DRAFT
REMEDIAL INVESTIGATION REPORT

LOWER LEY CREEK SUBSITE OF THE ONONDAGA LAKE SUPERFUND SITE
SYRACUSE, NEW YORK

EPA Contract No.: EP-W-10-007
Work Assignment Number: 007-RICO-024Q

Prepared for:

U.S. Environmental Protection Agency Region 2
290 Broadway
New York, New York 10007

March 2013

Los Alamos Technical Associates, Inc.

HydroGeoLogic, Inc

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LIST OF ACRONYMS AND ABBREVIATIONS

AE	assessment endpoints
ARAR	applicable or relevant and appropriate requirements
BERA	baseline ecological risk assessment
bgs	below ground surface
BNA	base/neutral/acid organic compounds
bwsi	below the water-sediment interface
CHA	Clough, Harbour & Associates
CLP	Contract Laboratory Program
COPC	chemicals of potential concern
CTE	central tendency exposure
4,4′-DDE	4,4′-Dichlorodiphenyldichloroethylene
4,4′-DDD	4,4′-Dichlorodiphenyldichloroethane
4,4′-DDT	4,4′-Dichlorodiphenyltrichloroethane
DESA	Division of Environmental Science and Assessment
EA	EA Science and Technology
EPA	U.S. Environmental Protection Agency
ERT	Environmental Response Team
°F	degrees Fahrenheit
FS	feasibility study
ft	feet
GM	General Motors
GPS	Global Positioning System
HGL	HydroGeoLogic, Inc.
HHRA	human health risk assessment
HI	hazard index
HpCDD	heptachlorodibenzo-p-dioxin
HQ	hazard quotient
IFG	Inland Fisher Guide
LATA	Los Alamos Technical Associates, Inc.
LOAEL	lowest observed adverse effect level
m	meter
mg/kg	milligrams per kilogram
NYCRR	New York Codes, Rules and Regulations
NOAA	National Oceanic and Atmospheric Administration
NOAEL	no observed adverse effect level

NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
%	percent
PAH	polyaromatic hydrocarbons
PCB	polychlorinated biphenyls
ppm	parts per million
PRG	preliminary remediation goal
RAO	remedial action objectives
RI	remedial investigation
RME	reasonable maximum exposure
ROD	Record of Decision
RSL	regional screening levels
SERAS	Scientific, Engineering, and Analytical Services
SEL	Severe Effect Levels
Site	Lower Ley Creek Subsite of the Onondaga Lake Superfund Site
SLERA	screening level ecological risk assessment
SOW	Scope of Work
SVOC	semi-volatile organic compounds
TAL	Target Analyte List
TCL	Target Compound List
TEC	total equivalent concentrations
TOC	Total Organic Carbon
TSCA	Toxic Substances Control Act
µg/kg	micrograms per kilogram
VOC	volatile organic compounds
VSP	Visual Sampling Plan
W	watt
WA	work assignment

EXECUTIVE SUMMARY

This Remedial Investigation/Feasibility Study (RI/FS) for Lower Ley Creek Subsite of the Onondaga Lake Superfund Site (the Site) is being performed under U.S. Environmental Protection Agency (EPA) RAC2 Contract Number EP-W-10-007 (Work Assignment Number 007-RICO-024Q) with Los Alamos Technical Associates, Inc. (LATA). HydroGeoLogic, Inc. (HGL) is a Team Subcontractor to LATA on this contract and has the lead technical role for this Work Assignment (WA). The purpose of this WA is to complete a RI/FS for the Site including selecting a remedy to eliminate, reduce, or control risks to human health and the environment. The goal is to use existing data to support the selection of an approach for site remediation and then use the resulting data in support of a Record of Decision (ROD). The purpose of this RI Report is to describe the characteristics of the Site, identify the key contaminants, estimate the extent of contamination, and develop remedial action objectives for the Feasibility Study.

During the most recent investigation (concluded in 2012), the Scientific, Engineering, and Analytical Services (SERAS)/Environmental Response Team (ERT) collected fish tissue samples, surface water samples, soil samples, and sediment samples to characterize the nature and extent of contamination at the Site.

Metals, organic compounds, polychlorinated biphenyls (PCB), and dioxins/furans were detected in the fish tissue samples. Ecological risks exist from concentrations of dioxins and PCBs in the fish tissue. In addition, human health risks exist from potential consumption of contaminated fish from Lower Ley Creek. The primary human health risk drivers in the fish tissue are PCBs, arsenic, and mercury.

Metals, volatile organic compounds (VOC), and base/neutral/acid organic compounds (BNA) were detected in the surface water samples below New York State Department of Environmental Conservation (NYSDEC) Water Quality Standards. BNAs were detected at or above NYSDEC Water Quality Standards at several surface water sample locations.

Soil samples were collected along the banks and dredged spoils areas adjacent to Lower Ley Creek. Pesticides, metals (including mercury), PCBs, VOCs, and BNAs were detected above NYSDEC soil criteria for unrestricted use. The primary human health risk drivers in soils are PCBs, BNAs, and chromium.

Sediment samples were collected along the 2-mile length of the Lower Ley Creek Subsite. Pesticides, metals (including mercury), PCBs, VOCs, and BNAs were detected above NYSDEC sediment criteria. Metals (particularly cadmium, chromium, and nickel), BNAs, PCBs, and some pesticides in sediment may be an ecological risk to aquatic plants and benthic invertebrates. The primary human health risk drivers in sediment are BNAs. The highest metal, BNA, PCB, and pesticide concentrations in sediment appear to be in the upstream section of the Site, with decreasing concentrations in the downstream section of the Site (towards Onondaga Lake).

The major areas of contamination in soil are present where spoils associated with the dredging of Lower Ley Creek were reportedly deposited, especially on the north and south side of Lower Ley Creek just north of its intersection with 7th North Street. Soil contamination extends over an area

of approximately 2.2 million square feet from the surface to as deep as 60 inches below ground surface (bgs). The major areas of contamination in sediment are the upstream portion of Lower Ley Creek, with decreasing concentrations towards Onondaga Lake. Sediment contamination extends over an area of approximately 640,000 square feet from the top of the water-sediment interface to as deep as 96 inches below the water-sediment interface (bwsi). The contamination in the sediment is likely influencing the contamination also present in fish tissue and surface water samples.

The initial sources of the majority of contamination in Lower Ley Creek were likely the General Motors (GM)-Inland Fisher Guide (IFG) Facility and the Town of Salina Landfill. The distribution of contaminants in the soils and sediments of Lower Ley Creek is fairly random, although there does appear to be generally lower contaminant concentrations in sediments in the downstream section of the Site. Lower contaminant concentrations in the downstream section of Lower Ley Creek may be due its distance from the major initial sources of contamination at the Site (i.e., the GM-IFG Facility and the Salina Landfill). The high levels of sediment contamination in Lower Ley Creek indicate that most contaminants are persistent in the study area and are not being significantly degraded by natural processes. However, the random distribution of sediment contamination in Lower Ley Creek indicates that contaminants are being redistributed within the Site. Therefore, it is likely that contaminants will continue to be released from Lower Ley Creek sediments as sediment redistribution continues. In addition, ongoing discharges to Onondaga Lake via Lower Ley Creek may be transporting PCBs, dioxins/furans, and minor amounts of other contaminants to the lake.

The Human Health Risk Assessment (HHRA) indicates that contact with contaminants in soil and sediment pose a significant risk to human health. Recreational users (both adults and children) and future construction workers are the primary receptor groups. Potential exposure pathways include contact with Lower Ley Creek sediments, soils, and surface water via incidental ingestion and dermal contact, as well as potential consumption of contaminated fish and wildlife. The Baseline Ecological Risk Assessment (BERA) indicates that ecological risks exist at the Site from contaminants in sediments. Ecological risks exist from concentrations of dioxin-like chemicals of potential concern (COPC) in fish tissue and PCB concentrations in sediment, and forage fish pose a risk to piscivorous mammals.

The conclusion of this RI is that there are no data gaps that need to be filled in order for work to proceed on the FS.

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LOWER LEY CREEK SUBSITE OF THE ONONDAGA LAKE SUPERFUND SITE
SYRACUSE, NEW YORK

1.0 INTRODUCTION

This Remedial Investigation/Feasibility Study (RI/FS) for the Lower Ley Creek Subsite of the Onondaga Lake Superfund Site (the Site) is being performed under U.S. Environmental Protection Agency (EPA) RAC2 Contract Number EP-W-10-007 (Work Assignment Number 007-RICO-024Q) with Los Alamos Technical Associates, Inc. (LATA). HydroGeoLogic, Inc. (HGL) is a Team Subcontractor to LATA on this contract and has the lead technical role for this Work Assignment (WA). All worked performed for this WA was conducted in accordance with the approved work plan dated 15 August 2012.

1.1 PURPOSE

The purpose of this RI Report is to describe the characteristics of the Site, identify the key contaminants, estimate the extent of contamination, and develop remedial action objectives for the FS. This report also presents the findings and conclusions of the Human Health and Ecological Risk Assessments and establishes the Remedial Action Objectives (RAO) for the FS.

1.2 SITE BACKGROUND

1.2.1 Site Location and Description

The Site (CERCLIS ID No. NYD986913580) consists of the lower 2 miles of Lower Ley Creek, beginning at and including the Route 11 Bridge (a.k.a. Brewerton Road) and ending downstream at Onondaga Lake (Figure 1.1). Also included is a remnant of the Creek adjacent to the Salina Landfill referred to as “Old Ley Creek Channel”. The Site was listed on the National Priorities List (NPL) on 16 December 1994. The creek passes through the Salina Landfill and under the 7th North Street Bridge and Interstate 81 bridges (Figure 1.2). The banks of the stream channel are near vertical in most areas, and the channel is very well defined. The bottom of the stream is dominated by soft sediment with very little stone or other hard surfaces. Much of the stream is shallow but there are pockets that may be 8-10 feet (ft) deep, particularly downstream of the 7th North Street Bridge. The creek, in general, is narrower and shallower upstream of the 7th North Street Bridge, and wider and deeper downstream of 7th North Street Bridge. The immediate banks of the stream are bordered predominantly by herbaceous vegetation. Some woody shrubs are also mixed in with herbaceous vegetation and sections of the bank are wooded. Beyond the narrow strip of vegetation, the creek is surrounded by manufacturing operations, parking lots, a landfill, and railroad tracks that are parallel to and a short distance from much of the southern bank. The creek trends north and then southwest in the last 500 ft before passing under the railroad tracks where it enters Onondaga Lake. The site is located within the urbanized area of Eastern Syracuse, New York.

1.2.2 Site History

The development of railroads and the Erie Canal System allowed industry and settlement to quickly grow in Eastern Syracuse, New York. Many of these industries were focused around and near Onondaga Lake and included various chemical and pharmaceutical manufacturers among other industries. The industrial nature of this area, as well as the infrastructure and other development, influenced the site and contributed to its current condition.

Assessments have been performed or are currently being performed at a number of potential subsites in the general area to determine whether they contributed to the contamination of Onondaga Lake. The Onondaga Lake Site includes the lake itself, seven major and other minor tributaries, and various upland sources of contamination. The aerial footprint of the lake is approximately 4.5 square miles.

Prior to the early 1970s, poor channel conditions and large impermeable areas in the watershed caused extensive flooding of Ley Creek. These flooding events led to the formation of the Ley Creek Drainage District and the clearing and dredging of Ley Creek. Dredging of Ley Creek was performed by the Onondaga County Department of Drainage and Sanitation. In 1970, the section of the creek between the 7th North Street Bridge and Route 11 was dredged. In 1971, portions of Ley Creek between the 7th North Street Bridge and Onondaga Lake were dredged. In 1975, Ley Creek was dredged from Townline Road (approximately 1.5 miles north of the Site) to Onondaga Lake. In 1983, a section of Ley Creek north of the Site (Townline Road to Route 11) was dredged. Dredged material (i.e., spoils) generated during these dredging activities was placed along the banks of Ley Creek.

There are several properties that are known to be either contributors or potential contributors of contaminants to Ley Creek. These include: the General Motors (GM) Former Inland Fisher Guide (IFG) Facility and Ley Creek Deferred Media Site; the GM Ley Creek Dredging Site; the Town of Salina Landfill (which surrounds Lower Ley Creek just downstream of Route 11/Brewerton Road); and the GM - Old Ley Creek Channel Site. The GM-IFG Facility, the Ley Creek Deferred Media Site, and the GM Ley Creek Dredging Site are located upstream of this Site.

The Town of Salina Landfill is shown in Figure 1.2. A Record of Decision (ROD) for the Salina Landfill was signed in 2007. The ROD includes plans for the installation of a 6 New York Codes, Rules and Regulations (NYCRR) Part 360 cap, installation of storm water collection and drainage improvements, and installation of a groundwater/leachate collection trench to the north and south of Lower Ley Creek.

1.2.3 Previous Investigations

1.2.3.1 <u>Ley Creek Investigations</u>

The New York State Department of Environmental Conservation (NYSDEC) and the Onondaga County Department of Health collected three soil samples adjacent to the north bank of Ley Creek along the Salina Landfill and four surface water samples from the same stretch of Ley Creek and drainage ditches north and east of the landfill in 1986. Polychlorinated biphenyls

(PCB) were detected in the soil samples collected adjacent to Ley Creek. In 1987, NUS Corporation collected five soil samples from the main fill area north of Ley Creek, and three surface water and three sediment samples from Ley Creek. These samples consisted of one surface water and one sediment sample from an upstream location in Ley Creek (west of Route 11), one surface water and one sediment sample alongside the landfill, and one surface water and one sediment sample just downstream of the landfill in Ley Creek. The soil samples contained polyaromatic hydrocarbon compounds (PAH), metals, volatile organic compounds (VOC) and pesticides in low levels, but no PCBs. In general, surface water and sediment samples collected downstream from the landfill did not contain higher concentrations of contaminants than the samples collected upstream of the landfill.

Limited NYSDEC sampling in 1987 and 1997 indicated the presence of PCBs at hazardous waste levels in both the former channel sediments and subsurface soils. In addition, the 1997 former channel sediment sampling showed levels of heavy metals exceeding the NYSDEC Fish & Wildlife Severe Effect Levels (SEL). Ley Creek channel sediments were sampled in 1998 as part of the Salina Landfill RI/FS, and were found to contain levels of PCBs at greater than 80 parts per million (ppm), chromium at levels greater than 1,700 ppm, and other heavy metals exceeding their respective SELs.

1.2.3.2 Old Ley Creek Channel Investigation

In 2010, the NYSDEC tasked EA Engineering, P.C., and its affiliate EA Science and Technology (EA), to perform an RI and FS at the Old Ley Creek Channel Site (EA, 2010). The Old Ley Creek Channel site is located west of the intersection of Factory Avenue and Wolf Street (State Route 11) in the town of Salina, Onondaga County, New York. The approximately 3.5-acre site is within an overgrown and wooded area adjacent to the banks of the Old Ley Creek Channel between Route 11 and Ley Creek (Figure 1.2).

The Old Ley Creek Channel site is approximately 1,350 ft in length and flows from northeast to southwest draining to Ley Creek. The Town of Salina Landfill is located west and northwest of the Old Ley Creek Channel site. The landfill began operations in the 1950s and continued receiving waste into the 1980s (NYSDEC, 2009). During its operation, the landfill received domestic, commercial, and industrial wastes. Hazardous waste, including 640 tons of paint sludge, and 22 tons of waste paint thinner and reducer from GM's IFG Division were disposed of at the landfill. Closure via a soil cover cap was completed in 1982. During the early 1970s, in an effort to limit flooding in the area, Onondaga County re-routed Ley Creek through the landfill area (NYSDEC, 2009). The re-routing of the creek adjacent to Route 11 separated a fragment of the landfill between the new course of Ley Creek and the Old Ley Creek Channel.

The 2010 RI of the Old Ley Creek Channel documented that:

- VOCs, semi-volatile organic compounds (SVOC), metals, pesticides, and PCBs were detected in groundwater but exhibited limited impact.
- PCBs were present in surface water during two of the sampling rounds at concentrations greater than the surface water guidelines.

- PCBs were present in soils from the surface to several ft below grade with the highest concentrations being within the first 2 ft.
- PCBs were present in sediment from the surface to 2 ft below grade.

Based on the results of the RI, several factors have resulted in impacts to environmental media at the Old Ley Creek Channel site. Historical land-filling activities from the 1950s through the 1970s at the Town of Salina Landfill are one of the potential sources of impacts to the area. Soil, groundwater, surface water, and sediment have been impacted by PCBs, heavy metals, and organic compounds. The analytical results collected during completion of the RI also confirmed that soil, surface water, groundwater, and sediment have been impacted by the migration of contaminants to the site from upstream sources.

1.2.4 Current Activities at the Former Salina Landfill

During a site visit in October 2012, the former Salina Landfill was in the process of being capped. Work was being led by Clough, Harbour & Associates (CHA) under the direction of the NYSDEC. On the south side of Lower Ley Creek, contaminated soil/sediment containing more than 500 ppm of PCBs were removed. The excavated material was placed on the north side of Lower Ley Creek and capped along with the landfill material on the north side of the creek. In summary, the south side of Lower Ley Creek was excavated from Route 11/Brewerton Road to about 1,200 ft downstream (where Old Ley Creek enters Lower Ley Creek). The landfill material on the north side of Lower Ley Creek will be capped from Route 11/Brewerton Road to about 2,000 ft downstream (just east of the transfer station).

1.3 REPORT ORGANIZATION

This RI Report is organized as follows:

- Section 1 - Introduction;
- Section 2 - Study Area Investigation;
- Section 3 - Physical Characteristics of the Study Area;
- Section 4 - Nature and Extent of Contamination;
- Section 5 - Major Contaminant Overview;
- Section 6 - Contaminant Fate and Transport;
- Section 7 - Risk Assessment;
- Section 8 - Summary;
- Section 9 - Conclusions; and
- Section 10 - References.

This report also includes the following appendices:

- Appendix A - Sediment and Soil Logs;
- Appendix B - Toxicity Test Results;

- Appendix C - Region 2 EPA Electronic Data Deliverables;
- Appendix D - Database of Results;
- Appendix E - Human Health Risk Assessment (HHRA); and
- Appendix F - Baseline Ecological Risk Assessment (BERA).

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2.0 STUDY AREA INVESTIGATION

Lockheed Martin Scientific Engineering Response and Analytical Services (SERAS) personnel, under the guidance of EPA's Environmental Response Team (ERT), conducted several fish, sediment, soil, and water sampling events in the Lower Ley Creek Subsite. The results of this sampling effort, which occurred from November 2009 until October 2011, were published in January 2012 as the *Field Activities Summary Report, Lower Ley Creek Superfund Site* (SERAS, 2012). The SERAS/ERT investigation is the most recent and comprehensive work conducted at the Site. Although data from the previous investigations will be discussed and considered in this RI Report, the results of the SERAS/ERT investigation will be the focus of this RI Report.

The SERAS/ERT field work began in November 2009 and continued through October 2011. Sediment, spoils (i.e., soils), water, and fish were sampled from Lower Ley Creek. Sediment data from the November 2009 event demonstrated that the depth of sediment contaminants observed was undetermined. Therefore, additional sediment sampling occurred, at selected locations, in May 2010 to better understand and define the depth of the contaminants in the creek sediment. The sediment sampling in May 2010 included a swale area (a potential runoff contributor to Lower Ley Creek). Elevated levels of PCBs were found in the northern edge of this swale in May 2010, and additional sampling of the swale area occurred in August 2010 to better define the boundary and depth of contaminants within the swale area. This area contains multiple swales. A final sampling event was performed in September/October 2011 to investigate the presence and distribution of contaminants along the banks of Ley Creek where dredge spoils may have been deposited. The sediment and soil logs associated with solid media sampling are included in Appendix A.

2.1 SERAS/ERT SAMPLING LOCATION DETERMINATION

As stated in the SERAS/ERT report, PCBs and other contaminants have been historically found upstream of the Site, and the creek passes through a landfill within the boundaries of the investigation. In addition, the area surrounding the Site and upstream of the Site is urbanized and may currently receive or historically had received contaminants from various sources. The primary purpose of the SERAS/ERT sampling was to detect contaminated areas with a specified probability.

The SERAS/ERT Investigation utilized a statistically-based method of determining potential hotspots within the streambed sediment to better characterize the presence, nature, and extent of contaminants in Lower Ley Creek. A Visual Sampling Plan (VSP) was selected for sediment sampling. For the VSP, Lower Ley Creek was broken into three reaches based on physical and known chemical characteristics. The iteration selected was run looking for a 200 ft diameter circular hotspot with 95 percent (%) confidence and resulted in 30 sample locations. In addition to the 30 sampling locations, there was an option of selecting additional locations in the field to fill in data gaps and examine locations in the field of interest such as sediment depositional areas. A more detailed explanation of the SERAS/ERT sampling plan can be found in the *Field Activities Summary Report, Lower Ley Creek Superfund Site* (SERAS, 2012).

2.2 FIELD ACTIVITIES

The sampling of stream biota (fish and crayfish) occurred on 09 and 10 November 2009. Sediment and water sampling within Ley Creek occurred during the week of 16 November 2009. Additional sampling of deep sediments and along the swale occurred in May 2010. An expanded swale sampling event occurred in August 2010. The final field effort commenced on 26 September 2011, to examine the extent of contamination in soils bordering Ley Creek where dredge spoils may have been deposited historically. At the same time additional sediment sampling occurred within Ley Creek close to Brewerton Road to better define depth of contamination of sediment within the stream channel, which had been sampled during the May 2010 sampling event. Three sediment cores were collected from this section of stream channel.

2.2.1 Fish Sampling – November 2009

SERAS/ERT personnel assisted with netting the fish. A standard electrofishing barge, Smith-Root model SR-12, equipped with a 5,000 watt (W) generator and two 1 meter (m) diameter umbrella anode arrays was utilized in the relatively deeper, downstream section of Lower Ley Creek from the 7th North Street Bridge to Lake Onondaga. A smaller, standard electrofishing tote barge, Smith-Root model SR-6, equipped with a 2,500-W generator and one 11 inch diameter ring anode array attached to a six foot pole was used in the relatively shallower upper section of Lower Ley Creek between Rt. 11 (Brewerton Road) and the 7th North Street Bridge. In addition, SERAS/ERT personnel set out Frabill crayfish traps baited with canned cat food at select locations along Lower Ley Creek. Fish were netted and placed in either a livewell on the larger boat or large cooler containing river water in the smaller barge. Fish sampling occurred the afternoon of 09 November 2009, and the morning of 10 November 2009. At the end of each day, selected fish were packed on ice and placed in coolers. On 10 November 2009, the fish were brought back to SERAS/ERT facilities where they were frozen at -10 degrees Celsius. The fish samples were sorted and homogenized the week of 07 December 2009. The fish caught included several very large (3 to 6 pound) carp, many smaller carp, sunfish, white suckers, creek chubs, pike, one brown trout, and an assortment of small “minnow” types and miscellaneous young fish. Table 2.1 provides a complete list of the fish, their species, lengths, weights, and how they were identified and divided for the purpose of sampling. The location of the upstream, middle, and downstream fish sampling areas are shown in Figure 2.1. The fish samples were forwarded to EPA’s Division of Environmental Science and Assessment (DESA) after being homogenized and placed into the appropriate sample jars for analysis. The fish samples were analyzed for metals, pesticides, PCBs, and dioxins/furans.

2.2.2 Sediment and Water Sampling – November 2009

Seven SERAS personnel and two ERT personnel began the sediment and surface water sampling effort on the morning of Monday, 16 November 2009. All sampling locations were located by Global Positioning System (GPS). A few of the preselected locations fell outside the creek or were otherwise located in an unsuitable location. In these instances, the sample location was moved to the creek location closest to the preselected point and the new location recorded by GPS.

For the surface water sampling, the metals fraction was preserved with nitric acid (pH < 2) after collection. The dissolved fraction was obtained by filtering the sample through a dedicated sample filter before pH adjustment.

Sediment samples were collected from three sediment intervals: 0 to 6 inches, 6 to 12 inches, and 18 to 24 inches below the water-sediment interface (bwsi). Sediment sampling procedures were not initiated until surface water sampling had been conducted at the location, where applicable. The three intervals were collected in an acetate sleeve using a manually driven coring device. At some locations, divers were required for sample collection due to the water depth. Several samples were also collected on the north bank of the creek just east of the 7th North Street Bridge. If refusal was met at a sampling location (infrequent), a second attempt was made within 3 ft of the original effort. Six to fourteen cores were collected at each location to ensure adequate sample mass for all planned analyses. After collection, the cores were brought back to the processing area for homogenization and placed into sampling jars. The cores were cut with an electric saw, which was decontaminated between samples. Encore™ samples for VOCs were obtained directly from the cores. The sediment samples were also analyzed for pesticides, metals, PCBs, and base/neutral/acid organic compounds (BNA). Similar sediment fractions were then combined in an aluminum baking pan and thoroughly homogenized by hand before being placed into sampling jars. Duplicates and blanks were included in the sampling effort. Sediment was soft, dark and organic at most locations, except for the "R1" locations close to the lake that contained light gray Solvay waste. Sample jars and Encores™ were transferred from SERAS to DESA personnel. DESA personnel performed the sample management and shipped the samples to the laboratory.

2.2.3 Sediment Sampling – May 2010

SERAS/ERT personnel returned to Lower Ley Creek on 08 May 2010, with the objective of better defining the depth of contamination in the creek. A subcontractor was hired to use vibracore™ technology at preselected locations within the creek and to collect cores to a depth of up to 10 ft bwsi. The purpose was to determine the depth of sediment contaminants observed in the November 2009 event. Six locations were successfully sampled with a duplicate at one of the six locations. A track mounted rig was used to travel along the banks of the creek. At selected locations, the vibracore™ was lowered over the area of interest within the creek using a longarm excavator. Cores were cut and processed on site and samples collected at intervals along the core. At each location, sampling was conducted up to 10 ft bwsi or 1 ft below native soil, whichever was reached first. Sediments were collected from the cores at 1-foot intervals. The samples were analyzed for Target Analyte List (TAL) metals, cyanide, Target Compound List (TCL) pesticides, TCL PCBs, and BNAs. In addition, a selected subset of sediment samples was also analyzed for dioxin. All sediment samples were sent to the USEPA CLP for analyses.

During the May 2010, sampling event, EPA requested that a swale, located south of Lower Ley Creek and east of the 7th North Street Bridge, be investigated. Soil samples from the swale were collected by hand for metal and PCB analyses. Seven relatively evenly spaced locations along the swale were chosen for sampling. Standing water was found in the more southern portion of the swale, while no water was found near the northern part of the swale close to the creek at this time. Trash and other debris were readily apparent in the water on the southern portion of the swale. Samples were collected after driving a Geoprobe™ sleeve by hand into the sediment to

create a core. The sediment was very firm and sediment samples were collected from the cores at depths of 0 to 6 inches and 6 to 12 inches below ground surface (bgs). The swale sediment samples were analyzed for TAL metals and TCL PCBs at the EPA Region 2 Laboratory.

Additional sediment samples were collected within Lower Ley Creek for toxicity testing. All the toxicity sample locations are shown in Figure 2.2 and labeled in the relevant inset maps (Figures 2.3-2.10). Surface sediment was collected from 10 selected locations previously sampled in November 2009 (R3-9 [Figure 2.3], R3-11 [Figure 2.4], R3-3 [Figure 2.5], R3-5 [Figure 2.5], R2-13 [Figure 2.7], R2-16 [Figure 2.7], R2-8 [Figure 2.8], R2-12 [Figure 2.8], R2-2 [Figure 2.9], and R1-1 [Figure 2.10]). These 10 samples were used for both a 10-day toxicity test utilizing *Chironomus tetans* and additional analytical testing to identify current levels of contamination (TAL metals, cyanide, BNAs, Total Organic Carbon [TOC)], pH, and grain size) per method requirements. Samples from five of these locations (R1-1, R2-8, R2-16, R3-3, and R3-11) were also collected to be used in a 28-day toxicity test using *Hyalella azteca*. Toxicity test results are presented in Appendix B. Surface sediment was collected using a ponar launched from an inflatable Zodiac raft. The ponar would clamp shut when hitting the bottom, capturing sediment. The closed ponar was then retrieved with an attached rope and the sediment was placed in a stainless steel bowl. A full 2.5-gallon bucket of sediment was collected at each selected location for shipment to a laboratory for toxicological testing. The laboratory performing the toxicity testing was American Aquatic Testing of Allentown, Pennsylvania. The locations selected for these tests were based on the chemistry of surface sediment collected during the November 2009 sampling event. The locations were selected to represent a range of sediment contamination within the area of interest. The results of the toxicity testing are included in Appendix B.

2.2.4 Swale Sampling – August 2010

The purpose of the August 2010 sampling event was to further define the extent of contamination in the swale area, particularly the northeast section of the swale which was found to contain elevated levels of PCBs during the May 2010 sampling event. The southern portion of the swale was relatively clean, but contamination was found closer to where the swale meets Lower Ley Creek. This triggered the collection of sediment samples along the swale located just east of sampling location R3-11. Sample collection was proposed at depths of 0 to 6 inches, 6 to 12 inches, and the bottom 6 inches of each foot afterwards to a maximum depth of up 4 ft. In addition, the field team had an option of continuing to 5 ft deep at up to five locations on each of five transects to better define the extent of contamination along the swale. The terrain made it difficult to sample systematically along transects and 19 locations were instead chosen by the ERT and SERAS scientists in the field throughout the area of interest. The swale sediment samples were analyzed for TAL metals and TCL PCBs. All of the sampling locations during this round were given the prefix “SB.” Each of these locations was sampled at three distinct depths.

2.2.5 Soil Sampling – September/October 2011

SERAS/ERT personnel returned to the site on 26 September 2011. Sampling was performed during the weeks of 26 September and 03 October 2011. EPA Region 2 requested further investigation of parts of the bank of Ley Creek where dredge spoils may have been historically deposited. Forty-six locations were preselected by EPA and NYSDEC that were representative of the area where dredge spoils were or may have been historically deposited along the banks of

the creek. A track mounted rig was utilized to position the vibracore™ over the sampling location and a 4-inch diameter core was used to collect soil to 2 ft bgs or to refusal. The field team also had the option to advance the vibracore™ to 8 ft bgs or refusal. If the rig and equipment could not get to a particular location, an attempt was made to hand auger at that location to 2 ft bgs.

The vibracore™ did not work as anticipated and was not a viable option on land. Cores were either hammered by the drill rig or, more often than not, driven by hand. Because of the difficulties of access, digging, and unknown utilities, much of this sampling effort was performed by hand and, in most cases, soil borings did not go deeper than 2 ft bgs. Ultimately, samples were collected at 53 locations and labeled LLCD-1 through LLCD-53. Samples were field screened for PCBs and select samples were also analyzed for VOCs, BNAs, metals, mercury**,** pesticides, and PCBs (confirmatory). A smaller subset of samples was also analyzed for dioxins.

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3.0 PHYSICAL CHARACTERISTICS OF STUDY AREA

The following discussion of the physical characteristic of the Site is taken from the Lockheed Martin SERAS *Field Activities Summary Report, Lower Ley Creek Superfund Site* (SERAS, 2012).

3.1 SURFACE FEATURES

Lower Ley Creek flows through urban developed East Syracuse. Along the lower 2 miles of Lower Ley Creek (the Site), the creek flows through a landfill, under several bridges, along a railroad track, adjacent to several businesses, and near a major shopping mall. The bed of the creek is well channeled with steep sides, and the creek depth ranges from 1-14 ft deep. However, the creek is shallow in most locations and only 3-5 ft deep over much of its length. The location of the original streambed has been altered by human activity, particularly where it flows through the Salina Landfill. In addition, the channel was widened and altered by man before 1980. The bottom of the stream is mostly composed of soft sediment, with very little areas of stone or riffle.

3.2 LAND USE

The land surrounding Lower Ley Creek is mostly industrial. The surrounding area has been urbanized for many decades and contains numerous industries, a landfill, roads, businesses, homes, and other infrastructure.

The creek itself is not used commercially, although it is easily accessible for fishing and other recreation. Access to this site is unrestricted, and the property is next to a public thoroughfare. However, site access is difficult due to thick vegetation. Flow in the channel does not support an attractive fishery, making trespassing and direct contact with contaminated materials unlikely.

3.3 CLIMATE

The climate around the Site is temperate continental. Due to Lake Ontario, the weather patterns in the area yield a more moderated air temperature relative to areas at the same latitude. The mean annual temperature is 50.6 degrees Fahrenheit (°F), with an average maximum daily temperature of 59.8°F and an average daily minimum temperature of 41.4°F (National Oceanic and Atmospheric Administration [NOAA], 2011). Record temperatures range from 101°F in the summer months to -26°F in the midwinter months. The average first occurrence of freezing temperatures in the fall is around 15 November , and the average last occurrence of freezing temperatures in the spring is 08 April. Moisture enters the area primarily via low-pressure systems that move through the St. Lawrence Valley toward the Atlantic Ocean. Yearly precipitation averages approximately 48 inches and is distributed fairly evenly throughout the year. Syracuse area winds are predominantly from the west and northwest.

3.4 GEOLOGY

The bedrock geology in the area of Lower Ley Creek consists of sedimentary rock units from the Paleozoic-age Salina Group, which, in order of oldest to youngest, consists of the Vernon Formation, the Syracuse Formation, Camillus Shale, and the Bertie Formation. The Vernon Formation, consisting of red and green shale, underlies Onondaga Lake and is the thickest single

formation in Onondaga County. This layer consists of approximately 500 to 600 ft of grey, red, and green mudstones that are relatively soft and erodible interspersed with gypsum seams. Most of this layer is fairly impermeable. In areas to the south of Onondaga Lake, the Syracuse Formation overlies the Vernon Formation. The Syracuse Formation varies from approximately 150 to 220 ft thick and consists of shale, gypsum, and rock salt. Groundwater flows to the north toward Onondaga Lake and is the source of naturally occurring brines in the area. The unconsolidated deposits overlying the bedrock around Onondaga Lake vary in thickness, with much of the lake underlain by approximately 100 ft of deposits, which thicken to approximately 328 ft at the mouth of Onondaga Creek at the southern end of the lake. Most of these deposits are glacial in origin but quite variable in size and origin. Naturally occurring materials found at the surface may include the glacial deposits, or deposits of more recent origin such as clay, peat, and marl formed in and at the edges of the lake. The area around the lake is mostly fill material and other debris. The glacial deposits found beneath the lake also extend beyond the lake margins and fill the major drainage channels leading into and out of the lake. Deposits within these channels are primarily outwash in origin and consist of sand and gravel, with an interbedded fine component. These outwash deposits are locally heterogeneous and receive recharge from upland areas from both groundwater and surface water flow. Organically rich sediments occur in much of the southern portion of the lake.

3.5 SOILS

The surface soils surrounding Onondaga Lake consist of glacial origin deposits including till, outwash, alluvial, and glacio-lacustrine sediments. Above the unconsolidated sediments in many upland areas near the site are fill deposits composed of peat, cinders, ash, and Solvay wastes. Significant amounts of soil erode into the streams surrounding the lake during heavy storms. Human activity has altered the natural soil surrounding most of the lake and most of the original soils are no longer found.

3.6 SURFACE-WATER HYDROLOGY

Water flows westerly in Lower Ley Creek towards Lake Onondaga. The movement of water within the stream is generally fairly consistent. There are no areas of rock or riffle, although flow does increase after storm events.

3.7 HYDROGEOLOGY

Onondaga Lake receives surface runoff from a drainage basin of approximately 250 square miles. Surface water flows into the lake via six tributaries: Ninemile Creek, Onondaga Creek, Ley Creek, Harbor Brook, Bloody Brook, and Sawmill Creek. A small amount of additional water is added to the lake through two industrial conveyances. Ninemile and Onondaga Creeks account for most of the inflow to the lake, together comprising approximately 62% of the total inflow for the period from 1971 to 1989. Ley Creek accounts for approximately 8% of the total water inflow to the lake. Groundwater discharge to surface channels accounts for most of the stream flow in the Onondaga Lake Basin. Groundwater discharge accounts for 56% of stream flow in Ley Creek.

3.8 ECOLOGY

Historically, Onondaga Lake was a moderately productive mesotrophic lake with some dissolved nutrients and fresh to slightly brackish water. Water in the lake was greenish, as is typical of mesotrophic lakes, likely a result of high concentrations of algae.

There is printed evidence of a much more diverse and different fish community in and around Onondaga Lake in the past. Compared with other local lakes of similar size and volume, however, the lake's fish population was considered neither diverse nor plentiful. Historical fish surveys exhibited a lake containing 90% carp and described Onondaga Lake as a warm-water fish community with similar growth rates as other warm-water lakes in the northeastern United States.

In the vicinity of the lake, Ley Creek likely supports a fish community similar to the other large tributaries. Fish sampling has been performed as part of investigative activities associated with GM's Former IFG Facility located approximately 3.5 miles upstream of the lake (1.5 miles upstream of the Site). The primary fish species observed as part of those investigations, conducted in 1985 and 1992, included bluegill, pumpkinseed, shiners, bullhead and carp.

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4.0 NATURE AND EXTENT OF CONTAMINATION

This section discusses the results of the SERAS/ERT Investigation. Fish tissues samples, surface water samples, soil samples, and sediment samples were collected during this investigation. Groundwater samples were not collected during the SERAS/ERT Investigation. An electronic submittal of sampling and laboratory analytical results, geologic data, and location data in accordance with EPA Region 2 policies, guidelines, and formats is presented in Appendix C. In addition, a database of all the results is included in Appendix D.

4.1 FISH TISSUE INVESTIGATION

A summary of the fish sampling results is shown on Table 4.1.

The fish tissue sample analyses indicated concentrations of metals, organic compounds, PCBs, and dioxins/furans. In the BERA, it was concluded that ecological risks exist due to concentrations of dioxins and PCBs in the fish tissue. In addition, the HHRA concluded that potential human health risks are associated with the consumption of contaminated fish from Lower Ley Creek. The primary human health risk drivers in the fish tissue are PCBs, arsenic, and mercury.

4.2 SURFACE WATER INVESTIGATION

A summary of contaminants detected in surface water samples is provided in Table 4.2. Surface water samples were collected across the entire length of the Site. All the surface water sample locations are shown in Figure 2.2 and labeled in the relevant inset maps (Figures 2.3-2.10).

Metals, VOCs, and BNAs were detected in surface water samples. No metals or VOCs were detected above NYSDEC Water Quality Standards. BNAs were detected at or above their respective NYSDEC Water Quality Standards at locations R3-7 (Figure 2.3), R3-2 (Figure 2.5), R3-5 (Figure 2.5), and R1-4 (Figure 2.10).

BNAs detected above their respective NYSDEC Water Quality Standard were:

- acetophenone,
- bis(2-ethylhexyl)phthalate,
- 2,3,3-Trimethyl-1-hexene,
- benzo(a)anthracene,
- chrysene, and
- hexane, 2,3-dimethyl-.

All surface water exceedances were relatively minor and most likely influenced by contaminated sediments.

4.3 PCB FIELD LABORATORY INVESTIGATION

During the September/October 2011 sampling event, soil and sediment samples were analyzed for PCBs in a field laboratory. A summary of the field laboratory analytical results is provided in Table 4.3. Field laboratory analyses were conducted on: soil samples collected along the banks of Lower Ley Creek; soil samples collected in dredged spoils areas adjacent to Lower Ley Creek; and three sediment samples collected in Lower Ley Creek just west of Route 11. The soil and sediment sample locations are shown in Figure 2.2 and labeled in the relevant inset maps (Figures 2.3-2.10).

The soil and sediment sample analyses indicated the presence of PCB-1248 (Aroclor-1248) and PCB-1260 (Aroclor-1260). The highest detections in soils were found at locations LLCD26 (31,200 micrograms per kilogram [µg/kg]), LLCD27 (74,800 µg/kg), LLCD29 (38,000 µg/kg), LLCD35 (24,800 µg/kg), LLCD41 (21,000 µg/kg), and LLCD51 (30,900 µg/kg). PCB concentrations in the soil samples collected on the surface (0-1 ft bgs) do not appear to be more elevated than those reported in the subsurface (1-8 ft bgs).

Much higher concentrations of PCBs were reported in the sediment samples collected from locations R3-13 (379,000 µg/kg), R3-14 (321,000 µg/kg), and R3-15 (581,000 µg/kg). The sediment sample results indicate higher concentrations of PCBs in sediments near the surface (0-4 ft bwsi) than deeper in the subsurface (4-8 ft bwsi).

4.4 SOIL INVESTIGATION

A summary of soil sample detections is presented in Tables 4.4a-g. Soil samples were collected along the banks of, and dredged spoils areas adjacent to, Lower Ley Creek. All soil sample locations are shown on Figure 2.2 and the associated inset maps (Figures 2.3-2.10).

Soil sample analyses indicated the presence of:

- Pesticides (Table 4.4a),
- Metals (Table 4.4b),
- Cyanide and Mercury (Table 4.4c),
- PCBs (Table 4.4d),
- VOCs (Table 4.4e),
- BNAs (Table 4.4f), and
- Dioxins/Furans (Table 4.4g).

Pesticides detected above their respective unrestricted use NYSDEC soil criteria were endrin, 4,4′-Dichlorodiphenyltrichloroethane (4,4′-DDT), and 4,4′-Dichlorodiphenyldichloroethylene (4,4′-DDE). Please note that some detected pesticides do not have any NYSDEC soil criteria for comparison, and therefore will not be addressed in this RI Report.

Metals detected above NYSDEC unrestricted use soil criteria were arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, and zinc. Please note that some detected metals do not have NYSDEC unrestricted use soil criteria for comparison, and therefore will not be addressed in this RI Report.

PCBs detected above NYSDEC unrestricted use soil criteria included Aroclor-1016, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, and Aroclor-1268.

Acetone was the only VOC detected above NYSDEC unrestricted use soil criteria. Please note that some detected VOCs do not have NYSDEC unrestricted use soil criteria for comparison, and therefore will not be addressed in this RI Report.

BNAs detected above NYSDEC unrestricted use soil criteria included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. Please note that some detected BNAs do not have NYSDEC unrestricted use soil criteria for comparison, and therefore will not be addressed in this RI Report.

All the dioxins/furans detected in soil samples have no NYSDEC soil criteria for comparison. However, some dioxins/furans detected in soil samples did exceed the EPA preliminary remediation goal (PRG) for dioxins in residential soil.

Table 4.5 presents the soil sample locations and chemicals that exhibited concentrations greater than their respective soil criteria (i.e., NYSDEC unrestricted use soil criteria and EPA PRGs).

4.5 SEDIMENT INVESTIGATION

A summary of sediment sample analytical results is presented in Tables 4.6a-g. Sediment samples were collected along the entire 2 mile length of the Lower Ley Creek Site comprising the study area for this WA. All sediment sample locations are shown on Figure 2.2 and labeled in the associated inset maps (Figures 2.3-2.10).

Sediment sample analyses indicated the presence of:

- Pesticides (Table 4.6a),
- Metals (Table 4.6b),
- Cyanide and Mercury (Table 4.6c),
- PCBs (Table 4.6d),
- VOCs (Table 4.6e),
- BNAs (Table 4.6f), and
- Dioxins/Furans (Table 4.6g).

Pesticides detected above their respective NYSDEC sediment criteria were 4,4’-DDE, 4,4’-Dichlorodiphenyldichloroethane (4,4′-DDD), 4,4′-DDT, aldrin, dieldrin, endosulfan I,

endosulfan II, endrin, heptachlor, heptachlor epoxide, and methoxychlor. Please note that some detected pesticides do not have NYSDEC sediment criteria for comparison, and therefore will not be addressed in this RI Report.

Metals detected above their respective NYSDEC sediment criteria included antimony, arsenic, cadmium, chromium, copper, lead, nickel, mercury, silver, and zinc. Please note that some detected metals do not have NYSDEC sediment criteria for comparison, and therefore will not be addressed in this RI Report.

PCBs detected above their NYSDEC sediment criteria included Aroclor-1242, Aroclor-1248, and Aroclor-1260.

VOCs detected above their NYSDEC sediment criteria included 1,1,2,2-tetrachloroethane, 1,2-dichlorobenzene, benzene, chlorobenzene, ethylbenzene, isopropylbenzene, m,p-xylene, tetrachloroethene, toluene, and vinyl chloride. Please note that some detected VOCs do not have NYSDEC sediment criteria for comparison, and therefore will not be addressed in this RI Report.

BNAs detected above their respective NYSDEC sediment criteria were acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, bis(2-ethylhexyl)phthalate, fluoranthene, naphthalene, phenol, and pyrene. Please note that some detected BNAs do not have NYSDEC sediment criteria for comparison, and therefore will not be addressed in this RI Report.

All dioxins/furans detected in sediment samples have no NYSDEC sediment criteria for comparison. However, some dioxins/furans detected in sediment samples did exceed the EPA PRG for dioxins in residential soil.

Table 4.7 presents the sediment sample locations and chemicals that exhibited concentrations greater than their respective sediment criteria (i.e., NYSDEC sediment criteria, EPA PRGs, etc.). As all PCBs detected in sediment exceeded their NYSDEC sediment criteria (0.0008 µg/kg), only PCB sampling results exceeding the Toxic Substances Control Act (TSCA) Occupancy Area Minimum Criteria for PCBs (1,000 µg/kg) were included in Table 4.7.

5.0 MAJOR CONTAMINANT OVERVIEW

This section evaluates the nature and extent of the major contaminants driving human health and ecological risks at the Lower Ley Creek Site. Lower Ley Creek has two primary media of concern, sediment and soils, and two secondary media of concern, surface water and fish tissue. Chemicals that are present in sediment are available for partitioning into fish tissue and the surface water. Consequently, actions that address chemicals in sediment will also address chemicals in fish tissue and surface water. This applies to fish and other aquatic organisms with limited range. These organisms would be exposed to contaminated sediment for extended periods of time resulting in an increased probability of partitioning of chemicals in sediment to fish tissue.

To assist with the discussion of the nature and extent of the major contaminants, the 2-mile stretch of the Lower Ley Creek Subsite has been separated into four sections (Reach 1A, upstream, middle, and downstream) (Figure 5.1):

- Reach 1A refers to the area underneath the Route 11 Bridge. This area is an additional stretch of Lower Ley Creek that may be included as part of this Site, contingent on future discussions between EPA and GM.
- The upstream section of Lower Ley Creek extends from its intersection with Route 11 to its intersection with the 7th North Street Bridge.
- The middle section of Lower Ley Creek extends from its intersection with the 7th North Street Bridge to approximately 2,000 ft southwest of the intersection (near the Alliance Bank Stadium).
- The downstream section of Lower Ley Creek extends from approximately 2,000 ft southwest of the 7th North Street Bridge intersection to its intersection with Onondaga Lake.

These sections were developed because the downstream section of the Site exhibits much less contamination than the upstream or middle sections of the Site. In addition, the upstream and middle sections of the site exhibit distinctive contaminant concentrations.

5.1 SOILS

5.1.1 PCBs

Table 5.1a and Figure 5.2 present the maximum soil concentrations by location for PCBs. Most soil sampling locations exhibit PCB concentrations exceeding the NYSDEC unrestricted use soil criteria. The maximum PCB contamination at each location was detected in the surface sample interval at some locations (e.g., SB-1506) to as deep as 60 inches bgs (e.g., SB-1510) in other locations. The highest PCB concentrations in soil appear to be associated with swale sampling, which was conducted just south of where Old Ley Creek enters Lower Ley Creek. Elevated PCB concentrations were also detected in areas where spoils associated with the dredging of Lower Ley Creek were reportedly deposited, especially on the south side of Lower Ley Creek just north of its intersection with the 7th North Street Bridge.

5.1.2 Mercury

Table 5.1b and Figure 5.3 present the maximum mercury soil concentrations by location. Mercury concentrations exceeded the NYSDEC unrestricted use soil criteria at most sampling locations. The maximum mercury contamination was found in the surface sample interval at some locations (e.g., LLCD28) to as deep as 60 inches bgs (e.g., SB-1501) in other locations. The highest mercury concentrations in soil appear to be associated with the swale sampling and dredge spoil areas.

5.1.3 BNAs (Benzo[a]pyrene)

Many BNAs were detected in soils throughout the Site. Benzo(a)pyrene was chosen as the major BNA contaminant driver due its frequent detection in the soil sample analytical results and because it is a primary human health risk driver at the Site. Table 5.1c and Figure 5.4 present the maximum soil concentrations by location for benzo(a)pyrene. Benzo(a)pyrene was detected at about half of the soil sampling locations at concentrations exceeding the NYSDEC unrestricted use soil criteria. The maximum benzo(a)pyrene contamination at each location was found in the surface sample interval at some locations (e.g., LLCD02) to as deep as 48 inches bgs (e.g., LLCD49) at other locations. The highest benzo(a)pyrene concentrations in soil appear to be associated with dredge spoil areas, especially on the west side of Lower Ley Creek just north of its intersection with Interstate 81.

5.1.4 Metals (Chromium)

Many metals were detected in soils at the Site. Chromium was chosen as the major metal contaminant driver due to its frequent detection in the soil sample results and because it is a primary human health risk driver at the Site. Table 5.1d and Figure 5.5 summarize the maximum soil concentrations by location for chromium. The maximum chromium contamination at each location was found in the surface sample interval at some locations (e.g., SW-5) to as deep as 60 inches bgs (e.g., SB-T4A) at other locations. The highest chromium concentrations in soil appear to be found at the dredge spoil areas, especially on the north and south side of Lower Ley Creek just north of its intersection with the 7th North Street Bridge.

5.1.5 Pesticides (4,4′-DDE and 4,4′-DDT)

Many pesticides were detected in soils at the Lower Ley Creek site. 4,4′-DDE and 4,4′-DDT were chosen as the major pesticide contaminant drivers due to their frequent detection in the soil sample results and their elevated toxicity in comparison to other pesticides detected in Lower Ley Creek soil. Table 5.1e and Figure 5.6 present the maximum soil concentrations by location for 4,4′-DDE and 4,4′-DDT. The maximum 4,4′-DDE and 4,4′-DDT contamination at each location was found in the surface sample interval at some locations (e.g., SP-03) to as deep as 24 inches bgs (e.g., SP-04) at other locations. The highest 4,4′-DDE and 4,4′-DDT concentrations in soil appear to be found in the dredge spoil areas, especially on the north and south side of Lower Ley Creek just north of its intersection with the 7th North Street Bridge.

5.1.6 Dioxins/Furans (Total HpCDD)

Many dioxins/furans were detected in soils at the Site. Total heptachlorodibenzo-p-dioxin (HpCDD) was chosen as the major dioxin/furan contaminant driver due its frequent detection in the soil sample results. Table 5.1f and Figure 5.7 present the maximum soil concentrations by location for total HpCDD. The maximum total HpCDD contamination at each location was found in the surface sample interval at most locations (e.g., LLCD27) to as deep as 96 inches bgs (e.g., LLCD49) at other locations. The highest total HpCDD concentrations in soil appear to be found in the dredge spoil areas, especially on the north and south side of Lower Ley Creek just north of its intersection with the 7th North Street Bridge.

5.2 SEDIMENTS

5.2.1 PCBs

Table 5.2a and Figure 5.8 present the maximum concentrations of PCBs in sediment by location. PCB concentrations exceeded the NYSDEC sediment criteria at all sampling locations while most of the sampling locations also exceeded the TSCA high occupancy area minimum criteria. The maximum PCB concentration at each location was found in the surface sample interval at some locations (e.g., R2-15) to as deep as 84 inches bwsi (e.g., R3-8) at other locations. The highest PCB concentrations in sediment appear to be in the upstream section of Lower Ley Creek, with decreasing concentrations towards Onondaga Lake.

5.2.2 Mercury

Table 5.2b and Figure 5.9 present the maximum concentrations of mercury by location. Most sediment sampling locations yielded mercury concentrations exceeding the NYSDEC sediment criteria. The maximum mercury contamination at each location was found in the surface sample interval at some locations (e.g., R2-4) to as deep as 72 inches bwsi (e.g., R3-3) at other locations.

5.2.3 BNAs (Benzo[a]pyrene)

Many BNAs were detected in sediments at the Site. Benzo(a)pyrene was chosen as the major BNA contaminant driver due its frequent detection in the sediment sample results and because it is a primary human health risk driver at the Site. Table 5.2c and Figure 5.10 present the maximum sediment concentrations by location for benzo(a)pyrene. Benzo(a)pyrene concentrations exceeded the NYSDEC sediment criteria at all sampling locations. The maximum benzo(a)pyrene contamination at each location was found in the surface sample interval at some locations (e.g., R3-3) to as deep as 48 inches bwsi (e.g., R3-8) at other locations. The highest benzo(a)pyrene concentrations in sediment appear to be in the middle and upstream sections of Lower Ley Creek, with decreasing concentrations towards Onondaga Lake.

5.2.4 Metals (Chromium)

Many metals were detected in sediments at the Site. Chromium was chosen as the major metal contaminant driver due its frequent detection in the sediment sample results and because it is a primary human health risk driver at the Site. Table 5.2d and Figure 5.11 summarize the maximum concentrations of chromium in sediment by location. The maximum chromium

concentration at each location was found in the surface sample interval at some locations (e.g., R3-9) to as deep as 84 inches bwsi (e.g., R3-8) at other locations. The highest chromium concentrations in sediment appear to be in the middle and upstream sections of Lower Ley Creek, with decreasing concentrations towards Onondaga Lake.

5.2.5 Pesticides (4,4′-DDE and 4,4′-DDT)

Many pesticides were detected in sediments in Lower Ley Creek. 4,4′-DDE and 4,4′-DDT were chosen as the major pesticide contaminant drivers due to their frequent detection in the sediment sample results and their elevated toxicity in comparison to other pesticides detected in Lower Ley Creek sediment. Table 5.2e and Figure 5.12 present the maximum sediment concentrations by location for 4,4′-DDE and 4,4′-DDT. The maximum 4,4′-DDE and 4,4′-DDT concentrations at each location was found in the surface sample interval at some locations (e.g., R3-9) to as deep as 84 inches bwsi (e.g., R3-8) at other locations. The highest 4,4′-DDE and 4,4′-DDT concentrations in sediment appear to be in the middle and upstream sections of Lower Ley Creek, with decreasing concentrations towards Onondaga Lake.

5.2.6 Dioxins/Furans (Total HpCDD)

Many dioxins/furans were detected in sediments in Lower Ley Creek. Total HpCCD was chosen as the major dioxin/furan contaminant driver due its frequent detection in the sediment sample results. Table 5.2f and Figure 5.13 present the maximum concentrations of total HpCDD in sediment by location. Total HpCDD was only analyzed in sediments collected on the surface (0-6 inches bwsi). The highest total HpCDD concentrations in sediment appear to be in the middle section of Lower Ley Creek, near the intersection with the 7th North Street Bridge.

6.0 CONTAMINANT FATE AND TRANSPORT

Lower Ley Creek has two primary media of concern, sediment and soils, and two secondary media of concern, surface water and fish tissue. Chemicals that are present in sediment are available for partitioning into fish tissue and the surface water. Consequently, actions that address chemicals in sediment will also address chemicals in fish tissue and surface water. This applies to fish and other aquatic organisms with limited range that would be exposed to contaminated sediment for extended periods of time resulting in an increased probability of partitioning of chemicals in sediment to fish tissue.

6.1 FATE AND TRANSPORT OF SEDIMENT CONTAMINATION

The initial sources of the majority of contamination in Lower Ley Creek were likely the GM-IFG Facility and the Town of Salina Landfill. While the GM-IFG Facility is located upstream of Lower Ley Creek, the Town of Salina Landfill surrounds Lower Ley Creek just downstream of Route 11/Brewerton Road. Contaminants from these two sites have adhered to the sediments in Lower Ley Creek and these sediments now serve as a continuing source of contamination for the water column and biota.

These sediments migrate downstream by both suspended load and bed-load transport. Bedload transport represents particles that roll or saltate along the river bottom without being brought into resuspension. Because these particles are not transported into the water column, they have no effect on the suspended sediment concentration. However, the effects of bed-load transport are significant because they change the thickness of the sediment bed and increase the rate of contaminant desorption from the transported sediments into the water column.

The processes that determine the fate of contaminants in Lower Ley Creek may be divided into two categories: 1) transport; and 2) transfer and reaction. Transport is the physical movement of contaminants caused by the net advective movement of water, mixing, and resuspension/deposition of solids to which contaminants are adsorbed. It is dependent on the flow and dispersion characteristics in the water column and the settling velocity and resuspension rate of the solid particles. Transfer and reaction include movement of contaminants among air, water, and solid phases of the system, and biological (or biochemical) transformation or degradation of the contaminants. The processes involved in transfer and reaction include volatilization, adsorption, dechlorination, bioturbation, and biodegradation. Contaminants are present in Lower Ley Creek in three phases that interact with each other: freely dissolved; sorbed to particulate matter or solids; and complexed with dissolved (or colloidal) organic matter.

These complex sediment and water exchange processes govern the mechanisms that in turn contribute to bioaccumulation of contaminants in the fish via both benthic and pelagic food webs. These highly variable and complex processes include sediment resuspension and settling, biological mixing (bioturbation), sediment bedload transport, anthropogenic disturbances, flood events, ice-rafting, and other such related processes. The net result of these processes is that, in general, the distribution of contaminants in the sediments of Lower Ley Creek is fairly random. This random distribution is apparent in the sediment contaminant concentration figures for PCBs (Figure 5.8), mercury (Figure 5.9), benzo(a)pyrene (Figure 5.10), chromium (Figure 5.11), certain pesticides (Figure 5.12), and a representative dioxin (Figure 5.13). However, there does

appear to be generally lower contaminant concentrations in sediments in the downstream section of Lower Ley Creek. Lower contaminant concentrations in the downstream section of Lower Ley Creek may be due its distance from the major initial sources of contamination at the Site (i.e., the GM-IFG Facility and the Salina Landfill).

Contaminant loss or gain from the sediment can take many forms. Scour, diffusion, groundwater advection, and biological activity can all potentially remove contaminants from a given location. Biological activity in the form of anaerobic microbial dechlorination can also serve to decrease contaminant concentrations in the sediments. Contaminant inventories can be increased chiefly by deposition, either with sediment contaminated by newly released chemicals or with redeposited sediments from other contaminated locations.

6.2 FATE AND TRANSPORT OF SOIL CONTAMINATION

As previously discussed, dredging of Ley Creek was performed in the 1970s and early 1980s. Dredged material (i.e., spoils) generated during these dredging activities was placed along the banks of Ley Creek. This dredged material may continue to be a source of contamination to Lower Ley Creek as contaminants in the soil are leached to the creek. However, there is significant vegetation along Lower Ley Creek that may be minimizing any current erosion or transport of soil contaminants to Lower Ley Creek. Although the dredged material may have been a significant source of contamination to Lower Ley Creek initially, the revegetation of the banks after the dredging of the Creek has limited the mobility of the soil contaminants over time. Therefore, it appears that soil contamination along the shoreline of Lower Ley Creek may have at one time been a significant source of contamination for Lower Ley Creek, but currently may be a relatively minor source.

6.3 CONTAMINANT PERSISTENCE

The continued high levels of sediment contamination in Lower Ley Creek indicate that most contaminants are persistent in the study area and are not being significantly degraded by natural processes. However, the random distribution of sediment contamination in Lower Ley Creek indicates that contaminants are being redistributed within the Site. This indicates that the stability of the sediment deposits cannot be assured. Burial of contaminated sediment by cleaner material is not occurring universally as high concentrations of contaminants were detected in samples collected on the top of the sediments (i.e., 0-1 ft bwsi). Although burial of more contaminated sediment by less contaminated sediment may be occurring at some locations, significant amounts of contamination may have been re-released to the environment. Therefore, it is likely that contaminants will continue to be released from Lower Ley Creek sediments.

6.4 CONTAMINANT MIGRATION

Contaminants are transported from Lower Ley Creek to Onondaga Lake. The mass of some contaminants transported from Ley Creek to Onondaga Lake were estimated in the Onondaga Lake RI (TAMS, 2002). PCBs were detected consistently in Ley Creek at levels greater than those found in the lake, indicating that Ley Creek (including Lower Ley Creek) could be a significant source of PCBs to the lake. In addition, ongoing discharges to Onondaga Lake via Ley Creek may be delivering substantial amounts of dioxins/furans to the lake. Other

contaminants detected in Lower Ley Creek (e.g., BNAs, VOCs, pesticides) are also likely contributing to contamination in Onondaga Lake, but to a lesser extent than PCBs and dioxins/furans.

6.5 SUMMARY

Based on the available information, the following summary has been developed regarding the fate and transport of contaminants in Lower Ley Creek:

- Contaminant concentrations in water are driven by contaminants stored in sediments under current conditions.
- Sediment concentrations represent an important source of exposure to biota.
- The initial sources of the majority of contamination in Lower Ley Creek were likely the GM-IFG Facility and the Town of Salina Landfill.
- The distribution of contaminants in the sediments of Lower Ley Creek is mostly random.
- There are generally lower contaminant concentrations in sediments in the downstream section of Lower Ley Creek than the upstream and middle sections.
- Sediment deposition is occurring, on average, in most of Lower Ley Creek, but not at rates sufficient for sequestration of contaminants stored in sediment.
- Soil contamination along the shoreline of Lower Ley Creek is not very mobile and does not seem to be a major current source of contamination for Lower Ley Creek.
- Most contaminants are persistent in the study area and are not being degraded significantly by natural processes.
- Contaminants are being transported from Lower Ley Creek to Onondaga Lake.

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7.0 RISK ASSESSMENT

Risk assessments are performed to evaluate risks posed to human and ecological receptors by the presence of chemicals at a site if no remedial action is performed. The HHRA and the BERA, prepared in 2012 as part of the SERAS/ERT work at the Lower Ley Creek Site (SERAS, 2012), are summarized in this section. The HHRA and BERA are included in this RI Report as Appendices E and F, respectively.

7.1 HUMAN HEALTH RISK ASSESSMENT

The HHRA was conducted to evaluate whether chemical concentrations detected in media at the Site pose a threat to human health. Chemical concentrations in fish tissue, surface water, soil, and sediment were screened using the appropriate screening values to select chemicals of potential concern (COPC) for the HHRA.

7.1.1 Selection of Chemicals of Potential Concern

COPCs were identified based on a screening analysis using the EPA regional screening levels (RSL) (EPA, 2009). Chemicals are selected as COPCs if their maximum detected concentration in a given medium (sediment, surface water, soil, fish tissue) is greater than the relevant RSL and their detection frequency is greater than 5%. In addition, all chemicals classified as Category A – known human carcinogens – are selected as COPCs.

7.1.2 Exposure Pathways

Recreational users (both adults and children) and future construction workers are the primary receptor groups evaluated in the HHRA. Potential exposure pathways include contact with Lower Ley Creek sediments, soils, and surface water via incidental ingestion and dermal contact, as well as potential consumption of contaminated fish and wildlife.

7.1.3 Non-Cancer Summary

For non-cancer effects, an initial estimate of the total non-cancer risk is derived simply by summing the hazard values across all chemicals to calculate a hazard index (HI). If the HI is less than 1, non-cancer risks are not considered to be significant. If the HI is greater than 1, then it may be appropriate to examine individual chemical hazards and determine their risks and their effect on the same target tissue or organ system.

7.1.3.1 <u>Recreational Visitor – Adult</u>

7.1.3.1.1 *Sediments*

The total HI for the adult recreational visitor exposure is above 1 for both the reasonable maximum exposure (RME) and central tendency exposure (CTE) scenarios, with HI values of 32 and 10, respectively. The exceedances are primarily due to exposures via fish ingestion, with Aroclor-1254 as the primary risk driver and to a lesser extent Aroclor-1260 and chromium.

7.1.3.1.2 *Soils*

The total HI for the adult recreational visitor is equal to 1 for the RME scenario and less than 1 for the CTE scenario, with an HI value of 0.4.

