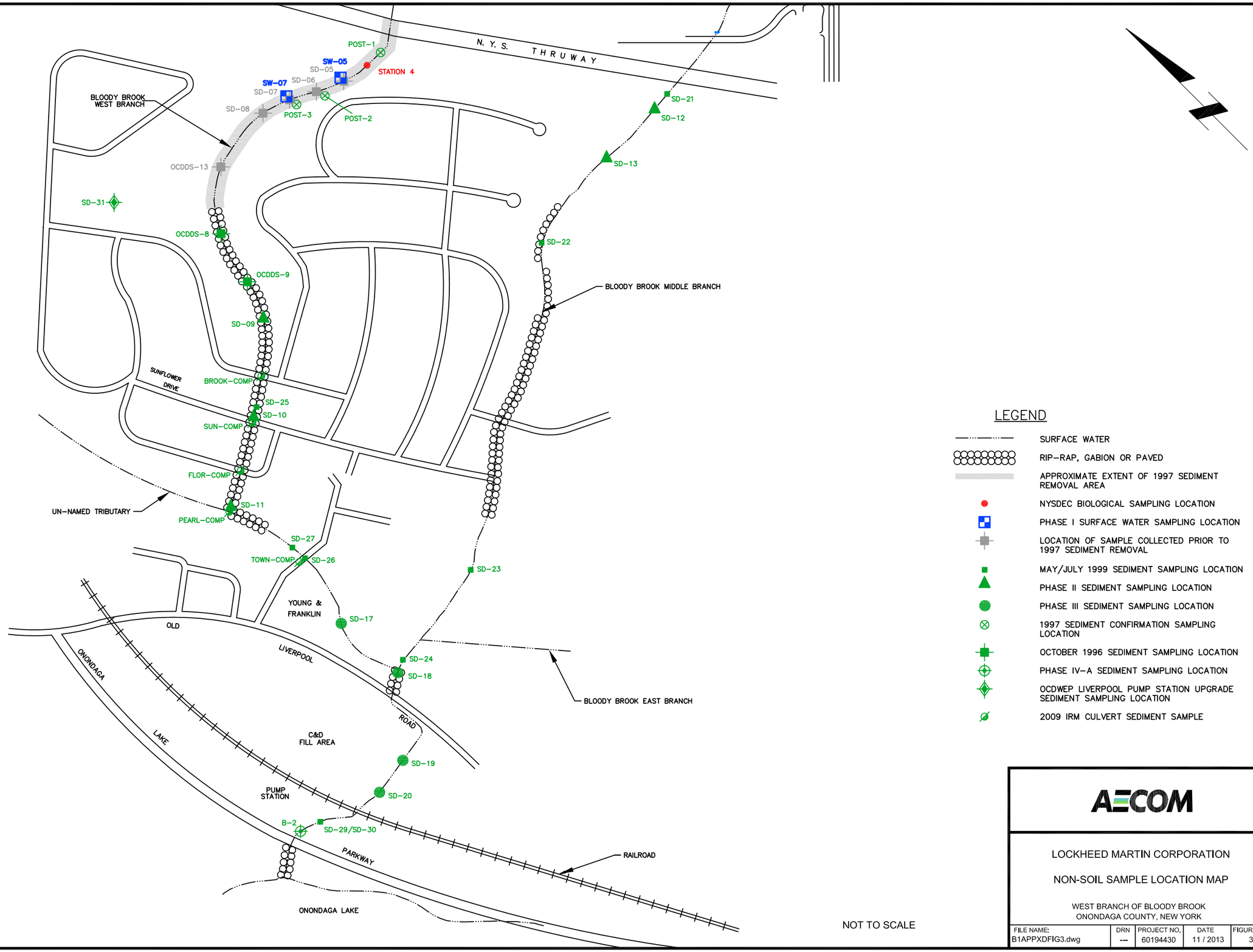
AECOM

FIGURE 2
LOCKHEED MARTIN CORPORATION
SITE AREA MAP

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

NOVEMBER 2013

60194430



AECOM

LOCKHEED MARTIN CORPORATION

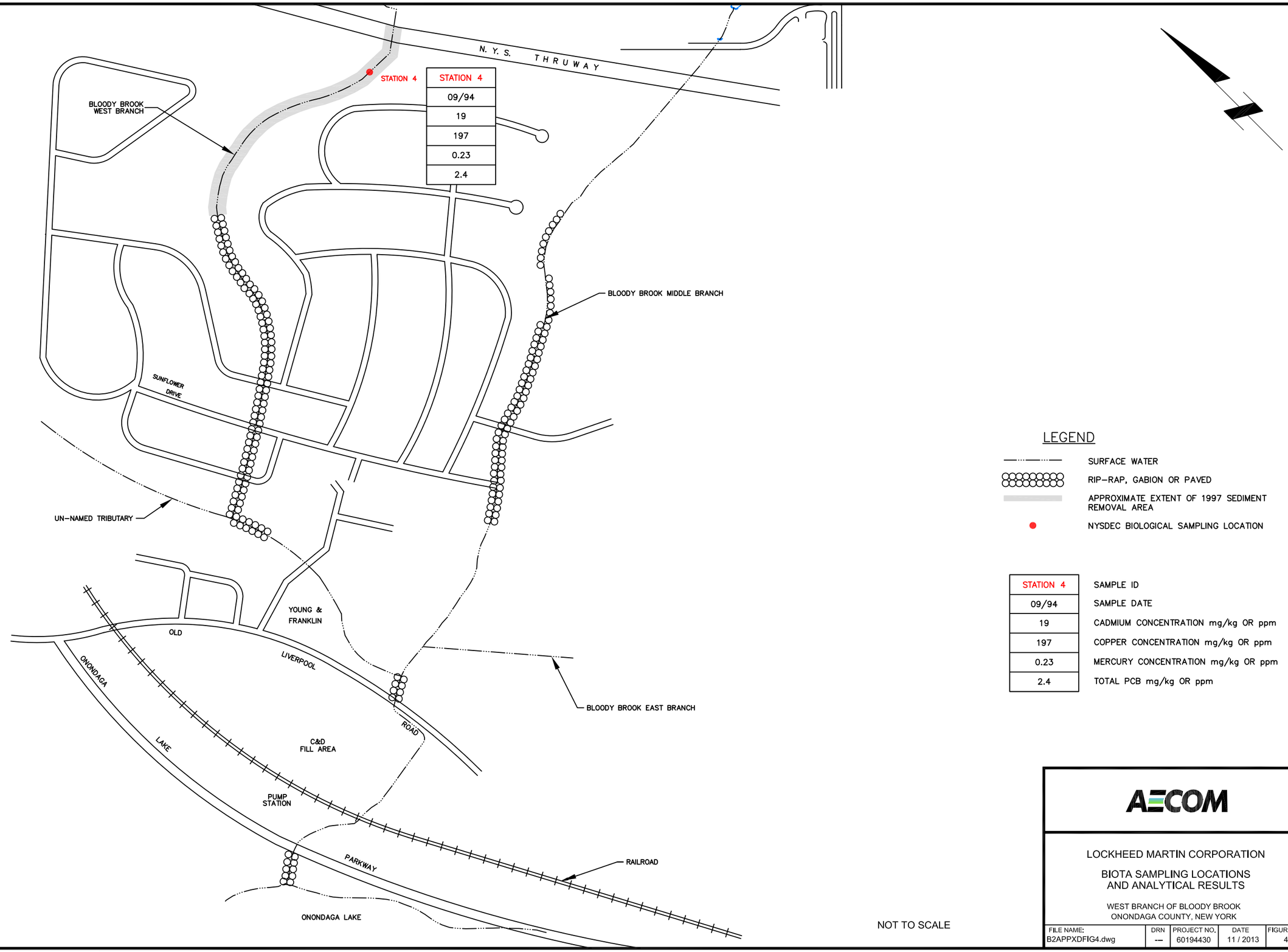
NON-SOIL SAMPLE LOCATION MAP

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
B1APPXDFIG3.dwg	---	60194430	11 / 2013	3

Plotted By: bookser
Layout-Sheet Name: 11X17