7.1.3.2 Recreational Visitor – Older Child (6 - <16 years old)

7.1.3.2.1 *Sediments*

The total HI for the older child recreational visitor is above 1 for both the RME and CTE scenarios, with HI values of 32 and 8, respectively. The exceedances are primarily due to exposures via fish ingestion and to a lesser extent via dermal exposure to sediment in Lower Ley Creek. Risk from ingestion of fish tissue is primarily driven by Aroclor-1254 and to a lesser extent Aroclor-1260 and chromium. Risk from dermal exposure to sediment in Lower Ley Creek is primarily driven by Aroclor-1260.

7.1.3.2.2 *Soils*

The total HI for the older child recreational visitor is greater than 1 for the RME scenario, with an HI value of 11. The HI value for the CTE older child recreational visitor is 0.5. Dermal exposure to Aroclor-1248 is the primary risk driver contributing to the exceedance for the RME receptor.

7.1.3.3 Recreational Visitor – Younger Child (<6 years old)

7.1.3.3.1 *Sediments*

The total HI for the younger child recreational visitor is above 1 for both the RME and CTE scenarios, with HI values of 65 and 18, respectively. The pathway that contributes the greatest hazard is fish ingestion, although direct contact (ingestion and dermal) with sediment in Lower Ley Creek also contributes to an HI greater than 1 for the RME scenario. Risk from ingestion of fish is primarily driven by Aroclor-1254, Aroclor-1260, and chromium, and to a lesser extent arsenic and mercury. Risks from direct contact exposure to sediment are primarily driven by Aroclor-1260 or Aroclor-1248.

7.1.3.3.2 *Soils*

The total HI for the younger child recreational visitor is greater than 1 for both the RME and CTE scenarios, with HI values of 24 and 2, respectively. For the RME scenario, the exceedance is primarily due to direct contact (ingestion and dermal contact) with Aroclor-1248 in the soil. For the CTE scenario, the exceedance is primarily due to exposure via ingestion of soil, with Aroclor-1248 as the primary risk driver and to a lesser extent chromium and cadmium.

7.1.3.4 Construction Worker – Adult

7.1.3.4.1 *Sediments*

The total HI for the adult construction worker is below 1 for both the RME and CTE scenarios.

7.1.3.4.2 *Soils*

The total HI for the adult construction worker is greater than 1 for both the RME and CTE scenarios, with HI values of 7 and 2, respectively. The exceedances are primary due to direct contact (ingestion and dermal contact) with Aroclor-1248 in soil.

7.1.4 Cancer Risk Summary

Cancer risks are expressed as the increased risk of developing cancer as a result of a given exposure to a given chemical. These "excess" cancer risks are summed across all carcinogenic chemicals and all exposure pathways for each receptor category. In general, EPA considers excess cancer risks less than 1 in 1 million (expressed as 1E-06) to be so small as to be negligible, and risks above 1E-04 to be sufficiently large that some action may be necessary. Excess cancer risks between 1E-04 and 1E-06 are generally evaluated on a case-by-case basis, and EPA may determine that risks in this range warrant remedial action.

7.1.4.1 Recreational Visitor – Adult

7.1.4.1.1 *Sediments*

The total cancer risk for the adult recreational visitor is 4E-04 for the CTE scenario and 4E-03 for the RME scenario. The primary risk driver is ingestion of fish tissue, with PCBs, chromium, and arsenic contributing the greatest to total risk.

7.1.4.1.2 *Soils*

The total cancer risk for the adult recreational visitor is 1E-05 for the CTE scenario and 1E-04 for the RME scenario. The primary risk drivers are chromium via ingestion and benzo(a)pyrene via dermal exposure to soil.

7.1.4.2 Recreational Visitor – Older Child (6 - <16 years old)

7.1.4.2.1 *Sediments*

The total cancer risk for the older child recreational visitor is 3E-04 for the CTE scenario and 1E-03 for the RME scenario. The primary risk drivers are PCBs, chromium, and arsenic via fish ingestion and benzo(a)pyrene via sediment exposure.

7.1.4.2.2 *Soils*

The total cancer risk for the older child recreational visitor is 3E-05 for the CTE scenario and 8E-04 for the RME scenario. The primary risk driver is benzo(a)pyrene via dermal exposure to soil.

7.1.4.3 Recreational Visitor – Younger Child (<6 years old)

7.1.4.3.1 *Sediments*

The total cancer risks for the younger child recreational visitor are 5E-04 and 2E-03 for the RME and CTE scenarios, respectively. Risk drivers include PCBs, chromium, and arsenic in fish tissue; and PAHs (e.g., benzo(a)pyrene) in sediments.

7.1.4.3.2 *Soils*

The total cancer risk for the young child recreational visitor is 1E-04 for the CTE scenario and 2E-03 for the RME scenario. The primary risk driver is benzo(a)pyrene via ingestion and dermal exposures to soil, and to a lesser extent dibenzo(a,h)anthracene via dermal exposure. Additional risk drivers in soil are PCBs and chromium.

7.1.4.4 Construction Worker – Adult

7.1.4.4.1 *Sediments*

The total cancer risk for the adult construction worker is 2E-06 and 8E-06 for the RME and CTE scenarios, respectively.

7.1.4.4.2 *Soils*

The total cancer risk for the adult construction worker is 1E-05 for the CTE scenario and 4E-05 for the RME scenario. The primary risk driver is chromium via ingestion of soil.

7.1.5 Sediments and Soils Exposure Risk Summary

Table 7.1 summarizes the risk of exposure to sediments and soil in Lower Ley Creek. It is likely that recreational visitors to the site may be exposed to both creek sediments and upland soils. Exposure to only soils or only sediments results in cancer risk estimates above 1E-04 for the RME older child and the RME young child, and non-cancer HI estimates greater than 1 for the RME older child and both the CTE and RME young child. These exceedances remain consistent for all of the combined soil/sediment exposure percentages.

7.2 BASELINE ECOLOGICAL RISK ASSESSMENT

As part of the BERA, five assessment endpoints (AE) were selected to evaluate risk to ecological receptors at the Site:

1. Survival;
2. Growth and Reproduction of Aquatic Plants;

3. Benthic Invertebrates;
4. Fish; and
5. Piscivorous Birds and Mammals.

As part of the BERA conducted in 2012, a screening level ecological risk assessment (SLERA) was prepared to compare measured concentrations in abiotic media to conservative screening benchmarks. The measured (maximum detected) concentration of several inorganics in surface water and numerous COPCs measured in sediment samples, exceeded their screening benchmarks, indicating the potential for adverse effects to the aquatic community in Lower Ley Creek.

For the BERA, measured concentrations of selected COPCs in fish tissue were compared with concentrations reported in the literature that are associated with adverse effects in fish. Dietary exposure of piscivorous birds and mammals feeding on prey captured from Lower Ley Creek was also evaluated. Solid-phase toxicity tests were conducted using two invertebrate species. Risk to the aquatic plant community in Lower Ley Creek was assessed by comparing measured concentrations of COPCs in surface water with selected surface water quality benchmarks and by comparing measured concentrations of COPCs in sediment with soil benchmarks for plants.

Exceedances of surface water quality benchmarks and sediment benchmarks suggest potential risk to aquatic plants, benthic invertebrates, and fish. In sediment, inorganics (particularly cadmium, chromium, and nickel), PAHs, PCBs, and some pesticides resulted in exceedances of screening values, indicating potential risk to aquatic plants and benthic invertebrates.

Reduced growth was observed in invertebrates exposed to sediment samples collected from several locations in Lower Ley Creek; significant mortality was observed in one sample. No significant correlations with measured COPC concentrations in sediment samples were observed within the test results.

Total equivalent concentrations (TEC) of dioxin in fish tissue collected from Lower Ley Creek exceeded concentrations reported to be associated with adverse effects in fish.

Piscivorous mammals are at risk from dietary exposure to measured total PCB concentrations in fish from Lower Ley Creek. It may also be concluded that piscivorous birds are at risk from dietary exposure to PAHs and potentially chromium.

The following inorganics were retained as COPCs potentially resulting in direct toxicity to benthic invertebrates: arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc. The maximum no-effect concentration observed in the toxicity tests was identified as the PRG:

- Arsenic, 5.6 milligrams per kilogram (mg/kg);
- Cadmium, 6.4 mg/kg;
- Chromium, 94.2 mg/kg;
- Copper, 102 mg/kg;

- Lead, 87.8 mg/kg;
- Mercury, 0.29 mg/kg;
- Nickel, 34.4 mg/kg;
- Silver, 2.1 mg/kg; and
- Zinc, 342 mg/kg.

Site-specific bioaccumulation factors for PCBs were calculated for forage fish in the upper, middle and lower sections of Lower Ley Creek. Lowest observed adverse effect level (LOAEL)-based and no observed adverse effect level (NOAEL)-based sediment concentrations were calculated to identify a range of sediment PCB concentrations below which adverse effects on wildlife receptors would not be expected. Sediment concentrations that would result in calculated hazard quotients (HQ) less than 1.0 for mink (the most sensitive receptor at this site based on the food chain models) were calculated. The LOAEL-based sediment PCB concentrations protective of ecological receptors ranged from 0.08 to 2.28 mg/kg. The NOAEL-based sediment PCB concentrations protective of ecological receptors ranged from 0.01 to 0.23 mg/kg.

Based upon the results, risk characterization, and interpretation; ecological risks exist at the Site from contaminants in sediments. These contaminants include PAHs and several inorganics which may pose a risk via exposure to surface water in addition to exposure to sediment. Ecological risk exists from concentrations of dioxin-like COPCs in fish tissue, and PCB concentrations in sediment, and forage fish pose a risk to piscivorous mammals.

8.0 SUMMARY

During the most recent investigation at Lower Ley Creek, the SERAS/ERT Team collected fish tissue samples, surface water samples, soil samples, and sediment samples to characterize the nature and extent of contamination at the Site.

Fish Tissue: Metals, organic compounds, PCBs, and dioxins/furans were detected in the fish tissue samples. Ecological risks exist from concentrations of dioxins and PCBs in the fish tissue. In addition, human health risks exist from the potential consumption of contaminated fish from Lower Ley Creek. The primary human health risk drivers in the fish tissue are PCBs, arsenic, and mercury.

Surface Water: Metals, VOCs, and BNAs were detected in the surface water samples. No metals or VOCs were detected above NYSDEC Water Quality Standards. BNAs were detected at or above their respective NYSDEC Water Quality Standards at several surface water samples.

Soil Samples: Pesticides, metals, cyanide, PCBs, VOCs, BNAs, and dioxins/furans were detected in the soil samples. These samples were collected along the banks of, and in the dredged spoils areas adjacent to, Lower Ley Creek. Pesticides, metals (including mercury), PCBs, VOCs, and BNAs were detected above their respective NYSDEC soil criteria for unrestricted use. Although the dioxins/furans detected in soil do not have NYSDEC soil criteria for comparison, some dioxins/furan analytical results were above the EPA PRG for dioxins in residential soil.

The primary human health risk drivers in soils are PCBs, BNAs, and chromium. The highest PCB concentrations in soil appear to be associated with swale sampling, which was conducted just south of where Old Ley Creek enters Lower Ley Creek. Elevated PCB concentrations were also found in areas where dredge spoils associated with the dredging of Lower Ley Creek were reportedly deposited, especially on the south side of Lower Ley Creek just north of its intersection with the 7th North Street Bridge. The highest BNA concentrations in soil appear to be associated with dredge spoils on the west side of Lower Ley Creek just north its intersection with Interstate 81. The highest chromium concentrations in soil appear to be associated with the dredge spoils on the north and south side of Lower Ley Creek just north of its intersection with the 7th North Street Bridge.

Sediment Samples: Metals (including mercury), cyanide, PCBs, VOCs, BNAs, and dioxins/furans were detected in the sediment samples. Pesticides, metals, mercury, PCBs, VOCs, and BNAs were detected above their respective NYSDEC unrestricted use sediment criteria. Cyanide and all the dioxins/furans detected in sediment samples have no NYSDEC sediment criteria for comparison. However, some dioxins/furans in sediment were detected above the EPA preliminary remediation goal for dioxins in residential soil. Metals (particularly cadmium, chromium, and nickel), BNAs, PCBs, and some pesticides may be an ecological risk to aquatic plants and benthic invertebrates. The primary human health risk drivers in sediment are BNAs.

The highest metal concentrations in sediment appear to be in the middle and upstream sections of Lower Ley Creek, with decreasing concentrations towards downstream Onondaga Lake. The highest BNA, PCB, and pesticide concentrations in sediment also appear to be in the middle and upstream sections of Lower Ley Creek, with decreasing concentrations towards Onondaga Lake.

In conclusion, the major areas of contamination in soil are present where spoils associated with the dredging of Lower Ley Creek were reportedly deposited, especially on the north and south side of Lower Ley Creek just north of its intersection with the 7th North Street Bridge. Soil contamination extends from the surface to as deep as 60 inches bgs. The areal extent of the contaminated soil is estimated to be approximately 2.2 million square feet with an estimated volume of contaminated soil of approximately 410,000 cubic yards. The major areas of contamination in sediment are in the upstream section of Lower Ley Creek, with decreasing concentrations downstream towards Onondaga Lake. Sediment contamination extends from the surface to as deep as 96 inches bgs. The areal extent of the contaminated sediment is estimated to be approximately 640,000 square feet with an estimated volume of contaminated sediment of approximately 190,000 cubic yards. The contamination in the sediment is likely influencing the contamination also present in fish tissue and surface water samples.

9.0 CONCLUSIONS

There is considerable contamination present in the soil and sediment of the Lower Ley Creek Subsite of the Onondaga Lake Superfund Site. Inorganics (i.e., metals), PCBs, pesticides, BNAs, and VOCs were detected in soils and sediment at levels exceeding their respective NYSDEC protective criteria. The contamination in the sediment at Lower Ley Creek is likely influencing the contamination also present in fish tissue and surface water samples.

The initial sources of the majority of contamination in Lower Ley Creek were likely the GM-IFG Facility and the Town of Salina Landfill. The distribution of contaminants in the soils and sediments of Lower Ley Creek is fairly random, although there does appear to be generally lower contaminant concentrations in sediments in the downstream section of the Site. Lower contaminant concentrations in the downstream section of Lower Ley Creek may be due its distance from the major initial sources of contamination at the Site (i.e., the GM-IFG Facility and the Salina Landfill). The high levels of sediment contamination in Lower Ley Creek indicate that most contaminants are persistent in the study area and are not being significantly degraded by natural processes. However, the random distribution of sediment contamination in Lower Ley Creek indicates that contaminants are being redistributed within the Site. Therefore, it is likely that contaminants will continue to be released from Lower Ley Creek sediments as sediment redistribution continues. In addition, ongoing discharges to Onondaga Lake via Lower Ley Creek may be transporting PCBs, dioxins/furans, and minor amounts of other contaminants to the lake.

The HHRA indicates that contact with contaminants in soil and sediment pose a significant risk to human health. Recreational users (both adults and children) and future construction workers are the primary receptor groups. Potential exposure pathways include contact with Lower Ley Creek sediments, soils, and surface water via incidental ingestion and dermal contact, as well as potential consumption of contaminated fish and wildlife.

The BERA indicates that ecological risks exist at the Site from contaminants in sediments. Ecological risk exists from concentrations of dioxin-like COPCs in fish tissue and PCB concentrations in sediment, and forage fish pose a risk to piscivorous mammals.

9.1 POTENTIAL DATA GAPS

There do not appear to be any major data gaps in the data collected for the Site that would require additional sampling or measurements to be completed before the FS could be performed. However, the LATA Team has identified the following two potential minor data gaps:

1. During the dredging of Lower Ley Creek in the 1970s, sediments were disposed of on the creek banks. The bottom of the dredged spoil areas is not known. Based on the existing data, soil contamination has been estimated to extend from ground surface to as deep as 60 inches bgs in the dredge spoil areas. The areal extent of the contaminated soil is estimated to be approximately 2.2 million square feet with an estimated volume of contaminated soil of approximately 410,000 cubic yards. The LATA Team will proceed with the FS based on these estimates. However, without this information, the FS cost estimates may not provide the accuracy expected (+50% to -30%). If removal and

disposal of this material is a selected remedial action, the volume estimate could be refined in the design phase as part of a pre-design investigation.

2. Similar to the depth of the contaminated soils, the thickness of the contaminated sediments in Lower Ley Creek along the entire 2-mile stretch of the site is not known. Based on the existing data, sediment contamination has been estimated to extend as deep as 96 inches bwsi. The areal extent of the contaminated sediment is estimated to be approximately 640,000 square feet with an estimated volume of contaminated sediment of approximately 190,000 cubic yards. This may result in the FS estimate not providing the accuracy expected (+50% to -30%). If removal of the contaminated sediment is a selected remedial action, the volume estimate could be refined in the design phase as part of a pre-design investigation.

9.2 RECOMMENDED REMEDIAL ACTION OBJECTIVES

RAOs are developed to specify the requirements that the remedial action alternatives must fulfill to protect human health and the environment. Lower Ley Creek has two primary media of concern, sediment and soils, and two secondary media of concern, surface water and fish tissue.

Chemicals that are present in soil pose potential risks to human health via direct contact. Chemicals that are present in sediment also pose potential risk to human health via direct contact and are available for partitioning into fish tissue and the surface water. Consequently, actions that address chemicals in sediment will also address chemicals in fish tissue and surface water. This applies to fish and other aquatic organisms with limited range. These organisms would be exposed to contaminated sediment for extended periods of time resulting in an increased probability of partitioning of chemicals in sediment to fish tissue. Therefore, only RAOs for the sediment and soils have been developed as follows for the conduct of the FS.

The RAOs recommended for Lower Ley Creek are:

- **RAO 1 (Sediment for Human Health)**: Prevent exposure to sediment containing contaminants in excess of applicable or relevant and appropriate requirements (ARAR) or posing a total excess cancer risk greater than the risk management range (10^{-6} to 10^{-4}) for all contaminants.
- **RAO 2 (Sediment for Human Health)**: Prevent exposure to sediment containing contaminants in excess of ARARs or having a total HI of greater than 1.
- **RAO 3 (Sediment for Ecological Risk)**: Prevent exposure to sediment containing contaminants that would result in significant adverse effects to aquatic ecological receptors.
- **RAO 4 (Soils for Human Health)**: Prevent exposure to soils containing contaminants in excess of ARARs or posing a total excess cancer risk greater than the risk management range (10^{-6} to 10^{-4}) for all contaminants.
- **RAO 5 (Soils for Human Health)**: Prevent exposure to soils containing contaminants in excess of ARARs or having a total HI of greater than 1.

10.0 REFERENCES

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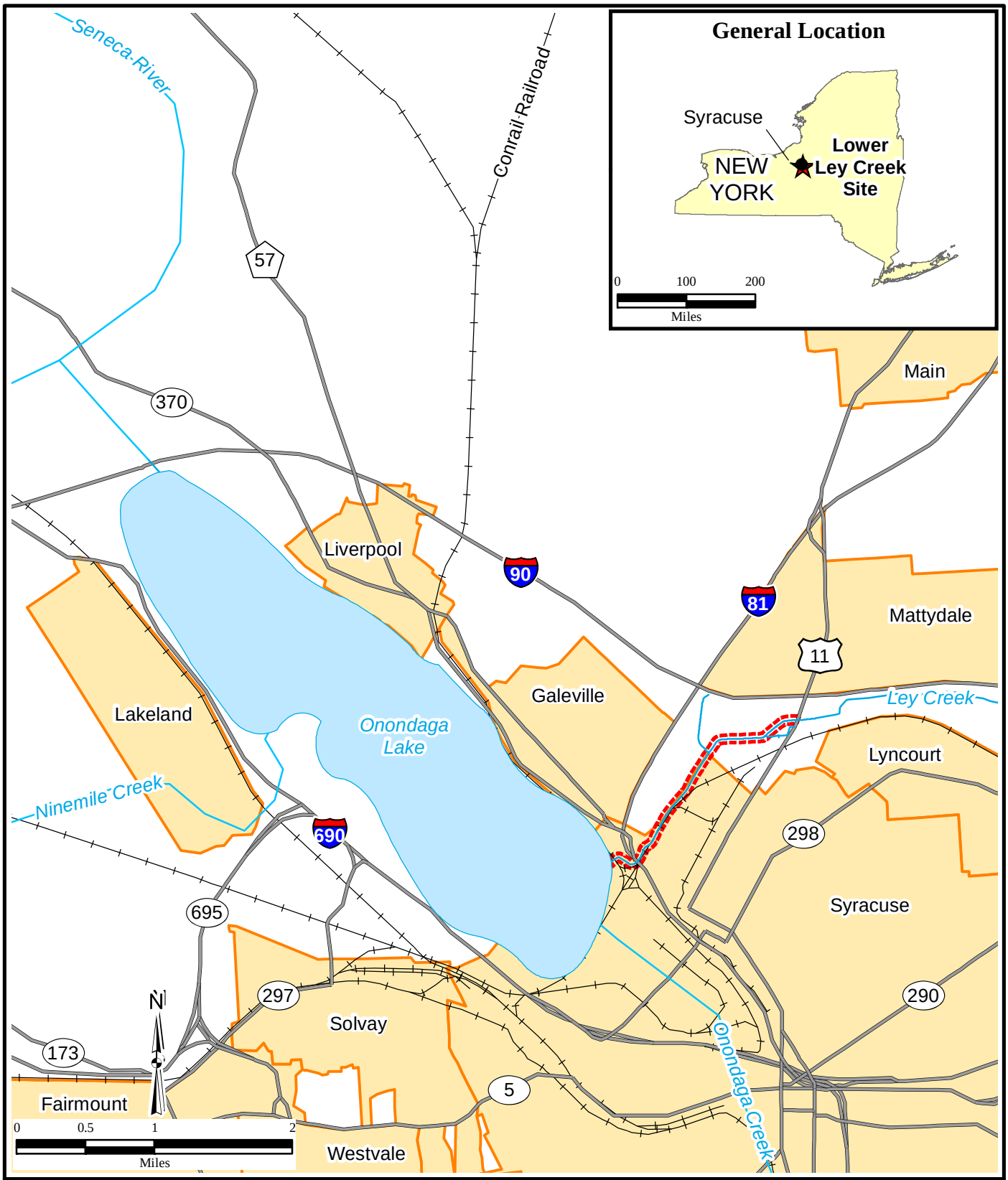
FIGURES



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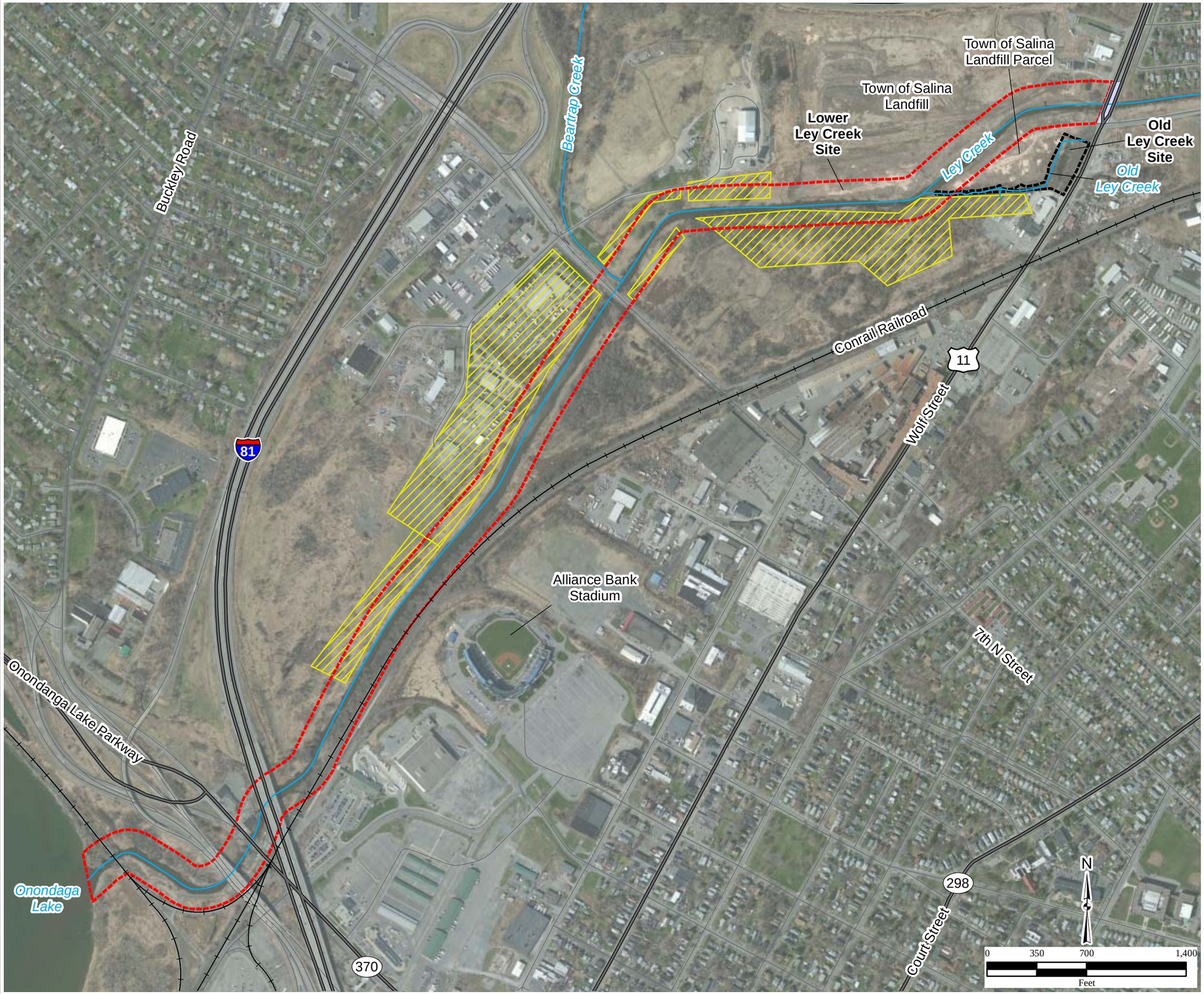
2/11/2013 TB
Source: HGL, ESRI, ArcGIS Online Bing Maps Aerial

Legend

- Highway
- Railroad
- Surface Water Course
- City Limit
- Lower Ley Creek Site

Figure 1.1
Site Location

Figure 1.2
Site Layout



Legend

- Surface Water Course
- Road
- Highway
- Railroad
- Soil Sampling Area
- Old Ley Creek Site Boundary
- 150' from Lower Ley Creek (Site Boundary)

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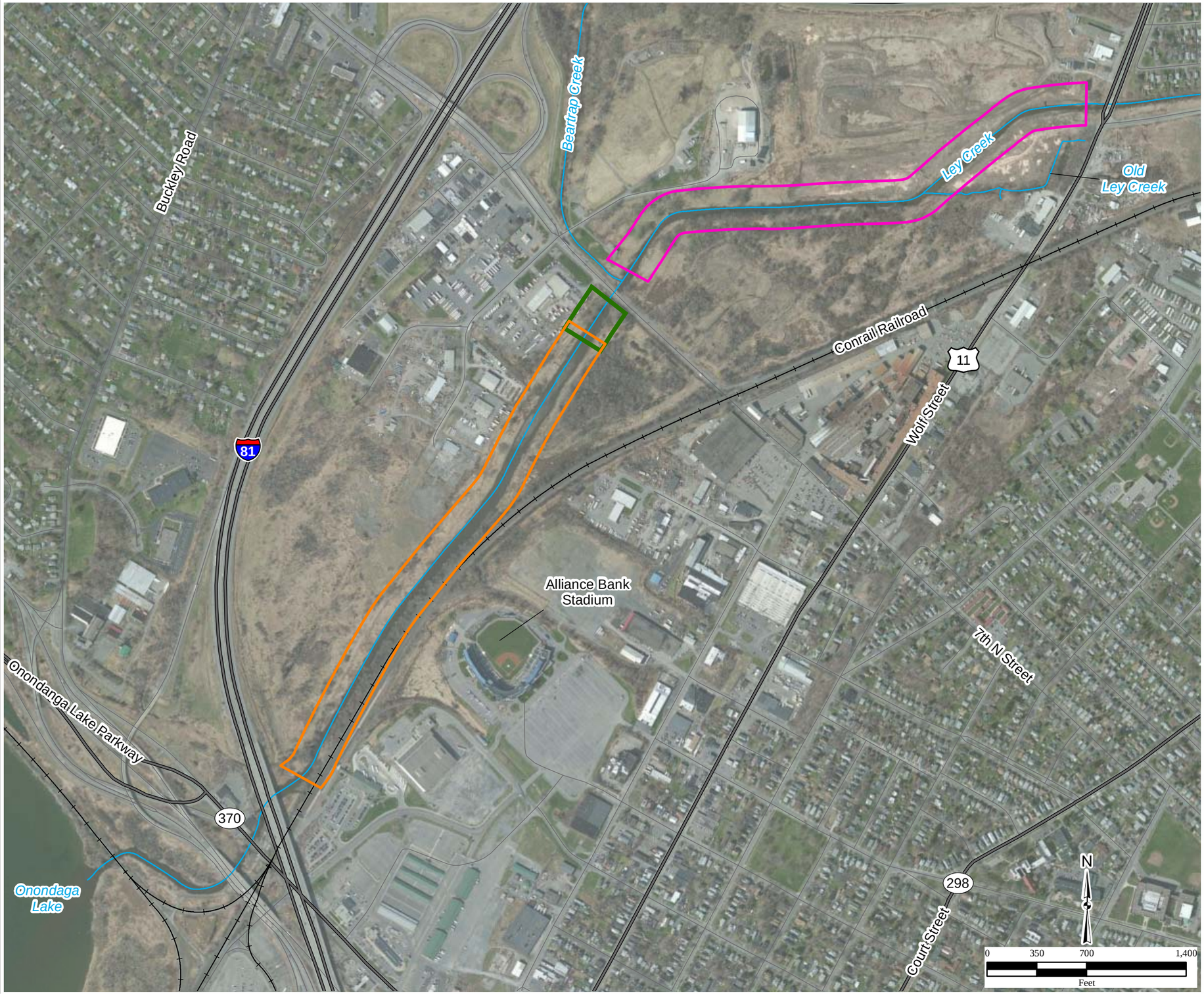
2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 2.1
Fish Sampling Areas



Legend

- Surface Water Course
- Road
- Highway
- Railroad

Fish Sampling Areas:

- Upstream–Edible and Forage Fish
- Middle–Forage Fish Only
- Downstream–Edible and Forage Fish

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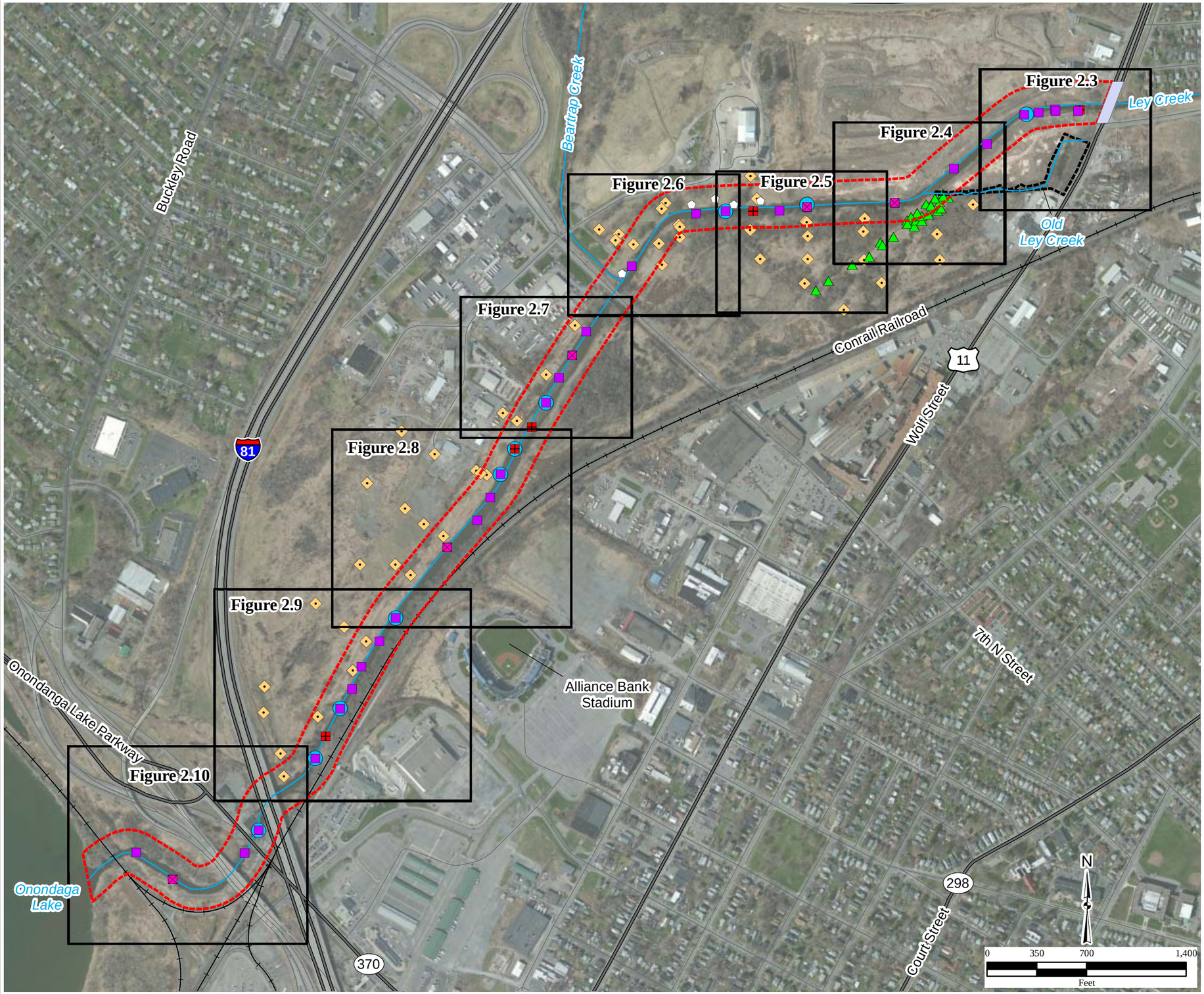
2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

Figure 2.2
Locations of Figures 2.3-2.10
(Inset Map Locations)



Legend

Lower Ley Creek Sample Locations (by medium):

- Sediment
- Surface Sediment (toxicity testing, 10-day chironomus)
- Surface Sediment (toxicity testing, 10-day chironomus and 28-day hyallela)
- Soil
- Swale (0–6", 6–12", 30–36", 54–60" bgs)
- Dredge Area
- Surface Water
- Old Ley Creek Site Boundary
- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
Inset maps indicate areas shown in corresponding sample location maps, figures 5–12.

bgs=below ground surface

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2/12/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

Figure 2.3
West of Route 11
Sample Locations

Legend

Lower Ley Creek Sample Locations (by medium):

- Sediment
- Surface Sediment (toxicity testing, 10-day chironomus)
- Surface Water
- Old Ley Creek Site Boundary
- 150' from Lower Ley Creek (Site Boundary)

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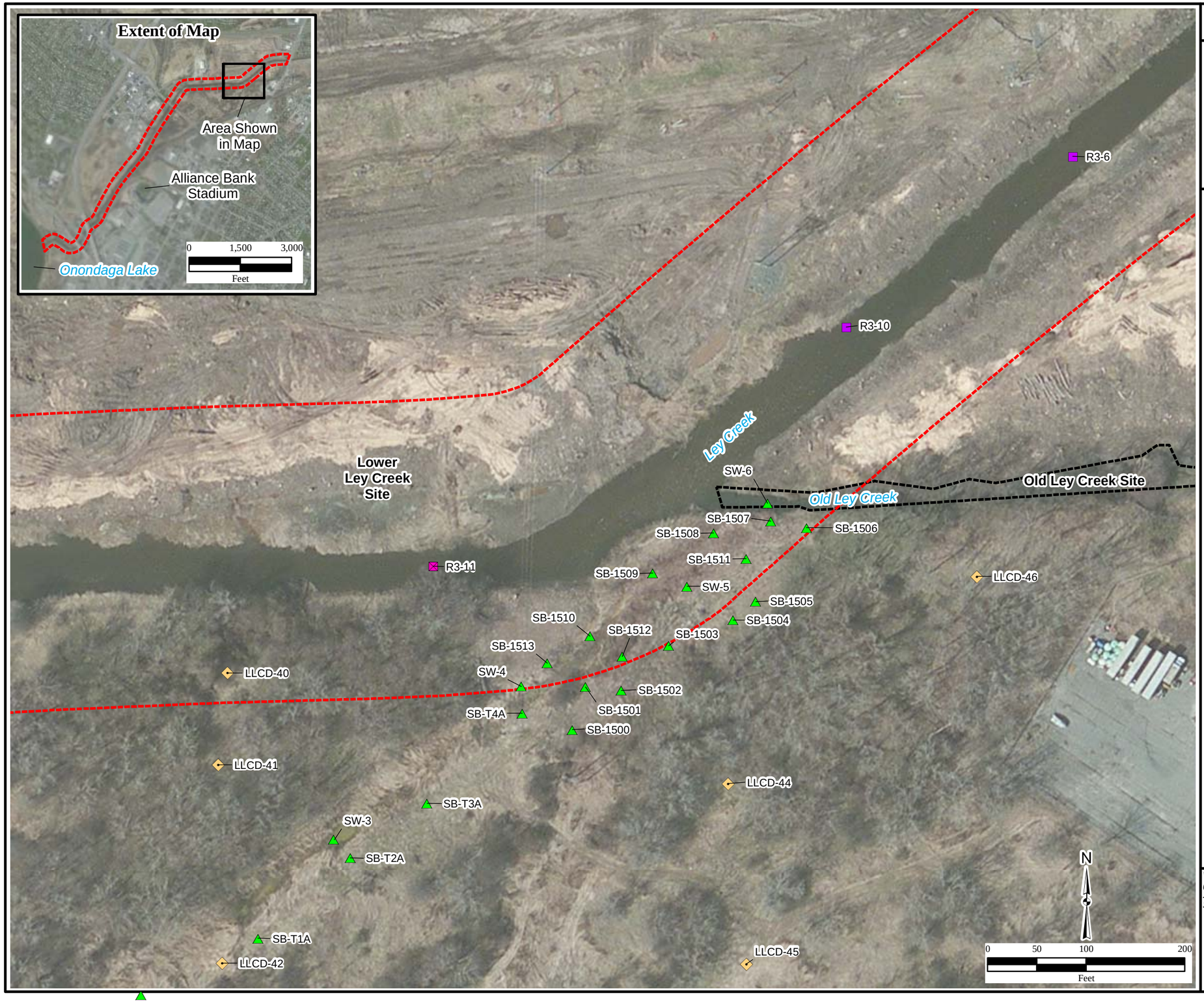
2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

Figure 2.4
Eastern Swale Sample Locations



Legend

Lower Ley Creek Sample Locations (by medium):

- Sediment
- Surface Sediment (toxicity testing, 10-day chironomus and 28-day hyallela)
- Soil
- Swale (0–6", 6–12", 30–36", 54–60" bgs)
- Old Ley Creek Site Boundary
- 150' from Lower Ley Creek (Site Boundary)

Note:
bgs=below ground surface

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Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 2.5
Western Swale Sample Locations

Legend

Lower Ley Creek Sample Locations (by medium):

- Sediment
- Surface Sediment (toxicity testing, 10-day chironomus)
- Surface Sediment (toxicity testing, 10-day chironomus and 28-day hyallela)
- Soil
- Swale (0–6", 6–12", 30–36", 54–60" bgs)
- Dredge Area
- Surface Water
- 150' from Lower Ley Creek (Site Boundary)

Note:
bgs=below ground surface

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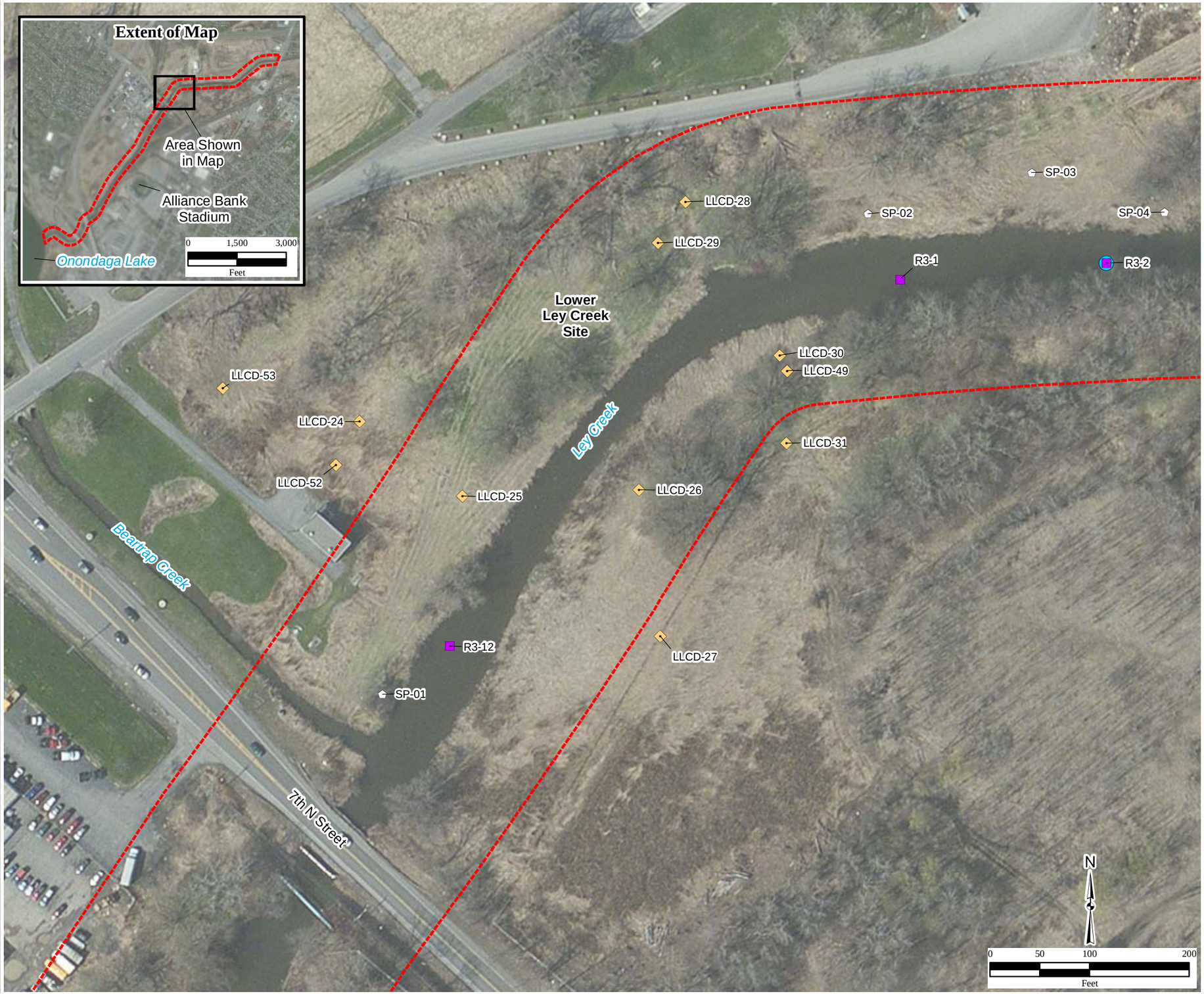
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc



HGL—Draft RI Report—Lower Ley Creek Subsite of the Onondaga Lake Superfund Site, Syracuse, NY

Figure 2.6
Northeast of 7th North Street Bridge Intersection Sample Locations

Legend

Lower Ley Creek Sample Locations (by medium):

- Sediment
- Soil
- Dredge Area
- Surface Water
- 150' from Lower Ley Creek (Site Boundary)

Note:
bgs=below ground surface

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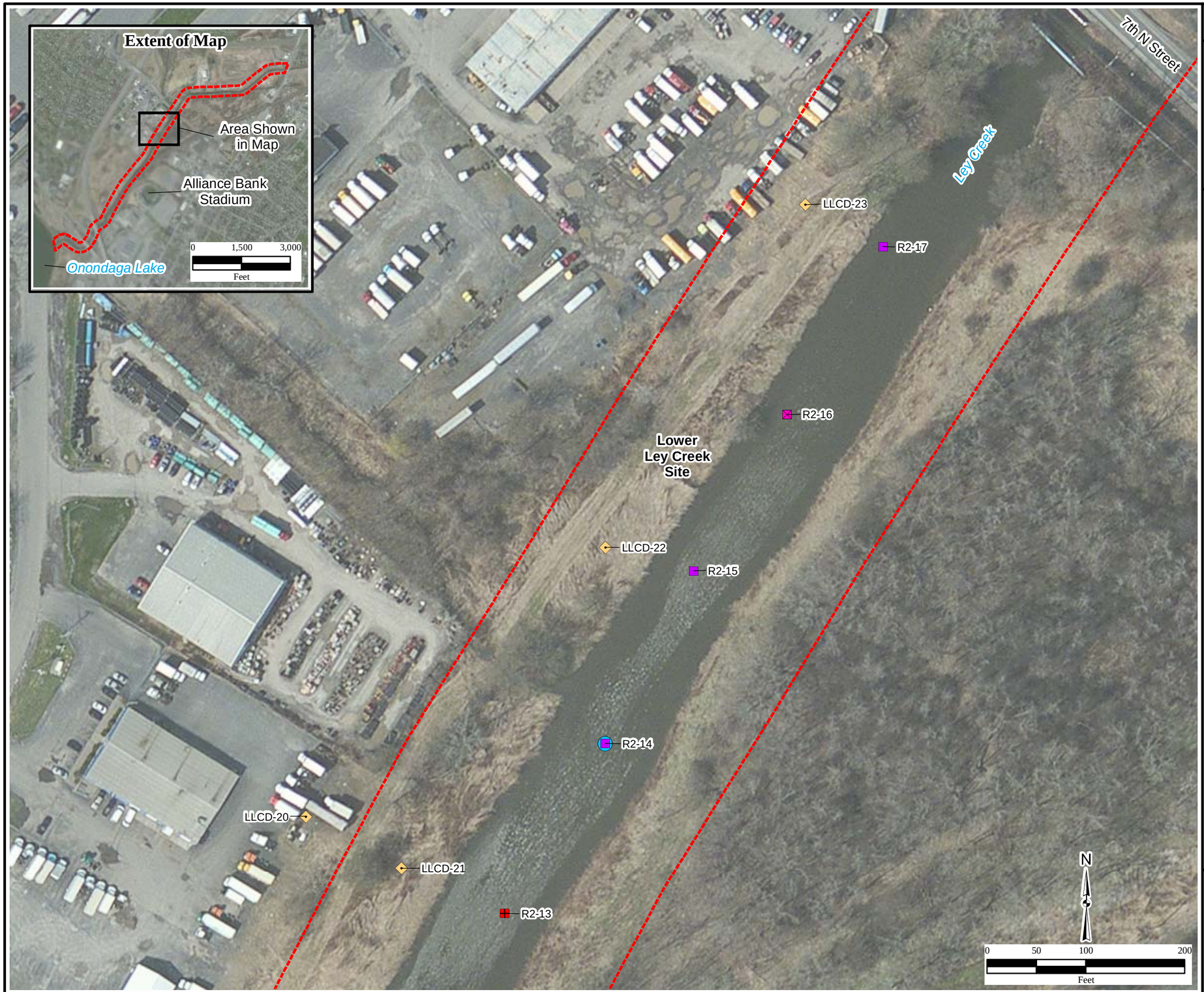
2/12/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc.

Figure 2.7
Southwest of 7th North Street Bridge Intersection Sample Locations



Legend

Lower Ley Creek Sample Locations (by medium):

- Sediment
- Surface Sediment (toxicity testing, 10-day chironomus)
- Surface Sediment (toxicity testing, 10-day chironomus and 28-day hyallela)
- Soil
- Surface Water
- 150' from Lower Ley Creek (Site Boundary)

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Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

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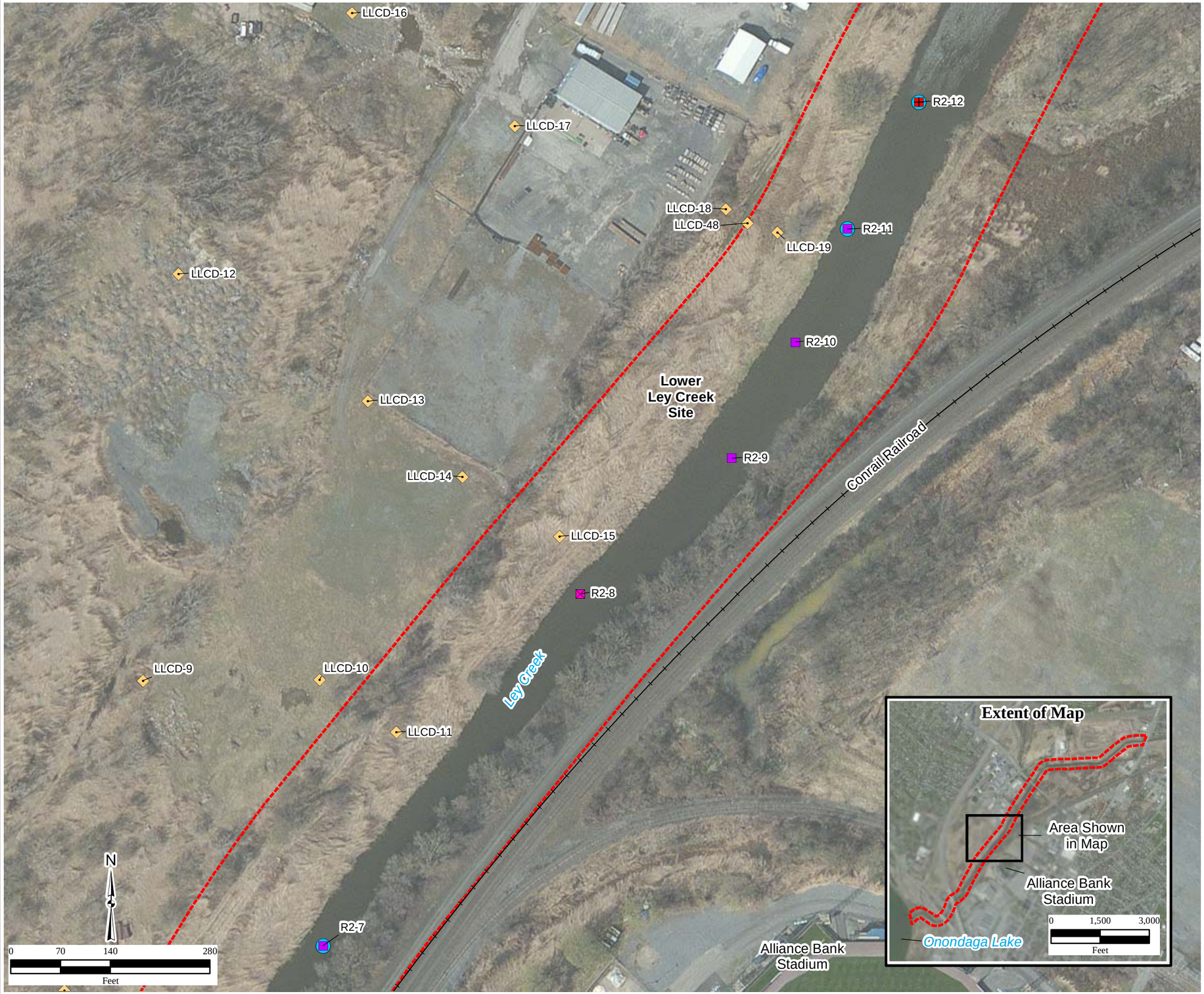
Figure 2.8
Northwest of Alliance Bank Stadium Sample Locations



Legend

Lower Ley Creek Sample Locations (by medium):

- Sediment
- Surface Sediment (toxicity testing, 10-day chironomus)
- Surface Sediment (toxicity testing, 10-day chironomus and 28-day hyallela)
- Soil
- Surface Water
- 150' from Lower Ley Creek (Site Boundary)
- Railroad

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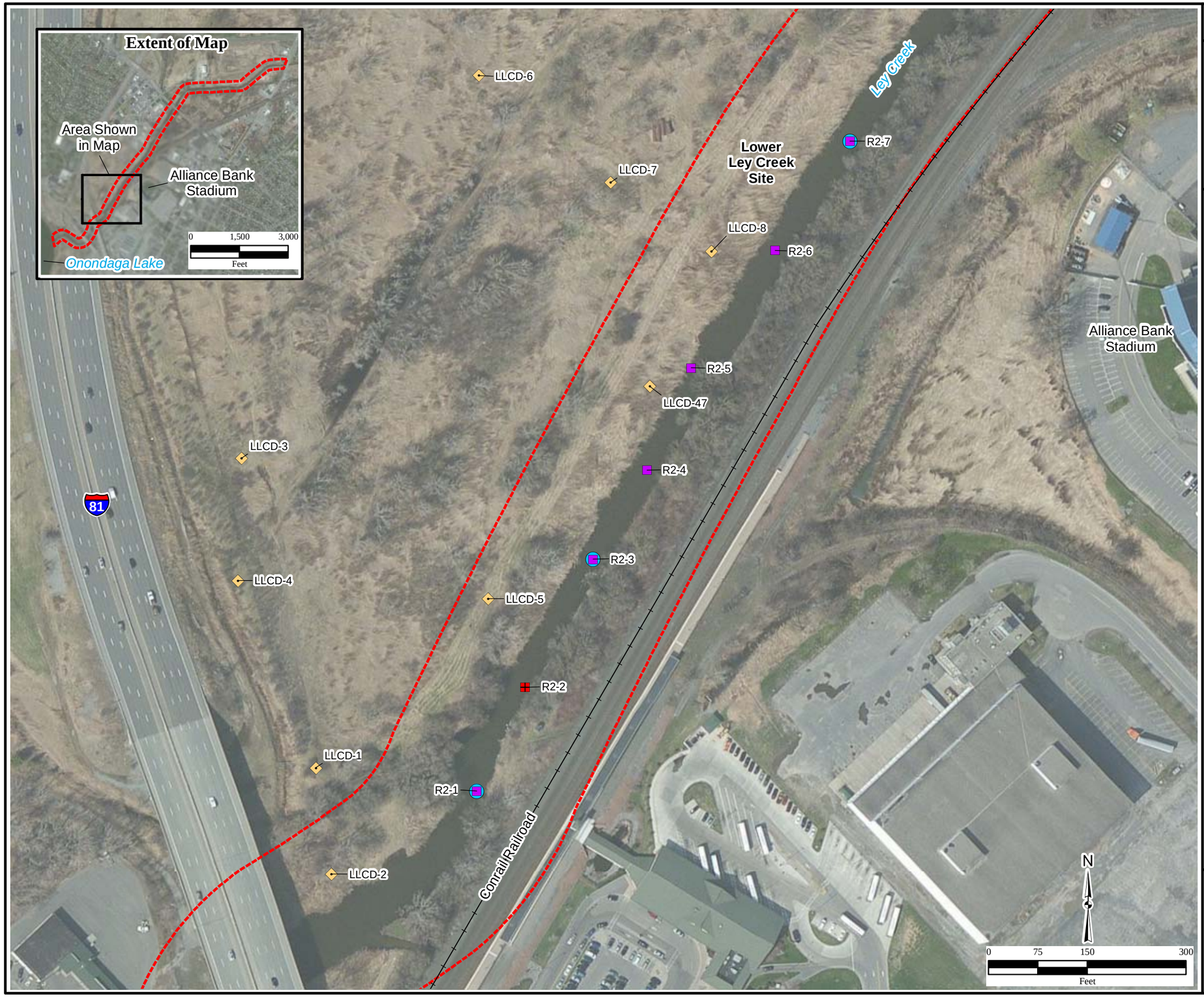
2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 2.9
Northeast of Interstate 81 Sample Locations



Legend

Lower Ley Creek Sample Locations (by medium):

- Sediment
- Surface Sediment (toxicity testing, 10-day chironomus)
- Soil
- Surface Water
- 150' from Lower Ley Creek (Site Boundary)
- Railroad

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Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

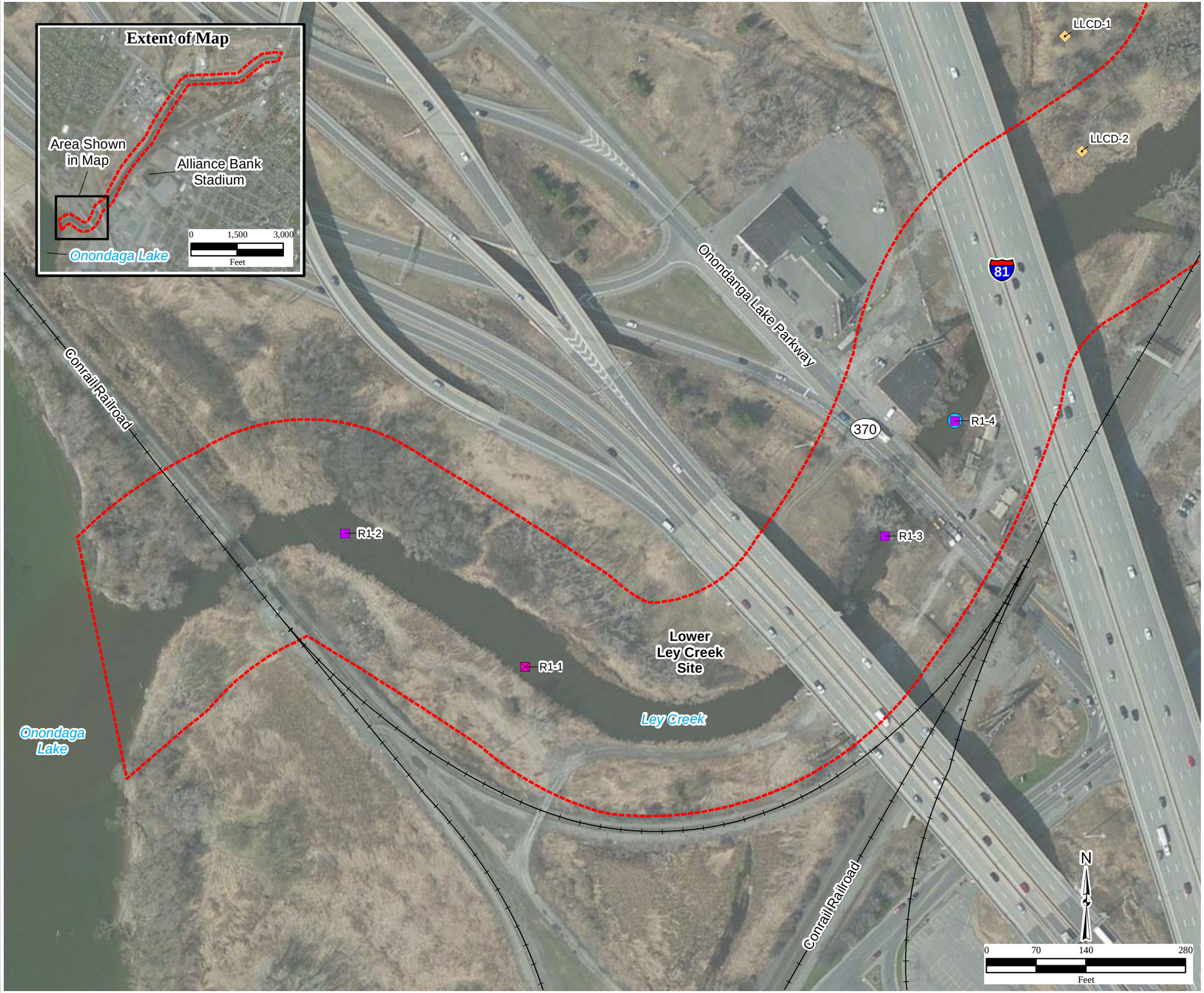

Figure 2.10
Between Interstate 81 and Onondaga Lake Sample Locations

Legend

Lower Ley Creek Sample Locations (by medium):

- Sediment
- Surface Sediment (toxicity testing, 10-day chironomus and 28-day hyallela)
- Soil
- Surface Water
- 150' from Lower Ley Creek (Site Boundary)
- Railroad

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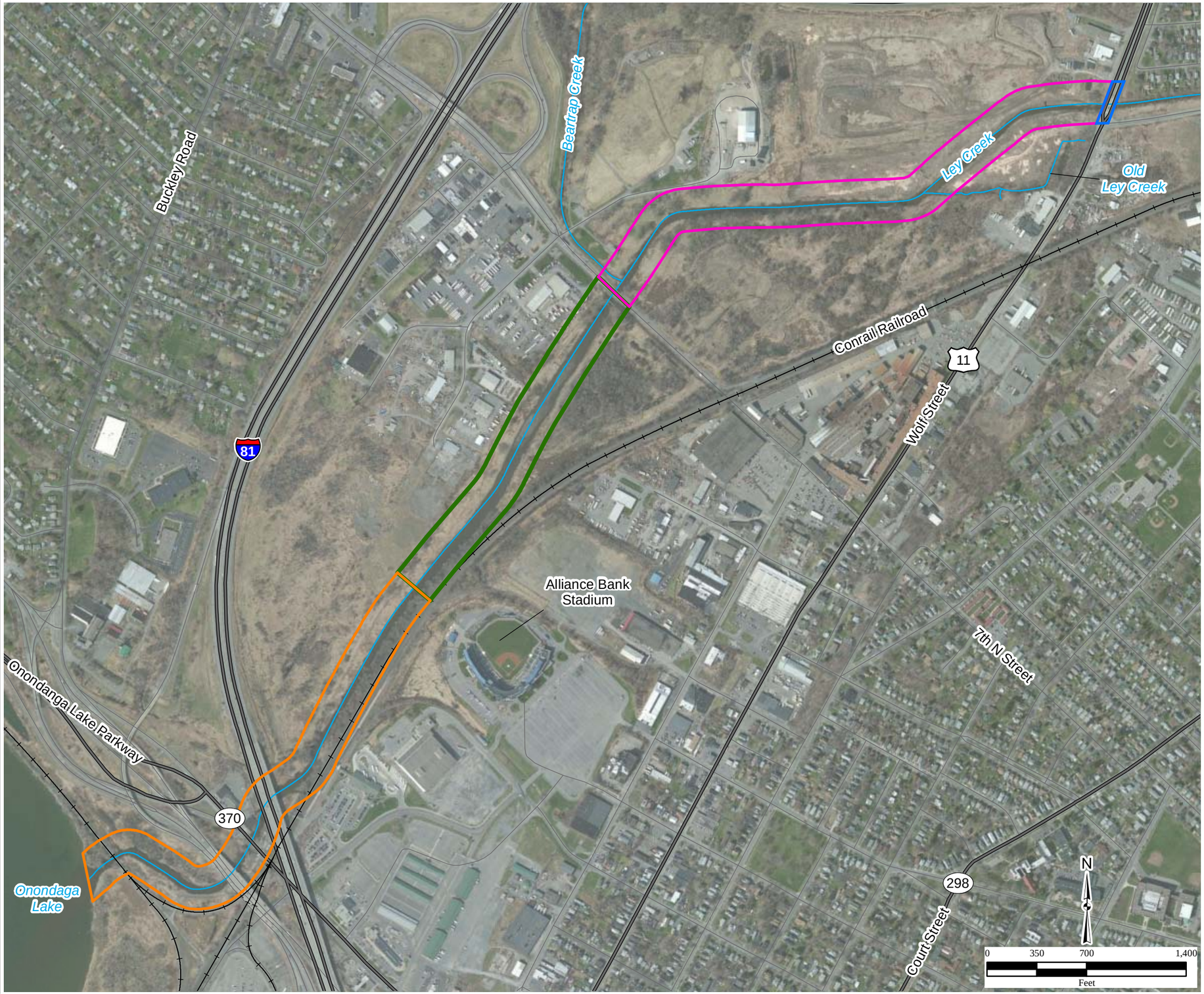
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc.

Figure 5.1
Reach 1A, Upstream, Middle, and Downstream Sections of Lower Ley Creek



Legend

- Surface Water Course
- Road
- Highway
- Railroad

Sections of Lower Ley Creek:

- Upstream
- Middle
- Downstream
- Reach 1A

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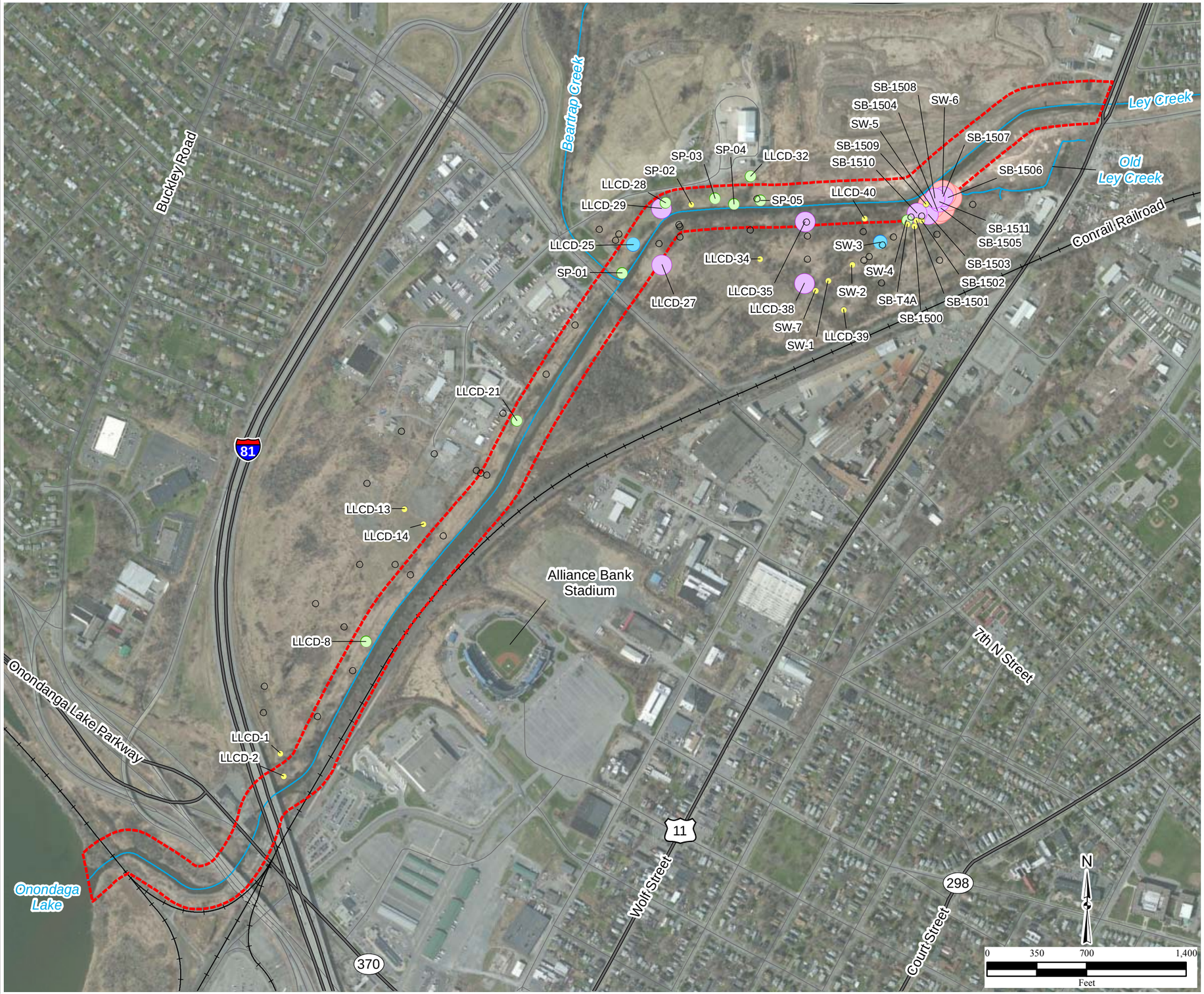
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

Figure 5.2
Maximum PCB Concentrations in Soil by Location



Legend

PCB Concentrations at Soil Sample Locations (µg/kg):

- ≤1,000
- >1,000–5,000
- >5,000–10,000
- >10,000–250,000
- >25,0000
- Other Soil Sample Location
- SP-04 Sample Location Identification
- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
Highest result (aroclor-1242, aroclor-1248, or aroclor-1260) is used for concentration value.

µg/kg=micrograms per kilogram
PCB=polychlorinated biphenyl

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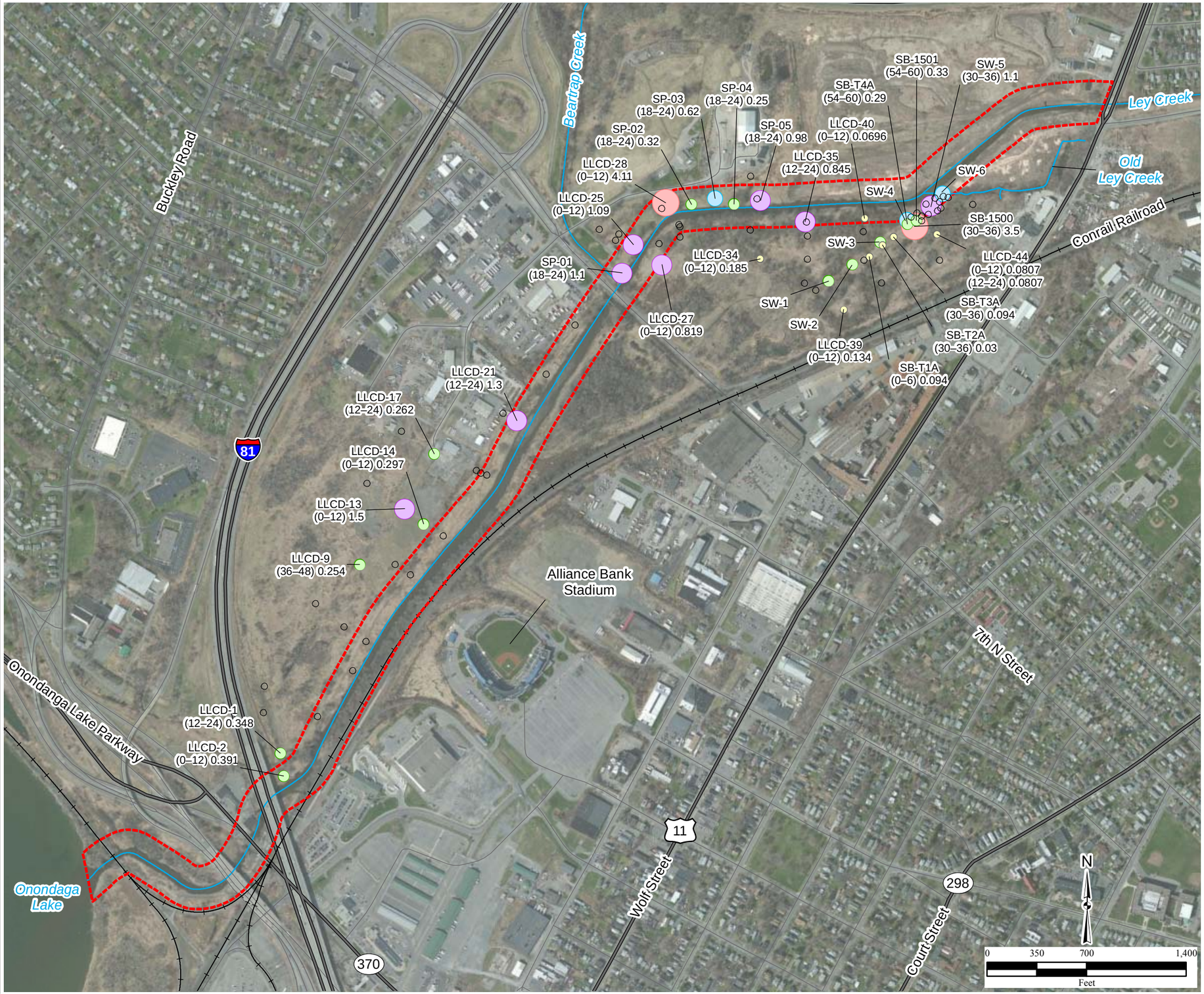
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 5.3
Maximum Mercury Concentrations in Soil by Location



Legend

Mercury Concentrations at Soil Sample Locations (mg/kg):

- ≤0.2
- >0.2–0.4
- >0.4–0.8
- >0.8–2.0
- >2.0

Other Soil Sample Location

SB-1500 — Sample Location Identification
(30–36) 3.5 — Mercury Concentration (mg/kg)
Depth (inches bgs)

150' from Lower Ley Creek (Site Boundary)

Surface Water Course

Road

Highway

Railroad

Notes:
bgs=below ground surface
mg/kg=milligrams per kilogram

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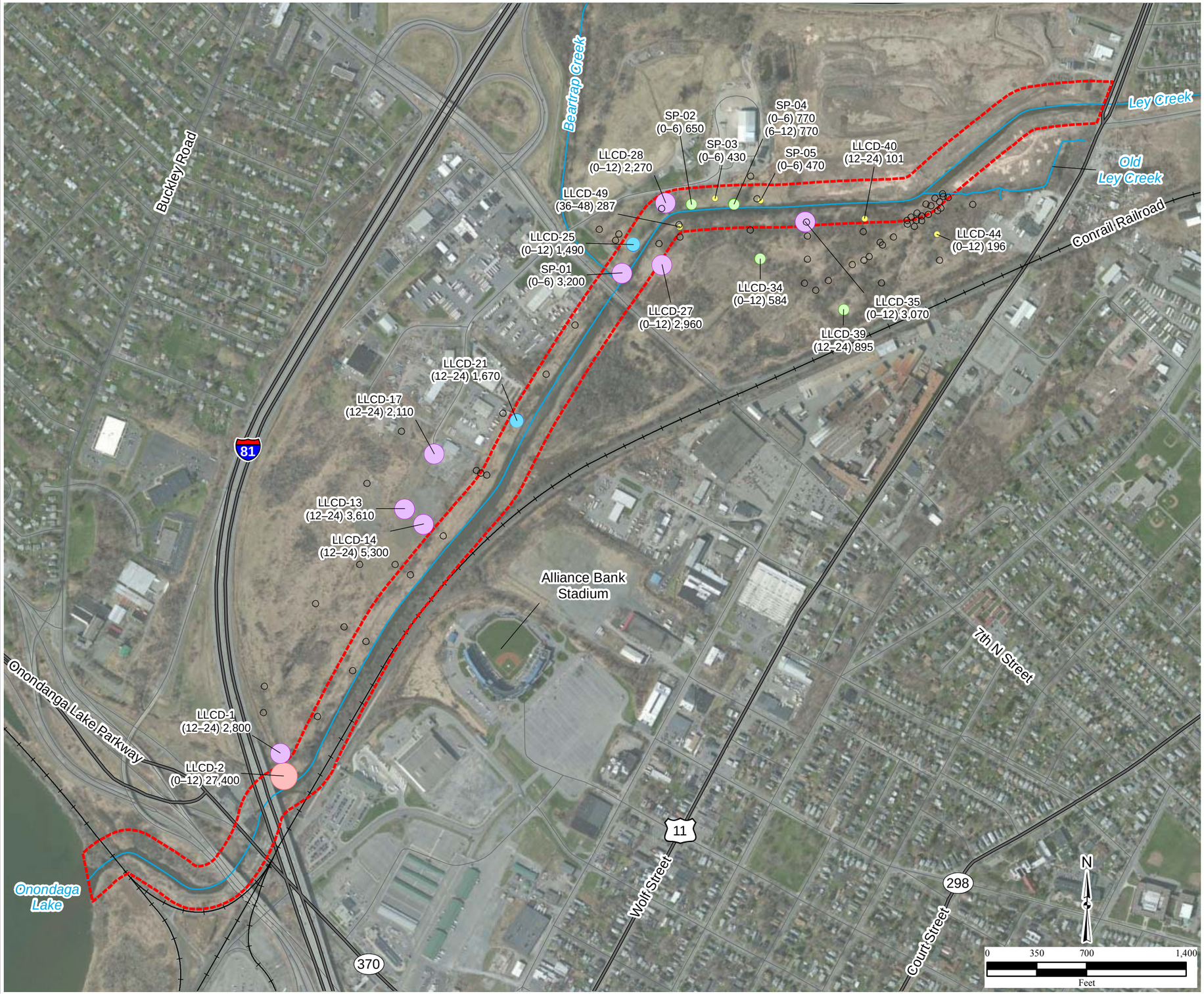
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 5.4
Maximum Benzo(a)pyrene Concentrations in Soil by Location



Legend

Benzo(a)pyrene Concentrations at Soil Sample Locations (µg/kg):

- ≤500
- >500–1,000
- >1,000–2,000
- >2,000–6,000
- >6,000
- Other Soil Sample Location

SP-05 — Sample Location Identification
(0–6) 470 — Benzo(a)pyrene Concentration (µg/kg)
└ Depth (inches bgs)

- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
µg/kg=micrograms per kilogram
bgs=below ground surface

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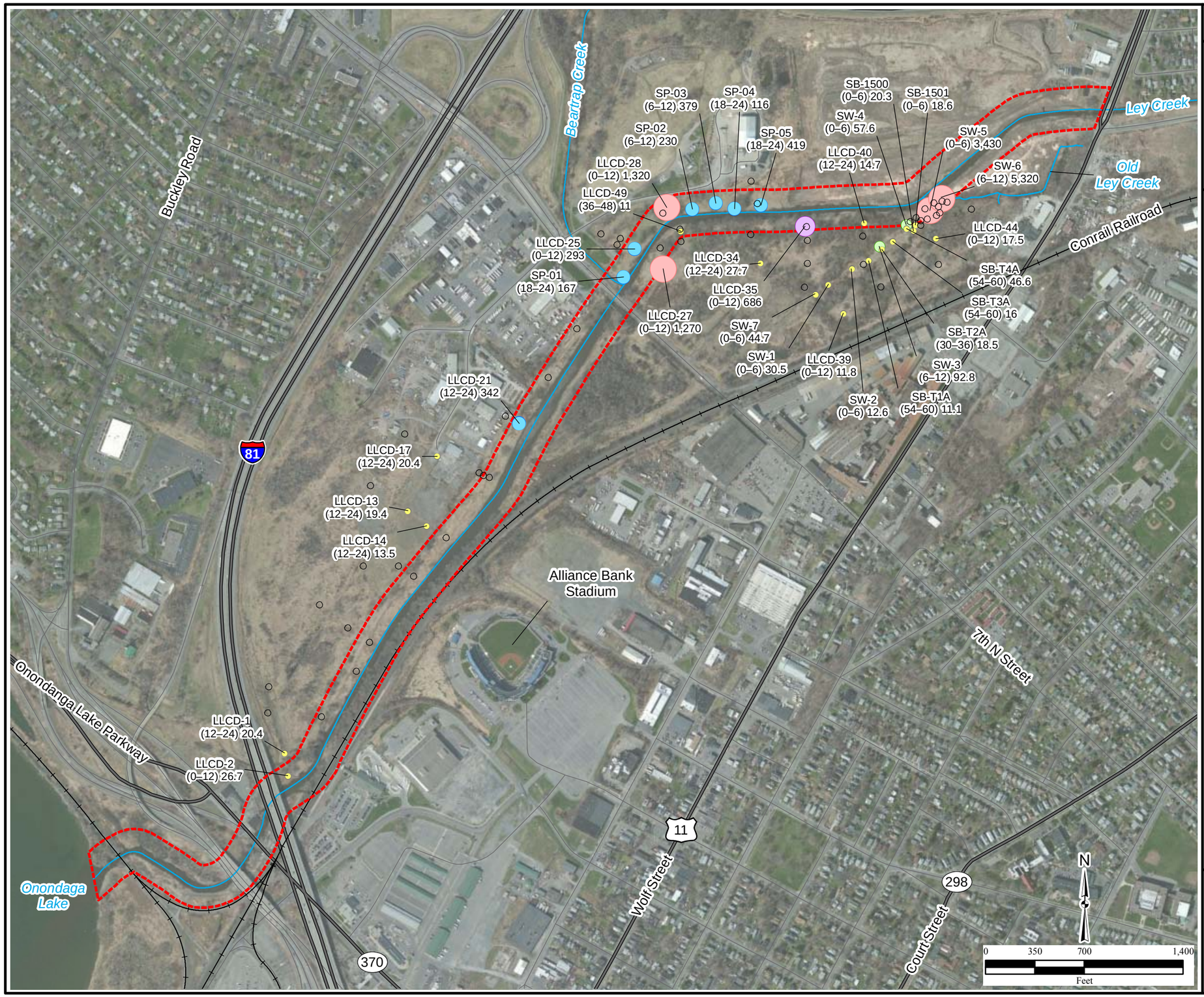
2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 5.5
Maxiumum Chromium Concentrations in Soil by Location



Legend

Chromium Concentrations at Soil Sample Locations (mg/kg):

- ≤50
- >50–100
- >100–500
- >500–1,000
- >1,000
- Other Soil Sample Location

SB-1501—Sample Location Identification
(0–6) 18.6—Chromium Concentration (mg/kg)
└———Depth (inches bgs)

- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
bgs=below ground surface
mg/kg=milligrams per kilogram

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2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 5.6
Maximum 4,4'-DDE and 4,4'-DDT Concentrations in Soil by Location

Legend

4,4'-DDE and 4,4'-DDT Concentrations at Soil Sample Locations (µg/kg):

- ≤15
- >15–20
- >20
- Other Soil Sample Location
- SP-04 Sample Location Identification
- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
Highest result (4,4'-DDE or 4,4'-DDT) used for concentration value.

µg/kg=micrograms per kilogram
DDE=dichlorodiphenyldichloroethylene
DDT=dichlorodiphenyltrichloroethane

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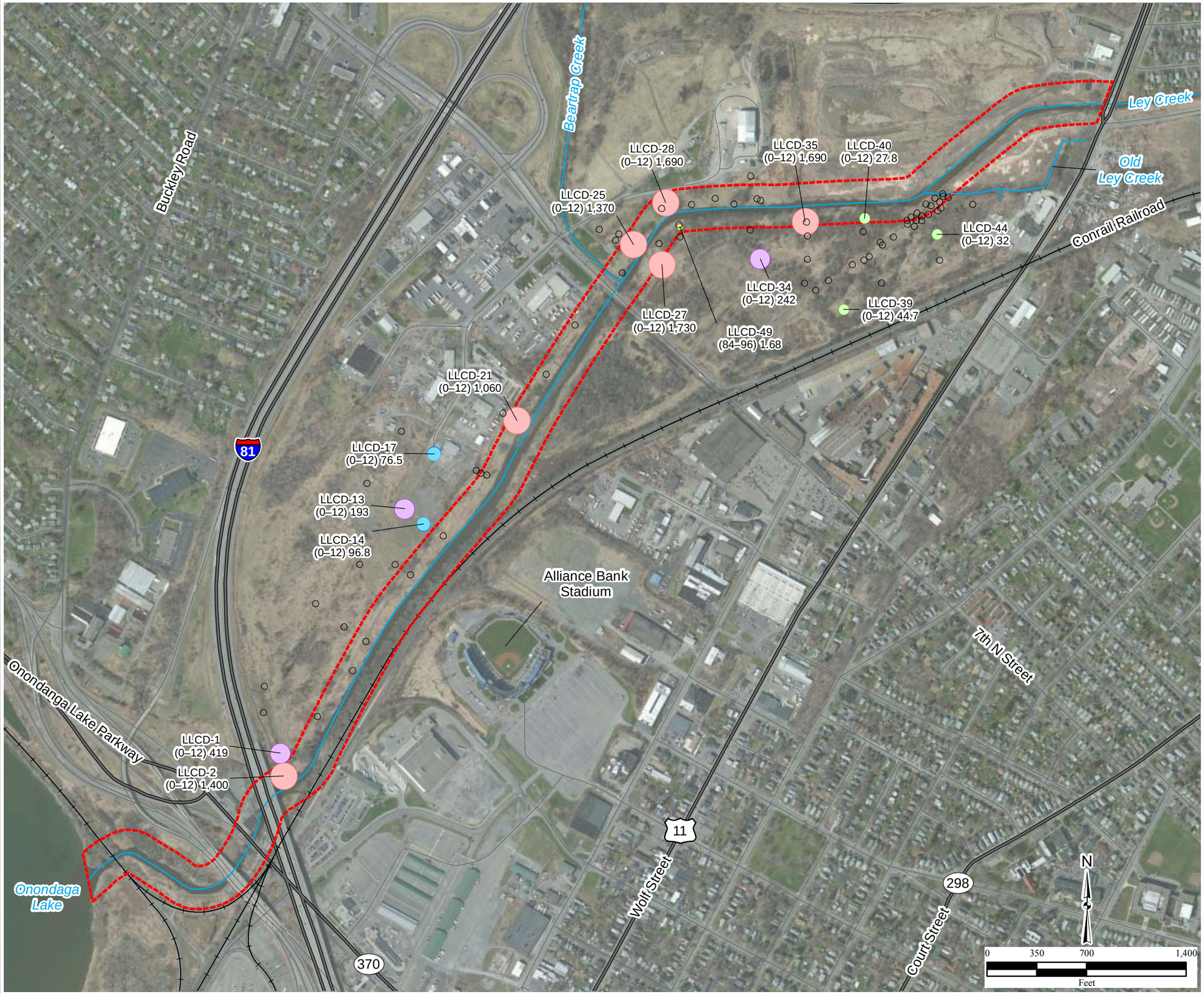
2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 5.7
Maximum Total HpCDD Concentrations in Soil by Location



Legend

Total HpCDD Concentrations at Soil Sample Locations (ng/kg):

- ≤10
- >10–50
- >50–100
- >100–500
- >500
- Other Soil Sample Location

LLCD-44—Sample Location Identification
(0–12) 32—Total HpCDD Concentration (ng/kg)
└———Depth (inches bgs)

- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
bgs=below ground surface
hpCDD=heptachlorodibenzo-p-dioxin
ng/kg=nanograms per kilogram

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Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

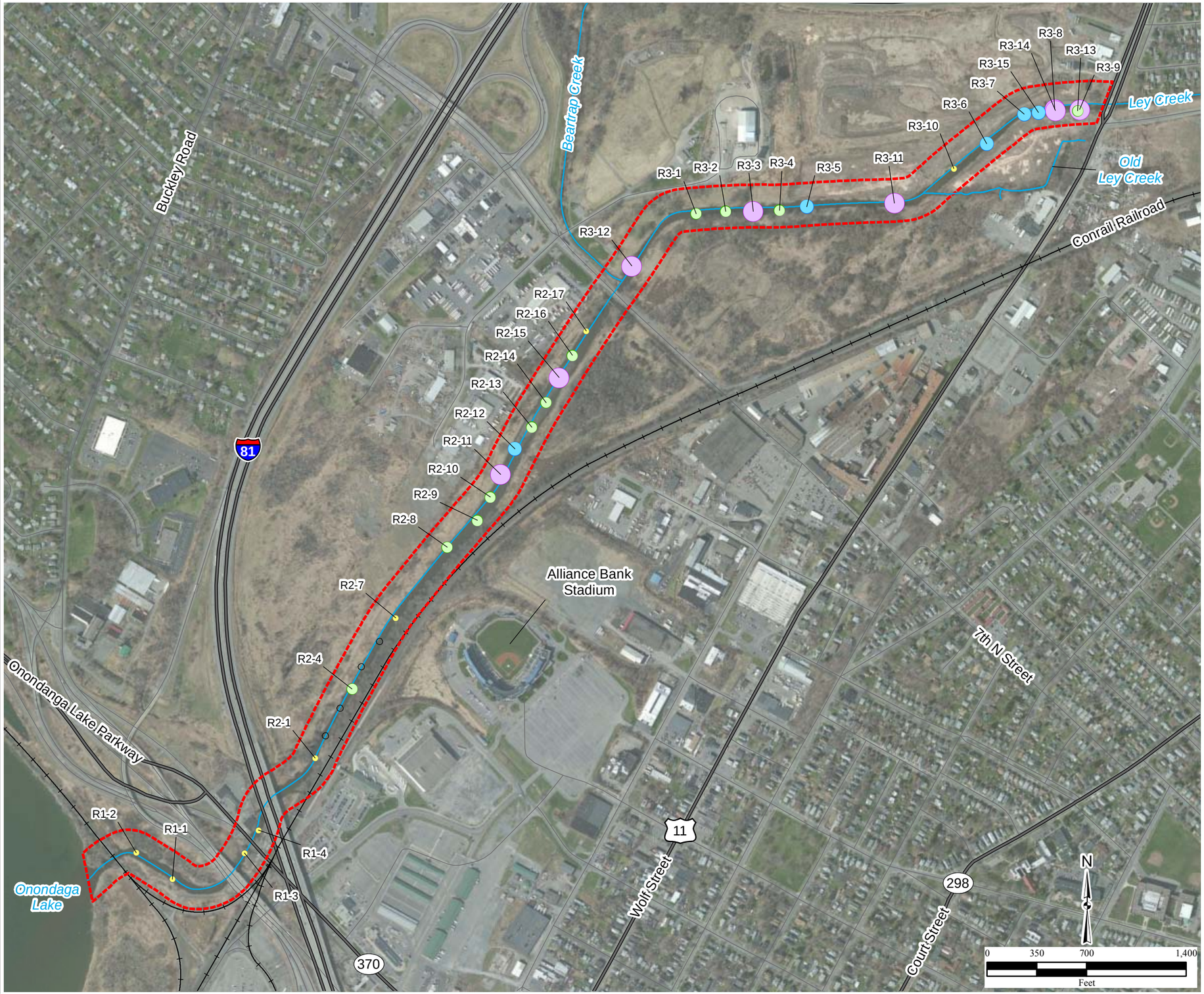

Figure 5.8
Maximum PCB Concentrations in Sediment by Location

Legend

PCB Concentrations at Sediment Sample Locations (µg/kg):

- ≤1,000
- >1,000–5,000
- >5,000–10,000
- >10,000
- Other Sediment Sample Location
- R3-7 Sample Location Identification
- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
Highest result (aroclor-1242, aroclor-1248, or aroclor-1260) is used for concentration value.

µg/kg=micrograms per kilogram
PCB=polychlorinated biphenyl

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Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

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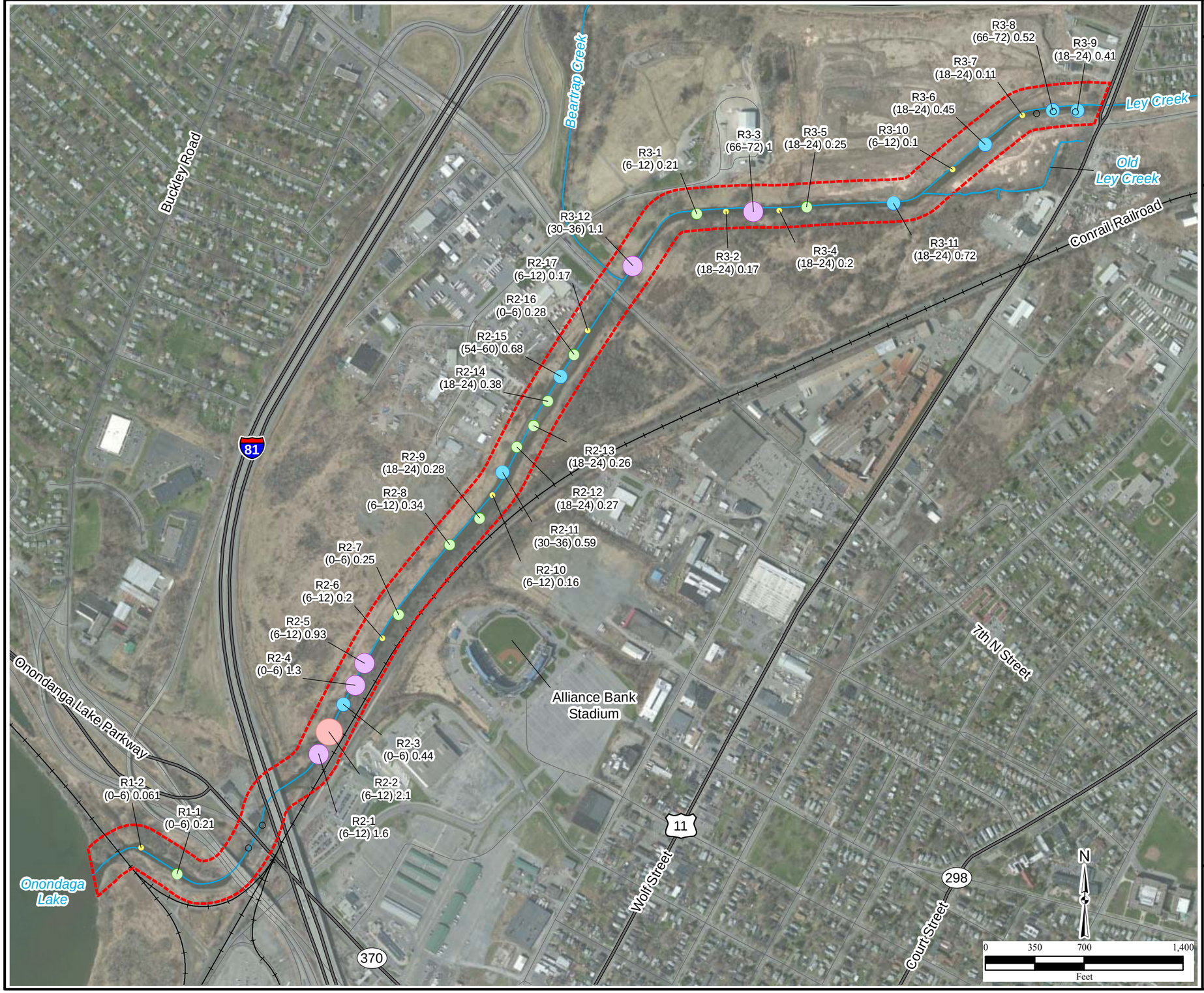
Figure 5.9
Maximum Mercury Concentrations in Sediment by Location



Legend

Mercury Concentrations at Sediment Sample Locations (mg/kg):

- ≤0.2
- >0.2–0.4
- >0.4–0.8
- >0.8–2.0
- >2.0

○ Other Sediment Sample Location

R3-3 — Sample Location Identification
(66–72) 1 — Mercury Concentration (mg/kg)
Depth (inches bgs)

- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
bgs=below ground surface
mg/kg=milligrams per kilogram

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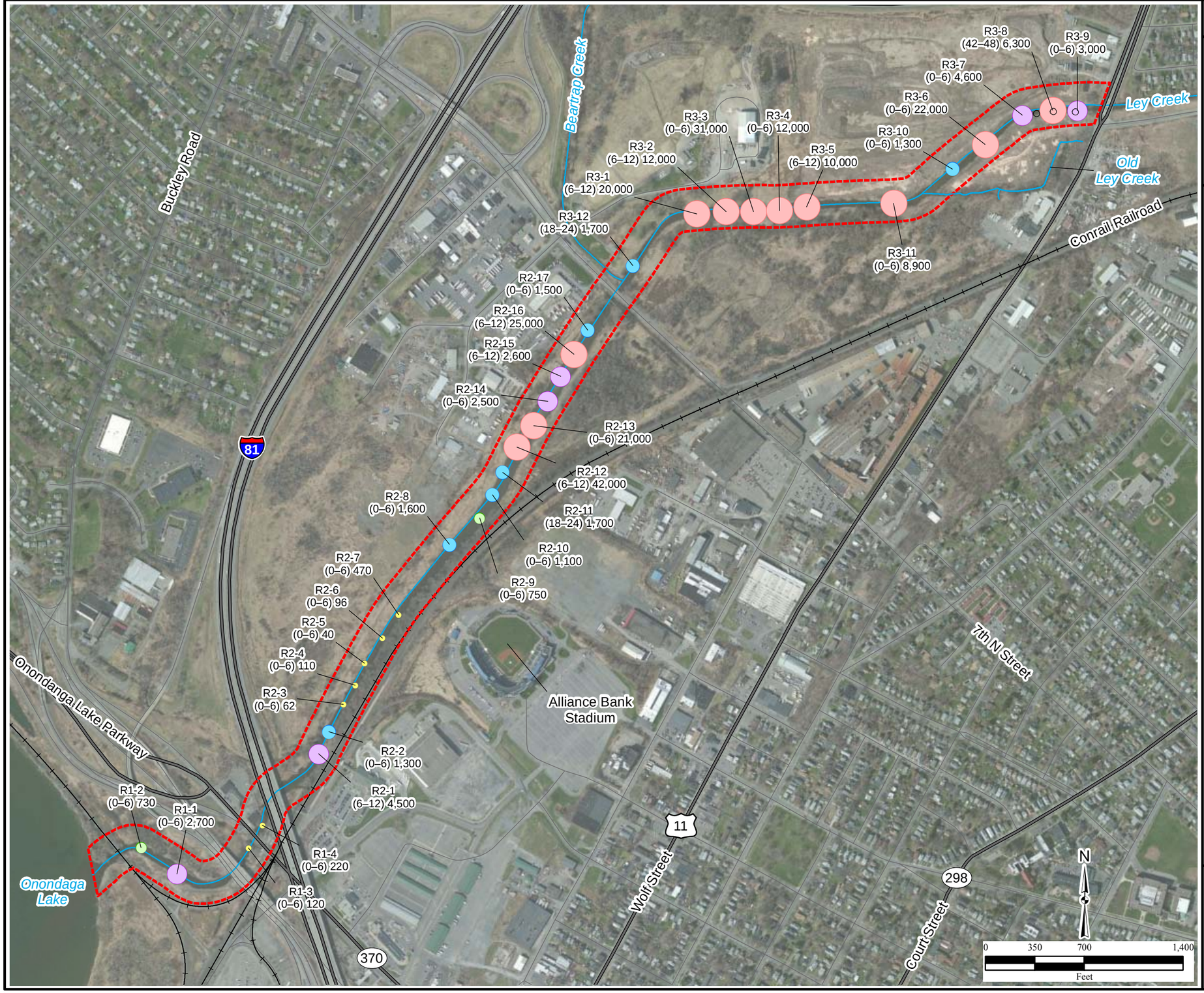
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 5.10
Maximum Benzo(a)pyrene Concentrations in Sediment by Location



Legend

Benzo(a)pyrene Concentrations at Sediment Sample Locations (µg/kg):

- ≤500
- >500–1,000
- >1,000–2,000
- >2,000–6,000
- >6,000

○ Other Sediment Sample Location

R2-5 — Sample Location Identification
(0–6) 40 — Benzo(a)pyrene Concentration (µg/kg)
Depth (inches bgs)

150' from Lower Ley Creek (Site Boundary)

Surface Water Course

Road

Highway

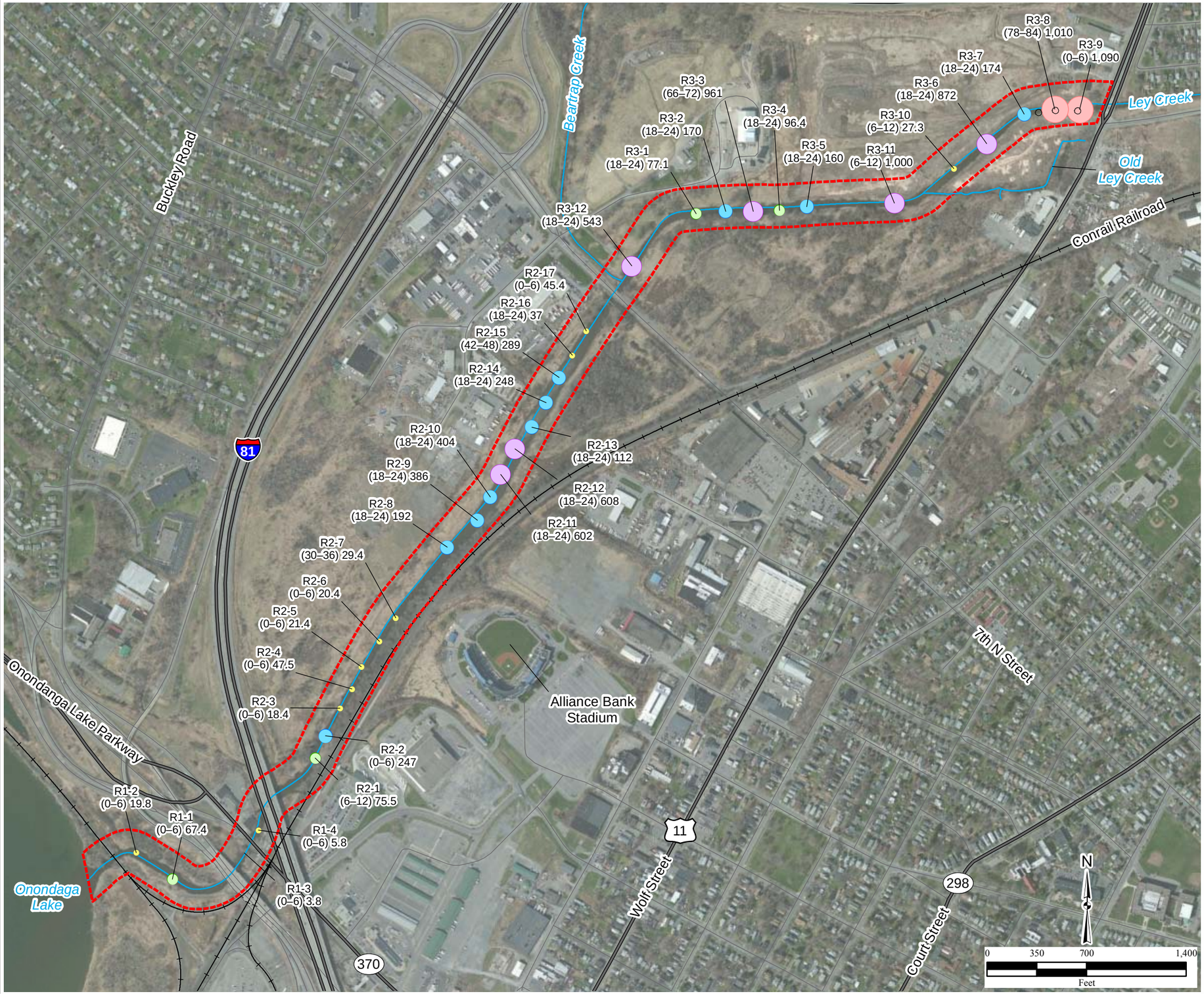
Railroad

Notes:
µg/kg=micrograms per kilogram
bgs=below ground surface

\\Gst-srv-01\hglgis\Ley_Creek_MSIW\Draft_RI\(5-10)sediment_benzoapyrene.mxd
2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 5.11
Maximum Chromium Concentrations in Sediment by Location



Legend

Chromium Concentrations at Sediment Sample Locations (mg/kg):

- ≤50
- >50–100
- >100–500
- >500–1,000
- >1,000
- Other Sediment Sample Location
- R2-4 — Sample Location Identification
- (0–6) 47.5 — Chromium Concentration (mg/kg)
- Depth (inches bgs)
- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
bgs=below ground surface
mg/kg=milligrams per kilogram

\\Gst-srv-01\hglgis\Ley_Creek_MSIW\Draft_RI\(5-11)sediment_chromium.mxd
2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 5.12
Maximum 4,4'-DDE and 4,4'-DDT Concentrations in Sediment by Location

Legend

4,4'-DDE and 4,4'-DDT Concentrations at Sediment Sample Locations (µg/kg):

- ≤10
- >10–20
- >20–40
- >40–100
- >100

- Other Sediment Sample Location
- R3-4 Sample Location Identification
- 150' from Lower Ley Creek (Site Boundary)
- Surface Water Course
- Road
- Highway
- Railroad

Notes:
Highest result (4,4'-DDE or 4,4'-DDT) used for concentration value.

µg/kg=micrograms per kilogram
DDE=dichlorodiphenyldichloroethylene
DDT=dichlorodiphenyltrichloroethane

\\Gst-srv-01\hglgis\Ley_Creek_MSIW\Draft_RI\(5-12)sediment_DDE_DDT.mxd
3/4/2013 PD
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

HGL HydroGeoLogic, Inc

Figure 5.13
Maximum Total HpCDD Concentrations in Sediment by Location

Legend

Total HpCDD Concentrations at Sediment Sample Locations (ng/kg):

- ≤10
- >10–50
- >50–100
- >100–500
- >500

Other Sediment Sample Location

R3-7—Sample Location Identification
(0–6) 99—Total HpCDD Concentration (ng/kg)
└—Depth (inches bgs)

150' from Lower Ley Creek (Site Boundary)

Surface Water Course

Road

Highway

Railroad

Notes:
bgs=below ground surface
hpCDD=heptachlorodibenzo-p-dioxin
ng/kg=nanograms per kilogram

\\Gst-srv-01\hglgis\Ley_Creek_MSIW\Draft_RI\(5-13)sediment_HpCDD.mxd
2/11/2013 TB
Source: HGL, AE Engineering, ESRI, ArcGIS Online Bing Maps Aerial

TABLES

Table 2.1
Fish Sample Information

Sample ID	Individual	Fish Species	Type	Stream Location	Standard Length (cm)	Fork Length (cm)	Weight (g)
1-2-1	1	White Sucker	Edible	Downstream	27.2	29.1	331.6
	2	White Sucker	Edible	Downstream	26	28	271.5
	3	White Sucker	Edible	Downstream	24	26.5	291
	4	White Sucker	Edible	Downstream	20.5	23	161
	5	White Sucker	Edible	Downstream	20	22	166.6
1-2-2	1	White Sucker	Edible	Downstream	21	23.4	154.1
	2	White Sucker	Edible	Downstream	21	23.6	160.7
	3	White Sucker	Edible	Downstream	21.4	23.5	169.2
	4	White Sucker	Edible	Downstream	18.4	20.2	111.1
	5	White Sucker	Edible	Downstream	18.6	20.6	123.1
1-2-3	1	White Sucker	Edible	Downstream	18	20.1	78.1
	2	White Sucker	Edible	Downstream	18.2	19.9	100.8
	3	White Sucker	Edible	Downstream	17.2	19.5	90.1
	4	White Sucker	Edible	Downstream	17.3	19.5	92.1
	5	White Sucker	Edible	Downstream	16.8	17.6	63.4
1-2-4	1	White Sucker	Edible	Downstream	17.2	19.1	95.7
	2	White Sucker	Edible	Downstream	16.8	18.5	83
	3	White Sucker	Edible	Downstream	15.5	17.5	68.3
	4	White Sucker	Edible	Downstream	16	17.1	74
	5	White Sucker	Edible	Downstream	15.8	17.3	66.7
1-2-5	1	White Sucker	Edible	Downstream	18	103.3	103.3
	2	White Sucker	Edible	Downstream	15.4	66.3	66.3
	3	White Sucker	Edible	Downstream	16.8	84.5	84.5
	4	White Sucker	Edible	Downstream	15	61.6	61.6
	5	White Sucker	Edible	Downstream	13.2	36.2	36.2
2-1-1	1	Sunfish	Forage	Downstream	8	9.1	20
	2	Sunfish	Forage	Downstream	9	10.1	26.8
	3	Sunfish	Forage	Downstream	6.5	7.2	9.7
	4	Sunfish	Forage	Downstream	8.4	9.7	23.4
	5	Sunfish	Forage	Downstream	7	8.4	11.7
	6	Sunfish	Forage	Downstream	7	7.8	18.4
	7	Sunfish	Forage	Downstream	6.5	7.4	13.2
	8	Sunfish	Forage	Downstream	10	11.9	36.3
	9	Sunfish	Forage	Downstream	8	9.5	19
	10	Sunfish	Forage	Downstream	8.4	9.7	24.3
	11	Sunfish	Forage	Downstream	9	10.1	26.6
	12	Sunfish	Forage	Downstream	7.1	8.4	12.2
	13	Sunfish	Forage	Downstream	7	7.8	12.9
	14	Sunfish	Forage	Downstream	7.8	9.6	21.5
	15	Sunfish	Forage	Downstream	8	9.5	20.2
	16	Sunfish	Forage	Downstream	10.1	11.4	47.1
	17	Sunfish	Forage	Downstream	8.2	9.1	18.6
	18	Sunfish	Forage	Downstream	6.5	7.5	10.5
	19	Sunfish	Forage	Downstream	7	8.4	12
	20	Sunfish	Forage	Downstream	6.5	8.1	12.3
	21	Sunfish	Forage	Downstream	8	9.1	19.4
	22	Sunfish	Forage	Downstream	6.5	7.4	12
	23	Sunfish	Forage	Downstream	6	7.1	10.3
	24	Sunfish	Forage	Downstream	6	7.2	11.1
	25	Sunfish	Forage	Downstream	6	7.1	11.4

Table 2.1
Fish Sample Information

Sample ID	Individual	Fish Species	Type	Stream Location	Standard Length (cm)	Fork Length (cm)	Weight (g)
4-4-1	1	Pike (fillet)	Edible	Upstream	30.3	36	246.4
	2	Pike (fillet)	Edible	Upstream	29.4	32.4	194.2
	3	Pike (fillet)	Edible	Upstream	26.3	29	181.1
5-2-1*	1	Creek Chub	Forage	Upstream	17	20.2	101.3
	2	Creek Chub	Forage	Upstream	13	14.8	43.1
	3	Creek Chub	Forage	Upstream	14	15.8	40.8
	4	Creek Chub	Forage	Upstream	13	14.8	46.6
	5	Creek Chub	Forage	Upstream	13.1	15.3	34.8
	6	Creek Chub	Forage	Upstream	12.8	14.6	16.4
	7	Creek Chub	Forage	Upstream	9.8	11.5	22.3
	8	Creek Chub	Forage	Upstream	8.1	9.4	10.1
5-2-2*	1	Creek Chub	Forage	Upstream	17.8	19.5	93.8
	2	Creek Chub	Forage	Upstream	16.9	19.1	99.2
	3	Creek Chub	Forage	Upstream	11	12.3	26
	4	Creek Chub	Forage	Upstream	15	17.2	76.3
	5	Creek Chub	Forage	Upstream	14.5	17	75.5
	6	Creek Chub	Forage	Upstream	14.3	16.6	68.9
	7	Creek Chub	Forage	Upstream	8	9	8.6
	8	Creek Chub	Forage	Upstream	8.1	9.1	9.6
	9	Creek Chub	Forage	Upstream	7.2	8.3	6.3
	10	Creek Chub	Forage	Upstream	8	9	8.6
4-3-1	1	White Sucker	Edible	Upstream	18.3	20.9	106.2
	2	White Sucker	Edible	Upstream	16.6	18.7	85.7
	3	White Sucker	Edible	Upstream	15	16.5	72.8
	4	White Sucker	Edible	Upstream	14.5	16.8	50.3
	5	White Sucker	Edible	Upstream	15	17.4	77.8
	6	White Sucker	Edible	Upstream	15.8	18	65.8
	7	White Sucker	Edible	Upstream	13.5	15.4	52.9
	8	White Sucker	Edible	Upstream	14	16	50.7
	9	White Sucker	Edible	Upstream	12.1	14	38.2
4-2-1	1	Carp (smaller fillets)	Edible	Upstream	20	22.5	231.9
	2	Carp (smaller fillets)	Edible	Upstream	18.5	20.3	180.4
	3	Carp (smaller fillets)	Edible	Upstream	17.5	19.4	149.8
	4	Carp (smaller fillets)	Edible	Upstream	17	19	138.3
	5	Carp (smaller fillets)	Edible	Upstream	14.5	16	93.7
	6	Carp (smaller fillets)	Edible	Upstream	13	14.4	79.3
	7	Carp (smaller fillets)	Edible	Upstream	11.8	13.3	59.5
	8**	Carp (smaller fillets)	Edible	Upstream	9.5	N/A	27.6
2-2-1*	1	"Minnows" (small)	Forage	Downstream	9.5	10.6	73.7
	2	"Minnows" (small)	Forage	Downstream	11.2	12.3	53.8
	3	"Minnows" (small)	Forage	Downstream	9.5	10.5	31.9
	4	"Minnows" (small)	Forage	Downstream	9	9.9	24.7
	5	"Minnows" (small)	Forage	Downstream	8.5	9.4	20.9
	6	"Minnows" (small)	Forage	Downstream	9.5	10.5	24.3
	7	"Minnows" (small)	Forage	Downstream	8	8.5	23.1
	8	"Minnows" (small)	Forage	Downstream	14	15.5	22
	9	"Minnows" (small)	Forage	Downstream	12.8	14.4	21.3
	10	"Minnows" (small)	Forage	Downstream	11.8	23.9	25.8
	11	"Minnows" (small)	Forage	Downstream	10.7	11.3	18.1
	12	"Minnows" (small)	Forage	Downstream	9.5	10.5	11.5
	13	"Minnows" (small)	Forage	Downstream	10	11	12.2

Table 2.1
Fish Sample Information

Sample ID	Individual	Fish Species	Type	Stream Location	Standard Length (cm)	Fork Length (cm)	Weight (g)
2-2-1* (cont.)	14	"Minnows" (small)	Forage	Downstream	10.5	11.4	15.7
	15	"Minnows" (small)	Forage	Downstream	9.8	10.6	10
2-2-2*	1	"Minnows" (small)	Forage	Downstream	16.1	17.3	91.1
	2	"Minnows" (small)	Forage	Downstream	14.8	16.8	64.7
	3	"Minnows" (small)	Forage	Downstream	13	14.5	59.2
	4	"Minnows" (small)	Forage	Downstream	13	14.4	58.4
	5	"Minnows" (small)	Forage	Downstream	13.2	14.5	51.1
	6	"Minnows" (small)	Forage	Downstream	12.1	13.3	46.5
	7	"Minnows" (small)	Forage	Downstream	12.5	13.8	50.2
	8	"Minnows" (small)	Forage	Downstream	11	12	31.9
	9	"Minnows" (small)	Forage	Downstream	10.9	11.7	26.2
	10	"Minnows" (small)	Forage	Downstream	12.2	13.4	38.7
	11	"Minnows" (small)	Forage	Downstream	12.7	13.9	41.2
	12	"Minnows" (small)	Forage	Downstream	11	12.2	30.9
	13	"Minnows" (small)	Forage	Downstream	12.2	13.4	47.3
	14	"Minnows" (small)	Forage	Downstream	11.4	12.5	30.1
	15	"Minnows" (small)	Forage	Downstream	11	12.2	26.6
	16	"Minnows" (small)	Forage	Downstream	10.5	11.5	24.3
	17	"Minnows" (small)	Forage	Downstream	9.5	10.8	21
	18	"Minnows" (small)	Forage	Downstream	10.5	11.6	22
	19	"Minnows" (small)	Forage	Downstream	9.8	11.1	17.8
	20	"Minnows" (small)	Forage	Downstream	10	11	22
	21	"Minnows" (small)	Forage	Downstream	8.6	9.3	14.4
	22	"Minnows" (small)	Forage	Downstream	9.8	11.1	20.2
	23	"Minnows" (small)	Forage	Downstream	11	12.1	25.5
	24	"Minnows" (small)	Forage	Downstream	10.2	11.7	20.1
	25	"Minnows" (small)	Forage	Downstream	9.5	10.5	20
	26	"Minnows" (small)	Forage	Downstream	9	10	15.8
	27	"Minnows" (small)	Forage	Downstream	9.3	10.6	19.2
	28	"Minnows" (small)	Forage	Downstream	10.2	11.5	20.8
	29	"Minnows" (small)	Forage	Downstream	14.2	15.5	61.4
	30	"Minnows" (small)	Forage	Downstream	10.5	11.8	21.7
	31	"Minnows" (small)	Forage	Downstream	11	12	22.9
	32	"Minnows" (small)	Forage	Downstream	11.2	12.5	27.3
	33	"Minnows" (small)	Forage	Downstream	10	11	18
	34	"Minnows" (small)	Forage	Downstream	10.3	11.4	18.1
	35	"Minnows" (small)	Forage	Downstream	10.2	11.3	21.6
	36	"Minnows" (small)	Forage	Downstream	10.5	11.6	18.7
	37	"Minnows" (small)	Forage	Downstream	10.5	11.6	20.8
	38	"Minnows" (small)	Forage	Downstream	10.6	11.7	19.6
	39	"Minnows" (small)	Forage	Downstream	9.9	11	19
	40	"Minnows" (small)	Forage	Downstream	9.5	10.5	19
	41	"Minnows" (small)	Forage	Downstream	9.8	10.9	18.5
	42	"Minnows" (small)	Forage	Downstream	14	14.5	45.1
	43	"Minnows" (small)	Forage	Downstream	11.5	12.8	30
	44	"Minnows" (small)	Forage	Downstream	10.5	11.6	25.8
	45	"Minnows" (small)	Forage	Downstream	10.4	11.5	19.6
	46	"Minnows" (small)	Forage	Downstream	10	11.1	19.9
	47	"Minnows" (small)	Forage	Downstream	10.9	12	23.2
	48	"Minnows" (small)	Forage	Downstream	10.3	11.4	16.9
	49	"Minnows" (small)	Forage	Downstream	9.8	11	18.1

Table 2.1
Fish Sample Information

Sample ID	Individual	Fish Species	Type	Stream Location	Standard Length (cm)	Fork Length (cm)	Weight (g)
2-2-2* (cont.)	50	"Minnows" (small)	Forage	Downstream	9.5	10.6	19
	51	"Minnows" (small)	Forage	Downstream	9.9	11	20.8
	52	"Minnows" (small)	Forage	Downstream	10	11.1	19.9
	53	"Minnows" (small)	Forage	Downstream	9.2	10.5	15.5
	54	"Minnows" (small)	Forage	Downstream	9	10	13.3
	55	"Minnows" (small)	Forage	Downstream	8.5	9.6	13
	56	"Minnows" (small)	Forage	Downstream	8.6	9.6	14.1
	57	"Minnows" (small)	Forage	Downstream	9.1	10.2	13.9
	58	"Minnows" (small)	Forage	Downstream	9	10	14.7
	59	"Minnows" (small)	Forage	Downstream	10.3	11.4	22.1
	60	"Minnows" (small)	Forage	Downstream	10	11	14.3
	61	"Minnows" (small)	Forage	Downstream	11	12.2	17.9
	62	"Minnows" (small)	Forage	Downstream	9.5	10.5	13.4
	63	"Minnows" (small)	Forage	Downstream	10	11	13.3
	64	"Minnows" (small)	Forage	Downstream	9.3	10.6	11
	65	"Minnows" (small)	Forage	Downstream	9.5	10.5	13.9
	66	"Minnows" (small)	Forage	Downstream	12	13.3	25.1
	67	"Minnows" (small)	Forage	Downstream	9.1	10.2	13.6
	68	"Minnows" (small)	Forage	Downstream	9	10	14.9
	69	"Minnows" (small)	Forage	Downstream	8.4	9.3	12.8
	70	"Minnows" (small)	Forage	Downstream	9	10	13.6
	71	"Minnows" (small)	Forage	Downstream	9.5	10.6	16.1
	72	"Minnows" (small)	Forage	Downstream	8	9	11.2
	73	"Minnows" (small)	Forage	Downstream	8	9.1	11.6
	74	"Minnows" (small)	Forage	Downstream	7.5	8.4	8.4
	75	"Minnows" (small)	Forage	Downstream	8	9	11.2
	76	"Minnows" (small)	Forage	Downstream	7.8	8.8	9.3
	77	"Minnows" (small)	Forage	Downstream	8.7	9.4	13.4
	78	"Minnows" (small)	Forage	Downstream	9.5	10.5	15.6
	79	"Minnows" (small)	Forage	Downstream	9	10.1	12
	80	"Minnows" (small)	Forage	Downstream	5.5	6.2	4.9
4-1-1	1	Carp (large, fillets)	Edible	Upstream	51	56.4	2775.9
	2	Carp (large, fillets)	Edible	Upstream	54.2	60.1	2762.4
	3	Carp (large, fillets)	Edible	Upstream	40.5	44.6	1882.6
	4	Carp (large, fillets)	Edible	Upstream	37.8	41.3	1360.8
1-1-1	1	Carp (large, fillets)	Edible	Downstream	41	46	1818.9
	2	Carp (large, fillets)	Edible	Downstream	40	45	1846.1
	3	Carp (large, fillets)	Edible	Downstream	42	47	1850.6
	4	Carp (large, fillets)	Edible	Downstream	49	53	2018.5
	5	Carp (large, fillets)	Edible	Downstream	48	51	2222.6
1-1-2	1	Carp (large, fillets)	Edible	Downstream	49	54.1	3206.9
	2	Carp (large, fillets)	Edible	Downstream	45.6	51	2272.5
	3	Carp (large, fillets)	Edible	Downstream	48.5	52	2721.5
	4	Carp (large, fillets)	Edible	Downstream	45	49.2	2336
	5	Carp (large, fillets)	Edible	Downstream	47	51.1	1850.6

Table 2.1
Fish Sample Information

Sample ID	Individual	Fish Species	Type	Stream Location	Standard Length (cm)	Fork Length (cm)	Weight (g)
1-1-3	1	Carp (large, fillets)	Edible	Downstream	50.1	53.4	2332.4
	2	Carp (large, fillets)	Edible	Downstream	43	47.2	1877.9
	3	Carp (large, fillets)	Edible	Downstream	54.5	59.5	2785
	4	Carp (large, fillets)	Edible	Downstream	43.2	47.2	2721.5
	5	Carp (large, fillets)	Edible	Downstream	49	53.2	2277
1-1-4	1	Carp (large, fillets)	Edible	Downstream	51.5	57.02	3215.9
	2	Carp (large, fillets)	Edible	Downstream	53.1	58.4	4127.7
	3	Carp (large, fillets)	Edible	Downstream	61	66.2	5488.5
	4	Carp (large, fillets)	Edible	Downstream	53	57.9	3810.2
	5	Carp (large, fillets)	Edible	Downstream	50.2	54.9	3764.8
1-1-5	1	Carp (large, fillets)	Edible	Downstream	48.2	52.3	3356.6
	2	Carp (large, fillets)	Edible	Downstream	47	51.4	1846.1
	3	Carp (large, fillets)	Edible	Downstream	47.2	51.2	3234.1
	4	Carp (large, fillets)	Edible	Downstream	51	56.1	3225
	5	Carp (large, fillets)	Edible	Downstream	49.1	54.1	3565.2
5-1-1*	1	Sunfish	Forage	Upstream	8.4	9.3	21.5
	2	Sunfish	Forage	Upstream	7.2	8.5	15.6
	3	Sunfish	Forage	Upstream	8.4	9.8	19.9
	4	Sunfish	Forage	Upstream	6.9	8.2	8.8
	5	Sunfish	Forage	Upstream	7	8.3	10.7
	6	Sunfish	Forage	Upstream	6.5	7.8	11
	7	Sunfish	Forage	Upstream	7	8.4	10.5
	8	Sunfish	Forage	Upstream	7.2	8.6	12.4
	9	Sunfish	Forage	Upstream	6.4	7.7	8.9
	10	Sunfish	Forage	Upstream	5	6	6.2
	11	Sunfish	Forage	Upstream	6	7.1	7.6
	12	Sunfish	Forage	Upstream	5.3	6.4	5.6
	13	Sunfish	Forage	Upstream	5.9	7.1	6.4
	14	Sunfish	Forage	Upstream	6	7.1	5.7
	15	Sunfish	Forage	Upstream	6.6	8	9.5
	16	Sunfish	Forage	Upstream	5.6	6.7	5.7
	17	Sunfish	Forage	Upstream	6.5	7.6	8.4
	18	Sunfish	Forage	Upstream	5.2	6.2	8.7
	19	Sunfish	Forage	Upstream	5	6	4.4
	20	Sunfish	Forage	Upstream	4.5	5.5	4.7
	21	Sunfish	Forage	Upstream	5	5.5	3.3
	22	Sunfish	Forage	Upstream	4.4	5.2	3.6
5-1-2*	1	Sunfish	Forage	Upstream	7	8	10.6
	2	Sunfish	Forage	Upstream	6	7	8.2
	3	Sunfish	Forage	Upstream	6	7	7.2
	4	Sunfish	Forage	Upstream	5.5	6	5.1
	5	Sunfish	Forage	Upstream	5.5	6.5	4.2
	6	Sunfish	Forage	Upstream	6.9	8.1	4.8
	7	Sunfish	Forage	Upstream	5.3	6.5	6.3
	8	Sunfish	Forage	Upstream	4.8	5.4	3
	9	Sunfish	Forage	Upstream	9.2	10.3	27.6
	10	Sunfish	Forage	Upstream	8.7	10	30
	11	Sunfish	Forage	Upstream	7.5	8.5	11.3
	12	Sunfish	Forage	Upstream	7	8.2	11.9
	13	Sunfish	Forage	Upstream	7	8.3	10.6
	14	Sunfish	Forage	Upstream	6.1	7.2	8.7

Table 2.1
Fish Sample Information

Sample ID	Individual	Fish Species	Type	Stream Location	Standard Length (cm)	Fork Length (cm)	Weight (g)
5-1-2* (cont.)	15	Sunfish	Forage	Upstream	5.8	6.4	5.8
	16	Sunfish	Forage	Upstream	6.2	7.2	8.3
	17	Sunfish	Forage	Upstream	7.1	8.3	11.1
	18	Sunfish	Forage	Upstream	7	8	11
	19	Sunfish	Forage	Upstream	6	7	8.6
	20	Sunfish	Forage	Upstream	6.9	8.1	9.1
	21	Sunfish	Forage	Upstream	7	8	9.3
	22	Sunfish	Forage	Upstream	7	8	10.1
	23	Sunfish	Forage	Upstream	6.6	7.7	7
3-1-1*	1	White Sucker	Forage	Middle	23	27	225.3
	2	White Sucker	Forage	Middle	18	21.6	110.8
	3	White Sucker	Forage	Middle	21	24.2	160
	4	White Sucker	Forage	Middle	22.1	24.7	146.8
	5	White Sucker	Forage	Middle	18.4	22	109.8
3-1-2*	1	White Sucker	Forage	Middle	18	12.1	91.2
	2	White Sucker	Forage	Middle	14.9	16.1	51.8
	3	White Sucker	Forage	Middle	16.8	18.4	71.1
	4	White Sucker	Forage	Middle	17.3	19.5	86.8
	5	White Sucker	Forage	Middle	15.1	17.4	57.9
	6	White Sucker	Forage	Middle	12.5	14.4	32.6
	7	White Sucker	Forage	Middle	13.9	15.8	57.8
	8	White Sucker	Forage	Middle	15.9	18	74
	9	White Sucker	Forage	Middle	16.2	18.4	73.5

Notes:
This table is based off a table from the SERAS-ERT Investigation (SERAS, 2012).
* Field Dups
**Damaged caudal fin
Lower Ley Creek Fish Sample Data
Christopher D. Gussman
Fish Collected November 8 and 9, 2010
Downstream = (Between 7th St. and Onondaga Lake)
Upstream = (Between Rt. 11 [Brewerton Rd] and 7th St.)
Middle = (Just downstream of 7th St. overpass)
Edible = fillet (left side only large fillets, both sides smaller fish)
Forage = whole fish

Creek Chub = *Semolitus atromaculatus*
Carp = *Cyprinus carpio*
Whiter Sucker = *Catastomus commersoni*
Sunfish = *Lepomis gibbosus* [possibly other sp. too]
Northern Pike = *Esox lucius*
"Minnows" = Cyprinidae

Table 4.1
Maximum and Mean Fish Tissue Concentrations

Analyte	Upstream (n = 3)		Middle (n = 1)	Downstream (n = 2)	
	Mean	Maximum	Mean	Mean	Maximum
Metals					
Antimony	0.09	0.09	0.09	0.09	0.09
Arsenic	0.21	0.3	0.2	0.21	0.23
Barium	0.69	0.93	1.18	1.07	1.29
Cadmium	0.04	0.04	0.04	0.04	0.04
Chromium	0.36	0.6	0.05	0.22	0.39
Copper	0.66	1.35	0.04	0.17	0.3
Lead	0.18	0.35	0.65	0.18	0.25
Manganese	3.61	4.33	6.88	3.63	3.65
Mercury	0.04	0.06	0.03	0.04	0.05
Nickel	0.06	0.06	0.06	0.06	0.06
Selenium	0.73	0.8	0.7	0.64	0.7
Thallium	0.19	0.19	0.19	0.19	0.19
Vanadium	0.1	0.1	0.17	0.1	0.1
Zinc	28.7	29.9	24.3	32.3	39.4
Organic Compounds					
Bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA
Chlordane	0.00164	0.00177	0.00054	0.00167	0.00225
DDD/DDE/DDT	0.00126	0.0013	R	0.00203	0.00203
Dichlorobenzenes	NA	NA	NA	NA	NA
Dieldrin	0.00363	0.00363	R	0.00195	0.00195
Endrin	0.00301	0.0035	0.00169	0.00158	0.00225
Hexachlorobenzene	NA	NA	NA	NA	NA
Hexachlorocyclohexanes	0 00030	0 00047	0 00038	0 00039	0 00043
PAHs	NA	NA	NA	NA	NA
Trichlorobenzenes	NA	NA	NA	NA	NA
Xylenes	NA	NA	NA	NA	NA
Dioxins/furans	0.000033		0.000043	0.000048	
PCBs					
Total Aroclor	0.3125	0.35	0.1125	0.1475	0.215
Aroclor-1016	0.00083	0.00083	0.00083	0.00083	0.00083
Aroclor-1221	0.00083	0.00083	0.00083	0.00083	0.00083
Aroclor-1232	0.00083	0.00083	0.00083	0.00083	0.00083
Aroclor-1242	0.00083	0.00083	0.00083	0.00083	0.00083
Aroclor-1248	0.00083	0.00083	0.00083	0.00083	0.00083
Aroclor-1254	0.2446	0.3	0.085	0.1156	0.18
Aroclor-1260	0.1013	0.1125	0.0364	0.0506	0.0725

Notes:

This table is based off a table from the SERAS-ERT Investigation (SERAS, 2012).

mg/kg = milligrams per kilogram

NA indicates not analyzed

DDD = 1,1'-(2,2 dichloroethylidene)bis[4-chlorobenzene]

DDT = dichlorodiphenyltrichloroethane

DDE = 1,1'-(2,2 dichloroethenylidene)bis[4-chlorobenzene]

Only total mercury analysis was conducted; total mercury was used for both the inorganic and methylmercury exposure concentration.