Plot File Date Created: Nov/22/2013 12:51 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\B1APPXDFIG3.DWG



STATION 4	
09/94	SAMPLE DATE
19	CADMIUM CONCENTRATION mg/kg OR ppm
197	COPPER CONCENTRATION mg/kg OR ppm
0.23	MERCURY CONCENTRATION mg/kg OR ppm
2.4	TOTAL PCB mg/kg OR ppm

AECOM

LOCKHEED MARTIN CORPORATION

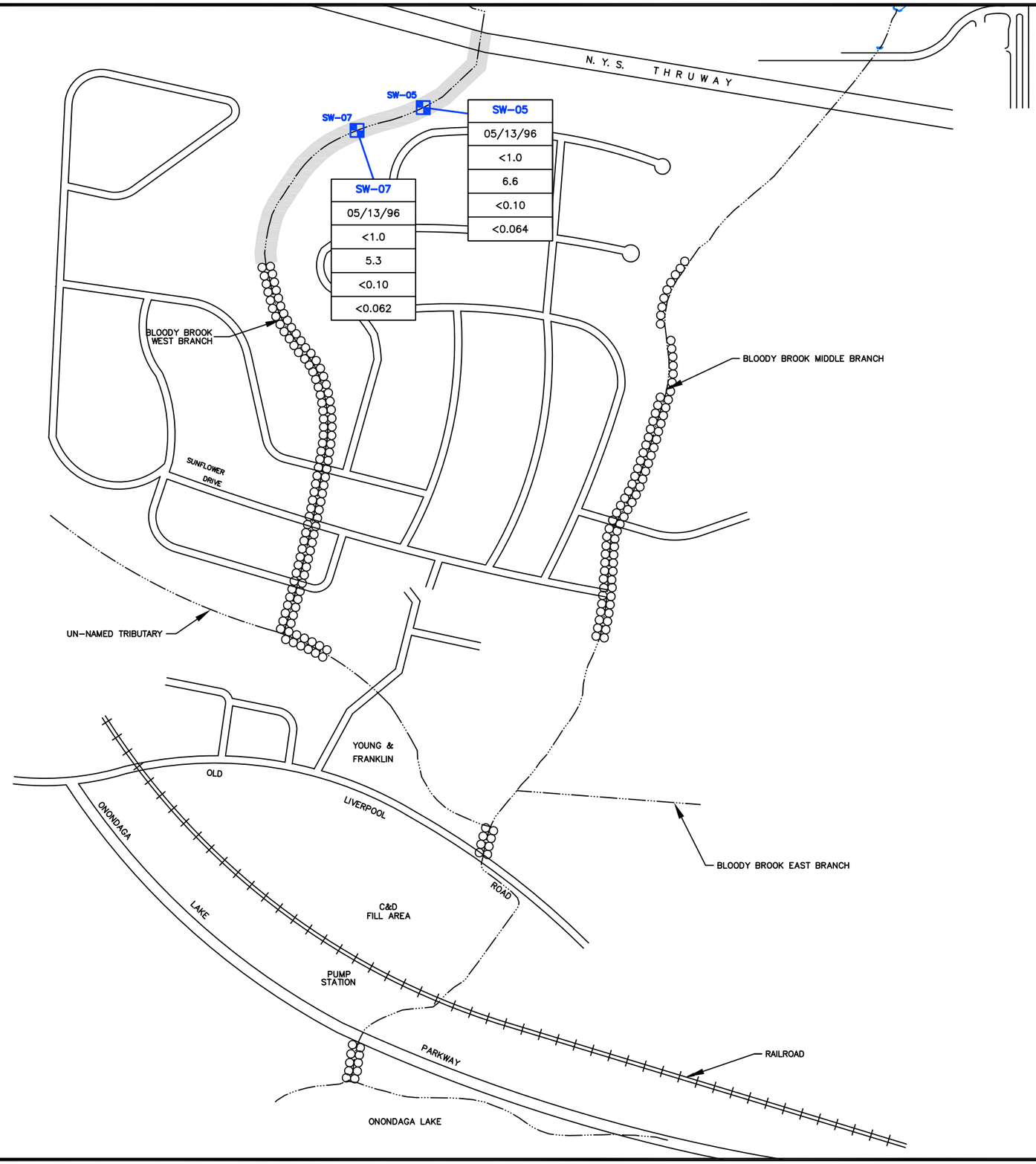
BIOTA SAMPLING LOCATIONS AND ANALYTICAL RESULTS

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
B2APPXDFIG4.dwg	---	60194430	11 / 2013	4