Dioxin/furan analysis only conducted on one forage fish sample per reach.

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Table 4.2
Surface Water Sample Detections

Location ID	Analytical Group	Analysis	Result (µg/L)	NYSDEC Water Quality Standard (µg/L)
R1-4	BNAs	2,3,4,6-Tetrachlorophenol	0.18	5
		2,4-Dimethylphenol	0.35	1
		4-Methylphenol	0.16	1
		Acetophenone	5	5
		Bis(2-ethylhexyl)phthalate	5	5
		Indole	3.2	5
		Naphthalene	0.41	10
		Pentachlorophenol	0.67	1
	TAL Metals	ARSENIC	1.4	25
		BARIUM	113	1000
		CHROMIUM	2	50
		COBALT	1	5
		COPPER	2.8	200
		LEAD	1	25
		MANGANESE	108	300
		NICKEL	3	100
		VANADIUM	1.3	14
		ZINC	6	66
	VOCs	1,1-Dichloroethane	0.25	5
		cis-1,2-Dichloroethene	2.4	5
		Toluene	0.39	5
		Trichloroethene	0.35	5
		Vinyl chloride	0.5	2
	Dissolved Metals	ANTIMONY	2	3
		ARSENIC	1	25
		BARIUM	109	1000
		CADMIUM	1	5
		CHROMIUM	2	50
		COBALT	2.4	5
		COPPER	2.6	200
		LEAD	1	25
		MANGANESE	105	300
		NICKEL	3.1	100
		SILVER	1	50
		THALLIUM	1	8
		VANADIUM	5	14
		ZINC	4.9	66
R2-1	BNAs	Naphthalene	0.17	10
	TAL Metals	ARSENIC	1.3	25
		BARIUM	102	1000
		CADMIUM	1	5
		CHROMIUM	2	50
		COBALT	1	5
		COPPER	3	200
		LEAD	9.9	25
		MANGANESE	94.7	300
		NICKEL	3	100
		SILVER	1	50
		THALLIUM	1	8
		VANADIUM	5	14
		ZINC	7.3	66

Table 4.2
Surface Water Sample Detections

Location ID	Analytical Group	Analysis	Result (µg/L)	NYSDEC Water Quality Standard (µg/L)
R2-1 (cont.)	VOCs	1,1-Dichloroethane	0.28	5
		cis-1,2-Dichloroethene	2.4	5
		Toluene	0.42	5
		Trichloroethene	0.41	5
		Vinyl chloride	0.48	2
	Dissolved Metals	ANTIMONY	2	3
		ARSENIC	1.2	25
		BARIUM	102	1000
		CADMIUM	1	5
		CHROMIUM	2	50
		COBALT	2.6	5
		COPPER	2.3	200
		LEAD	1	25
		MANGANESE	92.5	300
		NICKEL	3	100
		SILVER	1	50
		VANADIUM	5	14
		ZINC	3.9	66
R2-11	BNAs	2,4,5-Trichlorophenol	0.23	1
		4-Chloro-3-methylphenol	0.19	1
		4-Chlorophenyl-phenylether	0.28	5
		Acenaphthene	0.16	20
		Dibenzofuran	0.3	5
		Fluorene	0.28	5
		Naphthalene	0.24	10
	TAL Metals	ARSENIC	1.2	25
		BARIUM	102	1000
		CADMIUM	1	5
		CHROMIUM	2	50
		COBALT	1	5
		COPPER	3.8	200
		LEAD	1.1	25
		MANGANESE	90.8	300
		NICKEL	3.3	100
		VANADIUM	5	14
		ZINC	6.7	66
	VOCs	1,1-Dichloroethane	0.28	5
		cis-1,2-Dichloroethene	2.6	5
		Toluene	0.48	5
		Trichloroethene	0.38	5
		Vinyl chloride	0.59	2
	Dissolved Metals	ANTIMONY	2	3
		ARSENIC	1.4	25
		BARIUM	95.4	1000
		CADMIUM	1	5
		CHROMIUM	2	50
		COBALT	2.1	5
		COPPER	2	200
		LEAD	0.35	25

Table 4.2
Surface Water Sample Detections

Location ID	Analytical Group	Analysis	Result (µg/L)	NYSDEC Water Quality Standard (µg/L)
R2-11 (cont.)	Dissolved Metals	MANGANESE	88.7	300
		NICKEL	2.7	100
		SILVER	1	50
		THALLIUM	1	8
		VANADIUM	0.98	14
		ZINC	5.4	66
R2-12	TAL Metals	ARSENIC	1.1	25
		BARIUM	108	1000
		CHROMIUM	2	50
		COBALT	1	5
		COPPER	2.3	200
		LEAD	1	25
		MANGANESE	99.1	300
		NICKEL	2.9	100
		VANADIUM	5	14
		ZINC	5.3	66
	VOCs	1,1-Dichloroethane	0.27	5
		cis-1,2-Dichloroethene	2.6	5
		Toluene	0.44	5
		Trichloroethene	0.4	5
		Vinyl chloride	0.61	2
	Dissolved Metals	ARSENIC	0.95	25
		BARIUM	94.4	1000
		CHROMIUM	2	50
		COBALT	2.2	5
		COPPER	2	200
		LEAD	0.18	25
		MANGANESE	90.8	300
		NICKEL	2.7	100
		VANADIUM	1.1	14
		ZINC	5.7	66
R2-14	BNAs	Fluoranthene	0.17	5
		Naphthalene	0.21	10
	TAL Metals	*ARSENIC*	*1.4*	25
		ARSENIC	*1.1*	25
		BARIUM	*104*	1000
		BARIUM	*107*	1000
		CADMIUM	*0.09*	5
		CADMIUM	*1*	5
		CHROMIUM	*1.5*	50
		CHROMIUM	*2*	50
		COBALT	*0.34*	5
		COBALT	*1*	5
		COPPER	*3.6*	200
		COPPER	*3.6*	200
		LEAD	*1.9*	25
		LEAD	*1.9*	25
		MANGANESE	*99.6*	300
		MANGANESE	*102*	300

Table 4.2
Surface Water Sample Detections

Location ID	Analytical Group	Analysis	Result (µg/L)	NYSDEC Water Quality Standard (µg/L)
R2-14 (cont.)	TAL Metals	*NICKEL*	*3.1*	100
		NICKEL	*3.1*	100
		VANADIUM	*0.71*	14
		VANADIUM	*5*	14
		ZINC	*9.1*	66
		ZINC	*9.3*	66
	VOCs	1,1-Dichloroethane	0.32	5
		cis-1,2-Dichloroethene	2.9	5
		Toluene	0.55	5
		Trichloroethene	0.4	5
		Vinyl chloride	0.64	2
	Dissolved Metals	*ARSENIC*	*1.3*	25
		ARSENIC	*0.97*	25
		BARIUM	*96.7*	1000
		BARIUM	*98.9*	1000
		CADMIUM	0.08	5
		CHROMIUM	*0.85*	50
		CHROMIUM	*2*	50
		COBALT	*1.9*	5
		COBALT	*1.8*	5
		COPPER	*1.1*	200
		COPPER	*2*	200
		LEAD	*0.22*	25
		LEAD	*0.25*	25
		MANGANESE	*88*	300
		MANGANESE	*93*	300
		NICKEL	*2.8*	100
		NICKEL	*3*	100
		VANADIUM	*0.56*	14
		VANADIUM	*0.64*	14
		ZINC	*5.5*	66
		ZINC	*8.9*	66
R2-3	TAL Metals	ARSENIC	1.3	25
		BARIUM	102	1000
		CHROMIUM	2	50
		COBALT	1	5
		COPPER	2.6	200
		LEAD	1	25
		MANGANESE	90.7	300
		NICKEL	2.8	100
		SILVER	1	50
		VANADIUM	5	14
		ZINC	5.9	66
	VOCs	1,1-Dichloroethane	0.31	5
		cis-1,2-Dichloroethene	2.4	5
		Toluene	0.44	5
		Trichloroethene	0.37	5
		Vinyl chloride	0.54	2

Table 4.2
Surface Water Sample Detections

Location ID	Analytical Group	Analysis	Result (µg/L)	NYSDEC Water Quality Standard (µg/L)
R2-3 (cont.)	Dissolved Metals	ARSENIC	1	25
		BARIUM	107	1000
		CHROMIUM	2	50
		COBALT	1	5
		COPPER	2.3	200
		LEAD	1	25
		MANGANESE	94.3	300
		NICKEL	2.8	100
		VANADIUM	5	14
		ZINC	6.3	66
R2-7	BNAs	Naphthalene	0.18	10
	TAL Metals	ARSENIC	1.3	25
		BARIUM	104	1000
		CHROMIUM	2	50
		COBALT	1	5
		COPPER	2.7	200
		LEAD	1	25
		MANGANESE	92.2	300
		NICKEL	2.8	100
		VANADIUM	5	14
		ZINC	5.8	66
	VOCs	1,1-Dichloroethane	0.27	5
		cis-1,2-Dichloroethene	2.4	5
		Toluene	0.43	5
		Trichloroethene	0.35	5
		Vinyl chloride	0.54	2
	Dissolved Metals	ARSENIC	1.1	25
		BARIUM	104	1000
		CHROMIUM	2	50
		COBALT	2	5
		COPPER	2.2	200
		LEAD	1	25
		MANGANESE	94.4	300
		NICKEL	3	100
		VANADIUM	5	14
		ZINC	3.9	66
R3-2	BNAs	2,3,3-Trimethyl-1-hexene	13	5
		Benzo(a)anthracene	5	5
		Benzo(b)fluoranthene	0.16	5
		Bis(2-ethylhexyl)phthalate	5	5
		Carbonic acid, dipentyl ester	3.1	5
		Chrysene	5	5
		Fluoranthene	0.24	5
		Naphthalene	0.35	10
		Pyrene	0.25	5
		Total Alkanes	75	NA
	TAL Metals	ANTIMONY	2	3
		ARSENIC	1.8	25
		BARIUM	105	1000

Table 4.2
Surface Water Sample Detections

Location ID	Analytical Group	Analysis	Result (µg/L)	NYSDEC Water Quality Standard (µg/L)
R3-2 (cont.)	TAL Metals	CADMIUM	1	5
		CHROMIUM	3.7	50
		COBALT	1	5
		COPPER	6.6	200
		LEAD	6.7	25
		MANGANESE	120	300
		NICKEL	4.9	100
		SILVER	1	50
		THALLIUM	1	8
		VANADIUM	1.5	14
		ZINC	18.1	66
	VOCs	1,1-Dichloroethane	0.4	5
		cis-1,2-Dichloroethene	4.2	5
		Toluene	0.61	5
		Trichloroethene	0.68	5
		Vinyl chloride	1.1	2
	Dissolved Metals	ANTIMONY	0.33	3
		ARSENIC	1.5	25
		BARIUM	94.8	1000
		CHROMIUM	2	50
		COBALT	2.8	5
		COPPER	2.3	200
		LEAD	1	25
		MANGANESE	96.8	300
		NICKEL	4.4	100
		VANADIUM	1.2	14
		ZINC	6.4	66
R3-5	BNAs	Bis(2-ethylhexyl)phthalate	5	5
		Ethanone, 1-(2,2-	2.6	5
		Hexane, 2,3-dimethyl-	14	5
		Total Alkanes	79	NA
	TAL Metals	ARSENIC	1.5	25
		BARIUM	99.5	1000
		CADMIUM	1	5
		CHROMIUM	2	50
		COBALT	1	5
		COPPER	4	200
		LEAD	1.3	25
		MANGANESE	103	300
		NICKEL	3.5	100
		SILVER	0.067	50
		VANADIUM	1.5	14
		ZINC	8.8	66
	VOCs	1,1-Dichloroethane	0.39	5
		cis-1,2-Dichloroethene	4	5
		Toluene	0.58	5
		Trichloroethene	0.69	5
		Vinyl chloride	0.94	2

Table 4.2
Surface Water Sample Detections

Location ID	Analytical Group	Analysis	Result (µg/L)	NYSDEC Water Quality Standard (µg/L)
R3-5 (cont.)	Dissolved Metals	ARSENIC	1.4	25
		BARIUM	93.4	1000
		CHROMIUM	2	50
		COBALT	2.7	5
		COPPER	2.2	200
		LEAD	1	25
		MANGANESE	94.6	300
		NICKEL	4	100
		VANADIUM	0.89	14
		ZINC	5.3	66
R3-7	BNAs	2,3,3-Trimethyl-1-hexene	17	5
		Bis(2-ethylhexyl)phthalate	5	5
		Fluoranthene	0.18	5
		Naphthalene	0.39	10
		Phenanthrene	0.17	5
		Pyrene	0.19	5
		Total Alkanes	96	NA
	TAL Metals	ARSENIC	1.5	25
		BARIUM	100	1000
		CADMIUM	1	5
		CHROMIUM	8.4	50
		COBALT	1	5
		COPPER	6.1	200
		LEAD	4.4	25
		MANGANESE	107	300
		NICKEL	6.2	100
		SILVER	0.053	50
		VANADIUM	1.3	14
		ZINC	13.4	66
	VOCs	cis-1,2-Dichloroethene	2.6	5
		Toluene	0.94	5
		Trichloroethene	0.43	5
		Vinyl chloride	0.65	2
	Dissolved Metals	ARSENIC	1.1	25
		BARIUM	93.9	1000
		CHROMIUM	0.91	50
		COBALT	3	5
		COPPER	2.5	200
		LEAD	1	25
		MANGANESE	102	300
		NICKEL	4.1	100
		VANADIUM	1.3	14
		ZINC	7.8	66
SW-01	Dissolved Metals	ANTIMONY	2	3
		ARSENIC	1.3	25
		BARIUM	98.1	1000
		CADMIUM	1	5
		CHROMIUM	2	50
		COBALT	2	5

Table 4.2
Surface Water Sample Detections

Location ID	Analytical Group	Analysis	Result (µg/L)	NYSDEC Water Quality Standard (µg/L)
SW-01 (cont.)	Dissolved Metals	COPPER	2	200
		LEAD	0.26	25
		MANGANESE	89.6	300
		NICKEL	3.1	100
		VANADIUM	1.2	14
		ZINC	6	66

Notes:
Highlighted cells indicate results greater than the NYSDEC Water Quality Standard
Results in italics indicate samples analyzed for the same chemical multiple times
µg/L - micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
VOCs - Volatile Organic Compounds
TAL - Target Analyte List
BNAs - Base/Neutral/Acid Organics
NA - Not Available

Table 4.3
PCB Field Laboratory Sample Results

Sample ID	Start Depth (ft bgs/bwsi)	End Depth (ft bgs/bwsi)	Analysis	Result (µg/kg)	NYS PCB Unrestricted Use Soil Criteria (µg/kg)
LLCD03	1	2	PCB-1248 (Aroclor 1248)	541	100
	1	2	PCB-1260 (Aroclor 1260)	328	100
LLCD08	0	1	PCB-1248 (Aroclor 1248)	1390	100
	1	2	PCB-1248 (Aroclor 1248)	5210	100
	0	1	PCB-1260 (Aroclor 1260)	503	100
	1	2	PCB-1260 (Aroclor 1260)	559	100
LLCD13	0	1	PCB-1260 (Aroclor 1260)	335	100
LLCD15	0	1	PCB-1248 (Aroclor 1248)	1220	100
	1	2	PCB-1248 (Aroclor 1248)	15800	100
	0	1	PCB-1260 (Aroclor 1260)	563	100
	1	2	PCB-1260 (Aroclor 1260)	913	100
LLCD18	0	1	PCB-1248 (Aroclor 1248)	16200	100
	1	2	PCB-1248 (Aroclor 1248)	8740	100
	0	1	PCB-1260 (Aroclor 1260)	966	100
	1	2	PCB-1260 (Aroclor 1260)	474	100
LLCD19	0	1	PCB-1248 (Aroclor 1248)	2010	100
	1	2	PCB-1248 (Aroclor 1248)	9950	100
	0	1	PCB-1260 (Aroclor 1260)	464	100
	1	2	PCB-1260 (Aroclor 1260)	648	100
LLCD21	0	1	PCB-1248 (Aroclor 1248)	2330	100
	1	2	PCB-1248 (Aroclor 1248)	6280	100
	0	1	PCB-1260 (Aroclor 1260)	540	100
	1	2	PCB-1260 (Aroclor 1260)	799	100
LLCD22	0	1	PCB-1248 (Aroclor 1248)	1930	100
	1	2	PCB-1248 (Aroclor 1248)	4720	100
	0	1	PCB-1260 (Aroclor 1260)	514	100
	1	2	PCB-1260 (Aroclor 1260)	712	100
LLCD23	0	1	PCB-1248 (Aroclor 1248)	1100	100
	1	2	PCB-1248 (Aroclor 1248)	1110	100
	0	1	PCB-1260 (Aroclor 1260)	428	100
	1	2	PCB-1260 (Aroclor 1260)	239	100
LLCD24	0	1	PCB-1248 (Aroclor 1248)	756	100
	1	2	PCB-1248 (Aroclor 1248)	1870	100
	0	1	PCB-1260 (Aroclor 1260)	191	100
	1	2	PCB-1260 (Aroclor 1260)	754	100
LLCD25	0	1	PCB-1248 (Aroclor 1248)	6910	100
	1	2	PCB-1248 (Aroclor 1248)	2990	100
	4	5	PCB-1248 (Aroclor 1248)	490	100
	7	8	PCB-1248 (Aroclor 1248)	521	100
	0	1	PCB-1260 (Aroclor 1260)	597	100
	1	2	PCB-1260 (Aroclor 1260)	308	100
	4	5	PCB-1260 (Aroclor 1260)	93.2	100

Table 4.3
PCB Field Laboratory Sample Results

Sample ID	Start Depth (ft bgs/bwsi)	End Depth (ft bgs/bwsi)	Analysis	Result (µg/kg)	NYS PCB Unrestricted Use Soil Criteria (µg/kg)
LLCD26	0	1	PCB-1248 (Aroclor 1248)	5920	100
	1	2	PCB-1248 (Aroclor 1248)	23700	100
	4	5	PCB-1248 (Aroclor 1248)	31200	100
	0	1	PCB-1260 (Aroclor 1260)	572	100
	1	2	PCB-1260 (Aroclor 1260)	1080	100
	4	5	PCB-1260 (Aroclor 1260)	1060	100
LLCD27	0	1	PCB-1248 (Aroclor 1248)	74800	100
	1	2	PCB-1248 (Aroclor 1248)	2040	100
	4	5	PCB-1248 (Aroclor 1248)	1020	100
	7	8	PCB-1248 (Aroclor 1248)	1020	100
	0	1	PCB-1260 (Aroclor 1260)	1870	100
LLCD28	0	1	PCB-1260 (Aroclor 1260)	770	100
LLCD29	0	1	PCB-1248 (Aroclor 1248)	38000	100
	1	2	PCB-1248 (Aroclor 1248)	15000	100
	4	5	PCB-1248 (Aroclor 1248)	2450	100
	0	1	PCB-1260 (Aroclor 1260)	467	100
	1	2	PCB-1260 (Aroclor 1260)	1470	100
	4	5	PCB-1260 (Aroclor 1260)	470	100
LLCD30	0	1	PCB-1248 (Aroclor 1248)	4570	100
	1	2	PCB-1248 (Aroclor 1248)	12300	100
	0	1	PCB-1260 (Aroclor 1260)	199	100
	1	2	PCB-1260 (Aroclor 1260)	575	100
LLCD32	0	1	PCB-1248 (Aroclor 1248)	6290	100
	1	2	PCB-1248 (Aroclor 1248)	2100	100
	4	5	PCB-1248 (Aroclor 1248)	1050	100
	0	1	PCB-1260 (Aroclor 1260)	1110	100
	1	2	PCB-1260 (Aroclor 1260)	365	100
	4	5	PCB-1260 (Aroclor 1260)	275	100
LLCD33	0	1	PCB-1260 (Aroclor 1260)	424	100
	1	2	PCB-1260 (Aroclor 1260)	635	100
LLCD35	0	1	PCB-1248 (Aroclor 1248)	24800	100
	1	2	PCB-1248 (Aroclor 1248)	15600	100
	0	1	PCB-1260 (Aroclor 1260)	1300	100
	1	2	PCB-1260 (Aroclor 1260)	669	100
LLCD37	0	1	PCB-1260 (Aroclor 1260)	345	100
LLCD38	0	1	PCB-1248 (Aroclor 1248)	9540	100
	1	2	PCB-1248 (Aroclor 1248)	15700	100
	0	1	PCB-1260 (Aroclor 1260)	662	100
	1	2	PCB-1260 (Aroclor 1260)	957	100
LLCD40	1	2	PCB-1248 (Aroclor 1248)	338	100
LLCD41	0	1	PCB-1248 (Aroclor 1248)	21000	100
	1	2	PCB-1248 (Aroclor 1248)	20200	100

Table 4.3
PCB Field Laboratory Sample Results

Sample ID	Start Depth (ft bgs/bwsi)	End Depth (ft bgs/bwsi)	Analysis	Result (µg/kg)	NYS PCB Unrestricted Use Soil Criteria (µg/kg)
LLCD41 (cont.)	0	1	PCB-1260 (Aroclor 1260)	1080	100
	1	2	PCB-1260 (Aroclor 1260)	1040	100
LLCD45	1	2	PCB-1260 (Aroclor 1260)	528	100
LLCD47	0	1	PCB-1248 (Aroclor 1248)	698	100
	1	2	PCB-1248 (Aroclor 1248)	4040	100
	0	1	PCB-1260 (Aroclor 1260)	291	100
	1	2	PCB-1260 (Aroclor 1260)	847	100
LLCD48	0	1	PCB-1248 (Aroclor 1248)	17700	100
	3	4	PCB-1248 (Aroclor 1248)	4290	100
	0	1	PCB-1260 (Aroclor 1260)	1180	100
LLCD49	0	1	PCB-1248 (Aroclor 1248)	8300	100
	1	2	PCB-1248 (Aroclor 1248)	7010	100
	0	1	PCB-1260 (Aroclor 1260)	771	100
	1	2	PCB-1260 (Aroclor 1260)	752	100
LLCD50	0	1	PCB-1248 (Aroclor 1248)	3410	100
	1	2	PCB-1248 (Aroclor 1248)	2710	100
	2	3	PCB-1248 (Aroclor 1248)	1170	100
	0	1	PCB-1260 (Aroclor 1260)	294	100
	1	2	PCB-1260 (Aroclor 1260)	586	100
	2	3	PCB-1260 (Aroclor 1260)	98.1	100
LLCD51	0	1	PCB-1248 (Aroclor 1248)	30900	100
	1	2	PCB-1248 (Aroclor 1248)	7510	100
	0	1	PCB-1260 (Aroclor 1260)	1100	100
	1	2	PCB-1260 (Aroclor 1260)	289	100
LLCD52	0	1	PCB-1248 (Aroclor 1248)	4090	100
	1	2	PCB-1248 (Aroclor 1248)	4400	100
	0	1	PCB-1260 (Aroclor 1260)	411	100
	1	2	PCB-1260 (Aroclor 1260)	574	100
LLCD53	0	1	PCB-1248 (Aroclor 1248)	426	100
	0	1	PCB-1260 (Aroclor 1260)	511	100
R3-13	0	1	*PCB-1248 (Aroclor 1248)*	*379000*	100
	0	1	*PCB-1248 (Aroclor 1248)*	*8390*	100
	1	2	PCB-1248 (Aroclor 1248)	2650	100
	0	1	PCB-1260 (Aroclor 1260)	2410	100
R3-14	0	1	*PCB-1248 (Aroclor 1248)*	*161000*	100
	0	1	*PCB-1248 (Aroclor 1248)*	*89000*	100
	1	2	PCB-1248 (Aroclor 1248)	223000	100
	2	3	PCB-1248 (Aroclor 1248)	321000	100
	3	4	PCB-1248 (Aroclor 1248)	295000	100
	4	5	PCB-1248 (Aroclor 1248)	55600	100
	5	6	PCB-1248 (Aroclor 1248)	18000	100
	6	7	PCB-1248 (Aroclor 1248)	369	100
	7	8	PCB-1248 (Aroclor 1248)	311	100

Table 4.3
PCB Field Laboratory Sample Results

Sample ID	Start Depth (ft bgs/bwsi)	End Depth (ft bgs/bwsi)	Analysis	Result (µg/kg)	NYS PCB Unrestricted Use Soil Criteria (µg/kg)
R3-14 (cont.)	0	1	*PCB-1260 (Aroclor 1260)*	*3840*	100
	0	1	*PCB-1260 (Aroclor 1260)*	*1650*	100
	1	2	PCB-1260 (Aroclor 1260)	2110	100
	2	3	PCB-1260 (Aroclor 1260)	5360	100
	3	4	PCB-1260 (Aroclor 1260)	4510	100
	4	5	PCB-1260 (Aroclor 1260)	1970	100
	5	6	PCB-1260 (Aroclor 1260)	584	100
R3-15	0	1	PCB-1248 (Aroclor 1248)	103400	100
	1	2	*PCB-1248 (Aroclor 1248)*	*6370*	100
	1	2	*PCB-1248 (Aroclor 1248)*	*581000*	100
	2	3	PCB-1248 (Aroclor 1248)	1800	100
	3	4	PCB-1248 (Aroclor 1248)	595	100
	0	1	*PCB-1260 (Aroclor 1260)*	*102*	100
	0	1	*PCB-1260 (Aroclor 1260)*	*1210*	100
	1	2	PCB-1260 (Aroclor 1260)	8900	100

Notes:
Results in italics indiacte samples analyzed for the same chemical multiple times
ft - feet
bgs - below ground surface
bwsi - below the water-sediment interface
µg/kg - micrograms per kilogram
NYS - New York State
PCB - polychlorinated biphenyl

Table 4.4a
Pesticide Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3088	LLCD08	12	24	p,p'-DDE	29.1	NA
007-3046	LLCD21	0	12	p,p'-DDE	45.5	NA
007-3047	LLCD21	12	24	p,p'-DDE	48.5	NA
007-3040	LLCD25	0	12	Endrin	27.6	14
				p,p'-DDE	112	NA
007-3041	LLCD25	12	24	p,p'-DDE	33.8	NA
007-3033	LLCD27	12	24	p,p'-DDE	492	NA
007-3042	LLCD28	0	12	Endrin	19.6	14
				p,p'-DDE	35.8	NA
007-3043	LLCD28	12	24	p,p'-DDE	13	NA
007-3045	LLCD29	12	24	Chlordane, gamma	49.3	NA
				p,p'-DDE	138	NA
007-3067	LLCD32	0	12	Chlordane, alpha	34.7	94
				Chlordane, gamma	41.9	NA
				p,p'-DDE	56.7	NA
007-3021	LLCD34	0	12	p,p'-DDD	7.92	NA
				p,p'-DDE	59.5	NA
				p,p'-DDT	38.9	NA
007-3022	LLCD34	12	24	p,p'-DDD	5.26	NA
				p,p'-DDE	17.1	NA
				p,p'-DDT	22.3	NA
007-0317	LLCD35	0	12	Endrin	84	14
				p,p'-DDE	330	NA
				p,p'-DDT	216	NA
007-3018	LLCD35	12	24	Endrin	21.9	14
				p,p'-DDE	108	NA
				p,p'-DDT	75	NA
007-3029	LLCD38	12	24	Methoxychlor	8.5	NA
				p,p'-DDE	220	NA
007-3012	LLCD39	0	12	Chlordane, gamma	7.97	NA
				p,p'-DDT	6.64	NA
SP-1A	SP-01	0	6	Endosulfan II	6.9	2400
				Endrin	6	14
				gamma-BHC (Lindane)	2.3	NA
				Heptachlor	5.3	42
				Heptachlor epoxide	6.7	NA
				Methoxychlor	23	NA

Table 4.4a
Pesticide Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-1B	SP-01	6	12	4,4'-DDT	94	3.3
				Endosulfan II	12	2400
				Endrin	11	14
				gamma-BHC (Lindane)	2.6	NA
				Heptachlor	7.3	42
				Heptachlor epoxide	11	NA
				Methoxychlor	26	NA
SP-1C	SP-01	18	24	4,4'-DDT	54	3.3
				alpha-Chlordane	2.9	94
				Endosulfan II	9.8	2400
				Endrin	6.1	14
				gamma-BHC (Lindane)	2.9	NA
				Heptachlor	2.3	42
				Heptachlor epoxide	5.7	NA
				Methoxychlor	29	NA
SP-2A	SP-02	0	6	4,4'-DDT	6.4	3.3
				Endosulfan II	2.4	2400
				Heptachlor	3.3	42
SP-2B	SP-02	6	12	4,4'-DDT	20	3.3
				Endosulfan II	6.5	2400
				Endrin	6.5	14
				Heptachlor	3.3	42
				Methoxychlor	34	NA
SP-2C	SP-02	18	24	4,4'-DDT	14	3.3
				Endosulfan II	14	2400
				Endrin	14	14
				Endrin aldehyde	14	NA
				Heptachlor	7	42
SP-3A	SP-03	0	6	4,4'-DDT	7.6	3.3
				Endosulfan II	7.6	2400
				Endrin aldehyde	7.9	NA
				Heptachlor	3.9	42
SP-3B	SP-03	6	12	4,4'-DDE	21	3.3
				Endosulfan II	6.5	2400
				Endrin	6.5	14
				Endrin aldehyde	6.5	NA
				gamma-BHC (Lindane)	3.4	NA
				Heptachlor	5.6	42
				Heptachlor epoxide	5.4	NA
				Methoxychlor	34	NA
SP-3C	SP-03	18	24	4,4'-DDE	13	3.3
				beta-BHC	4	36
				Endosulfan II	7.7	2400
				Endrin	7.7	14
				Endrin aldehyde	7.7	NA

Table 4.4a
Pesticide Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-3C (cont.)	SP-03	18	24	gamma-BHC (Lindane)	4	NA
				Heptachlor epoxide	4.4	NA
				Methoxychlor	40	NA
SP-4A	SP-04	0	6	4,4'-DDE	6.2	3.3
				4,4'-DDT	2.7	3.3
				alpha-BHC	3.2	20
				Endosulfan II	6.2	2400
				Endrin aldehyde	6.2	NA
				gamma-BHC (Lindane)	3.2	NA
				Heptachlor	3.2	42
				Heptachlor epoxide	3.2	NA
				Methoxychlor	32	NA
SP-4B	SP-04	6	12	4,4'-DDE	10	3.3
				4,4'-DDT	15	3.3
				alpha-BHC	3.2	20
				Endosulfan II	6.2	2400
				Endrin	6.2	14
				gamma-BHC (Lindane)	3.2	NA
				Heptachlor	6	42
				Heptachlor epoxide	3.2	NA
				Methoxychlor	32	NA
SP-4C	SP-04	18	24	4,4'-DDE	18	3.3
				4,4'-DDT	21	3.3
				Endosulfan II	5.7	2400
				Endrin	5.7	14
				Endrin aldehyde	6.1	NA
				Endrin ketone	5.7	NA
				gamma-BHC (Lindane)	7.7	NA
				Methoxychlor	29	NA
SP-5A	SP-05	0	6	4,4'-DDT	9.9	3.3
				alpha-BHC	5.1	20
				Endosulfan II	9.9	2400
				Endrin aldehyde	9.9	NA
				gamma-BHC (Lindane)	2	NA
				Heptachlor	5.1	42
				Heptachlor epoxide	5.1	NA
				Methoxychlor	51	NA
SP-5B	SP-05	6	12	4,4'-DDE	8.5	3.3
				4,4'-DDT	4.8	3.3
				alpha-BHC	4.4	20
				Endosulfan II	8.5	2400
				Endrin	8.5	14
				Endrin aldehyde	8.5	NA
				Heptachlor	4.4	42
				Methoxychlor	44	NA

Table 4.4a
Pesticide Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-5C	SP-05	18	24	4,4'-DDE	12	3.3
				4,4'-DDT	15	3.3
				Endosulfan II	7.4	2400
				Endrin	7.4	14
				Endrin aldehyde	7.4	NA
				Endrin ketone	7.4	NA
				gamma-BHC (Lindane)	6.1	NA
				Heptachlor epoxide	4.5	NA

Notes:
Highlighted cells indicate results greater than the Unrestricted Use NYS Soil Criteria
NYS - New York State
in - inches
µg/kg - micrograms per kilogram
NA - Not Available

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-1001	SW-1A	0	6	ALUMINUM	6790	NA
				ANTIMONY	12.5	NA
				ARSENIC	4.3	13
				BARIUM	115	350
				BERYLLIUM	1	7.2
				CADMIUM	1.5	2.5
				CALCIUM	64700	NA
				CHROMIUM	30.5	30
				COBALT	6.3	NA
				COPPER	153	50
				IRON	19100	NA
				LEAD	97.3	63
				MAGNESIUM	17600	NA
				MANGANESE	322	1600
				NICKEL	39.4	30
				POTASSIUM	1610	NA
				SILVER	1.3	2
				SODIUM	1040	NA
				THALLIUM	5.2	NA
				VANADIUM	13.9	NA
				ZINC	247	109
007-1004	SW-2A	0	6	ALUMINUM	3700	NA
				ANTIMONY	10.5	NA
				ARSENIC	2.6	13
				BARIUM	114	350
				BERYLLIUM	0.87	7.2
				CADMIUM	1.6	2.5
				CALCIUM	49800	NA
				CHROMIUM	12.6	30
				COBALT	2.7	NA
				COPPER	144	50
				IRON	13000	NA
				LEAD	80.1	63
				MAGNESIUM	6920	NA
				MANGANESE	240	1600
				NICKEL	27.1	30
				POTASSIUM	926	NA
				SILVER	0.28	2
				SODIUM	871	NA
				VANADIUM	13.9	NA
				ZINC	201	109
007-1006	SW-3A	0	6	ALUMINUM	4870	NA
				ANTIMONY	9.9	NA
				ARSENIC	3.2	13
				BARIUM	110	350
				BERYLLIUM	0.83	7.2
				CADMIUM	1.9	2.5
				CALCIUM	96400	NA
				CHROMIUM	46.7	30

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-1006 (cont.)	SW-3A	0	6	COBALT	2.8	NA
				COPPER	58.6	50
				IRON	22400	NA
				LEAD	214	63
				MAGNESIUM	15000	NA
				MANGANESE	356	1600
				NICKEL	30.4	30
				POTASSIUM	1600	NA
				SILVER	0.089	2
				SODIUM	825	NA
				THALLIUM	4.1	NA
				VANADIUM	14.6	NA
				ZINC	169	109
007-1007	SW-3B	6	12	ALUMINUM	9500	NA
				ANTIMONY	8.8	NA
				ARSENIC	4.9	13
				BARIUM	80.8	350
				BERYLLIUM	0.73	7.2
				CADMIUM	2	2.5
				CALCIUM	52700	NA
				CHROMIUM	92.8	30
				COBALT	6.2	NA
				COPPER	77	50
				IRON	21200	NA
				LEAD	175	63
				MAGNESIUM	19800	NA
				MANGANESE	461	1600
				NICKEL	45.9	30
				POTASSIUM	2100	NA
				SILVER	0.32	2
				SODIUM	733	NA
				THALLIUM	3.7	NA
				VANADIUM	20.4	NA
				ZINC	234	109
007-1008	SW-4A	0	6	ALUMINUM	7230	NA
				ANTIMONY	13.4	NA
				ARSENIC	8.2	13
				BARIUM	284	350
				BERYLLIUM	1.1	7.2
				CADMIUM	5.9	2.5
				CALCIUM	27900	NA
				CHROMIUM	57.6	30
				COBALT	4.9	NA
				COPPER	255	50
				IRON	82500	NA
				LEAD	289	63
				MAGNESIUM	9430	NA
				MANGANESE	322	1600
				NICKEL	125	30

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-1008 (cont.)	SW-4A	0	6	POTASSIUM	1580	NA
				SILVER	0.67	2
				SODIUM	1120	NA
				THALLIUM	5.6	NA
				VANADIUM	25.9	NA
				ZINC	436	109
007-1010	SW-5A	0	6	ALUMINUM	12300	NA
				ARSENIC	21.2	13
				BARIUM	256	350
				BERYLLIUM	1.4	7.2
				CADMIUM	14.5	2.5
				CALCIUM	50800	NA
				CHROMIUM	3430	30
				COBALT	14	NA
				COPPER	874	50
				IRON	26200	NA
				LEAD	487	63
				MAGNESIUM	14800	NA
				MANGANESE	675	1600
				NICKEL	1230	30
				POTASSIUM	2370	NA
				SELENIUM	1.1	3.9
				SILVER	6.7	2
				SODIUM	846	NA
				THALLIUM	4.2	NA
				VANADIUM	44.5	NA
				ZINC	865	109
007-1011	SW-5B	6	12	ALUMINUM	12100	NA
				ARSENIC	17.1	13
				BARIUM	189	350
				BERYLLIUM	1.1	7.2
				CADMIUM	13.3	2.5
				CALCIUM	32300	NA
				CHROMIUM	1960	30
				COBALT	8.6	NA
				COPPER	1130	50
				IRON	24900	NA
				LEAD	308	63
				MAGNESIUM	13900	NA
				MANGANESE	296	1600
				NICKEL	747	30
				POTASSIUM	2040	NA
				SELENIUM	1	3.9
				SILVER	11.7	2
				SODIUM	877	NA
				THALLIUM	4.4	NA
				VANADIUM	31.8	NA
				ZINC	648	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-1012	SW-6A	0	6	ALUMINUM	10200	NA
				ANTIMONY	9.4	NA
				ARSENIC	15.4	13
				BARIUM	212	350
				BERYLLIUM	1.1	7.2
				CADMIUM	8.2	2.5
				CALCIUM	48500	NA
				CHROMIUM	1710	30
				COBALT	8.2	NA
				COPPER	594	50
				IRON	29100	NA
				LEAD	442	63
				MAGNESIUM	14500	NA
				MANGANESE	370	1600
				NICKEL	735	30
				POTASSIUM	2020	NA
				SELENIUM	0.63	3.9
				SILVER	4.5	2
				SODIUM	787	NA
				THALLIUM	4.2	NA
				VANADIUM	35.9	NA
				ZINC	572	109
007-1013	SW-6B	6	12	ALUMINUM	11500	NA
				ARSENIC	24.7	13
				BARIUM	273	350
				BERYLLIUM	1.3	7.2
				CADMIUM	12.8	2.5
				CALCIUM	53900	NA
				CHROMIUM	5320	30
				COBALT	11.1	NA
				COPPER	1520	50
				IRON	22700	NA
				LEAD	589	63
				MAGNESIUM	15800	NA
				MANGANESE	463	1600
				NICKEL	1150	30
				POTASSIUM	2210	NA
				SELENIUM	1.8	3.9
				SILVER	10.6	2
				SODIUM	957	NA
				THALLIUM	4.8	NA
				VANADIUM	40.8	NA
				ZINC	725	109
007-1014	SW-7A	0	6	ALUMINUM	12400	NA
				ANTIMONY	8.2	NA
				ARSENIC	5.4	13
				BARIUM	42.5	350
				BERYLLIUM	0.68	7.2
				CADMIUM	1.8	2.5

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-1014 (cont.)	SW-7A	0	6	CALCIUM	22400	NA
				CHROMIUM	44.7	30
				COPPER	158	50
				IRON	45100	NA
				LEAD	65.4	63
				MAGNESIUM	1740	NA
				MANGANESE	1790	1600
				NICKEL	26.8	30
				POTASSIUM	553	NA
				SILVER	0.087	2
				SODIUM	684	NA
				THALLIUM	5	NA
				VANADIUM	10.5	NA
				ZINC	225	109
007-3056	LLCD01	0	12	ALUMINUM	15300	NA
				ARSENIC	2.79	13
				BARIUM	73.7	350
				BERYLLIUM	0.589	7.2
				CALCIUM	57900	NA
				CHROMIUM	25.6	30
				COBALT	7.23	NA
				COPPER	21.7	50
				IRON	21100	NA
				LEAD	71.2	63
				MAGNESIUM	31100	NA
				MANGANESE	315	1600
				NICKEL	25.7	30
				POTASSIUM	3890	NA
				SODIUM	152	NA
				VANADIUM	24	NA
				ZINC	82.5	109
007-0057	LLCD01	12	24	ALUMINUM	7900	NA
				ARSENIC	6.76	13
				BARIUM	180	350
				BERYLLIUM	0.395	7.2
				CADMIUM	0.64	2.5
				CALCIUM	102000	NA
				CHROMIUM	20.4	30
				COBALT	7.11	NA
				COPPER	104	50
				IRON	16600	NA
				LEAD	463	63
				MAGNESIUM	21700	NA
				MANGANESE	326	1600
				NICKEL	21.5	30
				POTASSIUM	1710	NA
				SODIUM	205	NA
				VANADIUM	16.7	NA
				ZINC	207	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3059	LLCD02	0	12	ALUMINUM	11600	NA
				ARSENIC	9.23	13
				BARIUM	343	350
				BERYLLIUM	0.455	7.2
				CADMIUM	1.4	2.5
				CALCIUM	78800	NA
				CHROMIUM	26.7	30
				COBALT	7.36	NA
				COPPER	61.7	50
				IRON	22800	NA
				LEAD	575	63
				MAGNESIUM	22600	NA
				MANGANESE	551	1600
				NICKEL	22.3	30
				POTASSIUM	1950	NA
				SODIUM	605	NA
				VANADIUM	24.1	NA
				ZINC	415	109
007-0060	LLCD02	12	24	ALUMINUM	5240	NA
				ANTIMONY	0.991	NA
				ARSENIC	17.4	13
				BARIUM	86.8	350
				BERYLLIUM	0.908	7.2
				CALCIUM	10000	NA
				CHROMIUM	13.7	30
				COBALT	8.22	NA
				COPPER	68.9	50
				IRON	31100	NA
				LEAD	190	63
				MAGNESIUM	2390	NA
				MANGANESE	140	1600
				NICKEL	20	30
				POTASSIUM	580	NA
				SELENIUM	2.65	3.9
				SODIUM	138	NA
				VANADIUM	18.6	NA
				ZINC	93.8	109
007-3075	LLCD13	0	12	ALUMINUM	8010	NA
				ARSENIC	8.56	13
				BARIUM	207	350
				BERYLLIUM	0.488	7.2
				CADMIUM	0.659	2.5
				CALCIUM	62000	NA
				CHROMIUM	17.3	30
				COBALT	9.13	NA
				COPPER	78.7	50
				IRON	17700	NA
				LEAD	112	63
				MAGNESIUM	16700	NA

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3075 (cont.)	LLCD13	0	12	MANGANESE	352	1600
				NICKEL	33.3	30
				POTASSIUM	14840	NA
				SODIUM	128	NA
				VANADIUM	17.4	NA
				ZINC	141	109
007-0076	LLCD13	12	24	ALUMINUM	8030	NA
				ARSENIC	8.58	13
				BARIUM	431	350
				BERYLLIUM	0.436	7.2
				CADMIUM	0.653	2.5
				CALCIUM	125000	NA
				CHROMIUM	19.4	30
				COBALT	8.26	NA
				COPPER	76.4	50
				IRON	17900	NA
				LEAD	112	63
				MAGNESIUM	22600	NA
				MANGANESE	322	1600
				NICKEL	31.6	30
				POTASSIUM	1760	NA
				SODIUM	168	NA
				VANADIUM	18.9	NA
				ZINC	138	109
007-3077	LLCD14	0	12	ALUMINUM	6610	NA
				ANTIMONY	19.6	NA
				ARSENIC	12.2	13
				BARIUM	87.2	350
				BERYLLIUM	0.428	7.2
				CADMIUM	0.297	2.5
				CALCIUM	14300	NA
				CHROMIUM	11.9	30
				COBALT	6.59	NA
				COPPER	42.4	50
				IRON	12800	NA
				LEAD	306	63
				MAGNESIUM	16600	NA
				MANGANESE	367	1600
				NICKEL	18.9	30
				POTASSIUM	1590	NA
				SODIUM	157	NA
				VANADIUM	26.7	NA
				ZINC	89.2	109
007-0078	LLCD14	12	24	ALUMINUM	5490	NA
				ARSENIC	7.8	13
				BARIUM	65.2	350
				BERYLLIUM	0.329	7.2
				CALCIUM	134000	NA

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-0078 (cont.)	LLCD14	12	24	CHROMIUM	13.5	30
				COBALT	6.53	NA
				COPPER	26.3	50
				IRON	12100	NA
				LEAD	62.1	63
				MAGNESIUM	16500	NA
				MANGANESE	310	1600
				NICKEL	18.1	30
				POTASSIUM	1310	NA
				SODIUM	150	NA
				VANADIUM	20.3	NA
				ZINC	68.6	109
007-3081	LLCD17	0	12	ALUMINUM	7740	NA
				ARSENIC	4.96	13
				BARIUM	72	350
				BERYLLIUM	0.382	7.2
				CADMIUM	0.158	2.5
				CALCIUM	189000	NA
				CHROMIUM	18.6	30
				COBALT	5.29	NA
				COPPER	32.9	50
				IRON	13300	NA
				LEAD	71.5	63
				MAGNESIUM	17500	NA
				MANGANESE	341	1600
				NICKEL	15	30
				POTASSIUM	1330	NA
				SODIUM	246	NA
				VANADIUM	19.3	NA
				ZINC	69.4	109
007-0082	LLCD17	12	24	ALUMINUM	7890	NA
				ARSENIC	7.89	13
				BARIUM	57.7	350
				BERYLLIUM	0.454	7.2
				CADMIUM	0.193	2.5
				CALCIUM	133000	NA
				CHROMIUM	20.4	30
				COBALT	6.85	NA
				COPPER	110	50
				IRON	14200	NA
				LEAD	292	63
				MAGNESIUM	28000	NA
				MANGANESE	341	1600
				NICKEL	19.3	30
				POTASSIUM	2120	NA
				SILVER	1.44	2
				SODIUM	189	NA
				VANADIUM	31.2	NA
				ZINC	113	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3046	LLCD21	0	12	ALUMINUM	12300	NA
				ARSENIC	17.3	13
				BARIUM	204	350
				BERYLLIUM	0.627	7.2
				CADMIUM	23.7	2.5
				CALCIUM	16700	NA
				CHROMIUM	211	30
				COBALT	8.57	NA
				COPPER	188	50
				IRON	26600	NA
				LEAD	113	63
				MAGNESIUM	3700	NA
				MANGANESE	327	1600
				NICKEL	55.7	30
				POTASSIUM	2150	NA
				SILVER	7.46	2
				SODIUM	285	NA
				VANADIUM	30.4	NA
				ZINC	389	109
007-3047	LLCD21	12	24	ALUMINUM	12400	NA
				ANTIMONY	2.68	NA
				ARSENIC	14.8	13
				BARIUM	231	350
				BERYLLIUM	0.76	7.2
				CADMIUM	35	2.5
				CALCIUM	18400	NA
				CHROMIUM	342	30
				COBALT	9.05	NA
				COPPER	276	50
				IRON	26400	NA
				LEAD	154	63
				MAGNESIUM	5060	NA
				MANGANESE	317	1600
				NICKEL	72.3	30
				POTASSIUM	2020	NA
				SILVER	11.1	2
				SODIUM	323	NA
				VANADIUM	29.3	NA
				ZINC	565	109
007-3040	LLCD25	0	12	ALUMINUM	9580	NA
				ANTIMONY	2.07	NA
				ARSENIC	12.9	13
				BARIUM	180	350
				BERYLLIUM	0.524	7.2
				CADMIUM	19.3	2.5
				CALCIUM	53500	NA
				CHROMIUM	293	30
				COBALT	8.37	NA
				COPPER	242	50

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3040 (cont.)	LLCD25	0	12	IRON	22400	NA
				LEAD	116	63
				MAGNESIUM	9160	NA
				MANGANESE	305	1600
				NICKEL	97.6	30
				POTASSIUM	1960	NA
				SILVER	8.58	2
				SODIUM	190	NA
				VANADIUM	21.6	NA
				ZINC	280	109
007-3041	LLCD25	12	24	ALUMINUM	7680	NA
				ARSENIC	13.7	13
				BARIUM	198	350
				BERYLLIUM	0.417	7.2
				CADMIUM	11	2.5
				CALCIUM	81900	NA
				CHROMIUM	151	30
				COBALT	6.44	NA
				COPPER	165	50
				IRON	21800	NA
				LEAD	64.2	63
				MAGNESIUM	6420	NA
				MANGANESE	290	1600
				NICKEL	61.7	30
				POTASSIUM	1460	NA
				SILVER	5.66	2
				SODIUM	164	NA
				VANADIUM	18.6	NA
				ZINC	168	109
007-3138	LLCD25	48	60	ALUMINUM	9230	NA
				ARSENIC	4.78	13
				BARIUM	82.9	350
				BERYLLIUM	0.403	7.2
				CADMIUM	4.89	2.5
				CALCIUM	40600	NA
				CHROMIUM	44.2	30
				COBALT	7.52	NA
				COPPER	39.4	50
				IRON	16000	NA
				LEAD	23	63
				MAGNESIUM	14000	NA
				MANGANESE	357	1600
				NICKEL	23.3	30
				POTASSIUM	1620	NA
				SILVER	1.1	2
				SODIUM	175	NA
				VANADIUM	19.6	NA
				ZINC	72.5	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3139	LLCD25	84	96	ALUMINUM	13300	NA
				ARSENIC	7.83	13
				BARIUM	171	350
				BERYLLIUM	0.579	7.2
				CADMIUM	5.13	2.5
				CALCIUM	27000	NA
				CHROMIUM	45.4	30
				COBALT	11.2	NA
				COPPER	43.9	50
				IRON	23400	NA
				LEAD	22.9	63
				MAGNESIUM	10900	NA
				MANGANESE	285	1600
				NICKEL	29.6	30
				POTASSIUM	2390	NA
				SILVER	1	2
				SODIUM	181	NA
				VANADIUM	29.2	NA
				ZINC	79.8	109
007-3032	LLCD27	0	12	ALUMINUM	14900	NA
				ANTIMONY	7.97	NA
				ARSENIC	16.9	13
				BARIUM	194	350
				BERYLLIUM	0.773	7.2
				CADMIUM	7.15	2.5
				CALCIUM	26200	NA
				CHROMIUM	1270	30
				COBALT	11	NA
				COPPER	525	50
				IRON	27000	NA
				LEAD	234	63
				MAGNESIUM	9250	NA
				MANGANESE	398	1600
				NICKEL	434	30
				POTASSIUM	2390	NA
				SILVER	4.57	2
				SODIUM	400	NA
				VANADIUM	34.9	NA
				ZINC	398	109
007-3033	LLCD27	12	24	ALUMINUM	3890	NA
				ARSENIC	9.04	13
				BARIUM	210	350
				CADMIUM	1.25	2.5
				CALCIUM	42900	NA
				CHROMIUM	56.1	30
				COBALT	3.61	NA
				COPPER	79	50
				IRON	14300	NA
				LEAD	12.3	63

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3033 (cont.)	LLCD27	12	24	MAGNESIUM	3450	NA
				MANGANESE	232	1600
				NICKEL	87.5	30
				POTASSIUM	545	NA
				SODIUM	978	NA
				ZINC	79.8	109
007-3130	LLCD27	48	60	ALUMINUM	1100	NA
				BARIUM	187	350
				CALCIUM	282000	NA
				CHROMIUM	21.4	30
				COBALT	1.65	NA
				COPPER	20.1	50
				IRON	6640	NA
				LEAD	3.9	63
				MAGNESIUM	4620	NA
				MANGANESE	326	1600
				NICKEL	17.2	30
				POTASSIUM	259	NA
				SODIUM	288	NA
				VANADIUM	3.6	NA
				ZINC	23.1	109
007-3131	LLCD27	84	96	ALUMINUM	14100	NA
				ARSENIC	4.11	13
				BARIUM	169	350
				BERYLLIUM	0.561	7.2
				CALCIUM	30700	NA
				CHROMIUM	20.2	30
				COBALT	9.82	NA
				COPPER	18.4	50
				IRON	19300	NA
				LEAD	9.01	63
				MAGNESIUM	5720	NA
				MANGANESE	164	1600
				NICKEL	20.9	30
				POTASSIUM	1950	NA
				SODIUM	144	NA
				VANADIUM	27.7	NA
				ZINC	54.3	109
007-3042	LLCD28	0	12	ALUMINUM	8320	NA
				ANTIMONY	8.68	NA
				ARSENIC	13.2	13
				BARIUM	358	350
				BERYLLIUM	3.61	7.2
				CADMIUM	337	2.5
				CALCIUM	65000	NA
				CHROMIUM	1320	30
				COBALT	6.99	NA
				COPPER	731	50

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3042 (cont.)	LLCD28	0	12	IRON	19100	NA
				LEAD	238	63
				MAGNESIUM	7290	NA
				MANGANESE	550	1600
				NICKEL	97.7	30
				POTASSIUM	1700	NA
				SILVER	136	2
				SODIUM	567	NA
				VANADIUM	21.1	NA
				ZINC	2180	109
007-3043	LLCD28	12	24	ALUMINUM	10000	NA
				ANTIMONY	3.23	NA
				ARSENIC	11.8	13
				BARIUM	302	350
				BERYLLIUM	1.5	7.2
				CADMIUM	100	2.5
				CALCIUM	366000	NA
				CHROMIUM	442	30
				COBALT	6.22	NA
				COPPER	284	50
				IRON	20600	NA
				LEAD	114	63
				MAGNESIUM	6180	NA
				MANGANESE	257	1600
				NICKEL	50.3	30
				POTASSIUM	1690	NA
				SILVER	44.5	2
				SODIUM	448	NA
				VANADIUM	20.5	NA
				ZINC	697	109
007-3021	LLCD34	0	12	ALUMINUM	11200	NA
				ARSENIC	4.7	13
				BARIUM	50	350
				BERYLLIUM	0.439	7.2
				CALCIUM	10400	NA
				CHROMIUM	19.1	30
				COBALT	7.1	NA
				COPPER	39.3	50
				IRON	22400	NA
				LEAD	43	63
				MAGNESIUM	6960	NA
				MANGANESE	271	1600
				NICKEL	24.6	30
				POTASSIUM	2000	NA
				SODIUM	82.5	NA
				VANADIUM	19.6	NA
				ZINC	76.7	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3022	LLCD34	12	24	ALUMINUM	13000	NA
				ARSENIC	5.11	13
				BARIUM	54.4	350
				BERYLLIUM	0.486	7.2
				CADMIUM	0.255	2.5
				CALCIUM	13000	NA
				CHROMIUM	27.7	30
				COBALT	7.64	NA
				COPPER	41	50
				IRON	26300	NA
				LEAD	40.9	63
				MAGNESIUM	9620	NA
				MANGANESE	281	1600
				NICKEL	30.4	30
				POTASSIUM	2540	NA
				SODIUM	112	NA
				VANADIUM	22	NA
				ZINC	171	109
007-0317	LLCD35	0	12	ALUMINUM	10700	NA
				ANTIMONY	4.1	NA
				ARSENIC	11.4	13
				BARIUM	171	350
				BERYLLIUM	0.563	7.2
				CADMIUM	3.33	2.5
				CALCIUM	22500	NA
				CHROMIUM	686	30
				COBALT	12.2	NA
				COPPER	263	50
				IRON	25700	NA
				LEAD	199	63
				MAGNESIUM	11700	NA
				MANGANESE	319	1600
				NICKEL	183	30
				POTASSIUM	1810	NA
				SILVER	4.79	2
				SODIUM	120	NA
				VANADIUM	25.1	NA
				ZINC	328	109
007-3018	LLCD35	12	24	ALUMINUM	9980	NA
				ANTIMONY	1.81	NA
				ARSENIC	10	13
				BARIUM	168	350
				BERYLLIUM	0.521	7.2
				CADMIUM	2	2.5
				CALCIUM	25600	NA
				CHROMIUM	243	30
				COBALT	9.3	NA
				COPPER	169	50
				IRON	20700	NA

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3018 (cont.)	LLCD35	12	24	LEAD	118	63
				MAGNESIUM	9290	NA
				MANGANESE	228	1600
				NICKEL	90.3	30
				POTASSIUM	1590	NA
				SILVER	5.54	2
				SODIUM	103	NA
				VANADIUM	21.5	NA
				ZINC	223	109
007-3012	LLCD39	0	12	ALUMINUM	6050	NA
				ARSENIC	3.79	13
				BARIUM	35	350
				BERYLLIUM	0.258	7.2
				CADMIUM	0.412	2.5
				CALCIUM	50200	NA
				CHROMIUM	11.8	30
				COBALT	5.4	NA
				COPPER	46.2	50
				IRON	11200	NA
				LEAD	39.4	63
				MAGNESIUM	12500	NA
				MANGANESE	242	1600
				NICKEL	14	30
				POTASSIUM	1410	NA
				SODIUM	99.5	NA
				VANADIUM	15.1	NA
				ZINC	50.8	109
007-3013	LLCD39	12	24	ALUMINUM	6100	NA
				ARSENIC	2.59	13
				BARIUM	27.9	350
				BERYLLIUM	0.245	7.2
				CADMIUM	0.198	2.5
				CALCIUM	34300	NA
				CHROMIUM	10.3	30
				COBALT	5.24	NA
				COPPER	37.5	50
				IRON	10400	NA
				LEAD	19.1	63
				MAGNESIUM	9840	NA
				MANGANESE	178	1600
				NICKEL	12.3	30
				POTASSIUM	1390	NA
				SODIUM	85.1	NA
				VANADIUM	13.2	NA
				ZINC	33.2	109
007-3019	LLCD40	0	12	ALUMINUM	7880	NA
				ARSENIC	3.81	13
				BARIUM	28.8	350

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3019 (cont.)	LLCD40	0	12	BERYLLIUM	0.284	7.2
				CALCIUM	1150	NA
				CHROMIUM	11.2	30
				COBALT	5.97	NA
				COPPER	43.3	50
				IRON	13200	NA
				LEAD	15.9	63
				MAGNESIUM	2440	NA
				MANGANESE	261	1600
				NICKEL	13.1	30
				POTASSIUM	1080	NA
				SODIUM	41.2	NA
				VANADIUM	15.2	NA
				ZINC	42.9	109
007-3020	LLCD40	12	24	ALUMINUM	9390	NA
				ARSENIC	2.88	13
				BARIUM	27.8	350
				BERYLLIUM	0.357	7.2
				CALCIUM	11400	NA
				CHROMIUM	14.7	30
				COBALT	4.38	NA
				COPPER	639	50
				IRON	11300	NA
				LEAD	66.2	63
				MAGNESIUM	7630	NA
				MANGANESE	225	1600
				NICKEL	93.9	30
				POTASSIUM	919	NA
				SODIUM	63.6	NA
				VANADIUM	11	NA
				ZINC	134	109
007-3004	LLCD44	0	12	ALUMINUM	11300	NA
				ARSENIC	4.53	13
				BARIUM	52.2	350
				BERYLLIUM	0.43	7.2
				CADMIUM	0.263	2.5
				CALCIUM	5350	NA
				CHROMIUM	17.5	30
				COBALT	9.2	NA
				COPPER	21.1	50
				IRON	19500	NA
				LEAD	19.4	63
				MAGNESIUM	5400	NA
				MANGANESE	554	1600
				NICKEL	19.7	30
				POTASSIUM	2000	NA
				SODIUM	69.3	NA
				VANADIUM	21.5	NA
				ZINC	70.1	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-3005	LLCD44	12	24	ALUMINUM	6770	NA
				ARSENIC	2.69	13
				BARIUM	20.6	350
				BERYLLIUM	0.238	7.2
				CALCIUM	2500	NA
				CHROMIUM	9.27	30
				COBALT	5.55	NA
				COPPER	13.3	50
				IRON	12100	NA
				LEAD	5.09	63
				MAGNESIUM	2610	NA
				MANGANESE	311	1600
				NICKEL	19.7	30
				POTASSIUM	2000	NA
				SODIUM	69.3	NA
				VANADIUM	21.5	NA
				ZINC	70.1	109
007-3126	LLCD49	36	48	ALUMINUM	4360	NA
				ARSENIC	12.7	13
				BARIUM	224	350
				BERYLLIUM	0.313	7.2
				CALCIUM	43900	NA
				CHROMIUM	11	30
				COBALT	3.23	NA
				COPPER	44.7	50
				IRON	19900	NA
				LEAD	11.5	63
				MAGNESIUM	2490	NA
				MANGANESE	181	1600
				NICKEL	16.9	30
				POTASSIUM	438	NA
				SODIUM	432	NA
				VANADIUM	13	NA
				ZINC	23	109
007-3127	LLCD49	84	96	ALUMINUM	1860	NA
				BARIUM	167	350
				CALCIUM	188000	NA
				CHROMIUM	7.04	30
				COBALT	3.36	NA
				COPPER	26.8	50
				IRON	11100	NA
				LEAD	6.19	63
				MAGNESIUM	4670	NA
				MANGANESE	209	1600
				NICKEL	11.4	30
				POTASSIUM	424	NA
				SODIUM	261	NA
				VANADIUM	5.82	NA
				ZINC	40.9	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-2004	SB-T1A	0	6	ALUMINUM	4470	NA
				ARSENIC	4.1	13
				BARIUM	23.8	350
				BERYLLIUM	0.22	7.2
				CADMIUM	0.067	2.5
				CALCIUM	19200	NA
				CHROMIUM	8.1	30
				COBALT	4.7	NA
				COPPER	19.3	50
				IRON	10900	NA
				LEAD	22.7	63
				MAGNESIUM	5640	NA
				MANGANESE	343	1600
				NICKEL	10.3	30
				POTASSIUM	767	NA
				SELENIUM	2.6	3.9
				VANADIUM	8.6	NA
				ZINC	36.8	109
007-2005	SB-T1A	30	36	ALUMINUM	4480	NA
				ANTIMONY	6.4	NA
				ARSENIC	3.8	13
				BARIUM	55.5	350
				BERYLLIUM	0.23	7.2
				CADMIUM	0.12	2.5
				CALCIUM	27700	NA
				CHROMIUM	8.4	30
				COBALT	4.7	NA
				COPPER	28.5	50
				IRON	12100	NA
				LEAD	80.1	63
				MAGNESIUM	5130	NA
				MANGANESE	374	1600
				NICKEL	10.3	30
				POTASSIUM	736	NA
				SELENIUM	2.9	3.9
				VANADIUM	8.8	NA
				ZINC	61.2	109
007-2006	SB-T1A	54	60	ALUMINUM	6540	NA
				ARSENIC	6.4	13
				BARIUM	43.7	350
				BERYLLIUM	0.3	7.2
				CADMIUM	0.089	2.5
				CALCIUM	28200	NA
				CHROMIUM	11.1	30
				COBALT	6	NA
				COPPER	24.7	50
				IRON	13700	NA
				LEAD	21.3	63
				MAGNESIUM	9480	NA