Plotted By: bookasr
Layout-Sheet Name: 11X17
Plot File Date Created: Nov/22/2013 12:55 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\B2APPXDFIG4.DWG



LEGEND

—·—·—	SURFACE WATER
	RIP-RAP, GABION OR PAVED
	APPROXIMATE EXTENT OF 1997 SEDIMENT REMOVAL AREA
	PHASE I SURFACE WATER SAMPLING LOCATION

SW-05	SAMPLE ID
05/13/96	SAMPLE DATE
<1.0	CADMIUM CONCENTRATION mg/kg OR ppm
6.6	COPPER CONCENTRATION mg/kg OR ppm
<0.10	MERCURY CONCENTRATION mg/kg OR ppm
<0.064	TOTAL PCB mg/kg OR ppm

NOT TO SCALE

AECOM

LOCKHEED MARTIN CORPORATION

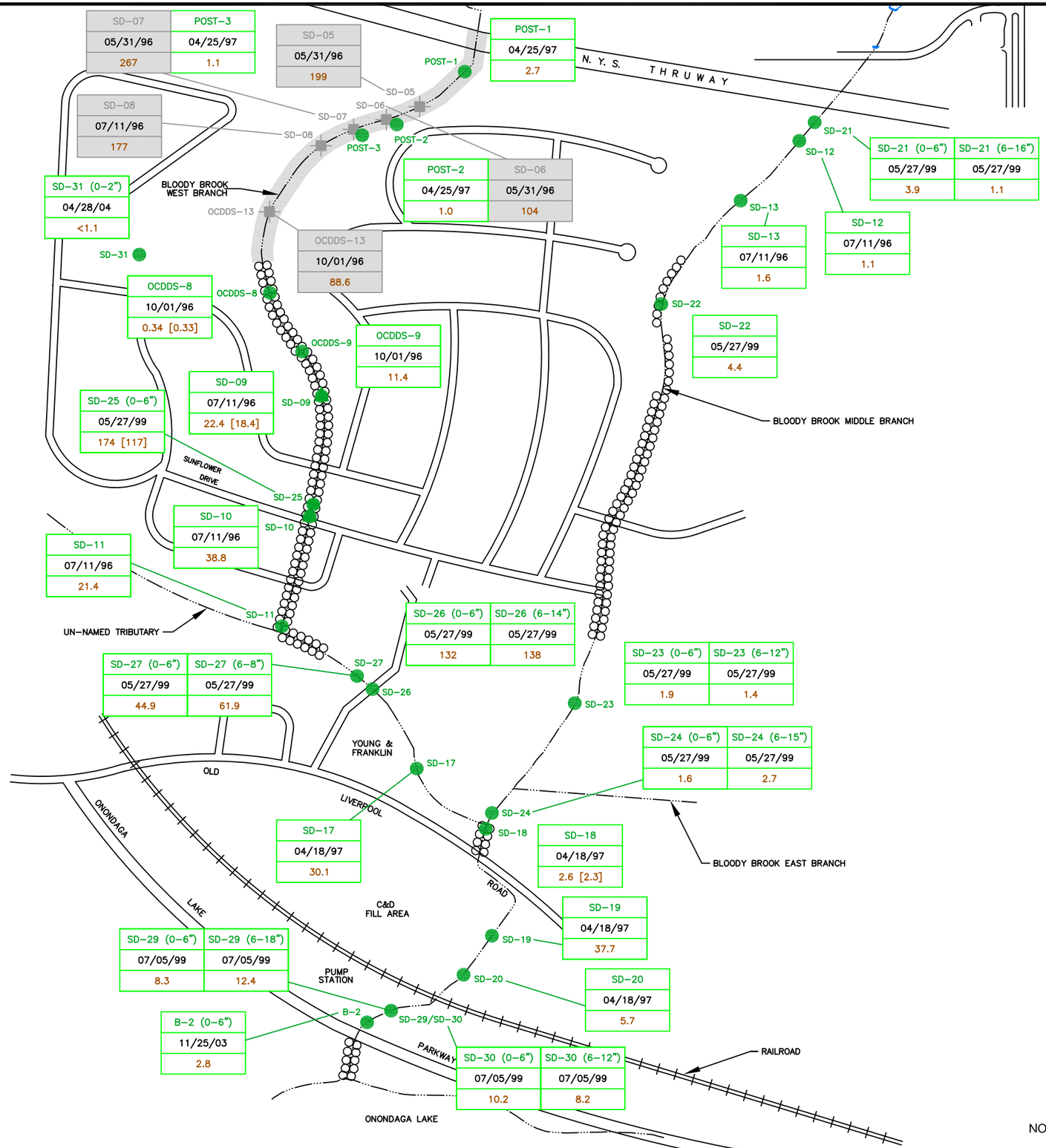
SURFACE WATER SAMPLING LOCATIONS AND ANALYTICAL RESULTS

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
B3APPXDFIG5.dwg	---	60194430	11 / 2013	5

Plotted By: bookasr
Layout-Sheet Name: 11X17
Plot File Date Created: Nov/22/2013 12:54 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\B3APPXDFIG5.DWG



LEGEND

- SURFACE WATER
- RIP-RAP, GABION OR PAVED
- APPROXIMATE EXTENT OF 1997 SEDIMENT REMOVAL AREA
- SEDIMENT SAMPLING LOCATION
- LOCATION OF SAMPLE COLLECTED PRIOR TO 1997 SEDIMENT REMOVAL