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-2006 (cont.)	SB-T1A	54	60	MANGANESE	401	1600
				NICKEL	13.6	30
				POTASSIUM	872	NA
				SELENIUM	2.9	3.9
				VANADIUM	12.4	NA
				ZINC	45.3	109
007-2001	SB-T2A	0	6	ALUMINUM	6520	NA
				ANTIMONY	6.7	NA
				ARSENIC	3.7	13
				BARIUM	43.7	350
				BERYLLIUM	0.32	7.2
				CADMIUM	0.084	2.5
				CALCIUM	53900	NA
				CHROMIUM	12.5	30
				COBALT	6	NA
				COPPER	19.7	50
				IRON	13600	NA
				LEAD	20.9	63
				MAGNESIUM	22600	NA
				MANGANESE	424	1600
				NICKEL	15	30
				POTASSIUM	1270	NA
				SELENIUM	2.5	3.9
				VANADIUM	13.5	NA
				ZINC	41.6	109
007-2002	SB-T2A	30	36	ALUMINUM	10500	NA
				ANTIMONY	6.3	NA
				ARSENIC	7.1	13
				BARIUM	45.7	350
				BERYLLIUM	0.42	7.2
				CADMIUM	0.081	2.5
				CALCIUM	26600	NA
				CHROMIUM	18.5	30
				COBALT	10.8	NA
				COPPER	88.2	50
				IRON	22900	NA
				LEAD	10.4	63
				MAGNESIUM	18400	NA
				MANGANESE	574	1600
				NICKEL	21.5	30
				POTASSIUM	1270	NA
				SELENIUM	4.9	3.9
				VANADIUM	16.6	NA
				ZINC	40.5	109
007-2003	SB-T2A	54	60	ALUMINUM	9040	NA
				ARSENIC	3.8	13
				BARIUM	37.1	350
				BERYLLIUM	0.36	7.2

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-2003 (cont.)	SB-T2A	54	60	CADMIUM	0.069	2.5
				CALCIUM	21000	NA
				CHROMIUM	14.7	30
				COBALT	6.6	NA
				COPPER	19.9	50
				IRON	16800	NA
				LEAD	7.4	63
				MAGNESIUM	14700	NA
				MANGANESE	489	1600
				NICKEL	22.1	30
				POTASSIUM	1150	NA
				SELENIUM	3.8	3.9
				VANADIUM	14.8	NA
				ZINC	47.3	109
007-2007	SB-T3A	0	6	ALUMINUM	5430	NA
				ANTIMONY	6.6	NA
				ARSENIC	4.8	13
				BARIUM	42.8	350
				BERYLLIUM	0.27	7.2
				CADMIUM	0.18	2.5
				CALCIUM	38200	NA
				CHROMIUM	11	30
				COBALT	5.8	NA
				COPPER	23.1	50
				IRON	12600	NA
				LEAD	32.9	63
				MAGNESIUM	15600	NA
				MANGANESE	387	1600
				NICKEL	13.1	30
				POTASSIUM	1150	NA
				SELENIUM	2.5	3.9
				VANADIUM	12.7	NA
				ZINC	64.6	109
007-2008	SB-T3A	30	36	ALUMINUM	8310	NA
				ANTIMONY	4.9	NA
				ARSENIC	5	13
				BARIUM	73.2	350
				BERYLLIUM	0.42	7.2
				CADMIUM	0.16	2.5
				CALCIUM	27700	NA
				CHROMIUM	13.3	30
				COBALT	7.3	NA
				COPPER	18.7	50
				IRON	18000	NA
				LEAD	56.6	63
				MAGNESIUM	9190	NA
				MANGANESE	393	1600
				NICKEL	18	30
				POTASSIUM	1140	NA

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-2008 (cont.)	SB-T3A	30	36	SELENIUM	3.8	3.9
				VANADIUM	15.9	NA
				ZINC	64.7	109
007-2009	SB-T3A	54	60	ALUMINUM	9030	NA
				ANTIMONY	4.6	NA
				ARSENIC	5.5	13
				BARIUM	52.3	350
				BERYLLIUM	0.36	7.2
				CADMIUM	0.26	2.5
				CALCIUM	28100	NA
				CHROMIUM	16	30
				COBALT	10	NA
				COPPER	53.1	50
				IRON	31100	NA
				LEAD	8.7	63
				MAGNESIUM	17600	NA
				MANGANESE	577	1600
				NICKEL	21.3	30
				POTASSIUM	1400	NA
				SELENIUM	6.4	3.9
				VANADIUM	14.8	NA
				ZINC	57.6	109
007-2010	SB-T4A	0	6	ALUMINUM	7610	NA
				ANTIMONY	6.4	NA
				ARSENIC	5.2	13
				BARIUM	34.8	350
				BERYLLIUM	0.3	7.2
				CALCIUM	58000	NA
				CHROMIUM	12.6	30
				COBALT	10.1	NA
				COPPER	72	50
				IRON	14400	NA
				LEAD	7.2	63
				MAGNESIUM	32000	NA
				MANGANESE	427	1600
				NICKEL	17.1	30
				POTASSIUM	1640	NA
				SELENIUM	2.4	3.9
				VANADIUM	11.8	NA
				ZINC	48.8	109
007-2011	SB-T4A	30	36	ALUMINUM	10900	NA
				ARSENIC	4.3	13
				BARIUM	43.1	350
				BERYLLIUM	0.44	7.2
				CALCIUM	22800	NA
				CHROMIUM	16.9	30
				COBALT	8.1	NA
				COPPER	24.8	50

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-2011 (cont.)	SB-T4A	30	36	IRON	23100	NA
				LEAD	4.8	63
				MAGNESIUM	14600	NA
				MANGANESE	682	1600
				NICKEL	21.3	30
				POTASSIUM	1610	NA
				SELENIUM	4.7	3.9
				VANADIUM	17.3	NA
				ZINC	35.1	109
007-2012	SB-T4A	54	60	ALUMINUM	4690	NA
				ANTIMONY	5.9	NA
				ARSENIC	9.2	13
				BARIUM	814	350
				BERYLLIUM	0.33	7.2
				CADMIUM	2.2	2.5
				CALCIUM	27200	NA
				CHROMIUM	46.6	30
				COBALT	12.7	NA
				COPPER	209	50
				IRON	22800	NA
				LEAD	315	63
				MAGNESIUM	6680	NA
				MANGANESE	253	1600
				NICKEL	142	30
				POTASSIUM	642	NA
				SELENIUM	6.8	3.9
				VANADIUM	19.5	NA
				ZINC	296	109
007-2014	SB-1500	0	6	ALUMINUM	11200	NA
				ANTIMONY	5.6	NA
				ARSENIC	4.7	13
				BARIUM	56.1	350
				BERYLLIUM	0.47	7.2
				CADMIUM	0.28	2.5
				CALCIUM	13300	NA
				CHROMIUM	20.3	30
				COBALT	9.7	NA
				COPPER	38.3	50
				IRON	22700	NA
				LEAD	36.4	63
				MAGNESIUM	12000	NA
				MANGANESE	485	1600
				NICKEL	22.9	30
				POTASSIUM	2050	NA
				SELENIUM	5.2	3.9
				VANADIUM	19.8	NA
				ZINC	76.2	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-2015	SB-1500	30	36	ALUMINUM	5720	NA
				ANTIMONY	6.1	NA
				ARSENIC	11.7	13
				BARIUM	193	350
				BERYLLIUM	0.35	7.2
				CADMIUM	0.9	2.5
				CALCIUM	23200	NA
				CHROMIUM	18.4	30
				COBALT	5.7	NA
				COPPER	1050	50
				IRON	29500	NA
				LEAD	236	63
				MAGNESIUM	5660	NA
				MANGANESE	251	1600
				NICKEL	38.4	30
				POTASSIUM	713	NA
				SELENIUM	7.5	3.9
				SILVER	1.1	2
				VANADIUM	12.8	NA
				ZINC	384	109
007-2016	SB-1500	54	60	ALUMINUM	8870	NA
				ANTIMONY	7.4	NA
				ARSENIC	9.4	13
				BARIUM	160	350
				BERYLLIUM	0.32	7.2
				CADMIUM	0.53	2.5
				CALCIUM	15900	NA
				CHROMIUM	11.2	30
				COBALT	5.3	NA
				COPPER	132	50
				IRON	19100	NA
				LEAD	121	63
				MAGNESIUM	4430	NA
				MANGANESE	357	1600
				NICKEL	21.8	30
				POTASSIUM	644	NA
				SELENIUM	5.1	3.9
				SILVER	1.3	2
				VANADIUM	13.8	NA
				ZINC	225	109
007-2017	SB-1501	0	6	ALUMINUM	9640	NA
				ANTIMONY	6.7	NA
				ARSENIC	3.7	13
				BARIUM	47.9	350
				BERYLLIUM	0.4	7.2
				CADMIUM	0.66	2.5
				CALCIUM	7470	NA
				CHROMIUM	18.6	30
				COBALT	7.5	NA

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-2017 (cont.)	SB-1501	0	6	COPPER	24.1	50
				IRON	19800	NA
				LEAD	64.3	63
				MAGNESIUM	8440	NA
				MANGANESE	477	1600
				NICKEL	23.7	30
				POTASSIUM	1740	NA
				SELENIUM	4.6	3.9
				VANADIUM	17.3	NA
				ZINC	107	109
007-2018	SB-1501	30	36	ALUMINUM	11600	NA
				ANTIMONY	5	NA
				ARSENIC	3.7	13
				BARIUM	45.8	350
				BERYLLIUM	0.45	7.2
				CADMIUM	0.062	2.5
				CALCIUM	11300	NA
				CHROMIUM	18.1	30
				COBALT	8	NA
				COPPER	19.5	50
				IRON	22100	NA
				LEAD	6.1	63
				MAGNESIUM	11100	NA
				MANGANESE	345	1600
				NICKEL	21.7	30
				POTASSIUM	1640	NA
				SELENIUM	4.7	3.9
				VANADIUM	18.9	NA
				ZINC	36	109
007-2019	SB-1501	54	60	ALUMINUM	6950	NA
				ANTIMONY	7.8	NA
				ARSENIC	4.3	13
				BARIUM	107	350
				BERYLLIUM	0.31	7.2
				CADMIUM	0.55	2.5
				CALCIUM	30500	NA
				CHROMIUM	10	30
				COBALT	4.1	NA
				COPPER	78.1	50
				IRON	14800	NA
				LEAD	52.3	63
				MAGNESIUM	6530	NA
				MANGANESE	185	1600
				NICKEL	19.1	30
				POTASSIUM	672	NA
				SELENIUM	4.2	3.9
				VANADIUM	11.8	NA
				ZINC	246	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-2024	SW-5	30	36	ALUMINUM	8880	NA
				ARSENIC	9.7	13
				BARIUM	145	350
				BERYLLIUM	0.54	7.2
				CADMIUM	2.3	2.5
				CALCIUM	13200	NA
				CHROMIUM	77.8	30
				COBALT	8.1	NA
				COPPER	258	50
				IRON	17100	NA
				LEAD	129	63
				MAGNESIUM	9300	NA
				MANGANESE	123	1600
				NICKEL	46.7	30
				POTASSIUM	1220	NA
				SELENIUM	5.6	3.9
				SILVER	11.8	2
				VANADIUM	17.2	NA
				ZINC	337	109
SP-1A	SP-01	0	6	ALUMINUM	7820	NA
				CALCIUM	45100	NA
				IRON	16400	NA
				MAGNESIUM	14000	NA
				POTASSIUM	1460	NA
				SODIUM	621	NA
				ANTIMONY	1.1	NA
				ARSENIC	7.1	13
				BARIUM	94.8	350
				BERYLLIUM	0.43	7.2
				CADMIUM	5.9	2.5
				CHROMIUM	78.4	30
				COBALT	6.4	NA
				COPPER	84.2	50
				LEAD	126	63
				MANGANESE	365	1600
				NICKEL	30.8	30
				SELENIUM	0.75	3.9
				SILVER	2.7	2
				THALLIUM	0.56	NA
				VANADIUM	18.4	NA
				ZINC	265	109
SP-1B	SP-01	6	12	ALUMINUM	7630	NA
				CALCIUM	38000	NA
				IRON	15500	NA
				MAGNESIUM	11900	NA
				POTASSIUM	1370	NA
				SODIUM	710	NA
				ANTIMONY	1.4	NA
				ARSENIC	8.4	13

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
SP-1B (cont.)	SP-01	6	12	BARIUM	123	350
				BERYLLIUM	0.55	7.2
				CADMIUM	12.7	2.5
				CHROMIUM	142	30
				COBALT	7.1	NA
				COPPER	120	50
				LEAD	173	63
				MANGANESE	368	1600
				NICKEL	46	30
				SELENIUM	0.81	3.9
				SILVER	5.3	2
				THALLIUM	0.68	NA
				VANADIUM	20.2	NA
				ZINC	317	109
SP-1C	SP-01	18	24	ALUMINUM	7860	NA
				CALCIUM	24900	NA
				IRON	15400	NA
				MAGNESIUM	10100	NA
				POTASSIUM	1490	NA
				SODIUM	792	NA
				ANTIMONY	1.5	NA
				ARSENIC	10.6	13
				BARIUM	137	350
				BERYLLIUM	0.52	7.2
				CADMIUM	25.3	2.5
				CHROMIUM	167	30
				COBALT	6.5	NA
				COPPER	133	50
				LEAD	94.8	63
				MANGANESE	287	1600
				NICKEL	42.7	30
				SELENIUM	0.84	3.9
				SILVER	9.7	2
				THALLIUM	0.75	NA
				VANADIUM	18.9	NA
				ZINC	299	109
SP-2A	SP-02	0	6	ALUMINUM	7620	NA
				CALCIUM	58700	NA
				IRON	19900	NA
				MAGNESIUM	16700	NA
				POTASSIUM	1020	NA
				SODIUM	844	NA
				ANTIMONY	1.7	NA
				ARSENIC	8.4	13
				BARIUM	122	350
				BERYLLIUM	0.47	7.2
				CADMIUM	3.7	2.5
				CHROMIUM	99.8	30
				COBALT	7.6	NA

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
SP-2A (cont.)	SP-02	0	6	COPPER	91.3	50
				LEAD	110	63
				MANGANESE	465	1600
				NICKEL	43.8	30
				SELENIUM	0.89	3.9
				SILVER	1.7	2
				THALLIUM	0.86	NA
				VANADIUM	21.6	NA
				ZINC	287	109
SP-2B	SP-02	6	12	ALUMINUM	8010	NA
				CALCIUM	50600	NA
				IRON	20000	NA
				MAGNESIUM	14400	NA
				POTASSIUM	959	NA
				SODIUM	993	NA
				ANTIMONY	1.8	NA
				ARSENIC	8.9	13
				BARIUM	168	350
				BERYLLIUM	0.54	7.2
				CADMIUM	7.6	2.5
				CHROMIUM	230	30
				COBALT	6.4	NA
				COPPER	147	50
				LEAD	149	63
				MANGANESE	237	1600
				NICKEL	77	30
				SELENIUM	1.1	3.9
				SILVER	3	2
				THALLIUM	0.92	NA
				VANADIUM	20.1	NA
				ZINC	270	109
SP-2C	SP-02	18	24	ALUMINUM	6710	NA
				CALCIUM	48900	NA
				IRON	14100	NA
				MAGNESIUM	8770	NA
				POTASSIUM	1350	NA
				SODIUM	2420	NA
				ANTIMONY	3.3	NA
				ARSENIC	10.8	13
				BARIUM	209	350
				BERYLLIUM	0.42	7.2
				CADMIUM	8.6	2.5
				CHROMIUM	167	30
				COBALT	4.6	NA
				COPPER	112	50
				LEAD	103	63
				MANGANESE	159	1600
				NICKEL	67.5	30
				SELENIUM	2	3.9

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
SP-2C (cont.)	SP-02	18	24	SILVER	2.2	2
				THALLIUM	1.6	NA
				VANADIUM	18.9	NA
				ZINC	205	109
SP-3A	SP-03	0	6	ALUMINUM	8660	NA
				CALCIUM	66800	NA
				IRON	20000	NA
				MAGNESIUM	17600	NA
				POTASSIUM	1080	NA
				SODIUM	1130	NA
				ANTIMONY	4.1	NA
				ARSENIC	11.9	13
				BARIUM	147	350
				BERYLLIUM	0.58	7.2
				CADMIUM	5.9	2.5
				CHROMIUM	112	30
				COBALT	8.9	NA
				COPPER	122	50
				LEAD	135	63
				MANGANESE	413	1600
				NICKEL	56	30
				SELENIUM	1.1	3.9
				SILVER	2.1	2
				THALLIUM	1.1	NA
				VANADIUM	25.8	NA
				ZINC	402	109
SP-3B	SP-03	6	12	ALUMINUM	9970	NA
				CALCIUM	52100	NA
				IRON	17900	NA
				MAGNESIUM	15800	NA
				POTASSIUM	1510	NA
				SODIUM	902	NA
				ANTIMONY	1.9	NA
				ARSENIC	7.8	13
				BARIUM	170	350
				BERYLLIUM	0.63	7.2
				CADMIUM	11.2	2.5
				CHROMIUM	379	30
				COBALT	7.3	NA
				COPPER	230	50
				LEAD	229	63
				MANGANESE	242	1600
				NICKEL	99.1	30
				SELENIUM	1.2	3.9
				SILVER	4.1	2
				THALLIUM	0.91	NA
				VANADIUM	26.7	NA
				ZINC	376	109

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
SP-3C	SP-03	18	24	ALUMINUM	10700	NA
				CALCIUM	45300	NA
				IRON	18400	NA
				MAGNESIUM	14000	NA
				POTASSIUM	1560	NA
				SODIUM	1010	NA
				ANTIMONY	2.2	NA
				ARSENIC	9.5	13
				BARIUM	193	350
				BERYLLIUM	0.65	7.2
				CADMIUM	12	2.5
				CHROMIUM	368	30
				COBALT	7.5	NA
				COPPER	216	50
				LEAD	257	63
				MANGANESE	211	1600
				NICKEL	113	30
				SELENIUM	1.3	3.9
				SILVER	4.8	2
				THALLIUM	1.1	NA
				VANADIUM	25.6	NA
				ZINC	378	109
SP-4A	SP-04	0	6	ALUMINUM	6150	NA
				CALCIUM	56600	NA
				IRON	16600	NA
				MAGNESIUM	16000	NA
				POTASSIUM	706	NA
				SODIUM	730	NA
				ANTIMONY	1.6	NA
				ARSENIC	7.8	13
				BARIUM	110	350
				BERYLLIUM	0.4	7.2
				CADMIUM	2	2.5
				CHROMIUM	52	30
				COBALT	6.5	NA
				COPPER	78.8	50
				LEAD	80	63
				MANGANESE	284	1600
				NICKEL	29.6	30
				SELENIUM	0.7	3.9
				SILVER	1.2	2
				THALLIUM	0.81	NA
				VANADIUM	18.4	NA
				ZINC	268	109
SP-4B	SP-04	6	12	ALUMINUM	5320	NA
				CALCIUM	53200	NA
				IRON	10400	NA
				MAGNESIUM	15100	NA
				POTASSIUM	538	NA

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
SP-4B (cont.)	SP-04	6	12	SODIUM	827	NA
				ANTIMONY	1.6	NA
				ARSENIC	6.1	13
				BARIUM	93.3	350
				BERYLLIUM	0.39	7.2
				CADMIUM	2.3	2.5
				CHROMIUM	65.4	30
				COBALT	5.8	NA
				COPPER	89.9	50
				LEAD	115	63
				MANGANESE	195	1600
				NICKEL	28.2	30
				SELENIUM	0.74	3.9
				SILVER	1.4	2
				THALLIUM	0.78	NA
				VANADIUM	16.2	NA
				ZINC	261	109
SP-4C	SP-04	18	24	ALUMINUM	6220	NA
				CALCIUM	54400	NA
				IRON	15700	NA
				MAGNESIUM	14700	NA
				POTASSIUM	618	NA
				SODIUM	745	NA
				ANTIMONY	1.7	NA
				ARSENIC	9.4	13
				BARIUM	114	350
				BERYLLIUM	0.46	7.2
				CADMIUM	4.5	2.5
				CHROMIUM	116	30
				COBALT	7.2	NA
				COPPER	123	50
				LEAD	224	63
				MANGANESE	258	1600
				NICKEL	46.4	30
				SELENIUM	0.78	3.9
				SILVER	3.2	2
				THALLIUM	0.87	NA
				VANADIUM	19.2	NA
				ZINC	275	109
SP-5A	SP-05	0	6	ALUMINUM	6380	NA
				CALCIUM	70500	NA
				IRON	23000	NA
				MAGNESIUM	16300	NA
				POTASSIUM	778	NA
				SODIUM	1128	NA
				ANTIMONY	2.4	NA
				ARSENIC	8.2	13
				BARIUM	157	350
				BERYLLIUM	0.6	7.2

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
SP-5A (cont.)	SP-05	0	6	CADMIUM	2.3	2.5
				CHROMIUM	122	30
				COBALT	7.4	NA
				COPPER	128	50
				LEAD	104	63
				MANGANESE	382	1600
				NICKEL	43.8	30
				SELENIUM	0.99	3.9
				SILVER	2.5	2
				THALLIUM	1.2	NA
				VANADIUM	21.9	NA
				ZINC	306	109
SP-5B	SP-05	6	12	ALUMINUM	6630	NA
				CALCIUM	40200	NA
				IRON	24400	NA
				MAGNESIUM	12200	NA
				POTASSIUM	704	NA
				SODIUM	1114	NA
				ANTIMONY	2.4	NA
				ARSENIC	9.2	13
				BARIUM	147	350
				BERYLLIUM	0.6	7.2
				CADMIUM	3.5	2.5
				CHROMIUM	154	30
				COBALT	7.5	NA
				COPPER	189	50
				LEAD	176	63
				MANGANESE	233	1600
				NICKEL	61.3	30
				SELENIUM	1.3	3.9
				SILVER	6.9	2
				THALLIUM	1.2	NA
				VANADIUM	21	NA
				ZINC	291	109
SP-5C	SP-05	18	24	ALUMINUM	13000	NA
				CALCIUM	41900	NA
				IRON	27400	NA
				MAGNESIUM	15000	NA
				POTASSIUM	2210	NA
				SODIUM	1270	NA
				ANTIMONY	2.5	NA
				ARSENIC	11.3	13
				BARIUM	183	350
				BERYLLIUM	0.67	7.2
				CADMIUM	5.3	2.5
				CHROMIUM	419	30
				COBALT	8.4	NA
				COPPER	278	50
				LEAD	254	63

Table 4.4b
Metal Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
SP-5C (cont.)	SP-05	18	24	MANGANESE	250	1600
				NICKEL	124	30
				SELENIUM	1.6	3.9
				SILVER	8.6	2
				THALLIUM	1.3	NA
				VANADIUM	27.4	NA
				ZINC	368	109

Notes:
Highlighted cells indicate results greater than the Unrestricted Use NYS Soil Criteria
NYS - New York State
in - inches
mg/kg - milligrams per kilogram
NA - Not Available

Table 4.4c
Cyanide and Mercury Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
Cyanide						
007-1007	SW-3B	6	12	CYANIDE	0.25	27
007-1008	SW-4A	0	6	CYANIDE	0.97	27
007-1010		0	6		2.9	27
007-1011		6	12		5.5	27
007-1012	SW-6A	0	6	CYANIDE	2.3	27
007-1013	SW-6B	6	12		21.4	27
007-1014	SW-7A	0	6	CYANIDE	0.57	27
007-2014	SB-1500	0	6	CYANIDE	0.34	27
007-2015		30	36		1	27
007-2016		54	60		0.57	27
007-2017	SB-1501	0	6	CYANIDE	0.25	27
007-2019		54	60		1.3	27
007-2024	SW-5	30	36	CYANIDE	0.51	27
007-2004	SB-T1A	0	6	CYANIDE	0.29	27
007-2005		30	36		0.12	27
007-2006		54	60		0.18	27
007-2001	SB-T2A	0	6	CYANIDE	0.17	27
007-2002		30	36		0.22	27
007-2007	SB-T3A	0	6	CYANIDE	0.6	27
007-2009		54	60		0.29	27
007-2010	SB-T4A	0	6	CYANIDE	0.41	27
007-2011		30	36		0.3	27
007-2012		54	60		1.9	27
Mercury						
007-1001	SW-1A	0	6	MERCURY	0.21	0.18
007-1004	SW-2A	0	6	MERCURY	0.22	0.18
007-1006	SW-3A	0	6	MERCURY	0.16	0.18
007-1007	SW-3B	6	12		0.22	0.18
007-1008	SW-4A	0	6	MERCURY	0.43	0.18
007-1010	SW-5A	0	6	MERCURY	0.69	0.18
007-1011	SW-5B	6	12		0.55	0.18
007-1012	SW-6A	0	6	MERCURY	0.54	0.18
007-1013	SW-6B	6	12		0.73	0.18
007-2014	SB-1500	0	6	MERCURY	0.046	0.18
007-2015		30	36		3.5	0.18
007-2016		54	60		0.61	0.18

Table 4.4c
Cyanide and Mercury Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
007-2017	SB-1501	0	6	MERCURY	0.12	0.18
007-2018		30	36		0.012	0.18
007-2019		54	60		0.33	0.18
007-3056	LLCD01	0	12	MERCURY	0.109	0.18
007-0057		12	24		0.348	0.18
007-3059	LLCD02	0	12	MERCURY	0.391	0.18
007-0060		12	24		0.216	0.18
007-3075	LLCD13	0	12	MERCURY	1.5	0.18
007-0076		12	24		1.35	0.18
007-3077	LLCD14	0	12	MERCURY	0.297	0.18
007-0078		12	24		0.193	0.18
007-3081	LLCD17	0	12	MERCURY	0.0696	0.18
007-0082		12	24		0.262	0.18
007-3046	LLCD21	0	12	MERCURY	0.956	0.18
007-3047		12	24		1.3	0.18
007-3040	LLCD25	0	12	MERCURY	1.09	0.18
007-3041		12	24		0.684	0.18
007-3138		48	60		0.124	0.18
007-3139		84	96		0.196	0.18
007-3032	LLCD27	0	12	MERCURY	0.819	0.18
007-3033		12	24		0.174	0.18
007-3042	LLCD28	0	12	MERCURY	4.11	0.18
007-3043		12	24		1.92	0.18
007-3021	LLCD34	0	12	MERCURY	0.185	0.18
007-3022		12	24		0.168	0.18
007-0317	LLCD35	0	12	MERCURY	0.767	0.18
007-3018		12	24		0.845	0.18
007-3012	LLCD39	0	12	MERCURY	0.134	0.18
007-3013		12	24		0.0557	0.18
007-30019	LLCD40	0	12	MERCURY	0.0696	0.18
007-3020		12	24		0.0518	0.18
007-3004	LLCD44	0	12	MERCURY	0.0807	0.18
007-3005		12	24		0.0807	0.18
007-3126	LLCD49	36	48	MERCURY	0.254	0.18
SP-1A	SP-01	0	6	MERCURY	0.29	0.18
SP-1B		6	12		0.62	0.18
SP-1C		18	24		1.1	0.18

Table 4.4c
Cyanide and Mercury Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
SP-2A	SP-02	0	6	MERCURY	0.26	0.18
SP-2B		6	12		0.23	0.18
SP-2C		18	24		0.32	0.18
SP-3A	SP-03	0	6	MERCURY	0.26	0.18
SP-3B		6	12		0.43	0.18
SP-3C		18	24		0.62	0.18
SP-4A	SP-04	0	6	MERCURY	0.18	0.18
SP-4B		6	12		0.15	0.18
SP-4C		18	24		0.25	0.18
SP-5A	SP-05	0	6	MERCURY	0.27	0.18
SP-5B		6	12		0.91	0.18
SP-5C		18	24		0.98	0.18
007-2024	SW-5	30	36	MERCURY	1.1	0.18
007-2004	SB-T1A	0	6	MERCURY	0.094	0.18
007-2005		30	36		0.036	0.18
007-2006		54	60		0.04	0.18
007-2001	SB-T2A	0	6	MERCURY	0.083	0.18
007-2002		30	36		0.03	0.18
007-2003		54	60		0.017	0.18
007-2007	SB-T3A	0	6	MERCURY	0.067	0.18
007-2008		30	36		0.094	0.18
007-2009		54	60		0.033	0.18
007-2010	SB-T4A	0	6	MERCURY	0.018	0.18
007-2011		30	36		0.017	0.18
007-2012		54	60		0.29	0.18

Notes:
Highlighted cells indicate results greater than the Unrestricted Use NYS Soil Criteria
NYS - New York State
in - inches
mg/kg - milligrams per kilogram
NA - Not Available

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Table 4.4d
PCB Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
Aroclor-1016						
007-2033	SB-1505	30	36	Aroclor-1016	240	100
007-2046	SB-1509	54	60	Aroclor-1016	45	100
Aroclor-1242						
SP-4A	SP-04	0	6	Aroclor-1242	310	100
SP-4B		6	12		710	100
SP-4C		18	24		2800	100
SP-5A	SP-05	0	6	Aroclor-1242	490	100
SP-5B		6	12		520	100
SP-5C		18	24		2400	100
Aroclor-1248						
007-1001	SW-1A	0	6	Aroclor-1248	220	100
007-1002	SW-1B	6	12		340	100
007-1004	SW-2A	0	6	Aroclor-1248	300	100
007-1006	SW-3A	0	6	Aroclor-1248	2500	100
007-1007	SW-3B	6	12		6500	100
007-1008	SW-4A	0	6	Aroclor-1248	1000	100
007-1009	SW-4B	6	12		3600	100
007-1010	SW-5A	0	6	Aroclor-1248	210000	100
007-1011	SW-5B	6	12		260000	100
007-1012	SW-6A	0	6	Aroclor-1248	230000	100
007-1013	SW-6B	6	12		500000	100
007-1014	SW-7A	0	6	Aroclor-1248	390	100
007-2015	SB-1500	30	36	Aroclor-1248	62	100
007-2019	SB-1501	54	60	Aroclor-1248	66	100
007-2020	SB-1502	0	6	Aroclor-1248	28	100
007-2026	SB-1503	0	6	Aroclor-1248	68	100
007-2027		30	36		110000	100
007-2028		54	60		28000	100
007-2029	SB-1504	0	6	Aroclor-1248	29000	100
007-2030		30	36		450000	100
007-2031		54	60		140000	100
007-2032	SB-1505	0	6	Aroclor-1248	280000	100
007-2034		54	60		110	100
007-2035	SB-1506	0	6	Aroclor-1248	350000	100
007-2036		30	36		4500	100
007-2037		54	60		290	100

Table 4.4d
PCB Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-2038	SB-1507	0	6	Aroclor-1248	160000	100
007-2039		30	36		2500	100
007-2040		54	60		31	100
007-2041	SB-1508	0	6	Aroclor-1248	390	100
007-2042		30	36		36000	100
007-2047	SB-1510	0	6	Aroclor-1248	7600	100
007-2049		54	60		29000	100
007-2051	SB-1511	0	6	Aroclor-1248	240000	100
007-2052		30	36		800	100
007-3059	LLCD02	0	12	Aroclor-1248	26.3	100
007-3088	LLCD08	12	24	Aroclor-1248	4100	100
007-3059	LLCD13	0	12	Aroclor-1248	69	100
007-3077	LLCD14	0	12	Aroclor-1248	116	100
007-0078		12	24		62.8	100
007-3046	LLCD21	0	12	Aroclor-1248	2790	100
007-3047		12	24		4960	100
007-3040	LLCD25	0	12	Aroclor-1248	8880	100
007-3041		12	24		3050	100
007-3032	LLCD27	0	12	Aroclor-1248	2790	100
007-3033		12	24		86100	100
007-3042	LLCD28	0	12	Aroclor-1248	265	100
007-3045	LLCD29	12	24	Aroclor-1248	13700	100
007-3067	LLCD32	0	12	Aroclor-1248	3300	100
007-0317	LLCD35	0	12	Aroclor-1248	40900	100
007-3018		12	24	*Aroclor-1248*	*11900*	100
007-3018		12	24	*Aroclor-1248*	*564*	100
007-3029	LLCD38	12	24	Aroclor-1248	40200	100
007-3020	LLCD40	12	24	Aroclor-1248	363	100
SP-1A	SP-01	0	6	Aroclor-1248	1200	100
SP-1B		6	12		1700	100
SP-1C		18	24		830	100
SP-2A	SP-02	0	6	Aroclor-1248	370	100
SP-2B		6	12		770	100
SP-2C		18	24		250	100

Table 4.4d
PCB Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-3A	SP-03	0	6	Aroclor-1248	230	100
SP-3B		6	12		1600	100
SP-3C		18	24		1200	100
007-2023	SW-5	0	6	Aroclor-1248	170000	100
Aroclor-1254						
007-2015	SB-1500	30	36	Aroclor-1254	72	100
007-2016		54	60		260	100
007-2019	SB-1501	54	60	Aroclor-1254	110	100
007-2020	SB-1502	0	6	Aroclor-1254	28	100
007-2026	SB-1503	0	6	Aroclor-1254	140	100
007-2027		30	36		42000	100
007-2028		54	60		10000	100
007-2029	SB-1504	0	6	Aroclor-1254	10000	100
007-2030		30	36		120000	100
007-2031		54	60		37000	100
007-2032	SB-1505	0	6	Aroclor-1254	84000	100
007-2035	SB-1506	0	6	Aroclor-1254	170000	100
007-2036		30	36		2100	100
007-2037		54	60		110	100
007-2038	SB-1507	0	6	Aroclor-1254	93000	100
007-2039		30	36		1100	100
007-2041	SB-1508	0	6	Aroclor-1254	270	100
007-2042		30	36		16000	100
007-2047	SB-1510	0	6	Aroclor-1254	2200	100
007-2049		54	60		6600	100
007-2051	SB-1511	0	6	Aroclor-1254	100000	100
007-2052		30	36		280	100
007-2023	SW-5	0	6	Aroclor-1254	59000	100
007-2005	SB-T1A	30	36	Aroclor-1254	130	100
Aroclor-1260						
007-2033	SB-1505	30	36	Aroclor-1260	510	100
007-2045	SB-1509	30	36	Aroclor-1260	39	100
007-2046		54	60		110	100
007-0057	LLCD01	12	24	Aroclor-1260	69.3	100
007-3059		0	12		55	100
007-3088	LLCD08	12	24	Aroclor-1260	546	100

Table 4.4d
PCB Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3075	LLCD13	0	12	Aroclor-1260	235	100
007-0076		12	24		164	100
007-3077	LLCD14	0	12	Aroclor-1260	34.7	100
007-3046	LLCD21	0	12	Aroclor-1260	576	100
007-3047		12	24		711	100
007-3040	LLCD25	0	12	Aroclor-1260	851	100
007-3041		12	24		303	100
007-3033	LLCD27	0	12	Aroclor-1260	79.6	100
007-3033		12	24		2910	100
007-3042	LLCD28	0	12	Aroclor-1260	1090	100
007-3043		12	24		408	100
007-3045	LLCD29	12	24	Aroclor-1260	1670	100
007-3067	LLCD32	0	12	Aroclor-1260	930	100
007-3021	LLCD34	0	12	Aroclor-1260	26.6	100
007-3022		12	24		36.5	100
007-0317	LLCD35	0	12	Aroclor-1260	2140	100
007-3029	LLCD38	12	24	Aroclor-1260	2940	100
007-3012	LLCD39	0	12	Aroclor-1260	34.9	100
007-2012	SB-T4A	54	60	Aroclor-1260	380	100
Aroclor-1268						
007-2017	SB-1501	0	6	Aroclor-1268	140	100
007-2019		54	60		63	100
007-2020	SB-1502	0	6	Aroclor-1268	20	100
007-2026	SB-1503	0	6	Aroclor-1268	100	100

Notes:
Highlighted cells indicate results greater than the Unrestricted Use NYS Soil Criteria
Results in italics indicate samples analyzed for the same chemical multiple times
PCB - polychlorinated biphenyl
NYS - New York State
in - inches
µg/kg - micrograms per kilogram

Table 4.4e
VOC Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3056	LLCD01	0	12	2-Butanone	8.14	NA
				Acetone	72.7	50
007-0057	LLCD01	12	24	2-Butanone	14.3	NA
				Acetone	100	50
				Naphthalene	233	12000
007-3059	LLCD02	0	12	2-Butanone	17	NA
				Acetone	163	50
				Benzene	2.04	60
				Naphthalene	1250	12000
007-0060	LLCD02	12	24	2-Butanone	47.8	NA
				Acetone	390	50
				Naphthalene	3680	12000
				Toluene	5.14	700
				Trichloroethene	3.6	470
007-3075	LLCD13	0	12	2-Butanone	8.43	NA
				Acetone	63.5	50
				Benzene	1.19	60
				Naphthalene	630	12000
				Toluene	3.93	700
007-0076	LLCD13	12	24	2-Butanone	6.43	NA
				Acetone	124	50
				Benzene	3.34	60
				Naphthalene	339	12000
007-3077	LLCD14	0	12	2-Butanone	13.4	NA
				Acetone	103	50
				Benzene	7.37	60
007-0078	LLCD14	12	24	2-Butanone	10.7	NA
				Acetone	89.1	50
007-3081	LLCD17	0	12	Acetone	32.4	50
				Benzene	6.48	60
				Naphthalene	93.5	12000
				Toluene	1.68	700
007-0082	LLCD17	12	24	2-Butanone	9.47	NA
				Acetone	57	50
				Benzene	57.3	60
				Naphthalene	1.12	12000
				Toluene	7.53	700
				Xylene - p & m	2.63	260
007-3046	LLCD21	0		2-Butanone	33	NA
				Acetone	460	50
				Toluene	7.56	700

Table 4.4e
VOC Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3047	LLCD21	12	24	2-Butanone	31.9	NA
				Acetone	374	50
				Toluene	14.5	700
007-3040	LLCD25	0	12	2-Butanone	69.6	NA
				Acetone	479	50
				Naphthalene	123	12000
				Toluene	10.7	700
				Trichloroethene	7.52	470
007-3041	LLCD25	12	24	2-Butanone	73	NA
				Acetone	501	50
				Naphthalene	198	12000
007-3138	LLCD25	48	60	2-Butanone	2.66	NA
				Acetone	34.9	50
				Toluene	5.46	700
				Xylene - p & m	4.13	260
007-3139	LLCD25	84	96	2-Butanone	41.9	NA
				Acetone	252	50
				Benzene	3.48	60
				Toluene	9.56	700
				Xylene - p & m	5.19	260
007-3032	LLCD27	0	12	2-Butanone	41.2	NA
				Acetone	338	50
				Toluene	2.88	700
				Trichloroethene	8.13	470
007-3033	LLCD27	12	24	2-Butanone	382	NA
				Acetone	2030	50
007-3130	LLCD27	48	60	2-Butanone	67.3	NA
				Acetone	475	50
007-3131	LLCD27	84	96	2-Butanone	42.8	NA
				Acetone	292	50
007-3042	LLCD28	0	12	2-Butanone	25.4	NA
				Acetone	229	50
				Toluene	12.1	700
007-3043	LLCD28	12	24	2-Butanone	26.2	NA
				Acetone	268	50
				Toluene	18.3	700
007-3021	LLCD34	0	12	2-Butanone	12	NA
				Acetone	147	50
				Naphthalene	73.1	12000
				Toluene	2.36	700

Table 4.4e
VOC Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3022	LLCD34	12	24	2-Butanone	16.1	NA
				Acetone	131	50
				Naphthalene	86.7	12000
				Tetrachloroethene	1.93	1300
				Toluene	3.37	700
007-0317	LLCD35	0	12	2-Butanone	32.7	NA
				Acetone	315	50
				Tetrachloroethene	3.84	1300
				Toluene	13.2	700
				Trichloroethene	9.18	470
007-3018	LLCD35	12	24	2-Butanone	21.9	NA
				Acetone	221	50
				Tetrachloroethene	1.6	1300
				Toluene	4.53	700
				Tricholorethene	1.91	470
007-3012	LLCD39	0	12	2-Butanone	11.3	NA
				Acetone	83.2	50
				Toluene	1.28	700
007-3013	LLCD39	12	24	2-Butanone	33.3	NA
				Acetone	210	50
007-30019	LLCD40	0	12	2-Butanone	4.49	NA
				Acetone	65.7	50
007-3020	LLCD40	12	24	2-Butanone	5.47	NA
				Acetone	64.7	50
				Isophorone	50.2	NA
				Phenol	47.6	330
007-3004	LLCD44	0	12	2-Butanone	18.1	NA
				Acetone	200	50
007-3005	LLCD44	12	24	2-Butanone	7.41	NA
				Acetone	85.5	50
007-3126	LLCD49	36	48	2-Butanone	153	NA
				Acetone	955	50
007-3127	LLCD49	84	96	2-Butanone	111	NA
				Acetone	942	50
				Carbon Disulfide	33.8	NA
SP-1A	SP-01	0	6	Acetone	8.2	50
				Carbon disulfide	7.2	NA
				Toluene	7.2	700
SP-1B	SP-01	6	12	Carbon disulfide	9.3	NA
				Toluene	9.3	700

Table 4.4e
VOC Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-1C	SP-01	18	24	Acetone	12	50
				Chloroform	2.3	370
				Methylene chloride	10	50
				Toluene	10	700
SP-2A	SP-02	0	6	Carbon disulfide	15	NA
SP-2B	SP-02	6	12	2-Butanone	39	NA
				Acetone	78	50
				Carbon disulfide	14	NA
				Toluene	14	700
SP-2C	SP-02	18	24	2-Butanone	120	NA
				Acetone	290	50
				Carbon disulfide	35	NA
				Toluene	35	700
SP-3A	SP-03	0	6	Carbon disulfide	17	NA
SP-3B	SP-03	6	12	2-Butanone	13	NA
				Acetone	48	50
				Carbon disulfide	11	NA
				Decahydro-4,4,8,9,10-	*160*	NA
				Decahydro-4,4,8,9,10-	*110*	NA
				Toluene	11	700
				Total Alkanes	260	NA
				Unknown Aromatic	89	NA
SP-3C	SP-03	18	24	2-Butanone	40	NA
				Acetone	110	50
				Carbon disulfide	18	NA
				Toluene	18	700
SP-4A	SP-04	0	6	1,2,4-Trichlorobenzene	13	NA
				Methylene chloride	13	50
SP-4B	SP-04	6	12	2-Butanone	16	NA
				Acetone	150	50
				Toluene	12	700
SP-4C	SP-04	18	24	2-Butanone	13	NA
				Acetone	25	50
				C14 Hydrocarbon	44	NA
				Carbon disulfide	11	NA
				m,p-Xylene	11	260
				Naphthalene, decahydro-,	24	NA
				Naphthalene, decahydro-2-	23	NA
				Oxalic acid, butyl 6-	17	NA
				o-Xylene	0.31	260
				Toluene	11	700
				Total Alkanes	350	NA
				trans-Decalin, 2-methyl-	16	NA
				Unknown Aromatic	19	NA

Table 4.4e
VOC Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-5A	SP-05	0	6	1,2,4-Trichlorobenzene	23	NA
				2-Butanone	28	NA
				Acetone	52	50
				Carbon disulfide	23	NA
				Toluene	23	700
SP-5B	SP-05	6	12	2-Butanone	32	NA
				Acetone	72	50
				Carbon disulfide	20	NA
				Toluene	20	700
SP-5C	SP-05	18	24	2-Butanone	55	NA
				Acetone	160	50
				Carbon disulfide	20	NA
				Toluene	20	700

Notes:
Highlighted cells indicate results greater than the Unrestricted Use NYS Soil Criteria
Results in italics indicate samples analyzed for the same chemical multiple times
VOC - volatile organic compound
NYS - New York State
in - inches
µg/kg - micrograms per kilogram
NA - Not Available

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Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3056	LLCD01	0	12	Acenaphthylene	66.7	100000
				Anthracene	137	100000
				Benzo(a)anthracene	402	1000
				Benzo(a)pyrene	394	1000
				Benzo(b)fluoranthene	378	1000
				Benzo(g,h,i)perylene	298	100000
				Benzo(k)fluoranthene	338	800
				Carbazole	57.5	NA
				Chrysene	420	1000
				Dibenzo(a,h)anthracene	103	330
				Fluoranthene	796	100000
				Indeno(1,2,3-cd)pyrene	271	500
				Phenanthrene	445	100000
				Pyrene	703	100000
007-0057	LLCD01	12	24	2-Methylnaphthalene	167	NA
				Acenaphthene	317	20000
				Acenaphthylene	421	100000
				Anthracene	1240	100000
				Benzo(a)anthracene	2900	1000
				Benzo(a)pyrene	2800	1000
				Benzo(b)fluoranthene	2600	1000
				Benzo(g,h,i)perylene	1960	100000
				Benzo(k)fluoranthene	2310	800
				Bis-(2-ethylhexyl)phthalate	69.5	NA
				Carbazole	416	NA
				Chrysene	2830	1000
				Dibenzo(a,h)anthracene	737	330
				Dibenzofuran	231	NA
				Fluoranthene	5170	100000
				Fluorene	427	30000
				Indeno(1,2,3-cd)pyrene	1810	500
				Phenanthrene	3300	100000
				Pyrene	4580	100000
007-3059	LLCD02	0	12	2-Methylnaphthalene	781	NA
				Acenaphthene	2250	20000
				Acenaphthylene	7840	100000
				Anthracene	14900	100000
				Benzo(a)anthracene	36200	1000
				Benzo(a)pyrene	27400	1000
				Benzo(b)fluoranthene	29100	1000
				Benzo(g,h,i)perylene	16000	100000
				Benzo(k)fluoranthene	20900	800
				Carbazole	3230	NA
				Chrysene	36700	1000
				Dibenzo(a,h)anthracene	6400	330
				Dibenzofuran	1360	NA
				Fluoranthene	61400	100000
				Fluorene	3760	30000
				Indeno(1,2,3-cd)pyrene	14300	500

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3059 (cont.)	LLCD02	0	12	Phenanthrene	20800	100000
				Pyrene	62200	100000
007-0060	LLCD02	12	24	2-Methylnaphthalene	2510	NA
				Acenaphthene	1980	20000
				Acenaphthylene	2550	100000
				Anthracene	3660	100000
				Benzo(a)anthracene	8220	1000
				Benzo(a)pyrene	6350	1000
				Benzo(b)fluoranthene	7940	1000
				Benzo(g,h,i)perylene	3920	100000
				Benzo(k)fluoranthene	7190	800
				Carbazole	2940	NA
				Chrysene	13300	1000
				Dibenzo(a,h)anthracene	1470	330
				Dibenzofuran	2240	NA
				Fluoranthene	35400	100000
				Fluorene	2900	30000
				Indeno(1,2,3-cd)pyrene	3640	500
				Phenanthrene	28200	100000
				Pyrene	27000	100000
007-3075	LLCD13	0	12	2-Methylnaphthalene	398	NA
				Acenaphthene	466	20000
				Acenaphthylene	301	100000
				Anthracene	1280	100000
				Benzo(a)anthracene	3470	1000
				Benzo(a)pyrene	3260	1000
				Benzo(b)fluoranthene	3100	1000
				Benzo(g,h,i)perylene	2110	100000
				Benzo(k)fluoranthene	2540	800
				Carbazole	605	NA
				Chrysene	3420	1000
				Dibenzo(a,h)anthracene	778	330
				Dibenzofuran	381	NA
				Fluoranthene	6870	100000
				Fluorene	573	30000
				Indeno(1,2,3-cd)pyrene	1980	500
				Phenanthrene	4810	100000
				Pyrene	6090	100000
007-0076	LLCD13	12	24	2-Methylnaphthalene	241	NA
				Acenaphthene	347	20000
				Acenaphthylene	433	100000
				Anthracene	1220	100000
				Benzo(a)anthracene	3620	1000
				Benzo(a)pyrene	3610	1000
				Benzo(b)fluoranthene	3470	1000
				Benzo(g,h,i)perylene	2480	100000
				Benzo(k)fluoranthene	2840	800
				Carbazole	448	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-0076 (cont.)	LLCD13	12	24	Chrysene	3560	1000
				Dibenzo(a,h)anthracene	977	330
				Dibenzofuran	284	NA
				Fluoranthene	6950	100000
				Fluorene	467	30000
				Indeno(1,2,3-cd)pyrene	2320	500
				Phenanthrene	3840	100000
				Pyrene	6220	100000
007-3077	LLCD14	0	12	Acenaphthylene	630	100000
				Anthracene	1110	100000
				Benzo(a)anthracene	3460	1000
				Benzo(a)pyrene	3900	1000
				Benzo(b)fluoranthene	3920	1000
				Benzo(g,h,i)perylene	2770	100000
				Benzo(k)fluoranthene	2930	800
				Carbazole	467	NA
				Chrysene	3720	1000
				Dibenzo(a,h)anthracene	1060	330
				Fluoranthene	6700	100000
				Fluorene	379	30000
				Indeno(1,2,3-cd)pyrene	2520	500
				Phenanthrene	3300	100000
				Pyrene	6120	100000
007-0078	LLCD14	12	24	2-Methylnaphthalene	324	NA
				Acenaphthene	508	20000
				Acenaphthylene	1190	100000
				Anthracene	2330	100000
				Benzo(a)anthracene	4980	1000
				Benzo(a)pyrene	5300	1000
				Benzo(b)fluoranthene	4610	1000
				Benzo(g,h,i)perylene	3850	100000
				Benzo(k)fluoranthene	4790	800
				Carbazole	852	NA
				Chrysene	5200	1000
				Dibenzo(a,h)anthracene	1410	330
				Dibenzofuran	576	NA
				Fluoranthene	9800	100000
				Fluorene	863	30000
				Indeno(1,2,3-cd)pyrene	3530	500
				Phenanthrene	7450	100000
				Pyrene	8650	100000
007-3081	LLCD17	0	12	2-Methylnaphthalene	79.7	NA
				Acenaphthene	75.1	20000
				Acenaphthylene	92.7	100000
				Anthracene	224	100000
				Benzo(a)anthracene	882	1000
				Benzo(a)pyrene	951	1000
				Benzo(b)fluoranthene	826	1000

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3081 (cont.)	LLCD17	0	12	Benzo(g,h,i)perylene	749	100000
				Benzo(k)fluoranthene	772	800
				Bis-(2-ethylhexyl)phthalate	94.6	NA
				Carbazole	128	NA
				Chrysene	913	1000
				Dibenzo(a,h)anthracene	241	330
				Fluoranthene	1530	100000
				Fluorene	75.1	30000
				Indeno(1,2,3-cd)pyrene	655	500
				Phenanthrene	857	100000
				Pyrene	1070	100000
007-0082	LLCD17	12	24	1,4-Dichlorobenzene	138	NA
				2-Methylnaphthalene	249	NA
				4-Methylphenol	54.9	NA
				4-Nitroaniline	64.8	NA
				Acenaphthene	285	20000
				Acenaphthylene	162	100000
				Anthracene	768	100000
				Benzo(a)anthracene	2190	1000
				Benzo(a)pyrene	2110	1000
				Benzo(b)fluoranthene	1950	1000
				Benzo(g,h,i)perylene	1430	100000
				Benzo(k)fluoranthene	1730	800
				Bis-(2-ethylhexyl)phthalate	184	NA
				Carbazole	320	NA
				Chrysene	2270	1000
				Dibenzo(a,h)anthracene	525	330
				Dibenzofuran	202	NA
				Fluoranthene	4100	100000
				Fluorene	348	30000
				Indeno(1,2,3-cd)pyrene	1340	500
				Naphthalene	367	12000
				Phenanthrene	2740	100000
				Pyrene	3480	100000
007-3046	LLCD21	0	12	Benzo(a)anthracene	873	1000
				Benzo(a)pyrene	1020	1000
				Benzo(b)fluoranthene	1120	1000
				Benzo(g,h,i)perylene	811	100000
				Benzo(k)fluoranthene	886	800
				Chrysene	1180	1000
				Fluoranthene	2010	100000
				Indeno(1,2,3-cd)pyrene	873	500
				Phenanthrene	895	100000
				Pyrene	1790	100000
007-3047	LLCD21	12	24	Acenaphthylene	838	100000
				Anthracene	709	100000
				Benzo(a)anthracene	1560	1000
				Benzo(a)pyrene	1670	1000

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3047 (cont.)	LLCD21	12	24	Benzo(b)fluoranthene	1780	1000
				Benzo(g,h,i)perylene	1360	100000
				Benzo(k)fluoranthene	1520	800
				Chrysene	1840	1000
				Fluoranthene	3360	100000
				Indeno(1,2,3-cd)pyrene	1250	500
				Phenanthrene	1700	100000
				Pyrene	3140	100000
007-3040	LLCD25	0	12	2-Methylnaphthalene	100	NA
				Acenaphthene	123	20000
				Acenaphthylene	671	100000
				Anthracene	665	100000
				Benzo(a)anthracene	1360	1000
				Benzo(a)pyrene	1490	1000
				Benzo(b)fluoranthene	1590	1000
				Benzo(g,h,i)perylene	1190	100000
				Benzo(k)fluoranthene	1220	800
				Carbazole	266	NA
				Chrysene	1600	1000
				Dibenzo(a,h)anthracene	438	330
				Dibenzofuran	88.1	NA
				Fluoranthene	2800	100000
				Fluorene	195	30000
				Indeno(1,2,3-cd)pyrene	1060	500
				Phenanthrene	1480	100000
				Pyrene	2510	100000
007-3041	LLCD25	12	24	Acenaphthene	191	20000
				Acenaphthylene	407	100000
				Anthracene	552	100000
				Benzo(a)anthracene	1110	1000
				Benzo(a)pyrene	1150	1000
				Benzo(b)fluoranthene	1080	1000
				Benzo(g,h,i)perylene	853	100000
				Benzo(k)fluoranthene	1060	800
				Carbazole	266	NA
				Chrysene	1220	1000
				Dibenzo(a,h)anthracene	311	330
				Dibenzofuran	106	NA
				Di-n-butylphthalate	157	NA
				Fluoranthene	2440	100000
				Fluorene	243	30000
				Indeno(1,2,3-cd)pyrene	796	500
				Phenanthrene	1470	100000
				Pyrene	2100	100000
007-3138	LLCD25	48	60	Acenaphthylene	225	100000
				Anthracene	254	100000
				Benzo(a)anthracene	753	1000
				Benzo(a)pyrene	733	1000

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3138 (cont.)	LLCD25	48	60	Benzo(b)fluoranthene	803	1000
				Benzo(g,h,i)perylene	444	100000
				Benzo(k)fluoranthene	589	800
				Bis-(2-ethylhexyl)phthalate	637	NA
				Chrysene	764	1000
				Dibenzo(a,h)anthracene	181	330
				Fluoranthene	1060	100000
				Fluorene	80.1	30000
				Indeno(1,2,3-cd)pyrene	448	500
				Phenanthrene	237	100000
				Pyrene	1080	100000
007-3139	LLCD25	84	96	Acenaphthylene	121	100000
				Anthracene	132	100000
				Benzo(a)anthracene	290	1000
				Benzo(a)pyrene	292	1000
				Benzo(b)fluoranthene	341	1000
				Benzo(g,h,i)perylene	232	100000
				Benzo(k)fluoranthene	244	800
				Bis-(2-ethylhexyl)phthalate	876	NA
				Chrysene	310	1000
				Dibenzo(a,h)anthracene	80.5	330
				Fluoranthene	510	100000
				Indeno(1,2,3-cd)pyrene	217	500
				Phenanthrene	214	100000
				Pyrene	463	100000
007-3032	LLCD27	0	12	Acenaphthylene	1250	100000
				Anthracene	1090	100000
				Benzo(a)anthracene	2160	1000
				Benzo(a)pyrene	2960	1000
				Benzo(b)fluoranthene	3680	1000
				Benzo(g,h,i)perylene	3210	100000
				Benzo(k)fluoranthene	2460	800
				Carbazole	494	NA
				Chrysene	3170	1000
				Dibenzo(a,h)anthracene	897	330
				Fluoranthene	5440	100000
				Indeno(1,2,3-cd)pyrene	2860	500
				Phenanthrene	2430	100000
				Pyrene	5190	100000
007-3033	LLCD27	12	24	Benzo(a)pyrene	714	1000
				Fluoranthene	240	100000
007-3130	LLCD27	48	60	Bis-(2-ethylhexyl)phthalate	238	NA
007-3042	LLCD28	0	12	Acenaphthylene	884	100000
				Anthracene	782	100000
				Benzo(a)anthracene	2020	1000
				Benzo(a)pyrene	2270	1000

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3042 (cont.)	LLCD28	0	12	Benzo(b)fluoranthene	2010	1000
				Benzo(g,h,i)perylene	1790	100000
				Benzo(k)fluoranthene	1960	800
				Bis-(2-ethylhexyl)phthalate	707	NA
				Chrysene	2220	1000
				Dibenzo(a,h)anthracene	629	330
				Fluoranthene	3320	100000
				Indeno(1,2,3-cd)pyrene	1550	500
				Phenanthrene	1640	100000
				Pyrene	3220	100000
007-3043	LLCD28	12	24	Acenaphthylene	586	100000
				Anthracene	476	100000
				Benzo(a)anthracene	823	1000
				Benzo(a)pyrene	947	1000
				Benzo(b)fluoranthene	950	1000
				Benzo(g,h,i)perylene	760	100000
				Benzo(k)fluoranthene	767	800
				Bis-(2-ethylhexyl)phthalate	133	NA
				Carbazole	139	NA
				Chrysene	973	1000
				Dibenzo(a,h)anthracene	245	330
				Fluoranthene	1600	100000
				Indeno(1,2,3-cd)pyrene	676	500
				Phenanthrene	724	100000
				Pyrene	1520	100000
007-3021	LLCD34	0	12	2-Methylnaphthalene	76.5	NA
				Acenaphthylene	170	100000
				Anthracene	217	100000
				Benzo(a)anthracene	496	1000
				Benzo(a)pyrene	584	1000
				Benzo(b)fluoranthene	546	1000
				Benzo(g,h,i)perylene	424	100000
				Benzo(k)fluoranthene	493	800
				Bis-(2-ethylhexyl)phthalate	483	NA
				Carbazole	61.7	NA
				Chrysene	592	1000
				Dibenzo(a,h)anthracene	152	330
				Fluoranthene	925	100000
				Fluorene	51.9	30000
				Indeno(1,2,3-cd)pyrene	385	500
				Phenanthrene	578	100000
				Pyrene	884	100000
007-3022	LLCD34	12	24	2-Methylnaphthalene	92	NA
				Acenaphthylene	174	100000
				Anthracene	189	100000
				Benzo(a)anthracene	468	1000
				Benzo(a)pyrene	498	1000
				Benzo(b)fluoranthene	521	1000

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3022 (cont.)	LLCD34	12	24	Benzo(g,h,i)perylene	386	100000
				Benzo(k)fluoranthene	387	800
				Bis-(2-ethylhexyl)phthalate	503	NA
				Carbazole	63.6	NA
				Chrysene	524	1000
				Dibenzo(a,h)anthracene	145	330
				Fluoranthene	956	100000
				Fluorene	70.5	30000
				Indeno(1,2,3-cd)pyrene	352	500
				Phenanthrene	602	100000
				Pyrene	867	100000
007-0317	LLCD35	0	12	Acenaphthylene	1970	100000
				Anthracene	1780	100000
				Benzo(a)anthracene	2910	1000
				Benzo(a)pyrene	3070	1000
				Benzo(b)fluoranthene	3180	1000
				Benzo(g,h,i)perylene	2250	100000
				Benzo(k)fluoranthene	2660	800
				Bis-(2-ethylhexyl)phthalate	323	NA
				Carbazole	372	NA
				Chrysene	3390	1000
				Dibenzo(a,h)anthracene	2110	330
				Fluoranthene	5820	100000
				Indeno(1,2,3-cd)pyrene	846	500
				Phenanthrene	2440	100000
				Pyrene	5420	100000
007-3018	LLCD35	12	24	Acenaphthylene	946	100000
				Anthracene	822	100000
				Benzo(a)anthracene	1410	1000
				Benzo(a)pyrene	1560	1000
				Benzo(b)fluoranthene	1570	1000
				Benzo(g,h,i)perylene	1160	100000
				Benzo(k)fluoranthene	1410	800
				Chrysene	1640	1000
				Dibenzo(a,h)anthracene	425	330
				Fluoranthene	2640	100000
				Indeno(1,2,3-cd)pyrene	1150	500
				Phenanthrene	1180	100000
				Pyrene	2480	100000
007-3012	LLCD39	0	12	Acenaphthylene	276	100000
				Anthracene	322	100000
				Benzo(a)anthracene	704	1000
				Benzo(a)pyrene	718	1000
				Benzo(b)fluoranthene	684	1000
				Benzo(g,h,i)perylene	500	100000
				Benzo(k)fluoranthene	578	800
				Chrysene	835	1000
				Fluoranthene	1570	100000

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3012 (cont.)	LLCD39	0	12	Indeno(1,2,3-cd)pyrene	461	500
				Phenanthrene	957	100000
				Pyrene	1410	100000
007-3013	LLCD39	12	24	1,4-Dichlorobenzene	1.5	NA
				Acenaphthene	93.9	20000
				Acenaphthylene	238	100000
				Anthracene	477	100000
				Benzo(a)anthracene	968	1000
				Benzo(a)pyrene	895	1000
				Benzo(b)fluoranthene	758	1000
				Benzo(g,h,i)perylene	541	100000
				Benzo(k)fluoranthene	830	800
				Bis-(2ethylhexyl)phthalate	57.1	NA
				Carbazole	167	NA
				Chrysene	993	1000
				Dibenzo(a,h)anthracene	208	330
				Dibenzofuran	61.3	NA
				Fluoranthene	2050	100000
				Fluorene	179	30000
				Indeno(1,2,3-cd)pyrene	537	500
				Phenanthrene	1430	100000
				Pyrene	1720	100000
007-30019	LLCD40	0	12	Benzo(a)pyrene	59.3	1000
				Benzo(b)fluoranthene	63.6	1000
				Bis-(2-ethylhexyl)phthalate	54.7	NA
				Chrysene	65.9	1000
				Fluoranthene	102	100000
				Pyrene	96.9	100000
007-3020	LLCD40	12	24	Benzo(a)anthracene	81.6	1000
				Benzo(a)pyrene	101	1000
				Benzo(b)fluoranthene	105	1000
				Benzo(g,h,i)perylene	96.3	100000
				Benzo(k)fluoranthene	89.5	800
				Chrysene	94.8	1000
				Fluoranthene	156	100000
				Indeno(1,2,3-cd)pyrene	80.9	500
				Phenanthrene	119	100000
				Pyrene	130	100000
007-3004	LLCD44	0	12	Benzo(a)anthracene	151	1000
				Benzo(a)pyrene	196	1000
				Benzo(b)fluoranthene	205	1000
				Benzo(g,h,i)perylene	145	100000
				Benzo(k)fluoranthene	176	800
				Bis-(2-ethylhexyl)	113	NA
				Chrysene	202	1000
				Fluoranthene	297	100000
				Indeno(1,2,3-cd)pyrene	139	500

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
007-3004 (cont.)	LLCD44	0	12	Phenanthrene	122	100000
				Pyrene	261	100000
007-3126	LLCD49	36	48	Benzo(a)pyrene	287	1000
				Bis-(2-ethylhexyl)phthalate	1330	NA
				Chrysene	149	1000
				Fluoranthene	272	100000
				Phenanthrene	148	100000
				Pyrene	215	100000
007-3127	LLCD49	84	96	Bis-(2-ethylhexyl)phthalate	349	NA
SP-1A	SP-01	0	6	1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	520	NA
				11H-Benzo[b]fluorene	530	NA
				11-Heptadecenal	510	NA
				1H-Pyrazole, 3-(4-chlorophenyl)-1-phenyl-	600	NA
				2,3-Dihydro-7-methyl-5-phenyl-1H-1,4-	1300	NA
				2-Methylnaphthalene	110	NA
				7H-Benz[de]anthracen-7-	530	NA
				9,10-Anthracenedione	1100	NA
				9,10-Anthracenedione, 1,8-	700	NA
				Acenaphthene	150	20000
				Acenaphthylene	120	100000
				Acetophenone	1200	NA
				Anthracene	370	100000
				Anthracene, 2-methyl-	490	NA
				Anthracene, 9-methyl-	560	NA
				Benzaldehyde	720	NA
				Benzenamine, 4-[2-(2-benzothiazolyl)ethenyl]-	560	NA
				Benzo(a)anthracene	2800	1000
				Benzo(a)pyrene	3200	1000
				Benzo(b)fluoranthene	4500	1000
				Benzo(k)fluoranthene	2000	800
				Benzo[c]phenanthrene	730	NA
				Bis(2-ethylhexyl)phthalate	1200	NA
				Butylbenzylphthalate	140	NA
				Carbazole	340	NA
				Chrysene	3400	1000
				Dibenzo[def,mno]chrysene	1500	NA
				Dibenzofuran	110	NA
				Di-n-butylphthalate	1200	NA
				Fluoranthene	5600	100000
				Fluorene	180	30000
				Indeno[1,2,3-	2000	NA
				Naphthalene	190	12000
				Octadecanal	500	NA
				Perylene	2700	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-1A (cont.)	SP-01	0	6	Phenanthrene	2400	100000
				Phenanthrene, 2,5-dimethyl-	600	NA
				Phenol	70	330
				PNA, MW = 264	550	NA
				PNA, MW = 278	750	NA
				Pyrene	5600	100000
				Total Alkanes	5800	NA
SP-1B	SP-01	6	12	1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	890	NA
				1,1'-Biphenyl, 2,3,3',4'-tetrachloro-	500	NA
				11H-Benzo[b]fluorene	490	NA
				2-Methylnaphthalene	69	NA
				4H-Cyclopenta[def]phenanthre	640	NA
				Acenaphthene	91	20000
				Acenaphthylene	110	100000
				Acetophenone	1300	NA
				Anthracene	220	100000
				Benzaldehyde	450	NA
				Benzo(a)anthracene	1400	1000
				Benzo(a)pyrene	1700	1000
				Benzo(b)fluoranthene	2500	1000
				Benzo(g,h,i)perylene	1900	100000
				Benzo(k)fluoranthene	1100	800
				Benzo[c]phenanthrene	510	NA
				Bis(2-ethylhexyl)phthalate	1300	NA
				Carbazole	200	NA
				Chrysene	1800	1000
				Chrysene, 3-methyl-	520	NA
				Dibenzo(a,h)anthracene	1300	330
				Dibenzofuran	66	NA
				Fluoranthene	3000	100000
				Fluorene	110	30000
				Indeno(1,2,3-cd)pyrene	1900	500
				Indeno[1,2,3-cd]fluoranthene	590	NA
				Naphthalene	140	12000
				Perylene	1500	NA
				Phenanthrene	1600	100000
				Pyrene	2800	100000
				Total Alkanes	6700	NA
SP-1C	SP-01	18	24	1,1'-Biphenyl, 2,3,4',6-tetrachloro-	140	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	160	NA
				1,4-Dimethyl-6-phenyl-naphthalene	340	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-1C (cont.)	SP-01	18	24	11H-Benzo[b]fluorene	420	NA
				15-Isobutyl-(13alphah)-isocopalane	160	NA
				1-Nonadecene	290	NA
				2-Methylnaphthalene	29	NA
				3,4-Dihydrocyclopenta(cd)pyre	290	NA
				3-Eicosene, (E)-	440	NA
				7H-Benz[de]anthracen-7-one	320	NA
				9-Octadecenamide, (Z)-	450	NA
				Acenaphthene	29	20000
				Acenaphthylene	45	100000
				Acetophenone	290	NA
				Anthracene	86	100000
				Benz[a]anthracene, 8-	260	NA
				Benzaldehyde	210	NA
				Benzo(a)anthracene	530	1000
				Benzo(a)pyrene	500	1000
				Benzo(b)fluoranthene	810	1000
				Benzo(g,h,i)perylene	530	100000
				Benzo(k)fluoranthene	220	800
				Benzo[b]naphtho[2,1-	280	NA
				Benzo[ghi]fluoranthene	340	NA
				Benzoic acid, 4,4'-oxybis-	130	NA
				Bis(2-ethylhexyl)phthalate	290	NA
				Carbazole	73	NA
				Chrysene	620	1000
				Chrysene, 1-methyl-	*480*	NA
				Chrysene, 1-methyl-	*360*	NA
				Dasycarpidan-1-one	130	NA
				Dibenzo(a,h)anthracene	290	330
				Dibenzo[def,mno]chrysene	310	NA
				Dibenzofuran	24	NA
				Di-n-butylphthalate	290	NA
				Fluoranthene	940	100000
				Fluorene	41	30000
				Indeno(1,2,3-cd)pyrene	530	500
				Naphthalene	45	12000
				Naphtho[2,1,8,7-klmn]xanthene	370	NA
				o-Terphenyl	490	NA
				Perylene	490	NA
				Perylene	170	NA
				Phenanthrene	510	100000
				Phenol	16	330
				PNA, MW = 276	190	NA
				Polycyclic hydrocarbon	*280*	NA
				Polycyclic hydrocarbon	*260*	NA
				Pyrene	990	100000

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-1C (cont.)	SP-01	18	24	Pyrene, 4-methyl-	180	NA
				Total Alkanes	3900	NA
				Unknown aromatic	*230*	NA
				Unknown aromatic	*160*	NA
				Unknown aromatic	*150*	NA
				Unknown aromatic	*150*	NA
SP-2A	SP-02	0	6	11H-Benzo[a]fluorene	160	NA
				2-Methylnaphthalene	16	NA
				4H-Cyclopenta[def]phenanthre	180	NA
				Acenaphthene	41	20000
				Acenaphthylene	26	100000
				Acetophenone	320	NA
				Anthracene	91	100000
				Benzaldehyde	70	NA
				Benzo(a)anthracene	670	1000
				Benzo(a)pyrene	650	1000
				Benzo(b)fluoranthene	1000	1000
				Benzo(g,h,i)perylene	780	100000
				Benzo(k)fluoranthene	400	800
				Benzo[j]fluoranthene	*680*	NA
				Benzo[j]fluoranthene	*260*	NA
				Bis(2-ethylhexyl)phthalate	320	NA
				Butylbenzylphthalate	31	NA
				Carbazole	79	NA
				Chrysene	630	1000
				Cyclopenta(def)phenanthre none	160	NA
				Dibenzo(a,h)anthracene	320	330
				Dibenzofuran	22	NA
				Fluoranthene	1200	100000
				Fluorene	38	30000
				Indeno(1,2,3-cd)pyrene	790	500
				Indeno[1,2,3-cd]fluoranthene	290	NA
				Naphthalene	35	12000
				Phenanthrene	590	100000
				Phenol	24	330
				Polycyclic hydrocarbon	*260*	NA
				Polycyclic hydrocarbon	*180*	NA
				Polycyclic hydrocarbon	*170*	NA
				Pyrene	1300	100000
				Pyrene, 2-methyl-	250	NA
				Unknown oxyhydrocarbon	140	NA
				Unsaturated Hydrocarbon	280	NA
SP-2B	SP-02	6	12	1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	170	NA
				1,1'-Biphenyl, 2',3,4-trichloro-	240	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-2B (cont.)	SP-02	6	12	1-Propanaminium, 3-carboxy-2-hydroxy-N,N,N-trime	240	NA
				2-Methylnaphthalene	10	NA
				9-Octadecenamide, (Z)-	180	NA
				Acenaphthene	18	20000
				Acenaphthylene	23	100000
				Acetophenone	330	NA
				Anthracene	45	100000
				Benzaldehyde	59	NA
				Benzo(a)anthracene	290	1000
				Benzo(a)pyrene	320	1000
				Benzo(b)fluoranthene	540	1000
				Benzo(g,h,i)perylene	350	100000
				Benzo(k)fluoranthene	170	800
				Benzo[e]pyrene	260	NA
				Bis(2-ethylhexyl)phthalate	330	NA
				Carbazole	44	NA
				Chrysene	400	1000
				Dibenzo(a,h)anthracene	330	330
				Dibenzofuran	12	NA
				Di-n-butylphthalate	330	NA
				Fluoranthene	660	100000
				Fluorene	25	30000
				Indeno(1,2,3-cd)pyrene	350	500
				Naphthalene	24	12000
				Perylene	320	NA
				Phenanthrene	330	100000
				Phenol	25	330
				Pyrene	620	100000
				Pyrene, 2-methyl-	130	NA
				Quinoline, 6-methyl-, 1-oxide	180	NA
				Total Alkanes	140	NA
				Unsaturated Hydrocarbon	280	NA
SP-2C	SP-02	18	24	2-Undecanone, 6,10-dimethyl-	510	NA
				Acetophenone	690	NA
				Benzaldehyde	140	NA
				Benzo(a)anthracene	62	1000
				Benzo(a)pyrene	77	1000
				Benzo(b)fluoranthene	100	1000
				Benzo(g,h,i)perylene	62	100000
				Benzo(k)fluoranthene	30	800
				Bis(2-ethylhexyl)phthalate	690	NA
				Chloroxylenol	740	NA
				Chrysene	80	1000
				Dibenzo(a,h)anthracene	690	330
				Di-n-butylphthalate	690	NA
				Fluoranthene	150	100000

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-2C (cont.)	SP-02	18	24	Indeno(1,2,3-cd)pyrene	68	500
				Phenanthrene	69	100000
				Phenol	87	330
				Pyrene	140	100000
				Total Alkanes	380	NA
				Unsaturated Hydrocarbon	710	NA
SP-3A	SP-03	0	6	11H-Benzo[a]fluorene	160	NA
				Acenaphthene	21	20000
				Acenaphthylene	15	100000
				Acetophenone	390	NA
				Anthracene	44	100000
				Benzaldehyde	110	NA
				Benzo(a)anthracene	380	1000
				Benzo(a)pyrene	430	1000
				Benzo(b)fluoranthene	700	1000
				Benzo(g,h,i)perylene	500	100000
				Benzo(k)fluoranthene	190	800
				Benzo[e]pyrene	430	NA
				Bis(2-ethylhexyl)phthalate	390	NA
				Butylbenzylphthalate	59	NA
				Carbazole	59	NA
				Chloroxylenol	170	NA
				Chrysene	460	1000
				Dibenzo(a,h)anthracene	390	330
				Dibenzofuran	12	NA
				Di-n-butylphthalate	390	NA
				Fluoranthene	730	100000
				Fluorene	22	30000
				Indeno(1,2,3-cd)pyrene	510	500
				Naphthalene	23	12000
				Phenanthrene	330	100000
				Phenol	29	330
				Polycyclic hydrocarbon	160	NA
				Pyrene	760	100000
				Quinoline, 6-methyl-, 1-oxide	170	NA
				Total Alkanes	170	NA
				Unknown aromatic	*190*	NA
				Unknown aromatic	*160*	NA
				Unsaturated Hydrocarbon	450	NA
SP-3B	SP-03	6	12	1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	180	NA
				1,1'-Biphenyl, 2,3,4',6-tetrachloro-	270	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	170	NA
				1,1'-Biphenyl, 5-hydroxy-3,4'-dimethoxy-	190	NA
				11H-Benzo[b]fluorene	220	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-3B (cont.)	SP-03	6	12	2-Methylnaphthalene	17	NA
				4-(4-Fluorophenyl)-2,3-dihydro-2-methyl-1H-1,5-b	140	NA
				9-Phenanthrenemethyl glycolate	130	NA
				Acenaphthene	16	20000
				Acenaphthylene	29	100000
				Acetophenone	82	NA
				Anthracene	52	100000
				Benzaldehyde	95	NA
				Benzo(a)anthracene	330	1000
				Benzo(a)pyrene	370	1000
				Benzo(b)fluoranthene	570	1000
				Benzo(g,h,i)perylene	380	100000
				Benzo(k)fluoranthene	150	800
				Benzo[e]pyrene	190	NA
				Benzo[ghi]fluoranthene	150	NA
				Benzo[j]fluoranthene	240	NA
				Bis(2-ethylhexyl)phthalate	340	NA
				Butylbenzylphthalate	23	NA
				Carbazole	46	NA
				Chrysene	440	1000
				Dibenzo(a,h)anthracene	340	330
				Dibenzofuran	12	NA
				Di-n-butylphthalate	340	NA
				Fluoranthene	690	100000
				Fluorene	25	30000
				Indeno(1,2,3-cd)pyrene	400	500
				Naphthalene	31	12000
				Phenanthrene	360	100000
				Phenol	38	330
				Polycyclic hydrocarbon	190	NA
				Pyrene	710	100000
				Quinoline, 6-methyl-, 1-	140	NA
				Total Alkanes	1400	NA
				Unknown aromatic	200	NA
				Unsaturated Hydrocarbon	360	NA
SP-3C	SP-03	18	24	1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	190	NA
				1,1'-Biphenyl, 2',3,4-trichloro-	280	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*190*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*170*	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	260	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	160	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-3C (cont.)	SP-03	18	24	1,1'-Biphenyl, trichloro-	180	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	*350*	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	*160*	NA
				2-Methylnaphthalene	14	NA
				Acenaphthene	16	20000
				Acenaphthylene	32	100000
				Acetophenone	400	NA
				Anthracene	38	100000
				Benzaldehyde	82	NA
				Benzo(a)anthracene	230	1000
				Benzo(a)pyrene	270	1000
				Benzo(b)fluoranthene	390	1000
				Benzo(g,h,i)perylene	290	100000
				Benzo(k)fluoranthene	150	800
				Bis(2-ethylhexyl)phthalate	440	NA
				Butylbenzylphthalate	22	NA
				Carbazole	27	NA
				Chrysene	310	1000
				Decahydro-9-ethyl-4,4,8,10-	210	NA
				Dibenzo(a,h)anthracene	440	330
				Dibenzofuran	12	NA
				Di-n-butylphthalate	440	NA
				Fluoranthene	500	100000
				Fluorene	25	30000
				Indeno(1,2,3-cd)pyrene	290	500
				Naphthalene	27	12000
				Phenanthrene	250	100000
				Phenol	49	330
				Polycyclic hydrocarbon	280	NA
				Pyrene	500	100000
				Pyrene, 1-methyl-	300	NA
				Total Alkanes	400	NA
				Unsaturated Hydrocarbon	510	NA
SP-4A	SP-04	0	6	1,3-Benzenediol, 4-(6-methoxy-2-benzofuranyl)-	230	NA
				11H-Benzo[a]fluorene	160	NA
				15-Isobutyl-(13alphah)-isocopalane	210	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	200	NA
				1H-Pyrazole, 3-(4-chlorophenyl)-1-phenyl-	180	NA
				2-Methylnaphthalene	24	NA
				4-Methyl-E-4-hexadecen-1-ol	430	NA
				9,10-Anthracenedione	210	NA
				9,10-Dimethylanthracene	160	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-4A (cont.)	SP-04	0	6	Acenaphthene	37	20000
				Acenaphthylene	27	100000
				Acetophenone	320	NA
				Anthracene	77	100000
				Anthracene, 2-methyl-	400	NA
				Benzaldehyde	200	NA
				Benzo(a)anthracene	680	1000
				Benzo(a)pyrene	770	1000
				Benzo(b)fluoranthene	1200	1000
				Benzo(g,h,i)perylene	720	100000
				Benzo(k)fluoranthene	420	800
				Benzo[b]naphtho[2,1-	160	NA
				Benzo[b]triphenylene	140	NA
				Benzo[j]fluoranthene	*860*	NA
				Benzo[j]fluoranthene	*300*	NA
				Bis(2-ethylhexyl)phthalate	320	NA
				Butylbenzylphthalate	34	NA
				Carbazole	84	NA
				Chloroxylenol	160	NA
				Chrysene	750	1000
				Chrysene, 1-methyl-	140	NA
				Cyclopenta(def)phenanthrenone	220	NA
				Cyclopenta[cd]pyrene	200	NA
				D-Homoestra-1,3,5(10),14-tetraen-17-one, 3-metho	300	NA
				Dibenzo(a,h)anthracene	140	330
				Dibenzofuran	24	NA
				Diethylphthalate	11	NA
				Di-n-butylphthalate	320	NA
				Fluoranthene	1500	100000
				Fluorene	39	30000
				Indeno(1,2,3-cd)pyrene	740	500
				Indeno[1,2,3-cd]fluoranthene	170	NA
				Naphthalene	44	12000
				Perylene, 3-methyl-	160	NA
				Phenanthrene	560	100000
				Phenol	55	330
				PNA, MW = 266	170	NA
				Polycyclic hydrocarbon	150	NA
				p-Terphenyl	170	NA
				Pyrene	1300	100000
				Pyrene, 1-methyl-	130	NA
				Total Alkanes	1000	NA
				Unknown aromatic	*170*	NA
				Unknown aromatic	*130*	NA
				Unsaturated Hydrocarbon	270	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-4B	SP-04	6	12	.gamma.-Sitosterol	130	NA
				1,1'-Biphenyl, trichloro-	140	NA
				1,5-Hexadiene, 1,1,2,4,4,5-hexachloro-	150	NA
				11H-Benzo[b]fluorene	270	NA
				2-[p-Cyanophenyl]-5-chlorobenzimidazole	130	NA
				28-Nor-17.alpha.(H)-hopane	220	NA
				2-Methylnaphthalene	28	NA
				2-Propen-1-one, 1-(2-hydroxyphenyl)-3-(4-	180	NA
				4-Methylphenol	27	NA
				7H-Benz[de]anthracen-7-one	200	NA
				Acenaphthene	53	20000
				Acenaphthylene	36	100000
				Acetophenone	320	NA
				Anthracene	99	100000
				Anthracene, 1-methyl-	140	NA
				Anthracene, 2-methyl-	190	NA
				Anthracene, 9-dodecyltetradecahydro-	140	NA
				Benzaldehyde	74	NA
				Benzo(a)anthracene	680	1000
				Benzo(a)pyrene	770	1000
				Benzo(b)fluoranthene	1100	1000
				Benzo(g,h,i)perylene	610	100000
				Benzo(k)fluoranthene	420	800
				Benzo[1,2-b:4,3-b']dithiophene, 1-phenyl-	150	NA
				Benzo[e]pyrene	300	NA
				Bis(2-ethylhexyl)phthalate	320	NA
				Butylbenzylphthalate	42	NA
				Carbazole	100	NA
				Chlorinated aromatic	130	NA
				Chloroxylenol	210	NA
				Chrysene	860	1000
				Cyclopenta[cd]pyrene	180	NA
				Dibenzo(a,h)anthracene	130	330
				Dibenzofuran	32	NA
				Di-n-butylphthalate	320	NA
				Fluoranthene	1500	100000
				Fluorene	56	30000
				Hexadecanoic acid, 4-nitrophenyl ester	320	NA
				Indeno(1,2,3-cd)pyrene	640	500
				Naphthalene	45	12000
				Naphthalene, 1,8-di-1-propynyl-	180	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-4B (cont.)	SP-04	6	12	Naphtho[2,1,8,7-klmn]xanthene	160	NA
				Perylene	430	NA
				Phenanthrene	670	100000
				Phenanthrene, 2,5-dimethyl-	180	NA
				Phenol	36	330
				Polycyclic hydrocarbon	170	NA
				Pyrazine, 2-methoxy-3-methyl-	150	NA
				Pyrene	1500	100000
				Total Alkanes	580	NA
				Unsaturated Hydrocarbon	250	NA
SP-4C	SP-04	18	24	1,19-Eicosadiene	240	NA
				1,1'-Biphenyl, 2,3,3',4,6-Pentachloro-	220	NA
				1,1'-Biphenyl, 2,3,3'-trichloro-	130	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	160	NA
				1,4,7,10,13,16-Hexaoxacyclooctadecane	130	NA
				11H-Benzo[b]fluorene	*170*	NA
				11H-Benzo[b]fluorene	*150*	NA
				2,4-Dimethyl-3-hexene(c,t)	260	NA
				2,5-Heptadien-4-one, 2,6-dimethyl-	130	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-	420	NA
				2-Heptadecanol	1000	NA
				2-Methylnaphthalene	13	NA
				4-Methylphenol	24	NA
				9-Octadecenamide, (Z)-	240	NA
				Acenaphthene	19	20000
				Acenaphthylene	18	100000
				Acetophenone	290	NA
				Anthracene	34	100000
				Anthracene, 1,4-dimethyl-	180	NA
				Benzaldehyde	54	NA
				Benzo(a)anthracene	240	1000
				Benzo(a)pyrene	240	1000
				Benzo(b)fluoranthene	330	1000
				Benzo(g,h,i)perylene	160	100000
				Benzo(k)fluoranthene	110	800
				Bis(2-ethylhexyl)phthalate	290	NA
				Butylbenzylphthalate	9.4	NA
				Carbazole	25	NA
				Chloroxylenol	440	NA
				Chrysene	240	1000

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-4C (cont.)	SP-04	18	24	Corydine	130	NA
				Dibenzo(a,h)anthracene	40	330
				Dibenzofuran	12	NA
				Di-n-butylphthalate	290	NA
				Fluoranthene	520	100000
				Fluorene	20	30000
				Hexadecanoic acid, 4-nitrophenyl ester	500	NA
				Indeno(1,2,3-cd)pyrene	190	500
				Naphthalene	24	12000
				Naphtho[2,1-b]furan-4-carboxylic acid, 1,2-dihyd	150	NA
				Naphtho[2,3-b]thiophene, 4,9-dimethyl-	130	NA
				Perylene	170	NA
				Phenanthrene	180	100000
				Phenol	28	330
				Polycyclic hydrocarbon	*290*	NA
				Polycyclic hydrocarbon	*220*	NA
				Polycyclic hydrocarbon	*180*	NA
				Polycyclic hydrocarbon	*150*	NA
				Polycyclic hydrocarbon	*140*	NA
				Polycyclic hydrocarbon	*130*	NA
				Polycyclic hydrocarbon	*130*	NA
				Polycyclic hydrocarbon	*120*	NA
				Pyrene	480	100000
				Pyrido[2,3-d]pyrimidine-2,4(1H,3H)-dione, 1,3-di	230	NA
				Total Alkanes	1000	NA
				Tridecanol	750	NA
				Unsaturated Hydrocarbon	230	NA
SP-5A	SP-05	0	6	2-Methylnaphthalene	20	NA
				3,5-Dibromophloretic acid	200	NA
				4-Methylphenol	20	NA
				Acenaphthene	28	20000
				Acenaphthylene	17	100000
				Acetophenone	510	NA
				Anthracene	66	100000
				Benzaldehyde	120	NA
				Benzo(a)anthracene	400	1000
				Benzo(a)pyrene	470	1000
				Benzo(b)fluoranthene	760	1000
				Benzo(g,h,i)perylene	420	100000
				Benzo(k)fluoranthene	290	800
				Benzo[b]triphenylene	270	NA
				Benzo[e]pyrene	610	NA
				Bis(2-ethylhexyl)phthalate	510	NA
				Butylbenzylphthalate	23	NA
				Carbazole	71	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-5A (cont.)	SP-05	0	6	Chloroxylenol	670	NA
				Chrysene	480	1000
				Dibenzo(a,h)anthracene	79	330
				Di-n-butylphthalate	510	NA
				Dithianone	270	NA
				Fluoranthene	950	100000
				Fluorene	26	30000
				Hexadecanoic acid, 4-nitrophenyl ester	630	NA
				Indeno(1,2,3-cd)pyrene	430	500
				Naphthalene	45	12000
				Naphthalene, 2-phenyl-	210	NA
				Nonanoic acid	200	NA
				Phenanthrene	410	100000
				Phenanthrene, 3-methyl-	280	NA
				Phenol	65	330
				Polycyclic hydrocarbon	*210*	NA
				Polycyclic hydrocarbon	*200*	NA
				Pyrene	830	100000
				Total Alkanes	1000	NA
				Unsaturated Hydrocarbon	320	NA
SP-5B	SP-05	6	12	2-Methylnaphthalene	16	NA
				2-Undecanone, 6,10-dimethyl-	460	NA
				4-Methylphenol	26	NA
				Acetophenone	430	NA
				Anthracene	22	100000
				Benzaldehyde	100	NA
				Benzo(a)anthracene	130	1000
				Benzo(a)pyrene	120	1000
				Benzo(b)fluoranthene	200	1000
				Benzo(g,h,i)perylene	110	100000
				Benzo(k)fluoranthene	70	800
				Bis(2-ethylhexyl)phthalate	430	NA
				Butylbenzylphthalate	17	NA
				Carbazole	30	NA
				Chloroxylenol	580	NA
				Chrysene	140	1000
				Dibenzo(a,h)anthracene	24	330
				Diisoamylene	350	NA
				Di-n-butylphthalate	430	NA
				E-11,13-Tetradecadien-1-	210	NA
				Fluoranthene	280	100000
				Fluorene	13	30000
				Indeno(1,2,3-cd)pyrene	130	500
				Naphthalene	31	12000
				Nonanamide	1900	NA

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-5B (cont.)	SP-05	6	12	Pentachlorophenol	64	NA
				Pentadecanamide, 15-bromo-	380	NA
				Pentanamide	170	NA
				Phenanthrene	140	100000
				Phenol	42	330
				Pyrene	270	100000
				Total Alkanes	4000	NA
				Unknown oxyhydrocarbon	*680*	NA
				Unknown oxyhydrocarbon	*260*	NA
SP-5C	SP-05	18	24	*1,1'-Biphenyl, 2,3,3'-trichloro-*	*370*	NA
				1,1'-Biphenyl, 2,3,3'-trichloro-	*220*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*510*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*460*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*240*	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	220	NA
				1,1'-Biphenyl, 4,4'-dichloro-	280	NA
				1,1'-Biphenyl, trichloro-	*870*	NA
				1,1'-Biphenyl, trichloro-	*600*	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	350	NA
				1-Mercapto-2-heptadecanone	270	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-	380	NA
				2-Methylnaphthalene	28	NA
				4-Methylphenol	77	NA
				5-(1-Isopropenyl-4,5-dimethylbicyclo[4.3.0]non	270	NA
				9-Octadecenamide, (Z)-	2300	NA
				Acenaphthene	23	20000
				Acenaphthylene	39	100000
				Acetophenone	380	NA
				Anthracene	55	100000
				Anthracene, 1,4-dimethyl-	260	NA
				Anthracene, 9-methyl-	260	NA
				Benzaldehyde	120	NA
				Benzo(a)anthracene	320	1000
				Benzo(a)pyrene	320	1000
				Benzo(b)fluoranthene	490	1000
				Benzo(g,h,i)perylene	270	100000
				Benzo(k)fluoranthene	180	800

Table 4.4f
BNA Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
SP-5C (cont.)	SP-05	18	24	Benzo[e]pyrene	410	NA
				Bis(2-ethylhexyl)phthalate	380	NA
				Butylbenzylphthalate	39	NA
				Carbazole	45	NA
				Chrysene	400	1000
				Dibenzo(a,h)anthracene	62	330
				Dibenzofuran	21	NA
				Di-n-butylphthalate	380	NA
				Fluoranthene	830	100000
				Fluorene	30	30000
				Indeno(1,2,3-cd)pyrene	290	500
				Naphthalene	54	12000
				Nonanamide	320	NA
				Pentanamide	320	NA
				Phenanthrene	320	100000
				Phenol	56	330
				Polycyclic hydrocarbon	200	NA
				Pyrene	850	100000
				Pyrene, 1-methyl-	290	NA
				Total Alkanes	11000	NA
				Unknown oxyhydrocarbon	340	NA

Notes:
Highlighted cells indicate results greater than the Unrestricted Use NYS Soil Criteria
Results in italics indicate samples analyzed for the same chemical multiple times
BNA - base/neutral/acid organic compounds
NYS - New York State
in - inches
µg/kg - micrograms per kilogram
NA - Not Available

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD01	LLCD01	0	12	*1,2,3,4,6,7,8,9-OCDD*	*1830*	1000
				1,2,3,4,6,7,8,9-OCDD	*1400*	1000
				1,2,3,4,6,7,8,9-OCDF	*113*	1000
				1,2,3,4,6,7,8,9-OCDF	*21.2*	1000
				1,2,3,4,6,7,8-HpCDD	*222*	1000
				1,2,3,4,6,7,8-HpCDD	*114*	1000
				1,2,3,4,6,7,8-HpCDF	*86.9*	1000
				1,2,3,4,6,7,8-HpCDF	*17.4*	1000
				1,2,3,4,7,8,9-HpCDF	*3.67*	1000
				1,2,3,4,7,8,9-HpCDF	*0.835*	1000
				1,2,3,4,7,8-HxCDD	*16*	1000
				1,2,3,4,7,8-HxCDD	*4.31*	1000
				1,2,3,4,7,8-HxCDF	*14.8*	1000
				1,2,3,4,7,8-HxCDF	*1.68*	1000
				1,2,3,6,7,8-HxCDD	*4.1*	1000
				1,2,3,6,7,8-HxCDD	*1.83*	1000
				1,2,3,6,7,8-HxCDF	*6.41*	1000
				1,2,3,6,7,8-HxCDF	*1.21*	1000
				1,2,3,7,8,9-HxCDD	*10.5*	1000
				1,2,3,7,8,9-HxCDD	*4.26*	1000
				1,2,3,7,8,9-HxCDF	*1.67*	1000
				1,2,3,7,8,9-HxCDF	*0.26*	1000
				1,2,3,7,8-PeCDD	*4.2*	1000
				1,2,3,7,8-PeCDD	*1.11*	1000
				1,2,3,7,8-PeCDF	*5.15*	1000
				1,2,3,7,8-PeCDF	*0.633*	1000
				2,3,4,6,7,8-HxCDF	*6.42*	1000
				2,3,4,6,7,8-HxCDF	*1.28*	1000
				2,3,4,7,8-PeCDF	*7.32*	1000
				2,3,4,7,8-PeCDF	*1.09*	1000
				2,3,7,8-TCDD	0.968	1000
				2,3,7,8-TCDF	*5.65*	1000
				2,3,7,8-TCDF	*1.09*	1000
				TEQ WHO1998 Bird ND=0	*25.3*	1000
				TEQ WHO1998 Bird ND=0	*5.13*	1000
				TEQ WHO1998 Fish ND=0	*21.8*	1000
				TEQ WHO1998 Fish ND=0	*4.82*	1000
				Total HpCDD	*419*	1000
				Total HpCDD	*238*	1000
				Total HpCDF	*167*	1000
				Total HpCDF	*33.2*	1000
				Total HxCDD	*194*	1000
				Total HxCDD	*48.5*	1000
				Total HxCDF	*111*	1000
				Total HxCDF	*23.1*	1000
				Total PeCDD	*107*	1000
				Total PeCDD	*14.8*	1000
				Total PeCDF	*70.8*	1000
				Total PeCDF	*14.7*	1000
				Total TCDD	*70.7*	1000
				Total TCDD	*7.32*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD01 (cont.)	LLCD01	0	12	*Total TCDF*	*72.2*	1000
				Total TCDF	*10.3*	1000
				Total TEQ ND=0	*17.6151*	1000
				Total TEQ ND=0	*4.77771*	1000
LLCD02	LLCD02	0	12	*1,2,3,4,6,7,8,9-OCDD*	*5890*	1000
				1,2,3,4,6,7,8,9-OCDD	*1520*	1000
				1,2,3,4,6,7,8,9-OCDF	*457*	1000
				1,2,3,4,6,7,8,9-OCDF	*177*	1000
				1,2,3,4,6,7,8-HpCDD	*748*	1000
				1,2,3,4,6,7,8-HpCDD	*186*	1000
				1,2,3,4,6,7,8-HpCDF	*490*	1000
				1,2,3,4,6,7,8-HpCDF	*87.8*	1000
				1,2,3,4,7,8,9-HpCDF	*12.3*	1000
				1,2,3,4,7,8,9-HpCDF	*4.36*	1000
				1,2,3,4,7,8-HxCDD	8.54	1000
				1,2,3,4,7,8-HxCDF	*34.4*	1000
				1,2,3,4,7,8-HxCDF	*6.15*	1000
				1,2,3,6,7,8-HxCDD	*45.7*	1000
				1,2,3,6,7,8-HxCDD	*9.53*	1000
				1,2,3,6,7,8-HxCDF	*24.6*	1000
				1,2,3,6,7,8-HxCDF	*4.97*	1000
				1,2,3,7,8,9-HxCDD	*27.8*	1000
				1,2,3,7,8,9-HxCDD	*7.63*	1000
				1,2,3,7,8,9-HxCDF	10.9	1000
				1,2,3,7,8-PeCDD	12.8	1000
				1,2,3,7,8-PeCDF	*8.97*	1000
				1,2,3,7,8-PeCDF	*2.53*	1000
				2,3,4,6,7,8-HxCDF	*43.9*	1000
				2,3,4,6,7,8-HxCDF	*7.8*	1000
				2,3,4,7,8-PeCDF	*83.1*	1000
				2,3,4,7,8-PeCDF	*11.9*	1000
				2,3,7,8-TCDD	1.9	1000
				2,3,7,8-TCDF	*10*	1000
				2,3,7,8-TCDF	*5.25*	1000
				TEQ WHO1998 Bird ND=0	*128*	1000
				TEQ WHO1998 Bird ND=0	*20.3*	1000
				TEQ WHO1998 Fish ND=0	*78.1*	1000
				TEQ WHO1998 Fish ND=0	*8.58*	1000
				Total HpCDD	*1400*	1000
				Total HpCDD	*335*	1000
				Total HpCDF	*960*	1000
				Total HpCDF	*212*	1000
				Total HxCDD	*507*	1000
				Total HxCDD	*74.9*	1000
				Total HxCDF	*846*	1000
				Total HxCDF	*128*	1000
				Total PeCDD	*447*	1000
				Total PeCDD	*20.1*	1000
				Total PeCDF	*1030*	1000
				Total PeCDF	*131*	1000
				Total TCDD	*240*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD02 (cont.)	LLCD02	0	12	*Total TCDD*	*26.7*	1000
				Total TCDF	*440*	1000
				Total TCDF	*58.9*	1000
				Total TEQ ND=0	*70.0462*	1000
				Total TEQ ND=0	*9.9576*	1000
LLCD13	LLCD13	0	12	*1,2,3,4,6,7,8,9-OCDD*	*1020*	1000
				1,2,3,4,6,7,8,9-OCDD	*754*	1000
				1,2,3,4,6,7,8,9-OCDF	*97*	1000
				1,2,3,4,6,7,8,9-OCDF	*91.3*	1000
				1,2,3,4,6,7,8-HpCDD	*119*	1000
				1,2,3,4,6,7,8-HpCDD	*104*	1000
				1,2,3,4,6,7,8-HpCDF	*129*	1000
				1,2,3,4,6,7,8-HpCDF	*78.1*	1000
				1,2,3,4,7,8,9-HpCDF	*3.49*	1000
				1,2,3,4,7,8,9-HpCDF	*3.46*	1000
				1,2,3,4,7,8-HxCDD	*9.67*	1000
				1,2,3,4,7,8-HxCDD	*6.49*	1000
				1,2,3,4,7,8-HxCDF	*17.1*	1000
				1,2,3,4,7,8-HxCDF	*10.6*	1000
				1,2,3,6,7,8-HxCDD	*2.67*	1000
				1,2,3,6,7,8-HxCDD	*1.67*	1000
				1,2,3,6,7,8-HxCDF	*6.39*	1000
				1,2,3,6,7,8-HxCDF	*4.23*	1000
				1,2,3,7,8,9-HxCDD	*4.04*	1000
				1,2,3,7,8,9-HxCDD	*2.31*	1000
				1,2,3,7,8,9-HxCDF	*1.35*	1000
				1,2,3,7,8,9-HxCDF	*1.34*	1000
				1,2,3,7,8-PeCDD	*2.43*	1000
				1,2,3,7,8-PeCDD	*2.04*	1000
				1,2,3,7,8-PeCDF	*3.82*	1000
				1,2,3,7,8-PeCDF	*2.55*	1000
				2,3,4,6,7,8-HxCDF	*4.74*	1000
				2,3,4,6,7,8-HxCDF	*4.3*	1000
				2,3,4,7,8-PeCDF	*8.02*	1000
				2,3,4,7,8-PeCDF	*7.74*	1000
				2,3,7,8-TCDD	*0.578*	1000
				2,3,7,8-TCDD	*0.425*	1000
				2,3,7,8-TCDF	*2.81*	1000
				2,3,7,8-TCDF	*2.64*	1000
				TEQ WHO1998 Bird ND=0	*19.6*	1000
				TEQ WHO1998 Bird ND=0	*19.2*	1000
				TEQ WHO1998 Fish ND=0	*15.6*	1000
				TEQ WHO1998 Fish ND=0	*14.2*	1000
				Total HpCDD	*193*	1000
				Total HpCDD	*193*	1000
				Total HpCDF	*233*	1000
				Total HpCDF	*137*	1000
				Total HxCDD	*67.8*	1000
				Total HxCDD	*54*	1000
				Total HxCDF	*98.8*	1000
				Total HxCDF	*97.4*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD13 (cont.)	LLCD13	0	12	*Total PeCDD*	*16.5*	1000
				Total PeCDD	*15.5*	1000
				Total PeCDF	*68.5*	1000
				Total PeCDF	*49.4*	1000
				Total TCDD	*14.2*	1000
				Total TCDD	*9.33*	1000
				Total TCDF	*54.3*	1000
				Total TCDF	*34.1*	1000
				Total TEQ ND=0	*11.93769*	1000
				Total TEQ ND=0	*11.3796*	1000
LLCD14	LLCD14	0	12	*1,2,3,4,6,7,8,9-OCDD*	*503*	1000
				1,2,3,4,6,7,8,9-OCDD	*417*	1000
				1,2,3,4,6,7,8,9-OCDF	*24.1*	1000
				1,2,3,4,6,7,8,9-OCDF	*21.5*	1000
				1,2,3,4,6,7,8-HpCDD	*49.9*	1000
				1,2,3,4,6,7,8-HpCDD	*48.4*	1000
				1,2,3,4,6,7,8-HpCDF	*15.3*	1000
				1,2,3,4,6,7,8-HpCDF	*12.7*	1000
				1,2,3,4,7,8,9-HpCDF	*1.49*	1000
				1,2,3,4,7,8,9-HpCDF	*0.988*	1000
				1,2,3,4,7,8-HxCDD	*3.28*	1000
				1,2,3,4,7,8-HxCDF	*3.3*	1000
				1,2,3,4,7,8-HxCDF	*2.18*	1000
				1,2,3,6,7,8-HxCDD	*2.55*	1000
				1,2,3,6,7,8-HxCDD	*1.5*	1000
				1,2,3,6,7,8-HxCDF	*1.68*	1000
				1,2,3,6,7,8-HxCDF	*1.43*	1000
				1,2,3,7,8,9-HxCDD	*2.39*	1000
				1,2,3,7,8,9-HxCDD	*1.64*	1000
				1,2,3,7,8-PeCDD	*1.3*	1000
				1,2,3,7,8-PeCDD	*1.22*	1000
				1,2,3,7,8-PeCDF	*1.17*	1000
				1,2,3,7,8-PeCDF	*1.01*	1000
				2,3,4,6,7,8-HxCDF	*1.67*	1000
				2,3,4,6,7,8-HxCDF	*1.57*	1000
				2,3,4,7,8-PeCDF	*3.76*	1000
				2,3,4,7,8-PeCDF	*2.56*	1000
				2,3,7,8-TCDF	*2.78*	1000
				2,3,7,8-TCDF	*1.68*	1000
				TEQ WHO1998 Bird ND=0	*10.1*	1000
				TEQ WHO1998 Bird ND=0	*3.7*	1000
				TEQ WHO1998 Fish ND=0	*5.92*	1000
				TEQ WHO1998 Fish ND=0	*1.9*	1000
				Total HpCDD	*96.8*	1000
				Total HpCDD	*89.5*	1000
				Total HpCDF	*31.9*	1000
				Total HpCDF	*29.9*	1000
				Total HxCDD	*42.7*	1000
				Total HxCDD	*24.9*	1000
				Total HxCDF	*27.2*	1000
				Total HxCDF	*22.5*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD14 (cont.)	LLCD14	0	12	*Total PeCDD*	*15.7*	1000
				Total PeCDD	*13.7*	1000
				Total PeCDF	*20.7*	1000
				Total PeCDF	*20.7*	1000
				Total TCDD	*14*	1000
				Total TCDD	*6.31*	1000
				Total TCDF	*19.6*	1000
				Total TCDF	*7.56*	1000
				Total TEQ ND=0	*4.73763*	1000
				Total TEQ ND=0	*2.96325*	1000
LLCD17	LLCD17	0	12	*1,2,3,4,6,7,8,9-OCDD*	*267*	1000
				1,2,3,4,6,7,8,9-OCDD	*198*	1000
				1,2,3,4,6,7,8,9-OCDF	*4250*	1000
				1,2,3,4,6,7,8,9-OCDF	*1100*	1000
				1,2,3,4,6,7,8-HpCDD	*34.8*	1000
				1,2,3,4,6,7,8-HpCDD	*24.5*	1000
				1,2,3,4,6,7,8-HpCDF	*2750*	1000
				1,2,3,4,6,7,8-HpCDF	*706*	1000
				1,2,3,4,7,8,9-HpCDF	*84.3*	1000
				1,2,3,4,7,8,9-HpCDF	*22.7*	1000
				1,2,3,4,7,8-HxCDD	*7.74*	1000
				1,2,3,4,7,8-HxCDD	*2.99*	1000
				1,2,3,4,7,8-HxCDF	*751*	1000
				1,2,3,4,7,8-HxCDF	*198*	1000
				1,2,3,6,7,8-HxCDD	*2.61*	1000
				1,2,3,6,7,8-HxCDD	*1.07*	1000
				1,2,3,6,7,8-HxCDF	*216*	1000
				1,2,3,6,7,8-HxCDF	*58.4*	1000
				1,2,3,7,8,9-HxCDD	*4.08*	1000
				1,2,3,7,8,9-HxCDD	*1.83*	1000
				1,2,3,7,8,9-HxCDF	*21.7*	1000
				1,2,3,7,8,9-HxCDF	*5.83*	1000
				1,2,3,7,8-PeCDD	*5.53*	1000
				1,2,3,7,8-PeCDD	*1.82*	1000
				1,2,3,7,8-PeCDF	*120*	1000
				1,2,3,7,8-PeCDF	*30.9*	1000
				2,3,4,6,7,8-HxCDF	*56.4*	1000
				2,3,4,6,7,8-HxCDF	*15.6*	1000
				2,3,4,7,8-PeCDF	*85.7*	1000
				2,3,4,7,8-PeCDF	*23.5*	1000
				2,3,7,8-TCDD	*4.79*	1000
				2,3,7,8-TCDD	*1.14*	1000
				2,3,7,8-TCDF	*27.7*	1000
				2,3,7,8-TCDF	*6.54*	1000
				TEQ WHO1998 Bird ND=0	*268*	1000
				TEQ WHO1998 Fish ND=0	*197*	1000
				Total HpCDD	*76.5*	1000
				Total HpCDD	*49.3*	1000
				Total HpCDF	*3050*	1000
				Total HpCDF	*806*	1000
				Total HxCDD	*79.2*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD17 (cont.)	LLCD17	0	12	*Total HxCDD*	*30.9*	1000
				Total HxCDF	*2420*	1000
				Total HxCDF	*636*	1000
				Total PeCDD	*61.7*	1000
				Total PeCDD	*18.3*	1000
				Total PeCDF	*1740*	1000
				Total PeCDF	*428*	1000
				Total TCDD	*75.5*	1000
				Total TCDD	*18.5*	1000
				Total TCDF	*1380*	1000
				Total TCDF	*316*	1000
				Total TEQ ND=0	*176.2084*	1000
				Total TEQ ND=0	*45.5021*	1000
LLCD21	LLCD21	0	12	*1,2,3,4,6,7,8,9-OCDD*	*5050*	1000
				1,2,3,4,6,7,8,9-OCDD	*3350*	1000
				1,2,3,4,6,7,8,9-OCDF	*283*	1000
				1,2,3,4,6,7,8,9-OCDF	*220*	1000
				1,2,3,4,6,7,8-HpCDD	*493*	1000
				1,2,3,4,6,7,8-HpCDD	*339*	1000
				1,2,3,4,6,7,8-HpCDF	*112*	1000
				1,2,3,4,6,7,8-HpCDF	*106*	1000
				1,2,3,4,7,8,9-HpCDF	*6.8*	1000
				1,2,3,4,7,8,9-HpCDF	*5.82*	1000
				1,2,3,4,7,8-HxCDD	*3.76*	1000
				1,2,3,4,7,8-HxCDD	*3.73*	1000
				1,2,3,4,7,8-HxCDF	*7.39*	1000
				1,2,3,4,7,8-HxCDF	*6.24*	1000
				1,2,3,6,7,8-HxCDD	*25.3*	1000
				1,2,3,6,7,8-HxCDD	*18.5*	1000
				1,2,3,6,7,8-HxCDF	*4.26*	1000
				1,2,3,6,7,8-HxCDF	*3.4*	1000
				1,2,3,7,8,9-HxCDD	*21.8*	1000
				1,2,3,7,8,9-HxCDD	*15.6*	1000
				1,2,3,7,8,9-HxCDF	*1.76*	1000
				1,2,3,7,8,9-HxCDF	*1.56*	1000
				1,2,3,7,8-PeCDD	*9.19*	1000
				1,2,3,7,8-PeCDD	*6.51*	1000
				1,2,3,7,8-PeCDF	*2.93*	1000
				1,2,3,7,8-PeCDF	*2.83*	1000
				2,3,4,6,7,8-HxCDF	*5.33*	1000
				2,3,4,6,7,8-HxCDF	*4.49*	1000
				2,3,4,7,8-PeCDF	*9.16*	1000
				2,3,4,7,8-PeCDF	*6.9*	1000
				2,3,7,8-TCDD	*4.6*	1000
				2,3,7,8-TCDD	*3.23*	1000
				2,3,7,8-TCDF	*11.4*	1000
				2,3,7,8-TCDF	*8.1*	1000
				TEQ WHO1998 Bird ND=0	*67.2*	1000
				TEQ WHO1998 Bird ND=0	*58.1*	1000
				TEQ WHO1998 Fish ND=0	*26.3*	1000
				TEQ WHO1998 Fish ND=0	*21.2*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD21 (cont.)	LLCD21	0	12	*Total HpCDD*	*1060*	1000
				Total HpCDD	*716*	1000
				Total HpCDF	*346*	1000
				Total HpCDF	*285*	1000
				Total HxCDD	*300*	1000
				Total HxCDD	*199*	1000
				Total HxCDF	*148*	1000
				Total HxCDF	*124*	1000
				Total PeCDD	*64.9*	1000
				Total PeCDD	*50.4*	1000
				Total PeCDF	*80.3*	1000
				Total PeCDF	*78.7*	1000
				Total TCDD	*20.6*	1000
				Total TCDD	*15.5*	1000
				Total TCDF	*253*	1000
				Total TCDF	*207*	1000
				Total TEQ ND=0	*32.11*	1000
				Total TEQ ND=0	*23.969*	1000
LLCD25	LLCD25	0	12	*1,2,3,4,6,7,8,9-OCDD*	*6600*	1000
				1,2,3,4,6,7,8,9-OCDD	*2670*	1000
				1,2,3,4,6,7,8,9-OCDF	*430*	1000
				1,2,3,4,6,7,8,9-OCDF	*164*	1000
				1,2,3,4,6,7,8-HpCDD	*653*	1000
				1,2,3,4,6,7,8-HpCDD	*272*	1000
				1,2,3,4,6,7,8-HpCDF	*132*	1000
				1,2,3,4,6,7,8-HpCDF	*61*	1000
				1,2,3,4,7,8,9-HpCDF	*10.4*	1000
				1,2,3,4,7,8,9-HpCDF	*4.89*	1000
				1,2,3,4,7,8-HxCDD	*35.7*	1000
				1,2,3,4,7,8-HxCDD	*2.1*	1000
				1,2,3,4,7,8-HxCDF	*13.1*	1000
				1,2,3,4,7,8-HxCDF	*6.1*	1000
				1,2,3,6,7,8-HxCDD	*13.7*	1000
				1,2,3,6,7,8-HxCDD	*4.85*	1000
				1,2,3,6,7,8-HxCDF	*6.48*	1000
				1,2,3,6,7,8-HxCDF	*3.41*	1000
				1,2,3,7,8,9-HxCDD	*34.3*	1000
				1,2,3,7,8,9-HxCDD	*13*	1000
				1,2,3,7,8,9-HxCDF	*3.11*	1000
				1,2,3,7,8,9-HxCDF	*1.65*	1000
				1,2,3,7,8-PeCDD	*15.4*	1000
				1,2,3,7,8-PeCDD	*6.52*	1000
				1,2,3,7,8-PeCDF	*4.52*	1000
				1,2,3,7,8-PeCDF	*2.23*	1000
				2,3,4,6,7,8-HxCDF	*8.67*	1000
				2,3,4,6,7,8-HxCDF	*4.36*	1000
				2,3,4,7,8-PeCDF	*24.5*	1000
				2,3,4,7,8-PeCDF	*10.4*	1000
				2,3,7,8-TCDD	*6.25*	1000
				2,3,7,8-TCDD	*2.57*	1000
				2,3,7,8-TCDF	*43*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD25 (cont.)	LLCD25	0	12	*2,3,7,8-TCDF*	*11.2*	1000
				TEQ WHO1998 Bird ND=0	*280*	1000
				TEQ WHO1998 Bird ND=0	*93.6*	1000
				TEQ WHO1998 Fish ND=0	*69.4*	1000
				TEQ WHO1998 Fish ND=0	*22*	1000
				Total HpCDD	*1370*	1000
				Total HpCDD	*653*	1000
				Total HpCDF	*450*	1000
				Total HpCDF	*208*	1000
				Total HxCDD	*375*	1000
				Total HxCDD	*162*	1000
				Total HxCDF	*218*	1000
				Total HxCDF	*97*	1000
				Total PeCDD	*122*	1000
				Total PeCDD	*47.1*	1000
				Total PeCDF	*250*	1000
				Total PeCDF	*94.5*	1000
				Total TCDD	*57.6*	1000
				Total TCDD	*15.6*	1000
				Total TCDF	*1070*	1000
				Total TCDF	*388*	1000
				Total TEQ ND=0	*53.809*	1000
				Total TEQ ND=0	*21.893*	1000
007-3138	LLCD25	48	60	1,2,3,4,6,7,8,9-OCDD	989	1000
				1,2,3,4,6,7,8,9-OCDF	61.9	1000
				1,2,3,4,6,7,8-HpCDD	97.3	1000
				1,2,3,4,6,7,8-HpCDF	30	1000
				1,2,3,4,7,8,9-HpCDF	1.8	1000
				1,2,3,4,7,8-HxCDD	5.25	1000
				1,2,3,4,7,8-HxCDF	1.73	1000
				1,2,3,6,7,8-HxCDD	0.76	1000
				1,2,3,6,7,8-HxCDF	0.998	1000
				1,2,3,7,8,9-HxCDD	4.2	1000
				1,2,3,7,8,9-HxCDF	0.568	1000
				1,2,3,7,8-PeCDD	1.66	1000
				1,2,3,7,8-PeCDF	0.578	1000
				2,3,4,6,7,8-HxCDF	1.49	1000
				2,3,4,7,8-PeCDF	2.79	1000
				2,3,7,8-TCDD	0.736	1000
				2,3,7,8-TCDF	3.28	1000
				TEQ WHO1998 Bird ND=0	26.3	1000
				TEQ WHO1998 Fish ND=0	7.76	1000
				Total HpCDD	210	1000
				Total HpCDF	84.2	1000
				Total HxCDD	56.1	1000
				Total HxCDF	38.6	1000
				Total PeCDD	13.7	1000
				Total PeCDF	25.7	1000
				Total TCDD	9.86	1000
				Total TCDF	104	1000
				Total TEQ ND=0	5.89141	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
007-3139	LLCD25	84	96	1,2,3,4,6,7,8,9-OCDD	114	1000
				1,2,3,4,6,7,8,9-OCDF	6.16	1000
				1,2,3,4,6,7,8-HpCDD	10.1	1000
				1,2,3,4,6,7,8-HpCDF	4.1	1000
				1,2,3,4,7,8,9-HpCDF	0.217	1000
				1,2,3,4,7,8-HxCDF	0.231	1000
				1,2,3,6,7,8-HxCDD	0.504	1000
				1,2,3,6,7,8-HxCDF	0.191	1000
				1,2,3,7,8,9-HxCDD	0.452	1000
				1,2,3,7,8,9-HxCDF	0.0824	1000
				1,2,3,7,8-PeCDD	0.179	1000
				2,3,4,6,7,8-HxCDF	0.203	1000
				2,3,4,7,8-PeCDF	0.345	1000
				2,3,7,8-TCDD	0.137	1000
				TEQ WHO1998 Bird ND=0	3.01	1000
				TEQ WHO1998 Fish ND=0	0.582	1000
				Total HpCDD	19.2	1000
				Total HpCDF	11	1000
				Total HxCDD	6.29	1000
				Total HxCDF	4.74	1000
				Total PeCDD	1.63	1000
				Total PeCDF	3.2	1000
				Total TCDD	1.16	1000
				Total TCDF	12.3	1000
				Total TEQ ND=0	0.5543	1000
LLCD27	LLCD27	0	12	*1,2,3,4,6,7,8,9-OCDD*	*6130*	1000
				1,2,3,4,6,7,8,9-OCDD	*67.6*	1000
				1,2,3,4,6,7,8,9-OCDF	*355*	1000
				1,2,3,4,6,7,8,9-OCDF	*4.53*	1000
				1,2,3,4,6,7,8-HpCDD	*777*	1000
				1,2,3,4,6,7,8-HpCDD	*10.3*	1000
				1,2,3,4,6,7,8-HpCDF	*178*	1000
				1,2,3,4,6,7,8-HpCDF	*2.37*	1000
				1,2,3,4,7,8,9-HpCDF	*24.7*	1000
				1,2,3,4,7,8,9-HpCDF	*0.587*	1000
				1,2,3,4,7,8-HxCDD	*67.7*	1000
				1,2,3,4,7,8-HxCDD	*0.277*	1000
				1,2,3,4,7,8-HxCDF	*40.9*	1000
				1,2,3,4,7,8-HxCDF	*0.651*	1000
				1,2,3,6,7,8-HxCDD	*10.5*	1000
				1,2,3,6,7,8-HxCDD	*0.908*	1000
				1,2,3,6,7,8-HxCDF	*20.6*	1000
				1,2,3,6,7,8-HxCDF	*0.381*	1000
				1,2,3,7,8,9-HxCDD	*72.3*	1000
				1,2,3,7,8,9-HxCDD	*1.03*	1000
				1,2,3,7,8,9-HxCDF	*10.3*	1000
				1,2,3,7,8,9-HxCDF	*0.353*	1000
				1,2,3,7,8-PeCDD	*28.5*	1000
				1,2,3,7,8-PeCDD	*0.539*	1000
				1,2,3,7,8-PeCDF	*18.3*	1000
				1,2,3,7,8-PeCDF	*0.389*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD27 (cont.)	LLCD27	0	12	*2,3,4,6,7,8-HxCDF*	*24.4*	1000
				2,3,4,6,7,8-HxCDF	*0.499*	1000
				2,3,4,7,8-PeCDF	*65.1*	1000
				2,3,4,7,8-PeCDF	*0.886*	1000
				2,3,7,8-TCDD	*9.42*	1000
				2,3,7,8-TCDD	*0.194*	1000
				2,3,7,8-TCDF	*54.9*	1000
				2,3,7,8-TCDF	*1.27*	1000
				TEQ WHO1998 Bird ND=0	*288*	1000
				TEQ WHO1998 Bird ND=0	*4.94*	1000
				TEQ WHO1998 Fish ND=0	*127*	1000
				TEQ WHO1998 Fish ND=0	*1.7*	1000
				Total HpCDD	*1730*	1000
				Total HpCDD	*23*	1000
				Total HpCDF	*519*	1000
				Total HpCDF	*7.05*	1000
				Total HxCDD	*840*	1000
				Total HxCDD	*10.8*	1000
				Total HxCDF	*433*	1000
				Total HxCDF	*5.27*	1000
				Total PeCDD	*278*	1000
				Total PeCDD	*3.51*	1000
				Total PeCDF	*464*	1000
				Total PeCDF	*6.34*	1000
				Total TCDD	*97.7*	1000
				Total TCDD	*0.766*	1000
				Total TCDF	*1760*	1000
				Total TCDF	*24*	1000
				Total TEQ ND=0	*98.87*	1000
				Total TEQ ND=0	*1.666*	1000
007-3130	LLCD27	48	60	1,2,3,4,6,7,8,9-OCDD	12.7	1000
				1,2,3,4,6,7,8,9-OCDF	0.707	1000
				1,2,3,4,6,7,8-HpCDD	1.68	1000
				1,2,3,4,6,7,8-HpCDF	0.431	1000
				1,2,3,4,7,8,9-HpCDF	0.0774	1000
				1,2,3,4,7,8-HxCDF	0.121	1000
				1,2,3,6,7,8-HxCDD	0.111	1000
				2,3,4,7,8-PeCDF	0.179	1000
				2,3,7,8-TCDD	0.0894	1000
				2,3,7,8-TCDF	0.844	1000
				TEQ WHO1998 Bird ND=0	1.03	1000
				TEQ WHO1998 Fish ND=0	0.14	1000
				Total HpCDD	3.79	1000
				Total HpCDF	1.07	1000
				Total HxCDD	1.73	1000
				Total HxCDF	0.701	1000
				Total PeCDD	0.371	1000
				Total PeCDF	0.89	1000
				Total TCDD	0.334	1000
				Total TCDF	4.1	1000
				Total TEQ ND=0	0.164	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
007-3131	LLCD27	84	96	1,2,3,4,6,7,8,9-OCDD	2.07	1000
				1,2,3,4,6,7,8,9-OCDF	0.131	1000
				1,2,3,4,6,7,8-HpCDD	0.285	1000
				1,2,3,4,6,7,8-HpCDF	0.0623	1000
				2,3,4,7,8-PeCDF	0.0783	1000
				2,3,7,8-TCDF	0.313	1000
				TEQ WHO1998 Bird ND=0	0.314	1000
				TEQ WHO1998 Fish ND=0	0.0162	1000
				Total HpCDD	0.693	1000
				Total HpCDF	0.139	1000
				Total HxCDD	1.13	1000
				Total HxCDF	0.0321	1000
				Total PeCDD	0.257	1000
				Total PeCDF	0.0783	1000
				Total TCDD	0.155	1000
				Total TCDF	0.912	1000
				Total TEQ ND=0	0.0348	1000
LLCD28	LLCD28	0	12	*1,2,3,4,6,7,8,9-OCDD*	*9080*	1000
				1,2,3,4,6,7,8,9-OCDD	*2660*	1000
				1,2,3,4,6,7,8,9-OCDF	*792*	1000
				1,2,3,4,6,7,8,9-OCDF	*222*	1000
				1,2,3,4,6,7,8-HpCDD	*950*	1000
				1,2,3,4,6,7,8-HpCDD	*264*	1000
				1,2,3,4,6,7,8-HpCDF	*274*	1000
				1,2,3,4,6,7,8-HpCDF	*94.7*	1000
				1,2,3,4,7,8,9-HpCDF	*17.5*	1000
				1,2,3,4,7,8,9-HpCDF	*5.04*	1000
				1,2,3,4,7,8-HxCDD	*43.2*	1000
				1,2,3,4,7,8-HxCDD	*2.43*	1000
				1,2,3,4,7,8-HxCDF	*18.6*	1000
				1,2,3,4,7,8-HxCDF	*5.88*	1000
				1,2,3,6,7,8-HxCDD	*13.5*	1000
				1,2,3,6,7,8-HxCDD	*6.65*	1000
				1,2,3,6,7,8-HxCDF	*7.96*	1000
				1,2,3,6,7,8-HxCDF	*2.65*	1000
				1,2,3,7,8,9-HxCDD	*21.2*	1000
				1,2,3,7,8,9-HxCDD	*6.15*	1000
				1,2,3,7,8,9-HxCDF	*3.7*	1000
				1,2,3,7,8,9-HxCDF	*1.24*	1000
				1,2,3,7,8-PeCDD	*24.4*	1000
				1,2,3,7,8-PeCDD	*1.92*	1000
				1,2,3,7,8-PeCDF	*2.83*	1000
				1,2,3,7,8-PeCDF	*1.06*	1000
				2,3,4,6,7,8-HxCDF	*10.8*	1000
				2,3,4,6,7,8-HxCDF	*3.76*	1000
				2,3,4,7,8-PeCDF	*14.4*	1000
				2,3,4,7,8-PeCDF	*4.22*	1000
				2,3,7,8-TCDD	*4.39*	1000
				2,3,7,8-TCDD	*1.4*	1000
				2,3,7,8-TCDF	*11.6*	1000
				2,3,7,8-TCDF	*4.24*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD28 (cont.)	LLCD28	0	12	*TEQ WHO1998 Bird ND=0*	*87.2*	1000
				TEQ WHO1998 Bird ND=0	*22.7*	1000
				TEQ WHO1998 Fish ND=0	*68.5*	1000
				TEQ WHO1998 Fish ND=0	*10.4*	1000
				Total HpCDD	*1690*	1000
				Total HpCDD	*592*	1000
				Total HpCDF	*917*	1000
				Total HpCDF	*286*	1000
				Total HxCDD	*317*	1000
				Total HxCDD	*107*	1000
				Total HxCDF	*354*	1000
				Total HxCDF	*105*	1000
				Total PeCDD	*92*	1000
				Total PeCDD	*24.8*	1000
				Total PeCDF	*170*	1000
				Total PeCDF	*68*	1000
				Total TCDD	*22.6*	1000
				Total TCDD	*7.2*	1000
				Total TCDF	*221*	1000
				Total TCDF	*92.1*	1000
				Total TEQ ND=0	*60.57*	1000
				Total TEQ ND=0	*13.105*	1000
LLCD34	LLCD34	0	12	*1,2,3,4,6,7,8,9-OCDD*	*710*	1000
				1,2,3,4,6,7,8,9-OCDD	*402*	1000
				1,2,3,4,6,7,8,9-OCDF	*31.9*	1000
				1,2,3,4,6,7,8,9-OCDF	*18.9*	1000
				1,2,3,4,6,7,8-HpCDD	*125*	1000
				1,2,3,4,6,7,8-HpCDD	*46.5*	1000
				1,2,3,4,6,7,8-HpCDF	*19.1*	1000
				1,2,3,4,6,7,8-HpCDF	*11.2*	1000
				1,2,3,4,7,8,9-HpCDF	*1.49*	1000
				1,2,3,4,7,8,9-HpCDF	*0.865*	1000
				1,2,3,4,7,8-HxCDD	*9.86*	1000
				1,2,3,4,7,8-HxCDD	*0.837*	1000
				1,2,3,4,7,8-HxCDF	*2.27*	1000
				1,2,3,4,7,8-HxCDF	*1.51*	1000
				1,2,3,6,7,8-HxCDD	*3.39*	1000
				1,2,3,6,7,8-HxCDD	*2.63*	1000
				1,2,3,6,7,8-HxCDF	*1.77*	1000
				1,2,3,6,7,8-HxCDF	*1.03*	1000
				1,2,3,7,8,9-HxCDD	*10*	1000
				1,2,3,7,8,9-HxCDD	*2.28*	1000
				1,2,3,7,8,9-HxCDF	*0.526*	1000
				1,2,3,7,8,9-HxCDF	*0.388*	1000
				1,2,3,7,8-PeCDD	*3.83*	1000
				1,2,3,7,8-PeCDD	*0.799*	1000
				1,2,3,7,8-PeCDF	*1.14*	1000
				1,2,3,7,8-PeCDF	*0.817*	1000
				2,3,4,6,7,8-HxCDF	*2.72*	1000
				2,3,4,6,7,8-HxCDF	*1.42*	1000
				2,3,4,7,8-PeCDF	*4.78*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD34 (cont.)	LLCD34	0	12	*2,3,4,7,8-PeCDF*	*2.02*	1000
				2,3,7,8-TCDD	*1.49*	1000
				2,3,7,8-TCDD	*0.286*	1000
				2,3,7,8-TCDF	*3.06*	1000
				2,3,7,8-TCDF	*2.55*	1000
				TEQ WHO1998 Bird ND=0	*16.9*	1000
				TEQ WHO1998 Bird ND=0	*3.99*	1000
				TEQ WHO1998 Fish ND=0	*14.2*	1000
				TEQ WHO1998 Fish ND=0	*3.11*	1000
				Total HpCDD	*242*	1000
				Total HpCDD	*86.5*	1000
				Total HpCDF	*48.7*	1000
				Total HpCDF	*29.3*	1000
				Total HxCDD	*90.5*	1000
				Total HxCDD	*28.9*	1000
				Total HxCDF	*46.1*	1000
				Total HxCDF	*21.8*	1000
				Total PeCDD	*21.9*	1000
				Total PeCDD	*7.22*	1000
				Total PeCDF	*41*	1000
				Total PeCDF	*23.9*	1000
				Total TCDD	*6.42*	1000
				Total TCDD	*2.71*	1000
				Total TCDF	*29.6*	1000
				Total TCDF	*28.7*	1000
				Total TEQ ND=0	*11.68*	1000
				Total TEQ ND=0	*3.626*	1000
LLCD35	LLCD35	0	12	*1,2,3,4,6,7,8,9-OCDD*	*5730*	1000
				1,2,3,4,6,7,8,9-OCDD	*2400*	1000
				1,2,3,4,6,7,8,9-OCDF	*346*	1000
				1,2,3,4,6,7,8,9-OCDF	*128*	1000
				1,2,3,4,6,7,8-HpCDD	*800*	1000
				1,2,3,4,6,7,8-HpCDD	*269*	1000
				1,2,3,4,6,7,8-HpCDF	*147*	1000
				1,2,3,4,6,7,8-HpCDF	*55.8*	1000
				1,2,3,4,7,8,9-HpCDF	*15.7*	1000
				1,2,3,4,7,8,9-HpCDF	*6.06*	1000
				1,2,3,4,7,8-HxCDD	*7.9*	1000
				1,2,3,4,7,8-HxCDD	*3.16*	1000
				1,2,3,4,7,8-HxCDF	*30.4*	1000
				1,2,3,4,7,8-HxCDF	*11.8*	1000
				1,2,3,6,7,8-HxCDD	*75.9*	1000
				1,2,3,6,7,8-HxCDD	*19.9*	1000
				1,2,3,6,7,8-HxCDF	*14.9*	1000
				1,2,3,6,7,8-HxCDF	*5.91*	1000
				1,2,3,7,8,9-HxCDD	*41.9*	1000
				1,2,3,7,8,9-HxCDD	*21.7*	1000
				1,2,3,7,8,9-HxCDF	*6.67*	1000
				1,2,3,7,8,9-HxCDF	*2.71*	1000
				1,2,3,7,8-PeCDD	*29.2*	1000
				1,2,3,7,8-PeCDD	*8.82*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD35 (cont.)	LLCD35	0	12	*1,2,3,7,8-PeCDF*	*8.15*	1000
				1,2,3,7,8-PeCDF	*3.91*	1000
				2,3,4,6,7,8-HxCDF	*17.3*	1000
				2,3,4,6,7,8-HxCDF	*7.22*	1000
				2,3,4,7,8-PeCDF	*112*	1000
				2,3,4,7,8-PeCDF	*28*	1000
				2,3,7,8-TCDD	*50.8*	1000
				2,3,7,8-TCDD	*6.83*	1000
				2,3,7,8-TCDF	*122*	1000
				2,3,7,8-TCDF	*34.7*	1000
				TEQ WHO1998 Bird ND=0	*594*	1000
				TEQ WHO1998 Bird ND=0	*133*	1000
				TEQ WHO1998 Fish ND=0	*171*	1000
				TEQ WHO1998 Fish ND=0	*39.9*	1000
				Total HpCDD	*1690*	1000
				Total HpCDD	*552*	1000
				Total HpCDF	*453*	1000
				Total HpCDF	*163*	1000
				Total HxCDD	*793*	1000
				Total HxCDD	*223*	1000
				Total HxCDF	*343*	1000
				Total HxCDF	*134*	1000
				Total PeCDD	*142*	1000
				Total PeCDD	*58.1*	1000
				Total PeCDF	*410*	1000
				Total PeCDF	*199*	1000
				Total TCDD	*123*	1000
				Total TCDD	*24.8*	1000
				Total TCDF	*2230*	1000
				Total TCDF	*619*	1000
				Total TEQ ND=0	*156.3*	1000
				Total TEQ ND=0	*38.67*	1000
LLCD39	LLCD39	0	12	*1,2,3,4,6,7,8,9-OCDD*	*207*	1000
				1,2,3,4,6,7,8,9-OCDD	*135*	1000
				1,2,3,4,6,7,8,9-OCDF	*17.6*	1000
				1,2,3,4,6,7,8,9-OCDF	*9.89*	1000
				1,2,3,4,6,7,8-HpCDD	*24*	1000
				1,2,3,4,6,7,8-HpCDD	*16*	1000
				1,2,3,4,6,7,8-HpCDF	*8.67*	1000
				1,2,3,4,6,7,8-HpCDF	*6.05*	1000
				1,2,3,4,7,8,9-HpCDF	*0.695*	1000
				1,2,3,4,7,8,9-HpCDF	*0.385*	1000
				1,2,3,4,7,8-HxCDD	*0.418*	1000
				1,2,3,4,7,8-HxCDD	*0.333*	1000
				1,2,3,4,7,8-HxCDF	*1.3*	1000
				1,2,3,4,7,8-HxCDF	*0.955*	1000
				1,2,3,6,7,8-HxCDD	*2.16*	1000
				1,2,3,6,7,8-HxCDD	*1.51*	1000
				1,2,3,6,7,8-HxCDF	*0.77*	1000
				1,2,3,6,7,8-HxCDF	*0.558*	1000
				1,2,3,7,8,9-HxCDD	*1.3*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD39 (cont.)	LLCD39	0	12	*1,2,3,7,8,9-HxCDD*	*0.939*	1000
				1,2,3,7,8,9-HxCDF	*0.339*	1000
				1,2,3,7,8,9-HxCDF	*0.262*	1000
				1,2,3,7,8-PeCDD	*0.695*	1000
				1,2,3,7,8-PeCDD	*0.538*	1000
				1,2,3,7,8-PeCDF	*0.632*	1000
				1,2,3,7,8-PeCDF	*0.524*	1000
				2,3,4,6,7,8-HxCDF	*1.09*	1000
				2,3,4,6,7,8-HxCDF	*0.911*	1000
				2,3,4,7,8-PeCDF	*1.47*	1000
				2,3,4,7,8-PeCDF	*1.44*	1000
				2,3,7,8-TCDD	*2.09*	1000
				2,3,7,8-TCDD	*0.444*	1000
				2,3,7,8-TCDF	*2.09*	1000
				2,3,7,8-TCDF	*2.05*	1000
				TEQ WHO1998 Bird ND=0	*6.71*	1000
				TEQ WHO1998 Bird ND=0	*5.28*	1000
				TEQ WHO1998 Fish ND=0	*4.01*	1000
				TEQ WHO1998 Fish ND=0	*2.74*	1000
				Total HpCDD	*44.7*	1000
				Total HpCDD	*31.5*	1000
				Total HpCDF	*26.4*	1000
				Total HpCDF	*16.7*	1000
				Total HxCDD	*17*	1000
				Total HxCDD	*12.1*	1000
				Total HxCDF	*20.7*	1000
				Total HxCDF	*14.5*	1000
				Total PeCDD	*4.73*	1000
				Total PeCDD	*3.7*	1000
				Total PeCDF	*15.4*	1000
				Total PeCDF	*12.7*	1000
				Total TCDD	*3.67*	1000
				Total TCDD	*2.19*	1000
				Total TCDF	*17.6*	1000
				Total TCDF	*16.4*	1000
				Total TEQ ND=0	*3.998*	1000
LLCD40	LLCD40	0	12	*Total TEQ ND=0*	*2.36188*	1000
				1,2,3,4,6,7,8,9-OCDD	*128*	1000
				1,2,3,4,6,7,8,9-OCDD	*93.9*	1000
				1,2,3,4,6,7,8,9-OCDF	*6.08*	1000
				1,2,3,4,6,7,8,9-OCDF	*4.89*	1000
				1,2,3,4,6,7,8-HpCDD	*14.1*	1000
				1,2,3,4,6,7,8-HpCDD	*13.4*	1000
				1,2,3,4,6,7,8-HpCDF	*5.72*	1000
				1,2,3,4,6,7,8-HpCDF	*2.47*	1000
				1,2,3,4,7,8,9-HpCDF	*0.551*	1000
				1,2,3,4,7,8,9-HpCDF	*0.234*	1000
				1,2,3,4,7,8-HxCDD	*0.336*	1000
				1,2,3,4,7,8-HxCDD	*0.182*	1000
				1,2,3,4,7,8-HxCDF	*1.12*	1000
				1,2,3,4,7,8-HxCDF	*0.391*	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD40 (cont.)	LLCD40	0	12	*1,2,3,6,7,8-HxCDD*	*0.921*	1000
				1,2,3,6,7,8-HxCDD	*0.611*	1000
				1,2,3,6,7,8-HxCDF	*0.738*	1000
				1,2,3,6,7,8-HxCDF	*0.285*	1000
				1,2,3,7,8,9-HxCDD	*0.806*	1000
				1,2,3,7,8,9-HxCDD	*0.415*	1000
				1,2,3,7,8,9-HxCDF	*0.308*	1000
				1,2,3,7,8-PeCDD	*0.352*	1000
				1,2,3,7,8-PeCDD	*0.212*	1000
				1,2,3,7,8-PeCDF	*0.826*	1000
				1,2,3,7,8-PeCDF	*0.198*	1000
				2,3,4,6,7,8-HxCDF	*0.939*	1000
				2,3,4,6,7,8-HxCDF	*0.301*	1000
				2,3,4,7,8-PeCDF	*1.62*	1000
				2,3,4,7,8-PeCDF	*0.531*	1000
				2,3,7,8-TCDD	*0.139*	1000
				2,3,7,8-TCDD	*0.126*	1000
				2,3,7,8-TCDF	*2.1*	1000
				2,3,7,8-TCDF	*0.79*	1000
				TEQ WHO1998 Bird ND=0	*5.02*	1000
				TEQ WHO1998 Bird ND=0	*1.89*	1000
				TEQ WHO1998 Fish ND=0	*2.03*	1000
				TEQ WHO1998 Fish ND=0	*0.905*	1000
				Total HpCDD	*27.8*	1000
				Total HpCDD	*24.8*	1000
				Total HpCDF	*9.88*	1000
				Total HpCDF	*5.65*	1000
				Total HxCDD	*10.8*	1000
				Total HxCDD	*4.86*	1000
				Total HxCDF	*10.6*	1000
				Total HxCDF	*4.24*	1000
				Total PeCDD	*5.68*	1000
				Total PeCDD	*1.75*	1000
				Total PeCDF	*14.8*	1000
				Total PeCDF	*6.97*	1000
				Total TCDD	*3.37*	1000
				Total TCDD	*0.9*	1000
				Total TCDF	*26.5*	1000
				Total TCDF	*10.3*	1000
				Total TEQ ND=0	*1.596*	1000
				Total TEQ ND=0	*0.539*	1000
LLCD44	LLCD44	0	12	*1,2,3,4,6,7,8,9-OCDD*	*135*	1000
				1,2,3,4,6,7,8,9-OCDD	*3.54*	1000
				1,2,3,4,6,7,8,9-OCDF	*8.4*	1000
				1,2,3,4,6,7,8,9-OCDF	*0.303*	1000
				1,2,3,4,6,7,8-HpCDD	*17.6*	1000
				1,2,3,4,6,7,8-HpCDD	*0.535*	1000
				1,2,3,4,6,7,8-HpCDF	*6.49*	1000
				1,2,3,4,6,7,8-HpCDF	*0.202*	1000
				1,2,3,4,7,8,9-HpCDF	0.858	1000
				1,2,3,4,7,8-HxCDD	0.385	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD44 (cont.)	LLCD44	0	12	*1,2,3,4,7,8-HxCDF*	*1.33*	1000
				1,2,3,4,7,8-HxCDF	*0.0701*	1000
				1,2,3,6,7,8-HxCDD	1.02	1000
				1,2,3,6,7,8-HxCDF	0.578	1000
				1,2,3,7,8,9-HxCDD	0.763	1000
				1,2,3,7,8,9-HxCDF	0.632	1000
				1,2,3,7,8-PeCDD	0.256	1000
				1,2,3,7,8-PeCDF	0.513	1000
				2,3,4,6,7,8-HxCDF	*0.705*	1000
				2,3,4,6,7,8-HxCDF	*0.0441*	1000
				2,3,4,7,8-PeCDF	*0.738*	1000
				2,3,4,7,8-PeCDF	*0.0762*	1000
				2,3,7,8-TCDD	*0.135*	1000
				2,3,7,8-TCDD	*0.102*	1000
				2,3,7,8-TCDF	*0.638*	1000
				2,3,7,8-TCDF	*0.2*	1000
				TEQ WHO1998 Bird ND=0	*2.05*	1000
				TEQ WHO1998 Bird ND=0	*0.279*	1000
				TEQ WHO1998 Fish ND=0	*1.18*	1000
				TEQ WHO1998 Fish ND=0	*0.0505*	1000
				Total HpCDD	*32*	1000
				Total HpCDD	*0.904*	1000
				Total HpCDF	*18*	1000
				Total HpCDF	*0.415*	1000
				Total HxCDD	*7.18*	1000
				Total HxCDD	*0.247*	1000
				Total HxCDF	*14.5*	1000
				Total HxCDF	*0.403*	1000
				Total PeCDD	1.81	1000
				Total PeCDF	*6.91*	1000
				Total PeCDF	*0.196*	1000
				Total TCDD	*0.84*	1000
				Total TCDD	*0.102*	1000
				Total TCDF	*4.86*	1000
				Total TCDF	*0.603*	1000
				Total TEQ ND=0	*0.60222*	1000
				Total TEQ ND=0	*0.001062*	1000
007-3126	LLCD49	36	48	1,2,3,4,6,7,8,9-OCDD	27.7	1000
				1,2,3,4,6,7,8,9-OCDF	1.77	1000
				1,2,3,4,6,7,8-HpCDD	4.26	1000
				1,2,3,4,6,7,8-HpCDF	1.08	1000
				1,2,3,4,7,8,9-HpCDF	0.129	1000
				1,2,3,4,7,8-HxCDF	0.26	1000
				1,2,3,6,7,8-HxCDF	0.187	1000
				1,2,3,7,8,9-HxCDF	0.127	1000
				1,2,3,7,8-PeCDD	0.157	1000
				1,2,3,7,8-PeCDF	0.167	1000
				2,3,4,6,7,8-HxCDF	0.177	1000
				2,3,4,7,8-PeCDF	0.326	1000
				2,3,7,8-TCDD	0.0845	1000
				TEQ WHO1998 Bird ND=0	1.44	1000