SD-18	SAMPLE ID
04/18/97	SAMPLE DATE
2.6 [2.3]	CADMIUM CONCENTRATION mg/kg OR ppm
[2.3]	INDICATES ANALYTICAL RESULT FROM CORRESPONDING DUPLICATE SAMPLE

NOTE

1. SHADING OF DATA BOX INDICATES THAT THE SAMPLE WAS COLLECTED PRIOR TO 1997 SEDIMENT REMOVAL.

NOT TO SCALE

AECOM

LOCKHEED MARTIN CORPORATION

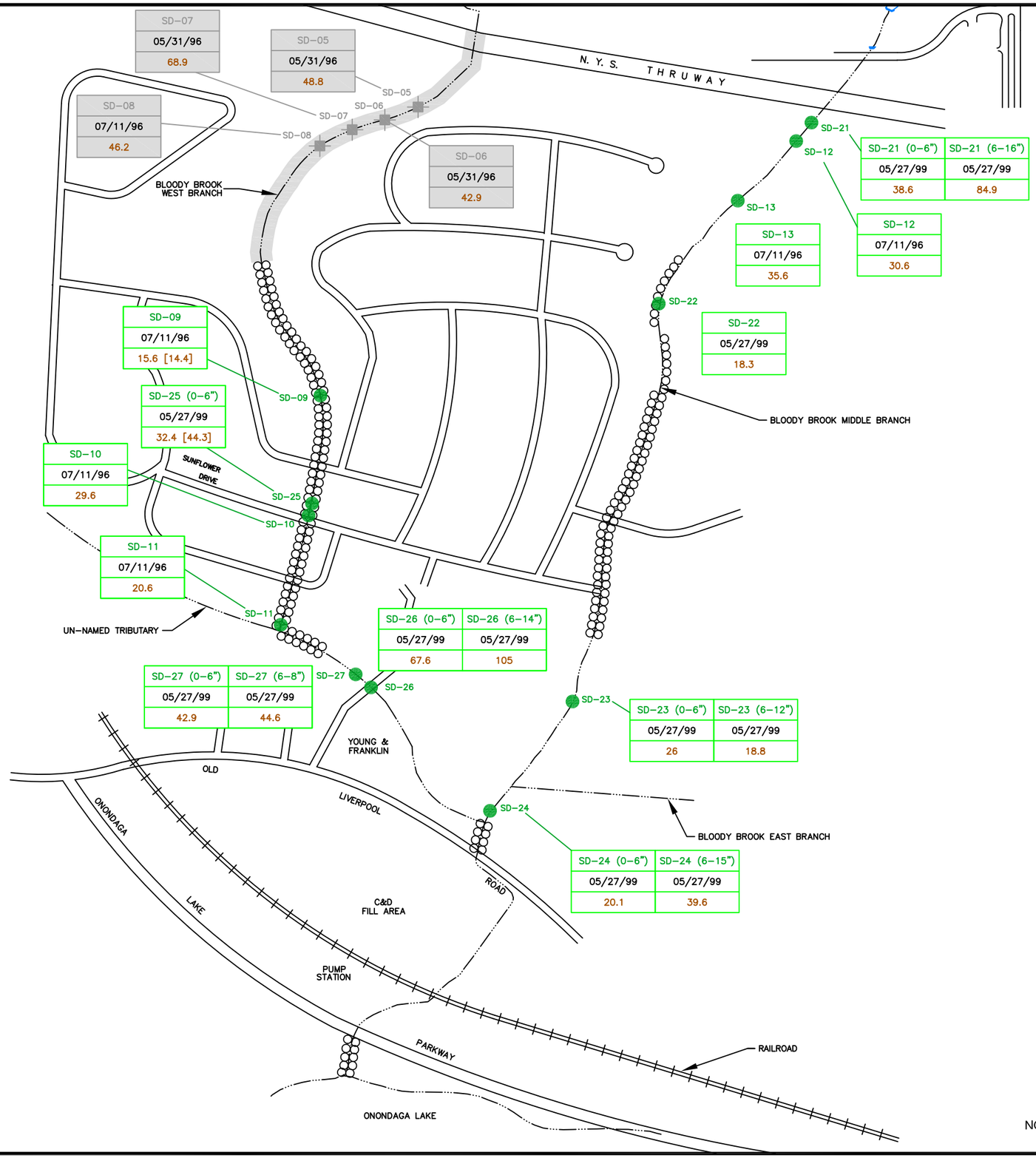
CADMIUM SEDIMENT SAMPLING LOCATIONS AND ANALYTICAL RESULTS

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
B4APPXDFIG6.dwg	---	60194430	11 / 2013	6

Plotted By: bookasr
Layout-Sheet Name: 11X17
Plot File Date Created: Nov/22/2013 12:54 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\B4APPXDFIG6.DWG



LEGEND

	SURFACE WATER
	RIP-RAP, GABION OR PAVED
	APPROXIMATE EXTENT OF 1997 SEDIMENT REMOVAL AREA
	SEDIMENT SAMPLING LOCATION
	LOCATION OF SAMPLE COLLECTED PRIOR TO 1997 SEDIMENT REMOVAL

SD-10	SAMPLE ID
07/11/96	SAMPLE DATE
29.6	COPPER CONCENTRATION mg/kg OR ppm
[14.4]	INDICATES ANALYTICAL RESULT FROM CORRESPONDING DUPLICATE SAMPLE

NOTE

1. SHADING OF DATA BOX INDICATES THAT THE SAMPLE WAS COLLECTED PRIOR TO 1997 SEDIMENT REMOVAL.

NOT TO SCALE

AECOM

LOCKHEED MARTIN CORPORATION

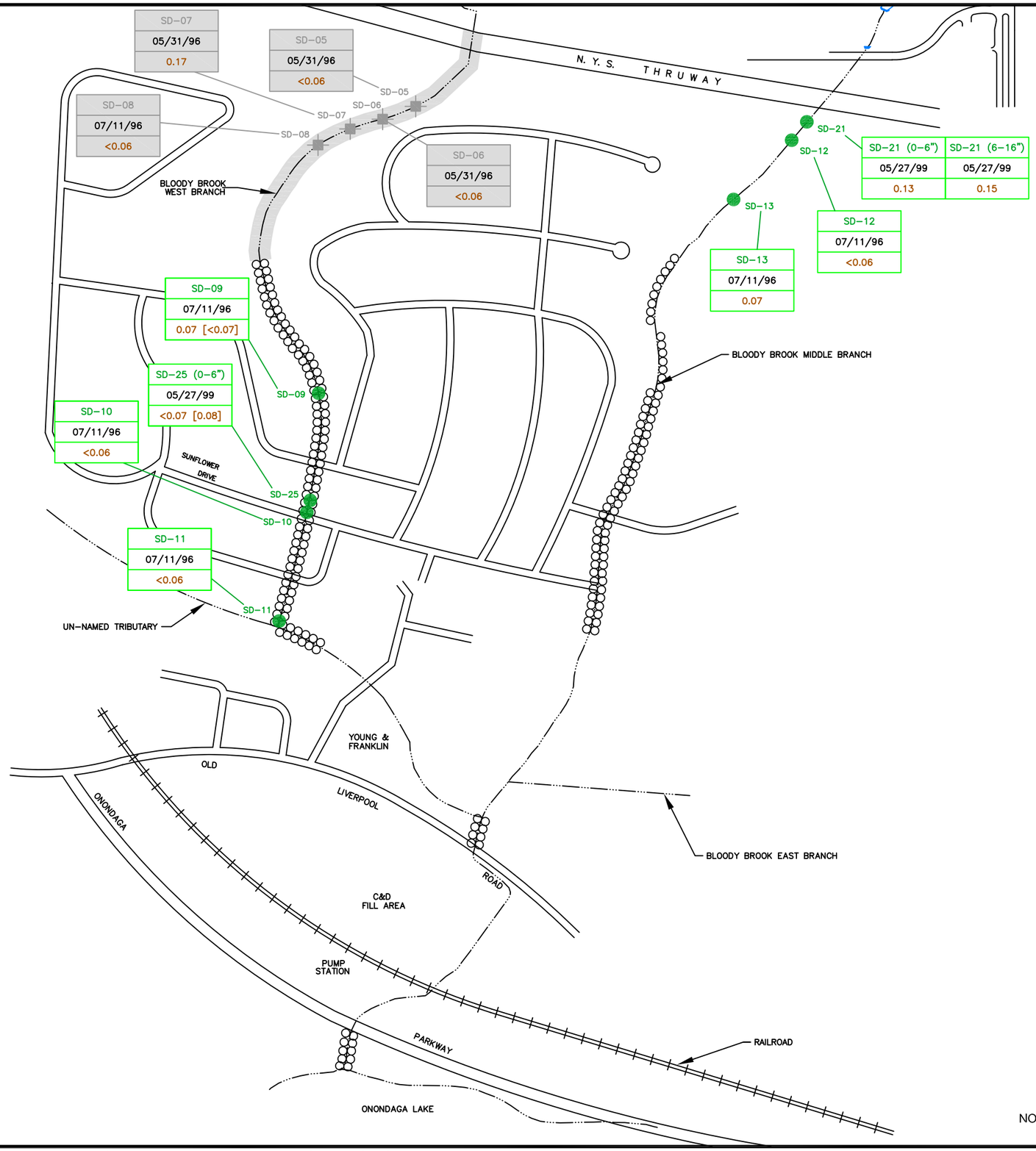
COPPER SEDIMENT SAMPLING LOCATIONS AND ANALYTICAL RESULTS

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
B5APPXDFIG7.dwg	--	60194430	11 / 2013	7

Plotted By: bookasr
Layout-Sheet Name: 11X17
Plot File Date Created: Nov/22/2013 12:53 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\B5APPXDFIG7.DWG



LEGEND

—·—·—	SURFACE WATER
	RIP-RAP, GABION OR PAVED
	APPROXIMATE EXTENT OF 1997 SEDIMENT REMOVAL AREA
●	SEDIMENT SAMPLING LOCATION
✚	LOCATION OF SAMPLE COLLECTED PRIOR TO 1997 SEDIMENT REMOVAL

SD-10	SAMPLE ID
07/11/96	SAMPLE DATE
<0.06	MERCURY CONCENTRATION mg/kg OR ppm
[<0.07]	INDICATES ANALYTICAL RESULT FROM CORRESPONDING DUPLICATE SAMPLE