Table 4.4g
Dioxin/Furan Detections in Soil Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
007-3126 (cont.)	LLCD49	36	48	TEQ WHO1998 Fish ND=0	0.292	1000
				Total HpCDD	7.64	1000
				Total HpCDF	2.54	1000
				Total HxCDD	2.01	1000
				Total HxCDF	2.12	1000
				Total PeCDD	1.02	1000
				Total PeCDF	2.38	1000
				Total TCDD	0.664	1000
				Total TCDF	5.83	1000
				Total TEQ ND=0	0.216651	1000
007-3127	LLCD49	84	96	1,2,3,4,6,7,8,9-OCDD	9.29	1000
				1,2,3,4,6,7,8,9-OCDF	0.781	1000
				1,2,3,4,6,7,8-HpCDD	0.938	1000
				1,2,3,4,6,7,8-HpCDF	0.288	1000
				1,2,3,4,7,8-HxCDF	0.0708	1000
				1,2,3,6,7,8-HxCDD	0.0794	1000
				1,2,3,6,7,8-HxCDF	0.0708	1000
				1,2,3,7,8,9-HxCDD	0.0687	1000
				2,3,4,6,7,8-HxCDF	0.0515	1000
				2,3,4,7,8-PeCDF	0.15	1000
				2,3,7,8-TCDD	0.073	1000
				2,3,7,8-TCDF	0.487	1000
				TEQ WHO1998 Bird ND=0	0.728	1000
				TEQ WHO1998 Fish ND=0	0.19	1000
				Total HpCDD	1.68	1000
				Total HpCDF	0.715	1000
				Total HxCDD	1.42	1000
				Total HxCDF	0.507	1000
				Total PeCDD	0.0966	1000
				Total PeCDF	0.464	1000
				Total TCDD	0.367	1000
				Total TCDF	1.73	1000
				Total TEQ ND=0	0.194	1000

Notes:
Highlighted cells indicate results greater than the EPA Preliminary Remediation Goal for dioxins in Residential Soil
Results in italics indicate samples analyzed for the same chemical multiple times
EPA - U.S. Environmental Protection Agency
in - inches
ng/kg - nanograms per kilogram
NA - Not Available

Table 4.5
Soil Sample Exceedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD01	0	12	Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD					1830	1000
			Inorganics	LEAD			71.2	63		
			VOCs and SVOCs	Acetone	72.7	50				
LLCD01	12	24	Inorganics	COPPER			104	50		
			Inorganics	LEAD			463	63		
			Inorganics	MERCURY			0.348	0.18		
			Inorganics	ZINC			207	109		
			VOCs and SVOCs	Acetone	100	50				
			VOCs and SVOCs	Benzo(a)anthracene	2900	1000				
			VOCs and SVOCs	Benzo(a)pyrene	2800	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	2600	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	2310	800				
			VOCs and SVOCs	Chrysene	2830	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	737	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	1810	500				
LLCD02	0	12	Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD					5890	1000
			Dioxins and Furans	Total HpCDD					1400	1000
			Dioxins and Furans	Total PeCDF					1030	1000
			Inorganics	COPPER			61.7	50		
			Inorganics	LEAD			575	63		
			Inorganics	MERCURY			0.391	0.18		
			Inorganics	ZINC			415	109		
			VOCs and SVOCs	Acetone	163	50				
			VOCs and SVOCs	Benzo(a)anthracene	36200	1000				
			VOCs and SVOCs	Benzo(a)pyrene	27400	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	29100	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	20900	800				
			VOCs and SVOCs	Chrysene	36700	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	6400	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	14300	500				
LLCD02	12	24	Inorganics	ARSENIC			17.4	13		
			Inorganics	COPPER			68.9	50		
			Inorganics	LEAD			190	63		
			Inorganics	MERCURY			0.216	0.18		
			VOCs and SVOCs	Acetone	390	50				
			VOCs and SVOCs	Benzo(a)anthracene	8220	1000				
			VOCs and SVOCs	Benzo(a)pyrene	6350	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	7940	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	7190	800				
			VOCs and SVOCs	Chrysene	13300	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	1470	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	3640	500				
LLCD08	12	24	PCBs	Aroclor-1248	4100	100				
			PCBs	Aroclor-1260	546	100				
LLCD13	0	12	Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD					1020	1000
			Inorganics	COPPER			78.7	50		
			Inorganics	LEAD			112	63		
			Inorganics	MERCURY			1.5	0.18		
			Inorganics	ZINC			141	109		
			PCBs	Aroclor-1260	235	100				
			VOCs and SVOCs	Acetone	63.5	50				
			VOCs and SVOCs	Benzo(a)anthracene	3470	1000				
			VOCs and SVOCs	Benzo(a)pyrene	3260	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	3100	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	2540	800				
			VOCs and SVOCs	Chrysene	3420	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	778	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	1980	500				

Table 4.5
Soil Sample Exceedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD13	12	24	Inorganics	BARIUM			431	350		
			Inorganics	COPPER			76.4	50		
			Inorganics	LEAD			112	63		
			Inorganics	MERCURY			1.35	0.18		
			Inorganics	ZINC			138	109		
			PCBs	Aroclor-1260	164	100				
			VOCs and SVOCs	Acetone	124	50				
			VOCs and SVOCs	Benzo(a)anthracene	3620	1000				
			VOCs and SVOCs	Benzo(a)pyrene	3610	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	3470	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	2840	800				
			VOCs and SVOCs	Chrysene	3560	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	977	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	2320	500				
LLCD14	0	12	Inorganics	LEAD			306	63		
			Inorganics	MERCURY			0.297	0.18		
			PCBs	Aroclor-1248	116	100				
			VOCs and SVOCs	Acetone	103	50				
			VOCs and SVOCs	Benzo(a)anthracene	3460	1000				
			VOCs and SVOCs	Benzo(a)pyrene	3900	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	3920	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	2930	800				
			VOCs and SVOCs	Chrysene	3720	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	1060	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	2520	500				
LLCD14	12	24	Inorganics	MERCURY			0.193	0.18		
			VOCs and SVOCs	Acetone	89.1	50				
			VOCs and SVOCs	Benzo(a)anthracene	4980	1000				
			VOCs and SVOCs	Benzo(a)pyrene	5300	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	4610	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	4790	800				
			VOCs and SVOCs	Chrysene	5200	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	1410	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	3530	500				
LLCD17	0	12	Dioxins and Furans	1,2,3,4,6,7,8,9-OCDF					4250	1000
			Dioxins and Furans	1,2,3,4,6,7,8-HpCDF					2750	1000
			Dioxins and Furans	Total HpCDF					3050	1000
			Dioxins and Furans	Total HxCDF					2420	1000
			Dioxins and Furans	Total PeCDF					1740	1000
			Dioxins and Furans	Total TCDF					1380	1000
			Inorganics	LEAD			71.5	63		
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	655	500				
LLCD17	12	24	Inorganics	COPPER			110	50		
			Inorganics	LEAD			292	63		
			Inorganics	MERCURY			0.262	0.18		
			Inorganics	ZINC			113	109		
			VOCs and SVOCs	Acetone	57	50				
			VOCs and SVOCs	Benzo(a)anthracene	2190	1000				
			VOCs and SVOCs	Benzo(a)pyrene	2110	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	1950	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	1730	800				
			VOCs and SVOCs	Chrysene	2270	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	525	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	1340	500				
LLCD21	0	12	Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD					5050	1000
			Dioxins and Furans	Total HpCDD					1060	1000
			Inorganics	ARSENIC			17.3	13		
			Inorganics	CADMIUM			23.7	2.5		
			Inorganics	CHROMIUM			211	30		
			Inorganics	COPPER			188	50		

Table 4.5
Soil Sample Exceedances

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LLCD21 (cont.)	0	12	Inorganics	LEAD			113	63		
			Inorganics	MERCURY			0.956	0.18		
			Inorganics	SILVER			7.46	2		
			Inorganics	ZINC			389	109		
			PCBs	Aroclor-1248	2790	100				
			PCBs	Aroclor-1260	576	100				
			VOCs and SVOCs	Acetone	460	50				
			VOCs and SVOCs	Benzo(a)pyrene	1020	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	1120	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	886	800				
			VOCs and SVOCs	Chrysene	1180	1000				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	873	500				
LLCD21	12	24	Inorganics	ARSENIC			14.8	13		
			Inorganics	CADMIUM			35	2.5		
			Inorganics	CHROMIUM			342	30		
			Inorganics	COPPER			276	50		
			Inorganics	LEAD			154	63		
			Inorganics	MERCURY			1.3	0.18		
			Inorganics	SILVER			11.1	2		
			Inorganics	ZINC			565	109		
			PCBs	Aroclor-1248	4960	100				
			PCBs	Aroclor-1260	711	100				
			VOCs and SVOCs	Acetone	374	50				
			VOCs and SVOCs	Benzo(a)anthracene	1560	1000				
			VOCs and SVOCs	Benzo(a)pyrene	1670	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	1780	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	1520	800				
			VOCs and SVOCs	Chrysene	1840	1000				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	1250	500				
LLCD25	0	12	Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD					6600	1000
			Dioxins and Furans	Total HpCDD					1370	1000
			Dioxins and Furans	Total TCDF					1070	1000
			Inorganics	CADMIUM			19.3	2.5		
			Inorganics	CHROMIUM			293	30		
			Inorganics	COPPER			242	50		
			Inorganics	LEAD			116	63		
			Inorganics	MERCURY			1.09	0.18		
			Inorganics	SILVER			8.58	2		
			Inorganics	ZINC			280	109		
			PCBs	Aroclor-1248	8880	100				
			PCBs	Aroclor-1260	851	100				
			Pesticides	Endrin	27.6	14				
			VOCs and SVOCs	Acetone	479	50				
			VOCs and SVOCs	Benzo(a)anthracene	1360	1000				
			VOCs and SVOCs	Benzo(a)pyrene	1490	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	1590	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	1220	800				
			VOCs and SVOCs	Chrysene	1600	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	438	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	1060	500				
LLCD25	12	24	Inorganics	ARSENIC			13.7	13		
			Inorganics	CADMIUM			11	2.5		
			Inorganics	CHROMIUM			151	30		
			Inorganics	COPPER			165	50		
			Inorganics	LEAD			64.2	63		
			Inorganics	MERCURY			0.684	0.18		
			Inorganics	SILVER			5.66	2		
			Inorganics	ZINC			168	109		
			PCBs	Aroclor-1248	3050	100				
			PCBs	Aroclor-1260	303	100				
			VOCs and SVOCs	Acetone	501	50				
			VOCs and SVOCs	Benzo(a)anthracene	1110	1000				
			VOCs and SVOCs	Benzo(a)pyrene	1150	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	1080	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	1060	800				
			VOCs and SVOCs	Chrysene	1220	1000				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	796	500				

Table 4.5
Soil Sample Exceedances

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LLCD25	48	60	Inorganics	CADMIUM			4.89	2.5		
			Inorganics	CHROMIUM			44.2	30		
LLCD25	84	96	Inorganics	CADMIUM			5.13	2.5		
			Inorganics	CHROMIUM			45.4	30		
			Inorganics	MERCURY			0.196	0.18		
			VOCs and SVOCs	Acetone	252	50				
LLCD27	0	12	Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD					6130	1000
			Dioxins and Furans	Total HpCDD					1730	1000
			Dioxins and Furans	Total TCDF					1760	1000
			Inorganics	ARSENIC			16.9	13		
			Inorganics	CADMIUM			7.15	2.5		
			Inorganics	CHROMIUM			1270	30		
			Inorganics	COPPER			525	50		
			Inorganics	LEAD			234	63		
			Inorganics	MERCURY			0.819	0.18		
			Inorganics	SILVER			4.57	2		
			Inorganics	ZINC			398	109		
			PCBs	Aroclor-1248	2790	100				
			VOCs and SVOCs	Acetone	338	50				
			VOCs and SVOCs	Benzo(a)anthracene	2160	1000				
			VOCs and SVOCs	Benzo(a)pyrene	2960	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	3680	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	2460	800				
			VOCs and SVOCs	Chrysene	3170	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	897	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	2860	500				
LLCD27	12	24	Inorganics	CHROMIUM			56.1	30		
			Inorganics	COPPER			79	50		
			PCBs	Aroclor-1248	86100	100				
			PCBs	Aroclor-1260	2910	100				
			VOCs and SVOCs	Acetone	2030	50				
LLCD27	48	60	VOCs and SVOCs	Acetone	475	50				
LLCD27	84	96	VOCs and SVOCs	Acetone	292	50				
LLCD28	0	12	Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD					9080	1000
			Dioxins and Furans	Total HpCDD					1690	1000
			Inorganics	ARSENIC			13.2	13		
			Inorganics	BARIUM			358	350		
			Inorganics	CADMIUM			337	2.5		
			Inorganics	CHROMIUM			1320	30		
			Inorganics	COPPER			731	50		
			Inorganics	LEAD			238	63		
			Inorganics	MERCURY			4.11	0.18		
			Inorganics	SILVER			136	2		
			Inorganics	ZINC			2180	109		
			PCBs	Aroclor-1248	265	100				
			PCBs	Aroclor-1260	1090	100				
			Pesticides	Endrin	19.6	14				
			VOCs and SVOCs	Acetone	229	50				
			VOCs and SVOCs	Benzo(a)anthracene	2020	1000				
			VOCs and SVOCs	Benzo(a)pyrene	2270	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	2010	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	1960	800				
			VOCs and SVOCs	Chrysene	2220	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	629	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	1550	500				
LLCD28	12	24	Inorganics	CADMIUM			100	2.5		
			Inorganics	CHROMIUM			442	30		
			Inorganics	COPPER			284	50		
			Inorganics	LEAD			114	63		
			Inorganics	MERCURY			1.92	0.18		
			Inorganics	SILVER			44.5	2		
			Inorganics	ZINC			697	109		

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LLCD28 (cont.)	12	24	PCBs	Aroclor-1260	408	100				
			VOCs and SVOCs	Acetone	268	50				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	676	500				
LLCD29	12	24	PCBs	Aroclor-1248	13700	100				
			PCBs	Aroclor-1260	1670	100				
LLCD32	0	12	PCBs	Aroclor-1248	3300	100				
			PCBs	Aroclor-1260	930	100				
LLCD34	0	12	Inorganics	MERCURY			0.185	0.18		
			VOCs and SVOCs	Acetone	147	50				
LLCD34	12	24	Inorganics	ZINC			171	109		
			VOCs and SVOCs	Acetone	131	50				
LLCD35	0	12	Dioxins and Furans	1,2,3,4,6,7,8,9-OCDD					5730	1000
			Dioxins and Furans	Total HpCDD					1690	1000
			Dioxins and Furans	Total TCDF					2230	1000
			Inorganics	CADMIUM			3.33	2.5		
			Inorganics	CHROMIUM			686	30		
			Inorganics	COPPER			263	50		
			Inorganics	LEAD			199	63		
			Inorganics	MERCURY			0.767	0.18		
			Inorganics	SILVER			4.79	2		
			Inorganics	ZINC			328	109		
			PCBs	Aroclor-1248	40900	100				
			PCBs	Aroclor-1260	2140	100				
			Pesticides	Endrin	84	14				
			VOCs and SVOCs	Acetone	315	50				
			VOCs and SVOCs	Benzo(a)anthracene	2910	1000				
			VOCs and SVOCs	Benzo(a)pyrene	3070	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	3180	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	2660	800				
			VOCs and SVOCs	Chrysene	3390	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	2110	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	846	500				
LLCD35	12	24	Inorganics	CHROMIUM			243	30		
			Inorganics	COPPER			169	50		
			Inorganics	LEAD			118	63		
			Inorganics	MERCURY			0.845	0.18		
			Inorganics	SILVER			5.54	2		
			Inorganics	ZINC			223	109		
			PCBs	Aroclor-1248	11900	100				
			Pesticides	Endrin	21.9	14				
			VOCs and SVOCs	Acetone	221	50				
			VOCs and SVOCs	Benzo(a)anthracene	1410	1000				
			VOCs and SVOCs	Benzo(a)pyrene	1560	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	1570	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	1410	800				
			VOCs and SVOCs	Chrysene	1640	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	425	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	1150	500				
LLCD38	12	24	PCBs	Aroclor-1248	40200	100				
			PCBs	Aroclor-1260	2940	100				
LLCD39	0	12	VOCs and SVOCs	Acetone	83.2	50				
LLCD39	12	24	VOCs and SVOCs	Acetone	210	50				
			VOCs and SVOCs	Benzo(k)fluoranthene	830	800				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	537	500				
LLCD40	0	12	VOCs and SVOCs	Acetone	65.7	50				
LLCD40	12	24	Inorganics	COPPER			639	50		
			Inorganics	LEAD			66.2	63		
			Inorganics	ZINC			134	109		
			PCBs	Aroclor-1248	363	100				
			VOCs and SVOCs	Acetone	64.7	50				

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LLCD44	0	12	VOCs and SVOCs	Acetone	200	50				
LLCD44	12	24	VOCs and SVOCs	Acetone	85.5	50				
LLCD49	36	48	Inorganics	MERCURY			0.254	0.18		
			VOCs and SVOCs	Acetone	955	50				
LLCD49	84	96	VOCs and SVOCs	Acetone	942	50				
SB-1500	0	6	Inorganics	SELENIUM			5.2	3.9		
SB-1500	30	36	Inorganics	COPPER			1050	50		
			Inorganics	LEAD			236	63		
			Inorganics	MERCURY			3.5	0.18		
			Inorganics	NICKEL			38.4	30		
			Inorganics	SELENIUM			7.5	3.9		
SB-1500	54	60	Inorganics	COPPER			132	50		
			Inorganics	LEAD			121	63		
			Inorganics	MERCURY			0.61	0.18		
			Inorganics	SELENIUM			5.1	3.9		
			Inorganics	ZINC			225	109		
			PCBs	Aroclor-1254	260	100				
SB-1501	0	6	Inorganics	LEAD			64.3	63		
			Inorganics	SELENIUM			4.6	3.9		
			PCBs	Aroclor-1268	140	100				
SB-1501	30	36	Inorganics	SELENIUM			4.7	3.9		
SB-1501	54	60	Inorganics	COPPER			78.1	50		
			Inorganics	MERCURY			0.33	0.18		
			Inorganics	SELENIUM			4.2	3.9		
			Inorganics	ZINC			246	109		
			PCBs	Aroclor-1254	110	100				
SB-1503	0	6	PCBs	Aroclor-1254	140	100				
			PCBs	Aroclor-1268	100	100				
SB-1503	30	36	PCBs	Aroclor-1248	110000	100				
			PCBs	Aroclor-1254	42000	100				
SB-1503	54	60	PCBs	Aroclor-1248	28000	100				
			PCBs	Aroclor-1254	10000	100				
SB-1504	0	6	PCBs	Aroclor-1248	29000	100				
			PCBs	Aroclor-1254	10000	100				
SB-1504	30	36	PCBs	Aroclor-1248	450000	100				
			PCBs	Aroclor-1254	120000	100				
SB-1504	54	60	PCBs	Aroclor-1248	140000	100				
			PCBs	Aroclor-1254	37000	100				
SB-1505	0	6	PCBs	Aroclor-1248	280000	100				
			PCBs	Aroclor-1254	84000	100				
SB-1505	30	36	PCBs	Aroclor-1016	240	100				
			PCBs	Aroclor-1260	510	100				
SB-1505	54	60	PCBs	Aroclor-1248	110	100				
SB-1506	0	6	PCBs	Aroclor-1248	350000	100				
			PCBs	Aroclor-1254	170000	100				
SB-1506	30	36	PCBs	Aroclor-1248	4500	100				
			PCBs	Aroclor-1254	2100	100				
SB-1506	54	60	PCBs	Aroclor-1248	290	100				
			PCBs	Aroclor-1254	110	100				
SB-1507	0	6	PCBs	Aroclor-1248	160000	100				
			PCBs	Aroclor-1254	93000	100				

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SB-1507	30	36	PCBs	Aroclor-1248	2500	100				
			PCBs	Aroclor-1254	1100	100				
SB-1508	0	6	PCBs	Aroclor-1248	390	100				
			PCBs	Aroclor-1254	270	100				
SB-1508	30	36	PCBs	Aroclor-1248	36000	100				
			PCBs	Aroclor-1254	16000	100				
SB-1509	54	60	PCBs	Aroclor-1260	110	100				
SB-1510	0	6	PCBs	Aroclor-1248	7600	100				
			PCBs	Aroclor-1254	2200	100				
SB-1510	54	60	PCBs	Aroclor-1248	29000	100				
			PCBs	Aroclor-1254	6600	100				
SB-1511	0	6	PCBs	Aroclor-1248	240000	100				
			PCBs	Aroclor-1254	100000	100				
SB-1511	30	36	PCBs	Aroclor-1248	800	100				
			PCBs	Aroclor-1254	280	100				
SB-T1A	30	36	Inorganics	LEAD			80.1	63		
			PCBs	Aroclor-1254	130	100				
SB-T2A	30	36	Inorganics	COPPER			88.2	50		
			Inorganics	SELENIUM			4.9	3.9		
SB-T3A	54	60	Inorganics	COPPER			53.1	50		
			Inorganics	SELENIUM			6.4	3.9		
SB-T4A	0	6	Inorganics	COPPER			72	50		
SB-T4A	30	36	Inorganics	SELENIUM			4.7	3.9		
SB-T4A	54	60	Inorganics	BARIUM			814	350		
			Inorganics	CHROMIUM			46.6	30		
			Inorganics	COPPER			209	50		
			Inorganics	LEAD			315	63		
			Inorganics	MERCURY			0.29	0.18		
			Inorganics	NICKEL			142	30		
			Inorganics	SELENIUM			6.8	3.9		
			Inorganics	ZINC			296	109		
			PCBs	Aroclor-1260	380	100				
SP-01	0	6	Inorganics	CADMIUM			5.9	2.5		
			Inorganics	CHROMIUM			78.4	30		
			Inorganics	COPPER			84.2	50		
			Inorganics	LEAD			126	63		
			Inorganics	MERCURY			0.29	0.18		
			Inorganics	NICKEL			30.8	30		
			Inorganics	SILVER			2.7	2		
			Inorganics	ZINC			265	109		
			PCBs	Aroclor-1248	1200	100				
			VOCs and SVOCs	Benzo(a)anthracene	2800	1000				
			VOCs and SVOCs	Benzo(a)pyrene	3200	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	4500	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	2000	800				
			VOCs and SVOCs	Chrysene	3400	1000				
SP-01	6	12	Inorganics	CADMIUM			12.7	2.5		
			Inorganics	CHROMIUM			142	30		
			Inorganics	COPPER			120	50		
			Inorganics	LEAD			173	63		
			Inorganics	MERCURY			0.62	0.18		
			Inorganics	NICKEL			46	30		
			Inorganics	SILVER			5.3	2		
			Inorganics	ZINC			317	109		
			PCBs	Aroclor-1248	1700	100				
			Pesticides	4,4'-DDT	94	3.3				
			VOCs and SVOCs	Benzo(a)anthracene	1400	1000				
			VOCs and SVOCs	Benzo(a)pyrene	1700	1000				
			VOCs and SVOCs	Benzo(b)fluoranthene	2500	1000				
			VOCs and SVOCs	Benzo(k)fluoranthene	1100	800				

Table 4.5
Soil Sample Exceedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
SP-01 (cont.)	6	12	VOCs and SVOCs	Chrysene	1800	1000				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	1300	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	1900	500				
SP-01	18	24	Inorganics	CADMIUM			25.3	2.5		
			Inorganics	CHROMIUM			167	30		
			Inorganics	COPPER			133	50		
			Inorganics	LEAD			94.8	63		
			Inorganics	MERCURY			1.1	0.18		
			Inorganics	NICKEL			42.7	30		
			Inorganics	SILVER			9.7	2		
			Inorganics	ZINC			299	109		
			PCBs	Aroclor-1248	830	100				
			Pesticides	4,4'-DDT	54	3.3				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	530	500				
SP-02	0	6	Inorganics	CADMIUM			3.7	2.5		
			Inorganics	CHROMIUM			99.8	30		
			Inorganics	COPPER			91.3	50		
			Inorganics	LEAD			110	63		
			Inorganics	MERCURY			0.26	0.18		
			Inorganics	NICKEL			43.8	30		
			Inorganics	ZINC			287	109		
			PCBs	Aroclor-1248	370	100				
			Pesticides	4,4'-DDT	6.4	3.3				
			VOCs and SVOCs	Benzo(b)fluoranthene	1000	1000				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	790	500				
SP-02	6	12	Inorganics	CADMIUM			7.6	2.5		
			Inorganics	CHROMIUM			230	30		
			Inorganics	COPPER			147	50		
			Inorganics	LEAD			149	63		
			Inorganics	MERCURY			0.23	0.18		
			Inorganics	NICKEL			77	30		
			Inorganics	SILVER			3	2		
			Inorganics	ZINC			270	109		
			PCBs	Aroclor-1248	770	100				
			Pesticides	4,4'-DDT	20	3.3				
			VOCs and SVOCs	Acetone	78	50				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	330	330				
SP-02	18	24	Inorganics	CADMIUM			8.6	2.5		
			Inorganics	CHROMIUM			167	30		
			Inorganics	COPPER			112	50		
			Inorganics	LEAD			103	63		
			Inorganics	MERCURY			0.32	0.18		
			Inorganics	NICKEL			67.5	30		
			Inorganics	SILVER			2.2	2		
			Inorganics	ZINC			205	109		
			PCBs	Aroclor-1248	250	100				
			Pesticides	4,4'-DDT	14	3.3				
			Pesticides	Endrin	14	14				
			VOCs and SVOCs	Acetone	290	50				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	690	330				
SP-03	0	6	Inorganics	CADMIUM			5.9	2.5		
			Inorganics	CHROMIUM			112	30		
			Inorganics	COPPER			122	50		
			Inorganics	LEAD			135	63		
			Inorganics	MERCURY			0.26	0.18		
			Inorganics	NICKEL			56	30		
			Inorganics	SILVER			2.1	2		
			Inorganics	ZINC			402	109		
			PCBs	Aroclor-1248	230	100				
			Pesticides	4,4'-DDT	7.6	3.3				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	390	330				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	510	500				
SP-03	6	12	Inorganics	CADMIUM			11.2	2.5		
			Inorganics	CHROMIUM			379	30		
			Inorganics	COPPER			230	50		
			Inorganics	LEAD			229	63		
			Inorganics	MERCURY			0.43	0.18		
			Inorganics	NICKEL			99.1	30		
			Inorganics	SILVER			4.1	2		

Table 4.5
Soil Sample Exceedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
SP-03 (cont.)	6	12	Inorganics	ZINC			376	109		
			PCBs	Aroclor-1248	1600	100				
			Pesticides	4,4'-DDE	21	3.3				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	340	330				
SP-03	18	24	Inorganics	CADMIUM			12	2.5		
			Inorganics	CHROMIUM			368	30		
			Inorganics	COPPER			216	50		
			Inorganics	LEAD			257	63		
			Inorganics	MERCURY			0.62	0.18		
			Inorganics	NICKEL			113	30		
			Inorganics	SILVER			4.8	2		
			Inorganics	ZINC			378	109		
			PCBs	Aroclor-1248	1200	100				
			Pesticides	4,4'-DDE	13	3.3				
			VOCs and SVOCs	Acetone	110	50				
			VOCs and SVOCs	Dibenzo(a,h)anthracene	440	330				
SP-04	0	6	Inorganics	CHROMIUM			52	30		
			Inorganics	COPPER			78.8	50		
			Inorganics	LEAD			80	63		
			Inorganics	MERCURY			0.18	0.18		
			Inorganics	ZINC			268	109		
			PCBs	Aroclor-1242	310	100				
			Pesticides	4,4'-DDE	6.2	3.3				
			VOCs and SVOCs	Benzo(b)fluoranthene	1200	1000				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	740	500				
SP-04	6	12	Inorganics	CHROMIUM			65.4	30		
			Inorganics	COPPER			89.9	50		
			Inorganics	LEAD			115	63		
			Inorganics	ZINC			261	109		
			PCBs	Aroclor-1242	710	100				
			Pesticides	4,4'-DDE	10	3.3				
			Pesticides	4,4'-DDT	15	3.3				
			VOCs and SVOCs	Acetone	150	50				
			VOCs and SVOCs	Benzo(b)fluoranthene	1100	1000				
			VOCs and SVOCs	Indeno(1,2,3-cd)pyrene	640	500				
SP-04	18	24	Inorganics	CADMIUM			4.5	2.5		
			Inorganics	CHROMIUM			116	30		
			Inorganics	COPPER			123	50		
			Inorganics	LEAD			224	63		
			Inorganics	MERCURY			0.25	0.18		
			Inorganics	NICKEL			46.4	30		
			Inorganics	SILVER			3.2	2		
			Inorganics	ZINC			275	109		
			PCBs	Aroclor-1242	2800	100				
			Pesticides	4,4'-DDE	18	3.3				
			Pesticides	4,4'-DDT	21	3.3				
SP-05	0	6	Inorganics	CHROMIUM			122	30		
			Inorganics	COPPER			128	50		
			Inorganics	LEAD			104	63		
			Inorganics	MERCURY			0.27	0.18		
			Inorganics	NICKEL			43.8	30		
			Inorganics	SILVER			2.5	2		
			Inorganics	ZINC			306	109		
			PCBs	Aroclor-1242	490	100				
			Pesticides	4,4'-DDT	9.9	3.3				
			VOCs and SVOCs	Acetone	52	50				
SP-05	6	12	Inorganics	CADMIUM			3.5	2.5		
			Inorganics	CHROMIUM			154	30		
			Inorganics	COPPER			189	50		
			Inorganics	LEAD			176	63		
			Inorganics	MERCURY			0.91	0.18		
			Inorganics	NICKEL			61.3	30		
			Inorganics	SILVER			6.9	2		
			Inorganics	ZINC			291	109		
			PCBs	Aroclor-1242	520	100				
			Pesticides	4,4'-DDE	8.5	3.3				
			Pesticides	4,4'-DDT	4.8	3.3				
			VOCs and SVOCs	Acetone	72	50				

Table 4.5
Soil Sample Exceedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
SP-05	18	24	Inorganics	CADMIUM			5.3	2.5		
			Inorganics	CHROMIUM			419	30		
			Inorganics	COPPER			278	50		
			Inorganics	LEAD			254	63		
			Inorganics	MERCURY			0.98	0.18		
			Inorganics	NICKEL			124	30		
			Inorganics	SILVER			8.6	2		
			Inorganics	ZINC			368	109		
			PCBs	Aroclor-1242	2400	100				
			Pesticides	4,4'-DDE	12	3.3				
			Pesticides	4,4'-DDT	15	3.3				
			VOCs and SVOCs	Acetone	160	50				
SW-1A	0	6	Inorganics	CHROMIUM			30.5	30		
			Inorganics	COPPER			153	50		
			Inorganics	LEAD			97.3	63		
			Inorganics	MERCURY			0.21	0.18		
			Inorganics	NICKEL			39.4	30		
			Inorganics	ZINC			247	109		
			PCBs	Aroclor-1248	220	100				
SW-1B	6	12	PCBs	Aroclor-1248	340	100				
SW-2A	0	6	Inorganics	COPPER			144	50		
			Inorganics	LEAD			80.1	63		
			Inorganics	MERCURY			0.22	0.18		
			Inorganics	ZINC			201	109		
			PCBs	Aroclor-1248	300	100				
SW-3A	0	6	Inorganics	CHROMIUM			46.7	30		
			Inorganics	COPPER			58.6	50		
			Inorganics	LEAD			214	63		
			Inorganics	NICKEL			30.4	30		
			Inorganics	ZINC			169	109		
			PCBs	Aroclor-1248	2500	100				
SW-3B	6	12	Inorganics	CHROMIUM			92.8	30		
			Inorganics	COPPER			77	50		
			Inorganics	LEAD			175	63		
			Inorganics	MERCURY			0.22	0.18		
			Inorganics	NICKEL			45.9	30		
			Inorganics	ZINC			234	109		
			PCBs	Aroclor-1248	6500	100				
SW-4A	0	6	Inorganics	CADMIUM			5.9	2.5		
			Inorganics	CHROMIUM			57.6	30		
			Inorganics	COPPER			255	50		
			Inorganics	LEAD			289	63		
			Inorganics	MERCURY			0.43	0.18		
			Inorganics	NICKEL			125	30		
			Inorganics	ZINC			436	109		
			PCBs	Aroclor-1248	1000	100				
SW-4B	6	12	PCBs	Aroclor-1248	3600	100				
SW-5	0	6	PCBs	Aroclor-1248	170000	100				
			PCBs	Aroclor-1254	59000	100				
SW-5	30	36	Inorganics	CHROMIUM			77.8	30		
			Inorganics	COPPER			258	50		
			Inorganics	LEAD			129	63		
			Inorganics	MERCURY			1.1	0.18		
			Inorganics	NICKEL			46.7	30		
			Inorganics	SELENIUM			5.6	3.9		
			Inorganics	SILVER			11.8	2		
			Inorganics	ZINC			337	109		
SW-5A	0	6	Inorganics	ARSENIC			21.2	13		
			Inorganics	CADMIUM			14.5	2.5		
			Inorganics	CHROMIUM			3430	30		
			Inorganics	COPPER			874	50		
			Inorganics	LEAD			487	63		
			Inorganics	MERCURY			0.69	0.18		
			Inorganics	NICKEL			1230	30		
			Inorganics	SILVER			6.7	2		

Table 4.5
Soil Sample Exceedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
SW-5A (cont.)	0	6	Inorganics	ZINC			865	109		
			PCBs	Aroclor-1248	210000	100				
SW-5B	6	12	Inorganics	ARSENIC			17.1	13		
			Inorganics	CADMIUM			13.3	2.5		
			Inorganics	CHROMIUM			1960	30		
			Inorganics	COPPER			1130	50		
			Inorganics	LEAD			308	63		
			Inorganics	MERCURY			0.55	0.18		
			Inorganics	NICKEL			747	30		
			Inorganics	SILVER			11.7	2		
			Inorganics	ZINC			648	109		
			PCBs	Aroclor-1248	260000	100				
SW-6A	0	6	Inorganics	ARSENIC			15.4	13		
			Inorganics	CADMIUM			8.2	2.5		
			Inorganics	CHROMIUM			1710	30		
			Inorganics	COPPER			594	50		
			Inorganics	LEAD			442	63		
			Inorganics	MERCURY			0.54	0.18		
			Inorganics	NICKEL			735	30		
			Inorganics	SILVER			4.5	2		
			Inorganics	ZINC			572	109		
			PCBs	Aroclor-1248	230000	100				
SW-6B	6	12	Inorganics	ARSENIC			24.7	13		
			Inorganics	CADMIUM			12.8	2.5		
			Inorganics	CHROMIUM			5320	30		
			Inorganics	COPPER			1520	50		
			Inorganics	LEAD			589	63		
			Inorganics	MERCURY			0.73	0.18		
			Inorganics	NICKEL			1150	30		
			Inorganics	SILVER			10.6	2		
			Inorganics	ZINC			725	109		
			PCBs	Aroclor-1248	500000	100				
SW-7A	0	6	Inorganics	CHROMIUM			44.7	30		
			Inorganics	COPPER			158	50		
			Inorganics	LEAD			65.4	63		
			Inorganics	MANGANESE			1790	1600		
			Inorganics	ZINC			225	109		
			PCBs	Aroclor-1248	390	100				

Notes:
In cases where a sample was analyzed for the same chemical multiple times, only the highest concentration is presented in this table
in - inches
µg/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
ng/kg - nanograms per kilogram
NYS - New York State
EPA - U.S. Environmental Protection Agency
VOCs - volatile organic compounds
SVOCs - semivolatile organic compounds
PCBs - polychlorinated biphenyls

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Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1026	R3-8	6	12	4,4'-DDE	30	0.01
				alpha-BHC	0.73	NA
				beta-BHC	5.1	NA
				Endosulfan II	5.4	0.03
				Endrin aldehyde	5.4	NA
				Endrin ketone	5.4	NA
				gamma-BHC (Lindane)	97	NA
				Heptachlor	160	0.0008
				Heptachlor epoxide	22	0.0008
				Methoxychlor	28	0.6
007-1027	R3-8	18	24	4,4'-DDD	5.7	0.01
				4,4'-DDE	20	0.01
				alpha-BHC	0.36	NA
				beta-BHC	5.9	NA
				Dieldrin	19	0.1
				Endosulfan II	4.1	0.03
				Endrin	13	0.8
				Endrin aldehyde	4.1	NA
				gamma-BHC (Lindane)	190	NA
				Heptachlor	190	0.0008
				Heptachlor epoxide	26	0.0008
				Methoxychlor	21	0.6
007-1028	R3-8	30	36	4,4'-DDE	70	0.01
				alpha-BHC	25	NA
				beta-BHC	26	NA
				Dieldrin	88	0.1
				Endosulfan II	49	0.03
				Endrin	48	0.8
				Endrin aldehyde	49	NA
				gamma-BHC (Lindane)	990	NA
				Heptachlor	840	0.0008
				Heptachlor epoxide	98	0.0008
				Methoxychlor	40	0.6
007-1029	R3-8	42	48	4,4'-DDE	82	0.01
				alpha-BHC	30	NA
				beta-BHC	30	NA
				Dieldrin	98	0.1
				Endosulfan II	58	0.03
				Endrin	50	0.8
				Endrin aldehyde	58	NA
				gamma-BHC (Lindane)	930	NA
				Heptachlor	580	0.0008
				Heptachlor epoxide	110	0.0008
				Methoxychlor	300	0.6
007-1030	R3-8	54	60	4,4'-DDD	13	0.01
				4,4'-DDE	52	0.01
				alpha-BHC	2.7	NA
				Dieldrin	47	0.1
				Endosulfan II	6.2	0.03
				Endrin	20	0.8

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1030 (cont.)	R3-8	54	60	Endrin aldehyde	6.2	NA
				Endrin ketone	27	NA
				gamma-BHC (Lindane)	320	NA
				Heptachlor	530	0.0008
				Heptachlor epoxide	60	0.0008
				Methoxychlor	32	0.6
007-1031	R3-8	66	72	4,4'-DDD	22	0.01
				4,4'-DDE	75	0.01
				alpha-BHC	3.2	NA
				Dieldrin	99	0.1
				Endosulfan II	6.3	0.03
				Endrin	20	0.8
				Endrin aldehyde	6.3	NA
				Endrin ketone	22	NA
				gamma-BHC (Lindane)	370	NA
				Heptachlor	470	0.0008
				Heptachlor epoxide	54	0.0008
				Methoxychlor	32	0.6
007-1032	R3-8	78	84	4,4'-DDE	240	0.01
				alpha-BHC	28	NA
				Endosulfan II	54	0.03
				Endrin aldehyde	54	NA
				gamma-BHC (Lindane)	140	NA
				Heptachlor	1200	0.0008
				Heptachlor epoxide	110	0.0008
007-1033	R3-8	90	96	4,4'-DDE	100	0.01
				alpha-BHC	3	NA
				beta-BHC	5.1	NA
				Endosulfan II	6.8	0.03
				Endrin	27	0.8
				Endrin aldehyde	5.8	NA
				gamma-BHC (Lindane)	100	NA
				Heptachlor	470	0.0008
				Heptachlor epoxide	70	0.0008
				Methoxychlor	10	0.6
007-1039	R3-11	6	12	4,4'-DDT	47	0.01
				alpha-BHC	3	NA
				Endosulfan I	11	0.03
				Endosulfan II	5.8	0.03
				Endrin	9.8	0.8
				Endrin aldehyde	5.8	NA
				gamma-BHC (Lindane)	33	NA
				Heptachlor epoxide	19	0.0008
				Methoxychlor	30	0.6
007-1040	R3-11	18	24	4,4'-DDT	5.5	0.01
				beta-BHC	0.1	NA
				Endosulfan I	0.73	0.03
				Endosulfan II	4	0.03
				Endrin	1.6	0.8

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1040 (cont.)	R3-11	18	24	gamma-BHC (Lindane)	2	NA
				gamma-Chlordane	3.1	NA
				Heptachlor	5	0.0008
				Heptachlor epoxide	2	0.0008
				Methoxychlor	20	0.6
007-1041	R3-11	30	36	4,4'-DDD	4.2	0.01
				4,4'-DDT	4.2	0.01
				Endosulfan I	2.2	0.03
				Endrin	0.19	0.8
				Endrin aldehyde	4.2	NA
				gamma-BHC (Lindane)	0.49	NA
				gamma-Chlordane	2.2	NA
				Heptachlor epoxide	2.2	0.0008
				Methoxychlor	22	0.6
007-1042	R3-11	42	48	4,4'-DDD	4.1	0.01
				Endosulfan I	0.065	0.03
				gamma-BHC (Lindane)	0.5	NA
				Heptachlor	0.98	0.0008
				Heptachlor epoxide	2.1	0.0008
007-1043	R3-11	54	60	4,4'-DDE	0.18	0.01
				4,4'-DDT	0.27	0.01
				gamma-BHC (Lindane)	0.38	NA
				Heptachlor	0.91	0.0008
				Heptachlor epoxide	2.3	0.0008
007-1045	R2-11	6	12	4,4'-DDT	23	0.01
				Endosulfan I	5.1	0.03
				Endosulfan II	6.5	0.03
				Endrin	4.2	0.8
				gamma-BHC (Lindane)	4.6	NA
				Heptachlor epoxide	4.5	0.0008
007-1046	R2-11	18	24	4,4'-DDE	65	0.01
				4,4'-DDT	69	0.01
				Endosulfan I	19	0.03
				Endrin	11	0.8
				Endrin ketone	7.3	NA
				gamma-Chlordane	66	NA
				Methoxychlor	38	0.6
007-1047	R2-11	30	36	4,4'-DDD	4.1	0.01
				4,4'-DDT	8.5	0.01
				alpha-BHC	2.1	NA
				Endosulfan I	2.1	0.03
				Endosulfan II	4.1	0.03
				Endrin	4.1	0.8
				Endrin aldehyde	4.1	NA
				gamma-BHC (Lindane)	2.1	NA
				Methoxychlor	1.2	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1048	R2-11	42	48	4,4'-DDD	13	0.01
				Endrin	13	0.8
				gamma-BHC (Lindane)	6.9	NA
007-1049	R2-11	54	60	4,4'-DDE	7.7	0.01
				alpha-Chlordane	9.3	NA
				Endrin	18	0.8
				Endrin aldehyde	18	NA
				gamma-BHC (Lindane)	9.3	NA
				Methoxychlor	1.6	0.6
007-1050	R2-11	66	72	gamma-BHC (Lindane)	0.18	NA
007-1051	R2-15	6	12	4,4'-DDT	20	0.01
				alpha-BHC	2.8	NA
				Endosulfan I	2.8	0.03
				Endosulfan II	5.4	0.03
				Endrin	3.6	0.8
				gamma-BHC (Lindane)	3.7	NA
				Methoxychlor	28	0.6
007-1052	R2-15	18	24	alpha-BHC	2.9	NA
				Endosulfan II	5.6	0.03
				Endrin	4.9	0.8
				Endrin aldehyde	5.6	NA
				gamma-BHC (Lindane)	5.8	NA
				Methoxychlor	29	0.6
007-1053	R2-15	30	36	4,4'-DDD	5.5	0.01
				alpha-BHC	2.8	NA
				Endosulfan I	7.5	0.03
				Endosulfan II	5.5	0.03
				Endrin	6.2	0.8
				Endrin aldehyde	5.5	NA
				gamma-BHC (Lindane)	13	NA
				Heptachlor	24	0.0008
				Heptachlor epoxide	11	0.0008
				Methoxychlor	28	0.6
007-1054	R2-15	42	48	4,4'-DDD	9	0.01
				4,4'-DDE	23	0.01
				4,4'-DDT	45	0.01
				alpha-BHC	3.2	NA
				beta-BHC	32	NA
				Endosulfan I	10	0.03
				Endosulfan II	6.2	0.03
				Endosulfan sulfate	6.2	NA
				Endrin	8.2	0.8
				Endrin aldehyde	6.2	NA
				Endrin ketone	62	NA
				gamma-BHC (Lindane)	38	NA
				Heptachlor	89	0.0008
				Heptachlor epoxide	19	0.0008
				Methoxychlor	32	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1055	R2-15	54	60	alpha-BHC	3.8	NA
				Endosulfan II	7.4	0.03
				Endrin	3.9	0.8
				Endrin aldehyde	7.4	NA
				gamma-BHC (Lindane)	4.9	NA
				Heptachlor epoxide	4.9	0.0008
				Methoxychlor	38	0.6
007-1056	R2-15	66	72	4,4'-DDT	9.1	0.01
				Endosulfan II	8.6	0.03
				Endrin	8.6	0.8
				gamma-BHC (Lindane)	4.4	NA
				Heptachlor	4.4	0.0008
				Methoxychlor	1.2	0.6
007-1057	R2-15	78	84	4,4'-DDD	6.1	0.01
				Endrin ketone	6.1	NA
				gamma-BHC (Lindane)	3.2	NA
				Heptachlor	0.42	0.0008
				Heptachlor epoxide	3.2	0.0008
007-1058	R2-7	6	12	4,4'-DDD	17	0.01
				Endrin ketone	0.9	NA
				gamma-BHC (Lindane)	0.99	NA
				Heptachlor epoxide	8.9	0.0008
007-1059	R2-7	18	24	4,4'-DDD	14	0.01
				Endrin ketone	0.66	NA
				gamma-BHC (Lindane)	0.53	NA
007-1060	R2-7	30	36	4,4'-DDT	18	0.01
007-1062	R2-7	54	60	4,4'-DDT	0.64	0.01
007-1063	R3-3	6	12	4,4'-DDE	20	0.01
				4,4'-DDT	29	0.01
				Endosulfan I	10	0.03
				Endosulfan II	6.8	0.03
				Endrin	6.8	0.8
				Endrin aldehyde	6.8	NA
				gamma-BHC (Lindane)	8.9	NA
				Heptachlor	16	0.0008
				Methoxychlor	35	0.6
007-1064	R3-3	18	24	4,4'-DDE	23	0.01
				4,4'-DDT	35	0.01
				Endosulfan I	13	0.03
				Endosulfan II	5.6	0.03
				Endrin	5.7	0.8
				Endrin aldehyde	5.6	NA
				gamma-BHC (Lindane)	19	NA
				Heptachlor	31	0.0008
				Methoxychlor	29	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1065	R3-3	30	36	4,4'-DDE	28	0.01
				4,4'-DDT	53	0.01
				Endosulfan I	17	0.03
				Endosulfan II	5.5	0.03
				Endrin	10	0.8
				Endrin aldehyde	5.5	NA
				Endrin ketone	5.5	NA
				gamma-BHC (Lindane)	39	NA
				Heptachlor	91	0.0008
				Heptachlor epoxide	16	0.0008
				Methoxychlor	28	0.6
007-1066	R3-3	42	48	4,4'-DDE	47	0.01
				4,4'-DDT	99	0.01
				Endosulfan I	26	0.03
				Endosulfan II	5.5	0.03
				Endrin	13	0.8
				Endrin aldehyde	5.5	NA
				Endrin ketone	5.5	NA
				gamma-BHC (Lindane)	260	NA
				Heptachlor	290	0.0008
				Heptachlor epoxide	35	0.0008
				Methoxychlor	28	0.6
007-1067	R3-3	54	60	4,4'-DDE	11	0.01
				4,4'-DDT	8.6	0.01
				Endosulfan II	8.6	0.03
				Endrin	8.6	0.8
				Endrin aldehyde	8.6	NA
				gamma-BHC (Lindane)	42	NA
				Heptachlor	22	0.0008
				Heptachlor epoxide	12	0.0008
				Methoxychlor	44	0.6
007-1068	R3-3	66	72	4,4'-DDD	13	0.01
				4,4'-DDE	24	0.01
				4,4'-DDT	41	0.01
				Endosulfan II	8.1	0.03
				Endrin	8.1	0.8
				Endrin aldehyde	10	NA
				gamma-BHC (Lindane)	130	NA
				Heptachlor	66	0.0008
				Heptachlor epoxide	26	0.0008
				Methoxychlor	42	0.6
007-1069	R3-3	78	84	4,4'-DDE	12	0.01
				4,4'-DDT	10	0.01
				Endosulfan II	10	0.03
				Endrin	10	0.8
				Endrin aldehyde	8.4	NA
				gamma-BHC (Lindane)	37	NA
				Heptachlor	24	0.0008
				Heptachlor epoxide	13	0.0008
				Methoxychlor	54	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1070	R3-3	90	96	4,4'-DDE	23	0.01
				4,4'-DDT	48	0.01
				Endosulfan II	11	0.03
				Endrin	11	0.8
				Endrin aldehyde	18	NA
				gamma-BHC (Lindane)	74	NA
				Heptachlor	54	0.0008
				Heptachlor epoxide	20	0.0008
				Methoxychlor	55	0.6
007-1071	R3-12	6	12	4,4'-DDE	16	0.01
				4,4'-DDT	28	0.01
				Endosulfan II	5.4	0.03
				Endrin	5.7	0.8
				Endrin aldehyde	5.4	NA
				gamma-BHC (Lindane)	15	NA
				Heptachlor	15	0.0008
				Heptachlor epoxide	5.6	0.0008
				Methoxychlor	28	0.6
007-1072	R3-12	18	24	4,4'-DDE	37	0.01
				4,4'-DDT	97	0.01
				alpha-BHC	1.5	NA
				Endosulfan I	23	0.03
				Endosulfan II	6.2	0.03
				Endrin	24	0.8
				Endrin aldehyde	6.2	NA
				Endrin ketone	6.2	NA
				gamma-BHC (Lindane)	270	NA
				Heptachlor	250	0.0008
				Heptachlor epoxide	43	0.0008
				Methoxychlor	32	0.6
007-1073	R3-12	30	36	4,4'-DDE	46	0.01
				4,4'-DDT	76	0.01
				Endosulfan I	16	0.03
				Endosulfan II	13	0.03
				Endrin	13	0.8
				Endrin aldehyde	13	NA
				gamma-BHC (Lindane)	24	NA
				Heptachlor	39	0.0008
				Heptachlor epoxide	11	0.0008
				Methoxychlor	65	0.6
007-1074	R3-12	42	48	4,4'-DDE	39	0.01
				4,4'-DDT	70	0.01
				Endosulfan I	10	0.03
				Endosulfan II	15	0.03
				Endrin	15	0.8
				gamma-BHC (Lindane)	14	NA
				Heptachlor	13	0.0008
				Heptachlor epoxide	7.7	0.0008
				Methoxychlor	77	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1075	R3-12	54	60	4,4'-DDE	13	0.01
				4,4'-DDT	9.1	0.01
				alpha-BHC	4.7	NA
				Endosulfan II	9.1	0.03
				Endrin	9.1	0.8
				gamma-BHC (Lindane)	5.7	NA
				Heptachlor	9.6	0.0008
				Heptachlor epoxide	4.7	0.0008
				Methoxychlor	47	0.6
007-1076	R3-12	66	72	4,4'-DDE	7	0.01
				4,4'-DDT	7	0.01
				Endosulfan II	7	0.03
				gamma-BHC (Lindane)	3.6	NA
				Heptachlor	2.4	0.0008
				Heptachlor epoxide	3.6	0.0008
007-1077	R3-12	78	84	Endrin ketone	4.1	NA
R1-1A	R1-1	0	6	4,4'-DDD	4.9	0.01
				beta-BHC	2.5	NA
				Endosulfan II	4.9	0.03
				Endrin aldehyde	4.9	NA
				Heptachlor epoxide	2.5	0.0008
R1-1B	R1-1	6	12	4,4'-DDD	5.7	0.01
				Dieldrin	5.7	0.1
				Endosulfan I	3	0.03
				Endosulfan II	5.7	0.03
				Endosulfan sulfate	5.7	NA
				Endrin aldehyde	6.2	NA
				Heptachlor epoxide	3	0.0008
R1-1C	R1-1	18	24	4,4'-DDD	4.3	0.01
				4,4'-DDE	4.3	0.01
				beta-BHC	2.2	NA
				Endosulfan II	4.3	0.03
				Endosulfan sulfate	4.3	NA
				Endrin aldehyde	4.3	NA
				Endrin ketone	4.3	NA
				Heptachlor	2.2	0.0008
R1-2A	R1-2	0	6	4,4'-DDD	4.8	0.01
				4,4'-DDT	4.3	0.01
				Endosulfan I	2.5	0.03
				Endosulfan II	4.8	0.03
				Endrin aldehyde	9.1	NA
				Endrin ketone	4.8	NA
				Heptachlor	2.5	0.0008
				Heptachlor epoxide	3.4	0.0008
				Methoxychlor	25	0.6
R1-2B	R1-2	6	12	4,4'-DDD	6.2	0.01
				alpha-BHC	2.3	NA