NOTE

1. SHADING OF DATA BOX INDICATES THAT THE SAMPLE WAS COLLECTED PRIOR TO 1997 SEDIMENT REMOVAL.

NOT TO SCALE

AECOM

LOCKHEED MARTIN CORPORATION

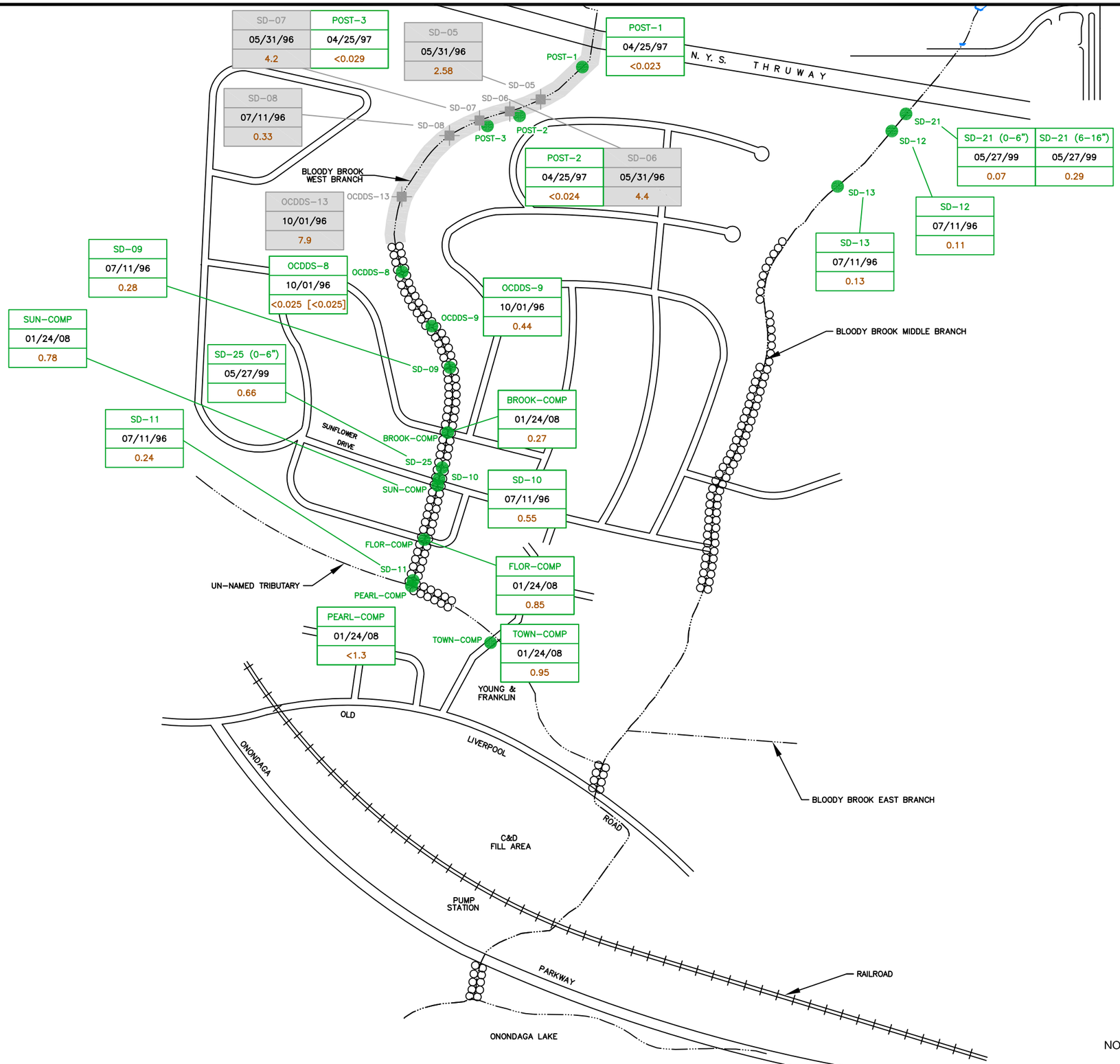
MERCURY SEDIMENT SAMPLING LOCATIONS AND ANALYTICAL RESULTS

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
B6APPXDFIG8.dwg	--	60194430	11 / 2013	8

Plotted By: bookasr
Layout-Sheet Name: 11X17
Plot File Date Created: Nov/22/2013 12:53 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\B6APPXDFIG8.DWG



LEGEND

	SURFACE WATER
	RIP-RAP, GABION OR PAVED
	APPROXIMATE EXTENT OF 1997 SEDIMENT REMOVAL AREA
	SEDIMENT SAMPLING LOCATION
	LOCATION OF SAMPLE COLLECTED PRIOR TO 1997 SEDIMENT REMOVAL

SD-10	SAMPLE ID
07/11/96	SAMPLE DATE
0.55	TOTAL PCB CONCENTRATION mg/kg OR ppm
[<0.025]	INDICATES ANALYTICAL RESULT FROM CORRESPONDING DUPLICATE SAMPLE

NOTE

1. SHADING OF DATA BOX INDICATES THAT THE SAMPLE WAS COLLECTED PRIOR TO 1997 SEDIMENT REMOVAL.

NOT TO SCALE

AECOM

LOCKHEED MARTIN CORPORATION

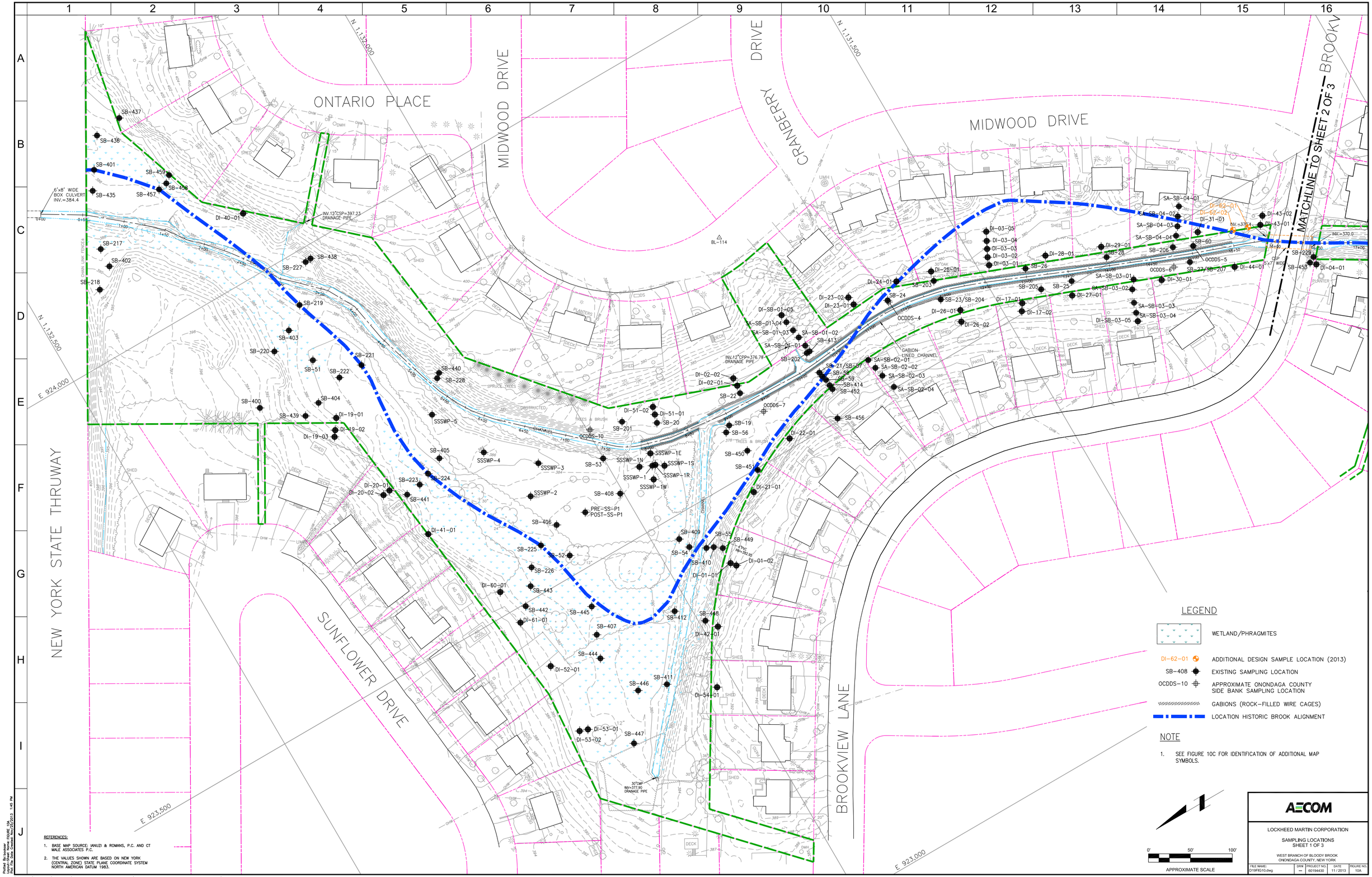
TOTAL PCB SEDIMENT SAMPLING LOCATIONS AND ANALYTICAL RESULTS

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
B7APPXDFIG9.dwg	---	60194430	11 / 2013	9

Plotted By: bookasr
Layout-Sheet Name: 11X17
Plot File Date Created: Nov/22/2013 12:52 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\B7APPXDFIG9.DWG

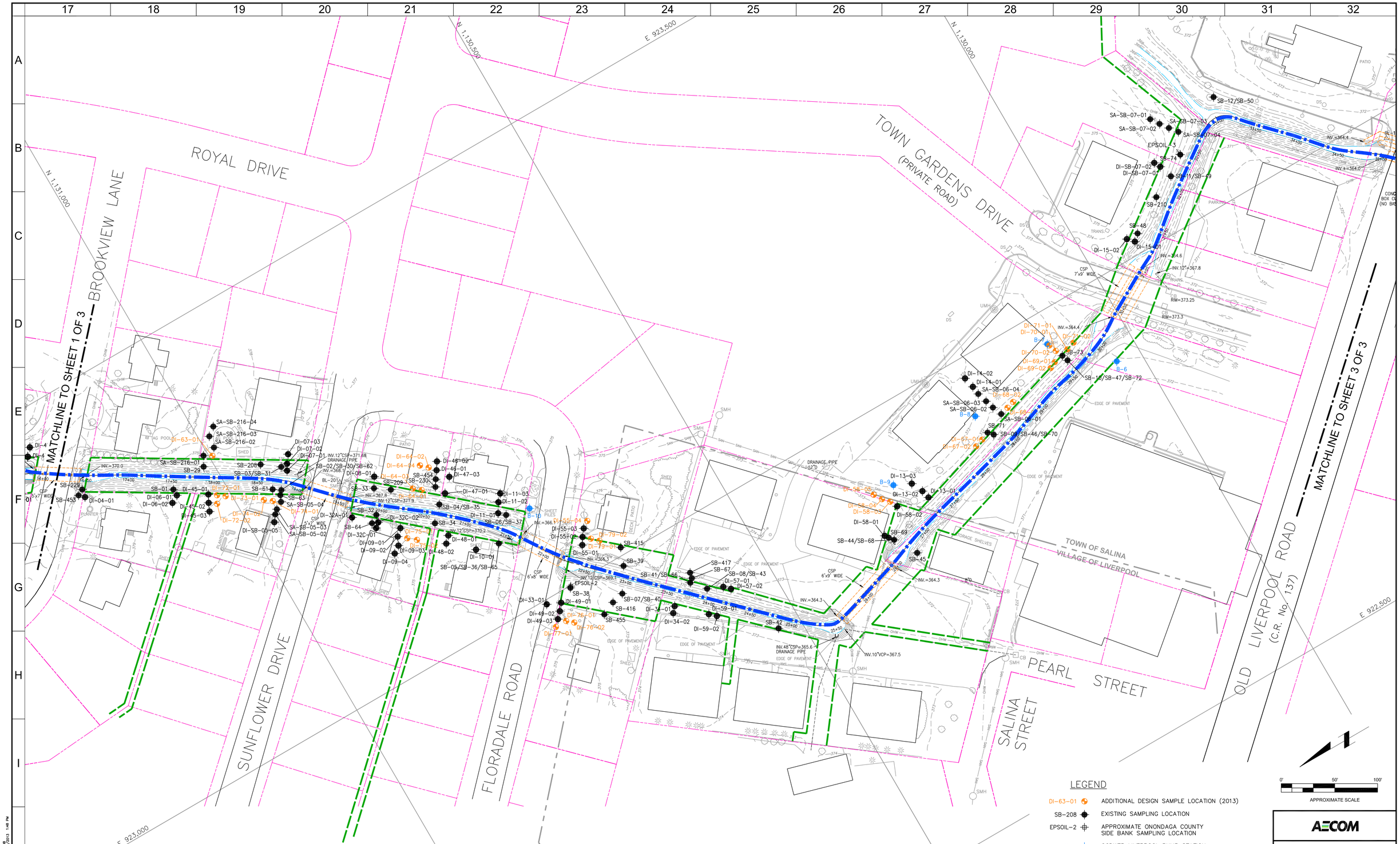


REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

Plotted By:bowser
Plot Scale: 1:1 PAPERSIZE: 12x
Plot File Date: Created: Nov 22/2013 1:45 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\D19FIG10.DWG



REFERENCES:

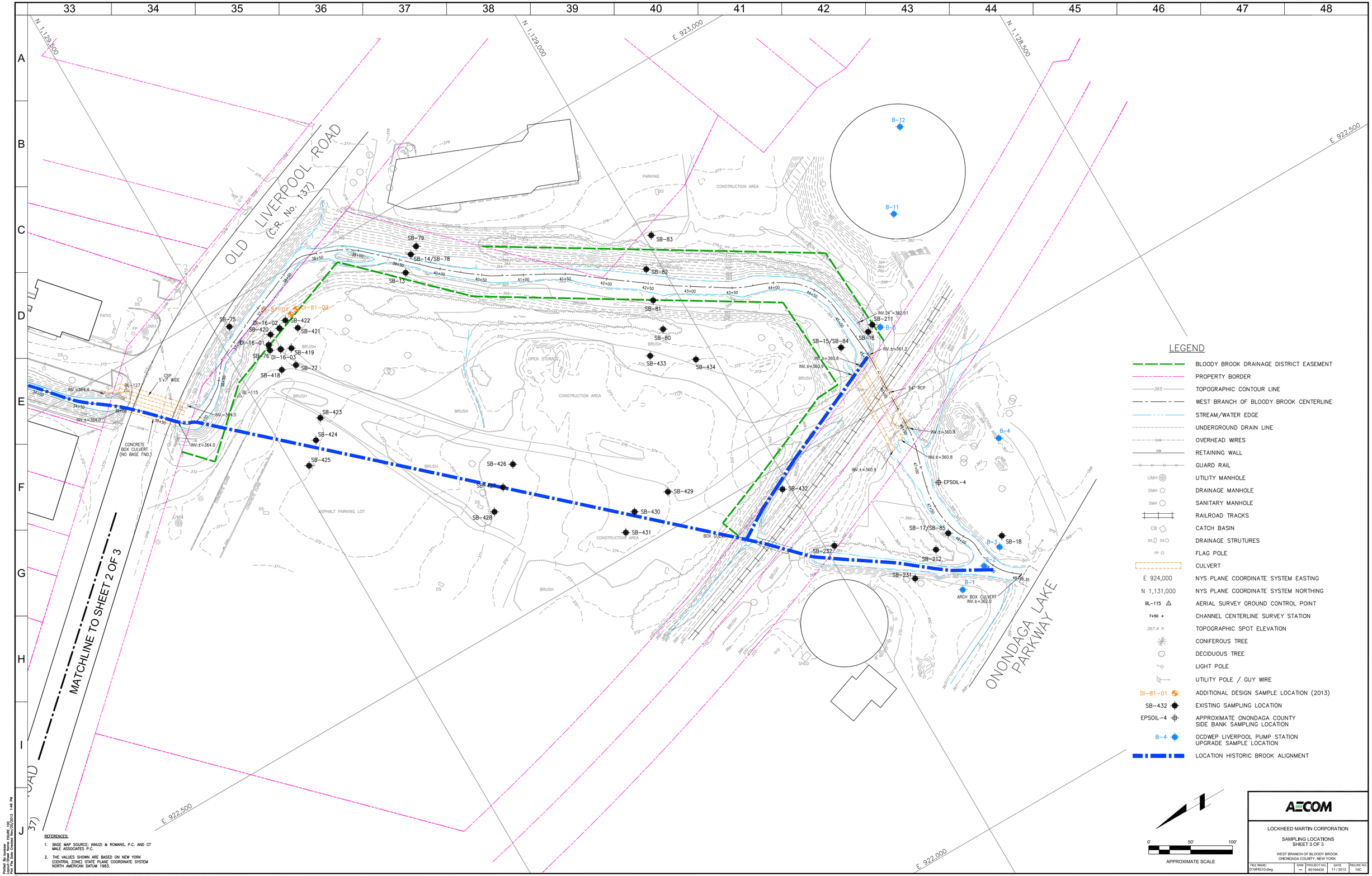
1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

NOTE

1. SEE FIGURE 10C FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.

Plotted By:kostner
Layout Name: FIGURE 10B
Plot File Date Created: Nov/22/2013 1:48 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\D19FIG10.DWG



LEGEND

- BLOODY BROOK DRAINAGE DISTRICT EASEMENT
- PROPERTY BORDER
- TOPOGRAPHIC CONTOUR LINE
- WEST BRANCH OF BLOODY BROOK CENTERLINE
- STREAM/WATER EDGE
- UNDERGROUND DRAIN LINE
- OVERHEAD WIRES
- RETAINING WALL
- GUARD RAIL
- UMH — UTILITY MANHOLE
- DMH — DRAINAGE MANHOLE
- SMH — SANITARY MANHOLE
- RAILROAD TRACKS
- CB — CATCH BASIN
- DS — DRAINAGE STRUTURES
- FP — FLAG POLE
- CULVERT
- E 924,000 — NYS PLANE COORDINATE SYSTEM EASTING
- N 1,131,000 — NYS PLANE COORDINATE SYSTEM NORTHING
- BL-115 — AERIAL SURVEY GROUND CONTROL POINT
- 7+50 — CHANNEL CENTERLINE SURVEY STATION
- 367.4 — TOPOGRAPHIC SPOT ELEVATION
- CONIFEROUS TREE
- DECIDUOUS TREE
- LIGHT POLE
- UTILITY POLE / GUY WIRE
- DI-81-01 — ADDITIONAL DESIGN SAMPLE LOCATION (2013)
- SB-432 — EXISTING SAMPLING LOCATION
- EPSOIL-4 — APPROXIMATE ONONDAGA COUNTY SIDE BANK SAMPLING LOCATION
- B-4 — OCDWEP LIVERPOOL PUMP STATION UPGRADE SAMPLE LOCATION
- LOCATION HISTORIC BROOK ALIGNMENT

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

0' 50' 100'

APPROXIMATE SCALE

AECOM

LOCKHEED MARTIN CORPORATION

SAMPLING LOCATIONS
SHEET 3 OF 3

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
D19FIG10.dwg	--	60194430	11/2013	10C

Plotted By: bookster
Layout Name: FIGURE 10C
Rev. Fig. Date Created: Nov.25/2013 1:48 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\OLD CAD FILES MOVED TO LATHAM SERVER 11-2013\D19FIG10.DWG