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R1-2B (cont.)	R1-2	6	12	beta-BHC	6.5	NA
				Endosulfan sulfate	4.5	NA
				Endrin aldehyde	4.5	NA
				Heptachlor epoxide	2.3	0.0008
				Methoxychlor	23	0.6
R1-2C	R1-2	18	24	4,4'-DDD	5.2	0.01
				beta-BHC	2.7	NA
				Endosulfan II	5.2	0.03
				Endrin aldehyde	5.2	NA
				gamma-Chlordane	2.7	NA
				Heptachlor	2.7	0.0008
				Heptachlor epoxide	2.7	0.0008
				Methoxychlor	27	0.6
R1-3A	R1-3	0	6	4,4'-DDD	4.9	0.01
				Endosulfan II	4.9	0.03
				Endrin aldehyde	4.9	NA
				Heptachlor	0.2	0.0008
				Heptachlor epoxide	2.5	0.0008
R1-3B	R1-3	6	12	4,4'-DDD	5.4	0.01
				4,4'-DDE	5.4	0.01
				beta-BHC	2.8	NA
				Endosulfan II	5.4	0.03
				Endosulfan sulfate	5.4	NA
				Endrin ketone	5.4	NA
R1-3C	R1-3	18	24	4,4'-DDD	0.49	0.01
				4,4'-DDE	4.1	0.01
				beta-BHC	2.1	NA
				Endosulfan II	4.1	0.03
				Endosulfan sulfate	4.1	NA
				Endrin aldehyde	4.1	NA
				Endrin ketone	4.1	NA
				Heptachlor epoxide	2.1	0.0008
R1-4A	R1-4	0	6	4,4'-DDE	5.5	0.01
				4,4'-DDT	5.5	0.01
				beta-BHC	2.9	NA
				gamma-BHC (Lindane)	2.9	NA
				Heptachlor	2.9	0.0008
				Methoxychlor	29	0.6
R1-4B	R1-4	6	12	beta-BHC	2.8	NA
				Heptachlor	2.8	0.0008
				Heptachlor epoxide	2.8	0.0008
R1-4C	R1-4	18	24	beta-BHC	3	NA
				Heptachlor epoxide	3	0.0008
R2-10A	R2-10	0	6	Endosulfan II	6.7	0.03
				Endrin aldehyde	6.7	NA
				gamma-BHC (Lindane)	3.4	NA

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-10A (cont.)	R2-10	0	6	Heptachlor epoxide	8.6	0.0008
				Methoxychlor	34	0.6
R2-10B	R2-10	6	12	4,4'-DDD	6.5	0.01
				4,4'-DDE	6.5	0.01
				Endosulfan II	6.5	0.03
				Endrin	6.5	0.8
				Endrin aldehyde	6.5	NA
				gamma-BHC (Lindane)	3.4	NA
				Heptachlor	3.7	0.0008
				Heptachlor epoxide	3.4	0.0008
				Methoxychlor	34	0.6
R2-10C	R2-10	18	24	4,4'-DDE	18	0.01
				4,4'-DDT	16	0.01
				Endosulfan II	5.1	0.03
				Endrin	5.1	0.8
				Endrin aldehyde	5.1	NA
				Endrin ketone	5.1	NA
				gamma-BHC (Lindane)	5.5	NA
R2-11A	R2-11	0	6	4,4'-DDE	5.6	0.01
				4,4'-DDT	5.6	0.01
				beta-BHC	2.9	NA
				Endosulfan II	5.6	0.03
				Endrin	5.6	0.8
				Endrin aldehyde	5.6	NA
				gamma-BHC (Lindane)	2.9	NA
				Heptachlor	4.1	0.0008
				Methoxychlor	29	0.6
R2-11B	R2-11	6	12	4,4'-DDT	17	0.01
				Endosulfan II	6.5	0.03
				Endrin	6.5	0.8
				Endrin ketone	6.5	NA
				gamma-BHC (Lindane)	3.7	NA
				Heptachlor epoxide	3.9	0.0008
				Methoxychlor	34	0.6
R2-11C	R2-11	18	24	4,4'-DDT	55	0.01
				Endosulfan I	8.5	0.03
				Endosulfan II	6.9	0.03
				Endrin	11	0.8
				Endrin ketone	6.9	NA
				gamma-Chlordane	46	NA
				Methoxychlor	35	0.6
R2-12A	R2-12	0	6	4,4'-DDD	20	0.01
				4,4'-DDE	8.5	0.01
				4,4'-DDT	25	0.01
				Dieldrin	5.6	0.1
				Endosulfan II	5.6	0.03
				Endrin	6.9	0.8
				Endrin aldehyde	14	NA

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-12A (cont.)	R2-12	0	6	gamma-Chlordane	31	NA
				Heptachlor epoxide	7	0.0008
				Methoxychlor	37	0.6
R2-12B	R2-12	6	12	4,4'-DDD	28	0.01
				4,4'-DDE	10	0.01
				4,4'-DDT	160	0.01
				Aldrin	41	0.1
				alpha-Chlordane	13	NA
				delta-BHC	58	NA
				Dieldrin	50	0.1
				Endosulfan I	26	0.03
				Endosulfan II	50	0.03
				Endrin	11	0.8
				Endrin aldehyde	16	NA
				gamma-BHC (Lindane)	3.9	NA
				gamma-Chlordane	200	NA
				Heptachlor epoxide	26	0.0008
				Methoxychlor	280	0.6
R2-12C	R2-12	18	24	4,4'-DDD	21	0.01
				4,4'-DDE	16	0.01
				4,4'-DDT	33	0.01
				Aldrin	11	0.1
				alpha-BHC	4.4	NA
				beta-BHC	4.4	NA
				Dieldrin	24	0.1
				Endosulfan I	4.6	0.03
				Endrin	6.4	0.8
				Endrin aldehyde	17	NA
				Endrin ketone	5.4	NA
				gamma-Chlordane	27	NA
				Methoxychlor	28	0.6
R2-13A	R2-13	0	6	4,4'-DDT	9	0.01
				Endosulfan II	7.9	0.03
				Endrin aldehyde	16	NA
				gamma-BHC (Lindane)	5.1	NA
				Methoxychlor	29	0.6
R2-13B	R2-13	6	12	4,4'-DDT	4.6	0.01
				Endosulfan II	4.6	0.03
				Endrin aldehyde	4.6	NA
				gamma-BHC (Lindane)	2.4	NA
				Heptachlor	1	0.0008
				Heptachlor epoxide	2.4	0.0008
R2-13C	R2-13	18	24	4,4'-DDE	5.3	0.01
				4,4'-DDT	7.5	0.01
				Endosulfan II	7.3	0.03
				Endrin	5.3	0.8
				gamma-BHC (Lindane)	2.7	NA

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-14A	R2-14	0	6	4,4'-DDT	5.5	0.01
				Endosulfan II	11	0.03
				gamma-BHC (Lindane)	2.9	NA
				Heptachlor epoxide	8.6	0.0008
				Methoxychlor	29	0.6
R2-14B	R2-14	6	12	4,4'-DDE	5.1	0.01
				4,4'-DDT	8.4	0.01
				beta-BHC	2.6	NA
				Endosulfan II	5.1	0.03
				Endrin	5.1	0.8
				Endrin aldehyde	9.6	NA
				gamma-BHC (Lindane)	2.6	NA
				Heptachlor epoxide	2.6	0.0008
				Methoxychlor	26	0.6
R2-14C	R2-14	18	24	4,4'-DDE	10	0.01
				4,4'-DDT	13	0.01
				Endosulfan II	5.4	0.03
				Endrin	5.4	0.8
				Endrin ketone	5.4	NA
				gamma-BHC (Lindane)	3.2	NA
				Heptachlor epoxide	3.1	0.0008
R2-15A	R2-15	0	6	beta-BHC	21	NA
				Dieldrin	110	0.1
				Endosulfan I	2.1	0.03
				Endosulfan II	41	0.03
				Endrin	28	0.8
				Endrin aldehyde	250	NA
				Endrin ketone	14	NA
				Heptachlor	3.9	0.0008
				Heptachlor epoxide	4.3	0.0008
R2-15B	R2-15	6	12	4,4'-DDT	44	0.01
				Dieldrin	17	0.1
				Endosulfan I	3	0.03
				Endosulfan II	4.7	0.03
				Endrin aldehyde	16	NA
				gamma-BHC (Lindane)	6.1	NA
				gamma-Chlordane	24	NA
				Heptachlor	6.9	0.0008
				Heptachlor epoxide	3.7	0.0008
				Methoxychlor	51	0.6
R2-15C	R2-15	18	24	4,4'-DDE	3.3	0.01
				beta-BHC	1.7	NA
				Endosulfan II	3.3	0.03
				Endrin	3.3	0.8
				Endrin aldehyde	3.3	NA
				gamma-BHC (Lindane)	1.7	NA
				Heptachlor epoxide	1.7	0.0008
				Methoxychlor	17	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-16A	R2-16	0	6	4,4'-DDT	12	0.01
				alpha-BHC	2.4	NA
				Endosulfan II	4.7	0.03
				Endrin	8.7	0.8
				Endrin ketone	5.9	NA
				gamma-Chlordane	11	NA
				Heptachlor	4.1	0.0008
				Heptachlor epoxide	3	0.0008
				Methoxychlor	24	0.6
R2-16B	R2-16	6	12	4,4'-DDE	4.7	0.01
				alpha-BHC	0.61	NA
				beta-BHC	2.4	NA
				Endosulfan II	4.7	0.03
				Endrin aldehyde	4.7	NA
				gamma-BHC (Lindane)	2.4	NA
				Heptachlor epoxide	2.4	0.0008
				Methoxychlor	24	0.6
R2-16C	R2-16	18	24	4,4'-DDE	6	0.01
				4,4'-DDT	9.9	0.01
				alpha-BHC	2.5	NA
				Endosulfan II	4.8	0.03
				Endrin	4.8	0.8
				Endrin aldehyde	4.8	NA
				gamma-BHC (Lindane)	3.3	NA
				Heptachlor epoxide	2.6	0.0008
				Methoxychlor	25	0.6
R2-17A	R2-17	0	6	4,4'-DDT	5.1	0.01
				beta-BHC	3.1	NA
				Endosulfan II	5.9	0.03
				Endrin	5.9	0.8
				Endrin aldehyde	5.9	NA
				Endrin ketone	5.9	NA
				Heptachlor	3.1	0.0008
				Heptachlor epoxide	3.1	0.0008
				Methoxychlor	31	0.6
R2-17B	R2-17	6	12	4,4'-DDE	5.5	0.01
				beta-BHC	2.8	NA
				Endosulfan II	5.5	0.03
				Endrin aldehyde	5.5	NA
				gamma-BHC (Lindane)	2.8	NA
				Heptachlor	2.6	0.0008
				Heptachlor epoxide	2.8	0.0008
				Methoxychlor	28	0.6
R2-17C	R2-17	18	24	4,4'-DDE	5.1	0.01
				beta-BHC	2.6	NA
				Endosulfan II	5.1	0.03
				Endrin aldehyde	5.1	NA
				gamma-BHC (Lindane)	2.6	NA

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-17C (cont.)	R2-17	18	24	Heptachlor	1.2	0.0008
				Methoxychlor	26	0.6
R2-1A	R2-1	0	6	4,4'-DDE	6.6	0.01
				4,4'-DDT	17	0.01
				Endosulfan I	2.5	0.03
				Endosulfan II	4.8	0.03
				Endrin	4.8	0.8
				Endrin ketone	4.8	NA
				Heptachlor	3.7	0.0008
				Heptachlor epoxide	3.4	0.0008
				Methoxychlor	25	0.6
R2-1B	R2-1	6	12	4,4'-DDE	7.3	0.01
				beta-BHC	3.7	NA
				Endosulfan I	3.7	0.03
				Endosulfan II	7.2	0.03
				Endrin aldehyde	7.2	NA
				Heptachlor	3.7	0.0008
				Heptachlor epoxide	3.7	0.0008
				Methoxychlor	37	0.6
R2-1C	R2-1	18	24	4,4'-DDD	16	0.01
				4,4'-DDE	6.4	0.01
				alpha-Chlordane	3.1	NA
				beta-BHC	2.9	NA
				Dieldrin	5.5	0.1
				Endosulfan II	5.5	0.03
				Endrin aldehyde	5.5	NA
				gamma-Chlordane	5.9	NA
				Heptachlor	2.9	0.0008
				Heptachlor epoxide	2.9	0.0008
				Methoxychlor	29	0.6
R2-2A	R2-2	0	6	4,4'-DDT	6.8	0.01
				beta-BHC	3.5	NA
				delta-BHC	3.5	NA
				Endosulfan II	6.8	0.03
				Endosulfan sulfate	0.74	NA
				Endrin	6.8	0.8
				Heptachlor epoxide	3.5	0.0008
				Methoxychlor	35	0.6
R2-2B	R2-2	6	12	4,4'-DDT	4.6	0.01
				beta-BHC	3.8	NA
				Endosulfan II	7.3	0.03
				Endrin	7.3	0.8
				Heptachlor	3.8	0.0008
				Heptachlor epoxide	3.8	0.0008
				Methoxychlor	38	0.6
R2-2C	R2-2	18	24	delta-BHC	3.3	NA
				Endosulfan II	0.21	0.03
				Heptachlor epoxide	3.3	0.0008

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-3A	R2-3	0	6	4,4'-DDE	7.8	0.01
				Endosulfan II	7.8	0.03
				gamma-BHC (Lindane)	0.093	NA
				Heptachlor	4	0.0008
				Heptachlor epoxide	4	0.0008
R2-3B	R2-3	6	12	4,4'-DDT	8.3	0.01
				Endosulfan II	8.3	0.03
				Endrin aldehyde	8.3	NA
				Heptachlor	4.3	0.0008
R2-3C	R2-3	18	24	delta-BHC	3.6	NA
R2-4A	R2-4	0	6	4,4'-DDE	8.5	0.01
				beta-BHC	4.4	NA
				Endosulfan II	8.5	0.03
				Endrin aldehyde	8.5	NA
				gamma-BHC (Lindane)	9	NA
				Heptachlor	9.6	0.0008
				Heptachlor epoxide	4.4	0.0008
R2-4B	R2-4	6	12	Endosulfan II	8.1	0.03
				Endrin aldehyde	8.1	NA
				Endrin ketone	0.65	NA
				gamma-BHC (Lindane)	4.2	NA
				Heptachlor epoxide	4.2	0.0008
R2-4C	R2-4	18	24	4,4'-DDD	14	0.01
				beta-BHC	7.4	NA
				delta-BHC	7.4	NA
				Endosulfan II	14	0.03
				Endrin aldehyde	14	NA
				Heptachlor	7.4	0.0008
				Heptachlor epoxide	7.4	0.0008
R2-5A	R2-5	0	6	4,4'-DDE	10	0.01
				beta-BHC	5.1	NA
				Endosulfan II	10	0.03
				Endrin aldehyde	10	NA
				Heptachlor	5.1	0.0008
				Heptachlor epoxide	5.1	0.0008
R2-5B	R2-5	6	12	4,4'-DDD	15	0.01
				Endosulfan II	15	0.03
				Endrin	15	0.8
				Endrin aldehyde	15	NA
				Heptachlor	8	0.0008
R2-5C	R2-5	18	24	4,4'-DDD	9.7	0.01
				Endosulfan I	5	0.03
				Endosulfan II	9.7	0.03
				Endrin aldehyde	9.7	NA
				Heptachlor	5	0.0008
				Heptachlor epoxide	5	0.0008

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-6A	R2-6	0	6	4,4'-DDD	12	0.01
				Endosulfan II	12	0.03
				Endrin aldehyde	12	NA
				gamma-Chlordane	6.4	NA
				Heptachlor	6.4	0.0008
R2-6B	R2-6	6	12	4,4'-DDD	16	0.01
				alpha-Chlordane	8.4	NA
				beta-BHC	8.4	NA
				Endosulfan I	8.4	0.03
				Endosulfan II	16	0.03
				Endrin	16	0.8
				Endrin aldehyde	16	NA
				gamma-Chlordane	8.4	NA
				Heptachlor	8.4	0.0008
				Heptachlor epoxide	8.4	0.0008
R2-6C	R2-6	18	24	alpha-Chlordane	7.5	NA
				beta-BHC	7.5	NA
				Endosulfan I	7.5	0.03
				Endosulfan II	14	0.03
				Endrin aldehyde	14	NA
				Heptachlor	7.5	0.0008
				Heptachlor epoxide	7.5	0.0008
R2-7A	R2-7	0	6	4,4'-DDE	11	0.01
				Endosulfan I	5.5	0.03
				Endosulfan II	3.1	0.03
				Endrin	11	0.8
				Endrin aldehyde	11	NA
				gamma-Chlordane	5.5	NA
				Heptachlor	5.5	0.0008
				Heptachlor epoxide	5.5	0.0008
R2-7B	R2-7	6	12	4,4'-DDE	14	0.01
				alpha-Chlordane	0.27	NA
				beta-BHC	7.1	NA
				Endosulfan II	14	0.03
				Endrin aldehyde	14	NA
				gamma-Chlordane	7.1	NA
				Heptachlor epoxide	7.1	0.0008
R2-7C	R2-7	18	24	delta-BHC	8.7	NA
				Endosulfan II	17	0.03
				gamma-BHC (Lindane)	8.7	NA
				Heptachlor epoxide	8.7	0.0008
R2-8A	R2-8	0	6	4,4'-DDD	6.3	0.01
				4,4'-DDT	6.3	0.01
				Endosulfan II	6.3	0.03
				Endrin aldehyde	6.3	NA
				Heptachlor epoxide	3.3	0.0008

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-8B	R2-8	6	12	4,4'-DDE	7.3	0.01
				4,4'-DDT	5.7	0.01
				Endosulfan II	7.3	0.03
				Endrin	7.3	0.8
				Endrin aldehyde	7.3	NA
				gamma-BHC (Lindane)	3.8	NA
				Heptachlor	3.8	0.0008
				Heptachlor epoxide	3.8	0.0008
				Methoxychlor	38	0.6
R2-8C	R2-8	18	24	4,4'-DDE	11	0.01
				4,4'-DDT	18	0.01
				Endosulfan II	6.3	0.03
				Endrin	6.3	0.8
				Endrin aldehyde	6.3	NA
				Endrin ketone	6.3	NA
				gamma-BHC (Lindane)	7	NA
				Heptachlor epoxide	9.3	0.0008
R2-9A	R2-9	0	6	4,4'-DDT	6.2	0.01
				beta-BHC	3.2	NA
				delta-BHC	3.2	NA
				Endosulfan II	6.2	0.03
				Endrin aldehyde	6.2	NA
				gamma-BHC (Lindane)	3.2	NA
				Heptachlor	2	0.0008
				Heptachlor epoxide	5.8	0.0008
				Methoxychlor	32	0.6
R2-9B	R2-9	6	12	4,4'-DDE	6.2	0.01
				alpha-BHC	3.2	NA
				beta-BHC	3.2	NA
				Endosulfan II	6.2	0.03
				Endrin aldehyde	6.2	NA
				gamma-BHC (Lindane)	3.2	NA
				Heptachlor	3.2	0.0008
				Heptachlor epoxide	3.2	0.0008
				Methoxychlor	32	0.6
R2-9C	R2-9	18	24	4,4'-DDE	30	0.01
				4,4'-DDT	31	0.01
				Endosulfan II	5.9	0.03
				Endrin	5.9	0.8
				Endrin aldehyde	8.9	NA
				Endrin ketone	5.9	NA
				gamma-BHC (Lindane)	10	NA
R3-10A	R3-10	0	6	4,4'-DDD	11	0.01
				4,4'-DDT	4.9	0.01
				Endosulfan II	8.2	0.03
				gamma-BHC (Lindane)	2.5	NA
				Heptachlor	4.3	0.0008
				Heptachlor epoxide	2.5	0.0008
				Methoxychlor	25	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-10B	R3-10	6	12	4,4'-DDT	4.3	0.01
				Endosulfan II	4.3	0.03
				Endrin aldehyde	4.3	NA
				gamma-BHC (Lindane)	4.7	NA
				Heptachlor	7.6	0.0008
				Heptachlor epoxide	3.9	0.0008
				Methoxychlor	22	0.6
R3-10C	R3-10	18	24	4,4'-DDD	5.6	0.01
				4,4'-DDE	4.1	0.01
				alpha-BHC	0.23	NA
				Endosulfan I	2.1	0.03
				Endosulfan II	4.1	0.03
				gamma-BHC (Lindane)	5.1	NA
				Heptachlor	3.3	0.0008
				Heptachlor epoxide	2.1	0.0008
				Methoxychlor	21	0.6
R3-11A	R3-11	0	6	4,4'-DDE	28	0.01
				4,4'-DDT	84	0.01
				alpha-BHC	0.97	NA
				beta-BHC	26	NA
				Endosulfan I	19	0.03
				Endosulfan II	6.1	0.03
				Endrin	19	0.8
				Endrin aldehyde	50	NA
				Endrin ketone	5	NA
				gamma-BHC (Lindane)	97	NA
				Heptachlor	180	0.0008
				Heptachlor epoxide	34	0.0008
				Methoxychlor	26	0.6
R3-11B	R3-11	6	12	4,4'-DDE	46	0.01
				4,4'-DDT	140	0.01
				alpha-BHC	2.6	NA
				beta-BHC	39	NA
				Endosulfan I	31	0.03
				Endosulfan II	13	0.03
				Endrin	32	0.8
				Endrin aldehyde	10	NA
				Endrin ketone	7.5	NA
				gamma-BHC (Lindane)	230	NA
				Heptachlor	420	0.0008
				Heptachlor epoxide	72	0.0008
				Methoxychlor	39	0.6
R3-11C	R3-11	18	24	4,4'-DDE	11	0.01
				4,4'-DDT	24	0.01
				Endosulfan II	3.9	0.03
				Endrin	5.5	0.8
				Endrin aldehyde	3.9	NA
				gamma-BHC (Lindane)	10	NA
				Heptachlor epoxide	14	0.0008
				Methoxychlor	20	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-1A	R3-1	0	6	4,4'-DDE	11	0.01
				4,4'-DDT	34	0.01
				Endosulfan I	2.9	0.03
				Endosulfan II	5.6	0.03
				Endrin	17	0.8
				Endrin aldehyde	5.6	NA
				Endrin ketone	5.6	NA
				gamma-Chlordane	27	NA
				Heptachlor	8.5	0.0008
				Heptachlor epoxide	2.9	0.0008
				Methoxychlor	31	0.6
R3-1B	R3-1	6	12	4,4'-DDT	34	0.01
				Endosulfan I	3.1	0.03
				Endosulfan II	6	0.03
				Endrin	18	0.8
				Endrin aldehyde	6	NA
				Endrin ketone	6	NA
				gamma-Chlordane	18	NA
				Heptachlor	6.2	0.0008
				Heptachlor epoxide	3.1	0.0008
				Methoxychlor	38	0.6
R3-1C	R3-1	18	24	4,4'-DDT	18	0.01
				beta-BHC	3.2	NA
				Endosulfan I	3.2	0.03
				Endosulfan II	6.3	0.03
				Endrin	6.7	0.8
				Endrin aldehyde	6.3	NA
				Endrin ketone	6.3	NA
				Heptachlor	11	0.0008
				Methoxychlor	32	0.6
R3-2A	R3-2	0	6	4,4'-DDT	14	0.01
				Endosulfan I	3	0.03
				Endosulfan II	5.9	0.03
				Endrin	5.9	0.8
				Endrin aldehyde	6.2	NA
				Heptachlor	3	0.0008
				Heptachlor epoxide	4.4	0.0008
				Methoxychlor	30	0.6
R3-2B	R3-2	6	12	4,4'-DDE	10	0.01
				4,4'-DDT	23	0.01
				Endosulfan II	5.6	0.03
				Endrin	20	0.8
				Endrin aldehyde	6.4	NA
				Endrin ketone	24	NA
				gamma-Chlordane	20	NA
				Heptachlor	11	0.0008
				Heptachlor epoxide	3.6	0.0008
				Methoxychlor	50	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-2C	R3-2	18	24	4,4'-DDE	12	0.01
				4,4'-DDT	24	0.01
				beta-BHC	2.5	NA
				Endosulfan II	4.9	0.03
				Endrin	4.9	0.8
				Endrin aldehyde	8.2	NA
				gamma-BHC (Lindane)	16	NA
				Heptachlor epoxide	8.6	0.0008
				Methoxychlor	25	0.6
R3-3A	R3-3	0	6	4,4'-DDE	13	0.01
				4,4'-DDT	25	0.01
				Endosulfan II	6.8	0.03
				Endrin	8	0.8
				Endrin aldehyde	21	NA
				Heptachlor	12	0.0008
				Methoxychlor	35	0.6
R3-3B	R3-3	6	12	4,4'-DDE	5.8	0.01
				4,4'-DDT	12	0.01
				beta-BHC	2.5	NA
				Endosulfan II	4.9	0.03
				Endrin	4.9	0.8
				Endrin aldehyde	5.3	NA
				gamma-BHC (Lindane)	7.3	NA
				Heptachlor	13	0.0008
				Heptachlor epoxide	3.9	0.0008
				Methoxychlor	25	0.6
R3-3C	R3-3	18	24	4,4'-DDE	17	0.01
				4,4'-DDT	43	0.01
				beta-BHC	5.8	NA
				Endosulfan II	5.9	0.03
				Endrin	9.4	0.8
				Endrin aldehyde	14	NA
				Endrin ketone	5.9	NA
				gamma-BHC (Lindane)	130	NA
				Heptachlor	110	0.0008
				Heptachlor epoxide	21	0.0008
R3-4A	R3-4	0	6	4,4'-DDE	7	0.01
				4,4'-DDT	24	0.01
				beta-BHC	2.6	NA
				Endosulfan II	5.1	0.03
				Endrin	12	0.8
				Endrin aldehyde	5.1	NA
				Endrin ketone	5.1	NA
				gamma-Chlordane	14	NA
				Heptachlor	6.4	0.0008
				Heptachlor epoxide	2.6	0.0008
				Methoxychlor	29	0.6
R3-4B	R3-4	6	12	4,4'-DDE	12	0.01
				4,4'-DDT	38	0.01

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-4B (cont.)	R3-4	6	12	beta-BHC	3	NA
				Endosulfan II	5.9	0.03
				Endrin	17	0.8
				Endrin aldehyde	6.4	NA
				Heptachlor	12	0.0008
				Heptachlor epoxide	3	0.0008
				Methoxychlor	39	0.6
R3-4C	R3-4	18	24	4,4'-DDE	13	0.01
				4,4'-DDT	20	0.01
				beta-BHC	2.8	NA
				Endosulfan II	5.5	0.03
				Endrin	5.5	0.8
				Endrin aldehyde	7	NA
				gamma-BHC (Lindane)	8.6	NA
				Heptachlor epoxide	4.4	0.0008
				Methoxychlor	28	0.6
R3-5A	R3-5	0	6	4,4'-DDE	12	0.01
				4,4'-DDT	17	0.01
				Endosulfan I	5.2	0.03
				Endosulfan II	4.1	0.03
				gamma-Chlordane	20	NA
				Heptachlor	14	0.0008
				Heptachlor epoxide	2.1	0.0008
				Methoxychlor	21	0.6
R3-5B	R3-5	6	12	4,4'-DDE	18	0.01
				4,4'-DDT	18	0.01
				Endosulfan I	4.6	0.03
				Endosulfan II	4.6	0.03
				gamma-BHC (Lindane)	38	NA
				gamma-Chlordane	29	NA
				Heptachlor	27	0.0008
				Heptachlor epoxide	2.4	0.0008
				Methoxychlor	24	0.6
R3-5C	R3-5	18	24	4,4'-DDE	15	0.01
				4,4'-DDT	42	0.01
				Endosulfan I	10	0.03
				Endosulfan II	5.1	0.03
				Endrin	8.7	0.8
				Endrin aldehyde	51	NA
				gamma-BHC (Lindane)	36	NA
				Heptachlor	81	0.0008
				Heptachlor epoxide	16	0.0008
				Methoxychlor	26	0.6
R3-6A MS/MSD	R3-6	0	6	4,4'-DDT	8.7	0.01
				Endosulfan II	3.9	0.03
				gamma-BHC (Lindane)	4.6	NA
				Heptachlor	4.3	0.0008
				Heptachlor epoxide	2	0.0008
				Methoxychlor	20	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-6B MS/MSD	R3-6	6	12	4,4'-DDE	24	0.01
				4,4'-DDT	8.2	0.01
				Endosulfan II	*1.2*	**0.03**
				Endosulfan II	*5.4*	**0.03**
				Endrin	8.4	0.8
				Endrin aldehyde	5.4	NA
				Endrin ketone	5.4	NA
				gamma-BHC (Lindane)	*2.5*	*NA*
				gamma-BHC (Lindane)	*10*	*NA*
				Heptachlor epoxide	2	0.0008
				Methoxychlor	*20*	*0.6*
				Methoxychlor	*28*	*0.6*
R3-7A	R3-7	0	6	4,4'-DDT	8.9	0.01
				Endosulfan II	4.4	0.03
				gamma-BHC (Lindane)	9.2	NA
				Heptachlor	21	0.0008
				Heptachlor epoxide	6.8	0.0008
				Methoxychlor	23	0.6
R3-7B	R3-7	6	12	4,4'-DDT	15	0.01
				alpha-BHC	4.2	NA
				Endosulfan II	4.4	0.03
				Heptachlor	23	0.0008
				Heptachlor epoxide	8.4	0.0008
				Methoxychlor	23	0.6
R3-7C	R3-7	18	24	4,4'-DDE	23	0.01
				4,4'-DDT	37	0.01
				alpha-BHC	0.6	NA
				Endosulfan II	4.2	0.03
				Endrin	6.8	0.8
				Endrin aldehyde	4.2	NA
				gamma-BHC (Lindane)	14	NA
				Methoxychlor	22	0.6
R3-8A	R3-8	0	6	4,4'-DDE	19	0.01
				beta-BHC	2.2	NA
				Endosulfan II	4.3	0.03
				Endrin	6.4	0.8
				Endrin aldehyde	5.5	NA
				gamma-BHC (Lindane)	26	NA
				Heptachlor	22	0.0008
				Heptachlor epoxide	11	0.0008
				Methoxychlor	22	0.6
R3-8B	R3-8	6	12	4,4'-DDE	4.3	0.01
				beta-BHC	2.1	NA
				Endosulfan II	4.1	0.03
				Endrin aldehyde	4.1	NA
				gamma-BHC (Lindane)	16	NA
				Heptachlor	13	0.0008
				Heptachlor epoxide	3.6	0.0008
				Methoxychlor	21	0.6

Table 4.6a
Pesticide Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-8C	R3-8	18	24	4,4'-DDE	22	0.01
				4,4'-DDT	75	0.01
				beta-BHC	2.6	NA
				Endosulfan II	5	0.03
				Endrin	50	0.8
				Endrin aldehyde	5	NA
				Endrin ketone	50	NA
				gamma-BHC (Lindane)	48	NA
				Heptachlor	70	0.0008
				Heptachlor epoxide	14	0.0008
				Methoxychlor	26	0.6
R3-9A	R3-9	0	6	4,4'-DDE	18	0.01
				4,4'-DDT	120	0.01
				alpha-BHC	1.3	NA
				Endosulfan II	57	0.03
				Endrin	22	0.8
				Endrin aldehyde	57	NA
				Endrin ketone	57	NA
				gamma-BHC (Lindane)	390	NA
				Heptachlor	210	0.0008
				Heptachlor epoxide	70	0.0008
				Methoxychlor	290	0.6
R3-9B	R3-9	6	12	4,4'-DDE	18	0.01
				4,4'-DDT	61	0.01
				alpha-BHC	0.83	NA
				Endosulfan I	13	0.03
				Endosulfan II	5	0.03
				Endrin	16	0.8
				Endrin aldehyde	4.7	NA
				Endrin ketone	4.7	NA
				gamma-BHC (Lindane)	210	NA
				Heptachlor	160	0.0008
				Heptachlor epoxide	34	0.0008
				Methoxychlor	24	0.6
R3-9C	R3-9	18	24	4,4'-DDE	8.7	0.01
				4,4'-DDT	27	0.01
				Endosulfan I	5.7	0.03
				Endosulfan II	5	0.03
				Endrin	6.1	0.8
				Endrin aldehyde	5	NA
				Endrin ketone	5	NA
				gamma-BHC (Lindane)	97	NA
				Heptachlor	41	0.0008
				Heptachlor epoxide	15	0.0008
				Methoxychlor	26	0.6

Notes:
Highlighted cells indicate results greater than the NYS Sediment Criteria
Results in italics indicate samples analyzed for the same chemical multiple times
NYS - New York State
in - inches
µg/kg - micrograms per kilogram
NA - Not Available

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Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1016	R1-1	0	6	ALUMINUM	6070	NA
				ANTIMONY	14.2	2.0
				ARSENIC	5.4	6.0
				BARIUM	112	NA
				BERYLLIUM	1.2	NA
				CADMIUM	5.9	0.6
				CALCIUM	75100	NA
				CHROMIUM	67.4	26.0
				COBALT	4.9	NA
				COPPER	83.8	16.0
				IRON	17200	NA
				LEAD	82.7	31.0
				MAGNESIUM	11900	NA
				MANGANESE	389	460.0
				NICKEL	25.2	16.0
				POTASSIUM	1310	NA
				SILVER	0.94	1.0
				SODIUM	1180	NA
				VANADIUM	18	NA
				ZINC	296	120.0
007-1017	R2-16	0	6	ALUMINUM	14000	NA
				ANTIMONY	7.4	2.0
				ARSENIC	3.1	6.0
				BARIUM	255	NA
				BERYLLIUM	0.7	NA
				CADMIUM	1.7	0.6
				CALCIUM	39500	NA
				CHROMIUM	16.6	26.0
				COBALT	3	NA
				COPPER	26.2	16.0
				IRON	9950	NA
				LEAD	15.5	31.0
				MAGNESIUM	6040	NA
				MANGANESE	516	460.0
				NICKEL	15.7	16.0
				POTASSIUM	550	NA
				SODIUM	8400	NA
				THALLIUM	3.1	NA
				VANADIUM	4.8	NA
				ZINC	107	120.0
007-1018	R2-13	0	6	ALUMINUM	4620	NA
				ANTIMONY	10.4	2.0
				ARSENIC	4.3	6.0
				BARIUM	81.8	NA
				BERYLLIUM	0.87	NA
				CADMIUM	5.7	0.6
				CALCIUM	32400	NA
				CHROMIUM	51.6	26.0
				COBALT	4.8	NA
				COPPER	57.1	16.0
				IRON	10300	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1018 (cont.)	R2-13	0	6	LEAD	45.2	31.0
				MAGNESIUM	5640	NA
				MANGANESE	191	460.0
				NICKEL	20.4	16.0
				POTASSIUM	786	NA
				SILVER	0.45	1.0
				SODIUM	868	NA
				VANADIUM	11.1	NA
				ZINC	198	120.0
007-1019	R2-2	0	6	ALUMINUM	7870	NA
				ANTIMONY	13.6	2.0
				ARSENIC	6.1	6.0
				BARIUM	101	NA
				BERYLLIUM	1.1	NA
				CADMIUM	5.8	0.6
				CALCIUM	87600	NA
				CHROMIUM	70.5	26.0
				COBALT	5.6	NA
				COPPER	94.1	16.0
				IRON	16800	NA
				LEAD	64	31.0
				MAGNESIUM	10400	NA
				MANGANESE	307	460.0
				NICKEL	26.6	16.0
				POTASSIUM	1440	NA
				SELENIUM	1.1	NA
				SILVER	1.3	1.0
				SODIUM	2230	NA
				THALLIUM	5.6	NA
				VANADIUM	19.7	NA
				ZINC	253	120.0
007-1020	R2-12	0	6	ALUMINUM	5260	NA
				ANTIMONY	12.1	2.0
				ARSENIC	6.7	6.0
				BARIUM	119	NA
				BERYLLIUM	1	NA
				CADMIUM	5.3	0.6
				CALCIUM	46600	NA
				CHROMIUM	51.2	26.0
				COBALT	5.1	NA
				COPPER	66.1	16.0
				IRON	15100	NA
				LEAD	86.6	31.0
				MAGNESIUM	9000	NA
				MANGANESE	283	460.0
				NICKEL	22.4	16.0
				POTASSIUM	1050	NA
				SILVER	0.7	1.0
				SODIUM	1900	NA
				THALLIUM	5.1	NA
				VANADIUM	14.6	NA
				ZINC	310	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1021	R2-8	0	6	ALUMINUM	7520	NA
				ANTIMONY	13.1	2.0
				ARSENIC	5.6	6.0
				BARIUM	112	NA
				BERYLLIUM	1.1	NA
				CADMIUM	6.4	0.6
				CALCIUM	65500	NA
				CHROMIUM	94.2	26.0
				COBALT	5.8	NA
				COPPER	105	16.0
				IRON	17000	NA
				LEAD	87.8	31.0
				MAGNESIUM	13000	NA
				MANGANESE	354	460.0
				NICKEL	34.4	16.0
				POTASSIUM	1460	NA
				SILVER	2.1	1.0
				SODIUM	1090	NA
				VANADIUM	19.8	NA
				ZINC	342	120.0
007-1022	R3-9	0	6	ALUMINUM	2540	NA
				ANTIMONY	7.2	2.0
				ARSENIC	3	6.0
				BARIUM	22.2	NA
				BERYLLIUM	0.6	NA
				CADMIUM	1.3	0.6
				CALCIUM	70800	NA
				CHROMIUM	14.8	26.0
				COBALT	3.1	NA
				COPPER	194	16.0
				IRON	8550	NA
				LEAD	15.9	31.0
				MAGNESIUM	12800	NA
				MANGANESE	255	460.0
				NICKEL	8.7	16.0
				POTASSIUM	563	NA
				SILVER	0.14	1.0
				SODIUM	598	NA
				VANADIUM	6	NA
				ZINC	185	120.0
007-1023	R3-3	0	6	ALUMINUM	3690	NA
				ANTIMONY	7.9	2.0
				ARSENIC	3	6.0
				BARIUM	62.6	NA
				BERYLLIUM	0.66	NA
				CADMIUM	1	0.6
				CALCIUM	59000	NA
				CHROMIUM	41.5	26.0
				COBALT	4.6	NA
				COPPER	77.8	16.0
				IRON	8980	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1023 (cont.)	R3-3	0	6	LEAD	84.3	31.0
				MAGNESIUM	11400	NA
				MANGANESE	185	460.0
				NICKEL	22.3	16.0
				POTASSIUM	788	NA
				SILVER	0.24	1.0
				SODIUM	661	NA
				VANADIUM	8.4	NA
				ZINC	133	120.0
007-1024	R3-11	0	6	ALUMINUM	2890	NA
				ANTIMONY	7.7	2.0
				ARSENIC	2.4	6.0
				BARIUM	33.3	NA
				BERYLLIUM	0.64	NA
				CADMIUM	0.76	0.6
				CALCIUM	49800	NA
				CHROMIUM	31.9	26.0
				COBALT	2.7	NA
				COPPER	37.3	16.0
				IRON	7560	NA
				LEAD	30.8	31.0
				MAGNESIUM	7810	NA
				MANGANESE	191	460.0
				NICKEL	14.2	16.0
				POTASSIUM	621	NA
				SILVER	0.33	1.0
				SODIUM	641	NA
				VANADIUM	7.7	NA
				ZINC	108	120.0
007-1025	R3-5	0	6	ALUMINUM	2860	NA
				ANTIMONY	7.5	2.0
				ARSENIC	2.3	6.0
				BARIUM	24.9	NA
				BERYLLIUM	0.62	NA
				CADMIUM	0.76	0.6
				CALCIUM	85800	NA
				CHROMIUM	20.4	26.0
				COBALT	3.4	NA
				COPPER	102	16.0
				IRON	7570	NA
				LEAD	32.9	31.0
				MAGNESIUM	15700	NA
				MANGANESE	206	460.0
				NICKEL	12.6	16.0
				POTASSIUM	645	NA
				SILVER	0.075	1.0
				SODIUM	622	NA
				VANADIUM	6.8	NA
				ZINC	81.6	120.0
007-1026	R3-8	6	12	ALUMINUM	4300	NA
				ANTIMONY	9	2.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1026 (cont.)	R3-8	6	12	ARSENIC	6.4	6.0
				BARIUM	62.8	NA
				BERYLLIUM	0.75	NA
				CADMIUM	1.9	0.6
				CALCIUM	33800	NA
				CHROMIUM	138	26.0
				COBALT	3.5	NA
				COPPER	100	16.0
				IRON	11600	NA
				LEAD	106	31.0
				MAGNESIUM	6890	NA
				MANGANESE	210	460.0
				NICKEL	47.4	16.0
				POTASSIUM	796	NA
				SILVER	1.2	1.0
				SODIUM	751	NA
				VANADIUM	13.3	NA
				ZINC	160	120.0
007-1027	R3-8	18	24	ALUMINUM	5900	NA
				ANTIMONY	9.1	2.0
				ARSENIC	6.4	6.0
				BARIUM	86.4	NA
				BERYLLIUM	0.76	NA
				CADMIUM	4.4	0.6
				CALCIUM	44600	NA
				CHROMIUM	324	26.0
				COBALT	4.8	NA
				COPPER	170	16.0
				IRON	13700	NA
				LEAD	157	31.0
				MAGNESIUM	10600	NA
				MANGANESE	253	460.0
				NICKEL	106	16.0
				POTASSIUM	1100	NA
				SILVER	2.9	1.0
				SODIUM	762	NA
				VANADIUM	19.6	NA
				ZINC	288	120.0
007-1028	R3-8	30	36	ALUMINUM	4920	NA
				ANTIMONY	8.8	2.0
				ARSENIC	6.5	6.0
				BARIUM	79.5	NA
				BERYLLIUM	0.73	NA
				CADMIUM	4.2	0.6
				CALCIUM	42100	NA
				CHROMIUM	677	26.0
				COBALT	4.5	NA
				COPPER	327	16.0
				IRON	12500	NA
				LEAD	134	31.0
				MAGNESIUM	7790	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1028 (cont.)	R3-8	30	36	MANGANESE	213	460.0
				NICKEL	191	16.0
				POTASSIUM	919	NA
				SILVER	2.2	1.0
				SODIUM	733	NA
				THALLIUM	3.7	NA
				VANADIUM	17.9	NA
				ZINC	288	120.0
007-1029	R3-8	42	48	ALUMINUM	6420	NA
				ANTIMONY	10.6	2.0
				ARSENIC	8.2	6.0
				BARIUM	112	NA
				BERYLLIUM	0.89	NA
				CADMIUM	6.5	0.6
				CALCIUM	40100	NA
				CHROMIUM	533	26.0
				COBALT	5.4	NA
				COPPER	302	16.0
				IRON	16000	NA
				LEAD	180	31.0
				MAGNESIUM	10400	NA
				MANGANESE	291	460.0
				NICKEL	207	16.0
				POTASSIUM	1190	NA
				SELENIUM	0.89	NA
				SILVER	3.6	1.0
				SODIUM	887	NA
				THALLIUM	4.4	NA
				VANADIUM	22.4	NA
				ZINC	377	120.0
007-1030	R3-8	54	60	ALUMINUM	7240	NA
				ANTIMONY	9.6	2.0
				ARSENIC	8.5	6.0
				BARIUM	107	NA
				BERYLLIUM	0.8	NA
				CADMIUM	4.8	0.6
				CALCIUM	44100	NA
				CHROMIUM	488	26.0
				COBALT	5.8	NA
				COPPER	242	16.0
				IRON	18000	NA
				LEAD	164	31.0
				MAGNESIUM	10800	NA
				MANGANESE	245	460.0
				NICKEL	164	16.0
				POTASSIUM	1230	NA
				SILVER	2.8	1.0
				SODIUM	804	NA
				THALLIUM	4	NA
				VANADIUM	19	NA
				ZINC	292	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1031	R3-8	66	72	ALUMINUM	7170	NA
				ANTIMONY	10.6	2.0
				ARSENIC	10.3	6.0
				BARIUM	137	NA
				BERYLLIUM	0.88	NA
				CADMIUM	5.4	0.6
				CALCIUM	45700	NA
				CHROMIUM	844	26.0
				COBALT	6.1	NA
				COPPER	353	16.0
				IRON	16800	NA
				LEAD	189	31.0
				MAGNESIUM	10400	NA
				MANGANESE	234	460.0
				NICKEL	272	16.0
				POTASSIUM	1290	NA
				SELENIUM	0.71	NA
				SILVER	3.5	1.0
				SODIUM	882	NA
				THALLIUM	4.4	NA
				VANADIUM	21.2	NA
				ZINC	343	120.0
007-1032	R3-8	78	84	ALUMINUM	10600	NA
				ANTIMONY	11	2.0
				ARSENIC	17.9	6.0
				BARIUM	170	NA
				BERYLLIUM	0.92	NA
				CADMIUM	14.5	0.6
				CALCIUM	52000	NA
				CHROMIUM	1010	26.0
				COBALT	8.5	NA
				COPPER	398	16.0
				IRON	23700	NA
				LEAD	381	31.0
				MAGNESIUM	15700	NA
				MANGANESE	320	460.0
				NICKEL	270	16.0
				POTASSIUM	1980	NA
				SILVER	5.2	1.0
				SODIUM	920	NA
				THALLIUM	4.6	NA
				VANADIUM	30.6	NA
				ZINC	693	120.0
007-1033	R3-8	90	96	ALUMINUM	7640	NA
				ANTIMONY	9.7	2.0
				ARSENIC	14.5	6.0
				BARIUM	186	NA
				BERYLLIUM	0.81	NA
				CADMIUM	7.6	0.6
				CALCIUM	40700	NA
				CHROMIUM	556	26.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1033 (cont.)	R3-8	90	96	COBALT	6.1	NA
				COPPER	233	16.0
				IRON	19200	NA
				LEAD	219	31.0
				MAGNESIUM	13000	NA
				MANGANESE	244	460.0
				NICKEL	178	16.0
				POTASSIUM	1560	NA
				SILVER	2.6	1.0
				SODIUM	810	NA
				THALLIUM	4.1	NA
				VANADIUM	20.2	NA
				ZINC	399	120.0
007-1039	R3-11	6	12	ALUMINUM	7320	NA
				ARSENIC	8.8	6.0
				BARIUM	98.6	NA
				BERYLLIUM	0.43	NA
				CADMIUM	3.5	0.6
				CALCIUM	43300	NA
				CHROMIUM	429	26.0
				COBALT	6.5	NA
				COPPER	256	16.0
				IRON	15600	NA
				LEAD	121	31.0
				MAGNESIUM	11100	NA
				MANGANESE	188	460.0
				NICKEL	131	16.0
				POTASSIUM	1040	NA
				SELENIUM	0.94	NA
				SILVER	4	1.0
				SODIUM	781	NA
				VANADIUM	17.1	NA
				ZINC	248	120.0
007-1040	R3-11	18	24	ALUMINUM	11200	NA
				ANTIMONY	0.57	2.0
				ARSENIC	2.7	6.0
				BARIUM	108	NA
				BERYLLIUM	0.53	NA
				CADMIUM	0.11	0.6
				CALCIUM	69000	NA
				CHROMIUM	30.4	26.0
				COBALT	8.7	NA
				COPPER	26.3	16.0
				IRON	20000	NA
				LEAD	12.5	31.0
				MAGNESIUM	14200	NA
				MANGANESE	414	460.0
				NICKEL	24	16.0
				POTASSIUM	2560	NA
				SODIUM	623	NA
				VANADIUM	22.9	NA
				ZINC	51.3	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1041	R3-11	30	36	ALUMINUM	6260	NA
				ANTIMONY	0.36	2.0
				ARSENIC	3	6.0
				BARIUM	57	NA
				BERYLLIUM	0.31	NA
				CADMIUM	0.026	0.6
				CALCIUM	55800	NA
				CHROMIUM	12.7	26.0
				COBALT	5.9	NA
				COPPER	14.6	16.0
				IRON	13200	NA
				LEAD	6.3	31.0
				MAGNESIUM	17300	NA
				MANGANESE	373	460.0
				NICKEL	14.1	16.0
				POTASSIUM	1320	NA
				SODIUM	616	NA
				VANADIUM	15.2	NA
				ZINC	31.6	120.0
007-1042	R3-11	42	48	ALUMINUM	5000	NA
				ANTIMONY	0.35	2.0
				ARSENIC	6.2	6.0
				BARIUM	42.7	NA
				BERYLLIUM	0.25	NA
				CADMIUM	0.019	0.6
				CALCIUM	52100	NA
				CHROMIUM	10	26.0
				COBALT	5.4	NA
				COPPER	12.4	16.0
				IRON	11200	NA
				LEAD	5.3	31.0
				MAGNESIUM	17600	NA
				MANGANESE	340	460.0
				NICKEL	12.5	16.0
				POTASSIUM	1030	NA
				SODIUM	586	NA
				VANADIUM	13	NA
				ZINC	26.7	120.0
007-1043	R3-11	54	60	ALUMINUM	4020	NA
				ARSENIC	2.9	6.0
				BARIUM	37.5	NA
				BERYLLIUM	0.22	NA
				CALCIUM	50900	NA
				CHROMIUM	8.1	26.0
				COBALT	4.4	NA
				COPPER	10.8	16.0
				IRON	9510	NA
				LEAD	4.5	31.0
				MAGNESIUM	18300	NA
				MANGANESE	332	460.0
				NICKEL	9.7	16.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1043 (cont.)	R3-11	54	60	POTASSIUM	836	NA
				SODIUM	576	NA
				VANADIUM	10.9	NA
				ZINC	23.8	120.0
007-1045	R2-11	6	12	ALUMINUM	7910	NA
				ANTIMONY	0.85	2.0
				ARSENIC	6.5	6.0
				BARIUM	124	NA
				BERYLLIUM	0.42	NA
				CADMIUM	5.9	0.6
				CALCIUM	68200	NA
				CHROMIUM	96.6	26.0
				COBALT	7	NA
				COPPER	99.2	16.0
				IRON	18000	NA
				LEAD	187	31.0
				MAGNESIUM	15900	NA
				MANGANESE	375	460.0
				NICKEL	33.3	16.0
				POTASSIUM	1300	NA
				SILVER	2	1.0
				SODIUM	4980	NA
				VANADIUM	20.5	NA
				ZINC	442	120.0
007-1046	R2-11	18	24	ALUMINUM	11200	NA
				ANTIMONY	0.63	2.0
				ARSENIC	8.7	6.0
				BARIUM	171	NA
				BERYLLIUM	0.54	NA
				CADMIUM	178	0.6
				CALCIUM	59000	NA
				CHROMIUM	602	26.0
				COBALT	7.9	NA
				COPPER	198	16.0
				IRON	22400	NA
				LEAD	431	31.0
				MAGNESIUM	13700	NA
				MANGANESE	448	460.0
				NICKEL	88.5	16.0
				POTASSIUM	1630	NA
				SILVER	3.3	1.0
				SODIUM	9030	NA
				VANADIUM	33	NA
				ZINC	2570	120.0
007-1047	R2-11	30	36	ALUMINUM	7740	NA
				ARSENIC	10.2	6.0
				BARIUM	115	NA
				BERYLLIUM	0.6	NA
				CADMIUM	24.5	0.6
				CALCIUM	29200	NA
				CHROMIUM	176	26.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1047 (cont.)	R2-11	30	36	COBALT	5.9	NA
				COPPER	158	16.0
				IRON	21300	NA
				LEAD	81.2	31.0
				MAGNESIUM	5460	NA
				MANGANESE	228	460.0
				NICKEL	42.6	16.0
				POTASSIUM	1010	NA
				SELENIUM	2.4	NA
				SILVER	5.2	1.0
				SODIUM	18100	NA
				VANADIUM	19.8	NA
				ZINC	435	120.0
007-1048	R2-11	42	48	ALUMINUM	5080	NA
				ARSENIC	7.2	6.0
				BARIUM	76.6	NA
				BERYLLIUM	0.39	NA
				CADMIUM	0.73	0.6
				CALCIUM	69600	NA
				CHROMIUM	12.2	26.0
				COBALT	8.2	NA
				COPPER	21.7	16.0
				IRON	18400	NA
				LEAD	7.6	31.0
				MAGNESIUM	4050	NA
				MANGANESE	208	460.0
				NICKEL	17.7	16.0
				POTASSIUM	857	NA
				SELENIUM	2.5	NA
				SODIUM	28700	NA
				VANADIUM	12.6	NA
				ZINC	63	120.0
007-1049	R2-11	54	60	ALUMINUM	7390	NA
				ARSENIC	8.4	6.0
				BARIUM	148	NA
				BERYLLIUM	0.47	NA
				CADMIUM	8.1	0.6
				CALCIUM	23400	NA
				CHROMIUM	46.1	26.0
				COBALT	5.6	NA
				COPPER	44.8	16.0
				IRON	17500	NA
				LEAD	29.3	31.0
				MAGNESIUM	4400	NA
				MANGANESE	159	460.0
				NICKEL	24.7	16.0
				POTASSIUM	1030	NA
				SILVER	0.48	1.0
				SODIUM	32000	NA
				VANADIUM	21	NA
				ZINC	148	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1050	R2-11	66	72	ALUMINUM	9830	NA
				ANTIMONY	0.51	2.0
				ARSENIC	6.2	6.0
				BARIUM	34	NA
				BERYLLIUM	0.47	NA
				CADMIUM	0.041	0.6
				CALCIUM	3130	NA
				CHROMIUM	17	26.0
				COBALT	8.6	NA
				COPPER	13.4	16.0
				IRON	17700	NA
				LEAD	7.7	31.0
				MAGNESIUM	4370	NA
				MANGANESE	139	460.0
				NICKEL	18.5	16.0
				POTASSIUM	973	NA
				SODIUM	3810	NA
				VANADIUM	20.4	NA
				ZINC	46.6	120.0
007-1051	R2-15	6	12	ALUMINUM	4840	NA
				ANTIMONY	0.46	2.0
				ARSENIC	4	6.0
				BARIUM	61.8	NA
				BERYLLIUM	0.28	NA
				CADMIUM	1.4	0.6
				CALCIUM	45600	NA
				CHROMIUM	34.7	26.0
				COBALT	4.8	NA
				COPPER	51.8	16.0
				IRON	11200	NA
				LEAD	61.1	31.0
				MAGNESIUM	13000	NA
				MANGANESE	292	460.0
				NICKEL	17	16.0
				POTASSIUM	771	NA
				SILVER	0.74	1.0
				SODIUM	765	NA
				VANADIUM	12.4	NA
				ZINC	172	120.0
007-1052	R2-15	18	24	ALUMINUM	6200	NA
				ANTIMONY	0.48	2.0
				ARSENIC	4.9	6.0
				BARIUM	87.1	NA
				BERYLLIUM	0.34	NA
				CADMIUM	2.3	0.6
				CALCIUM	53000	NA
				CHROMIUM	61.3	26.0
				COBALT	6.3	NA
				COPPER	61.3	16.0
				IRON	13200	NA
				LEAD	112	31.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1052 (cont.)	R2-15	18	24	MAGNESIUM	13500	NA
				MANGANESE	313	460.0
				NICKEL	25.9	16.0
				POTASSIUM	983	NA
				SILVER	1	1.0
				SODIUM	771	NA
				VANADIUM	16.1	NA
				ZINC	200	120.0
007-1053	R2-15	30	36	ALUMINUM	7010	NA
				ANTIMONY	0.54	2.0
				ARSENIC	6.7	6.0
				BARIUM	97.6	NA
				BERYLLIUM	0.37	NA
				CADMIUM	4.4	0.6
				CALCIUM	40200	NA
				CHROMIUM	105	26.0
				COBALT	6.4	NA
				COPPER	104	16.0
				IRON	15700	NA
				LEAD	172	31.0
				MAGNESIUM	10900	NA
				MANGANESE	352	460.0
				NICKEL	42.1	16.0
				POTASSIUM	1040	NA
				SILVER	2.4	1.0
				SODIUM	838	NA
				VANADIUM	21.3	NA
				ZINC	287	120.0
007-1054	R2-15	42	48	ALUMINUM	9500	NA
				ANTIMONY	0.64	2.0
				ARSENIC	7.5	6.0
				BARIUM	137	NA
				BERYLLIUM	0.51	NA
				CADMIUM	13.8	0.6
				CALCIUM	46100	NA
				CHROMIUM	289	26.0
				COBALT	8.1	NA
				COPPER	140	16.0
				IRON	23300	NA
				LEAD	234	31.0
				MAGNESIUM	12800	NA
				MANGANESE	348	460.0
				NICKEL	83.9	16.0
				POTASSIUM	1420	NA
				SILVER	2.7	1.0
				SODIUM	875	NA
				VANADIUM	26.5	NA
				ZINC	451	120.0
007-1055	R2-15	54	60	ALUMINUM	10300	NA
				ARSENIC	10.7	6.0
				BARIUM	207	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1055 (cont.)	R2-15	54	60	BERYLLIUM	0.63	NA
				CADMIUM	28.7	0.6
				CALCIUM	29900	NA
				CHROMIUM	261	26.0
				COBALT	7.9	NA
				COPPER	188	16.0
				IRON	21500	NA
				LEAD	148	31.0
				MAGNESIUM	8430	NA
				MANGANESE	287	460.0
				NICKEL	68.7	16.0
				POTASSIUM	1310	NA
				SELENIUM	1.7	NA
				SILVER	7.3	1.0
				SODIUM	1220	NA
				VANADIUM	24.2	NA
				ZINC	455	120.0
007-1056	R2-15	66	72	ALUMINUM	11000	NA
				ARSENIC	16.7	6.0
				BARIUM	242	NA
				BERYLLIUM	0.59	NA
				CADMIUM	4.2	0.6
				CALCIUM	15100	NA
				CHROMIUM	54.2	26.0
				COBALT	5.3	NA
				COPPER	55.7	16.0
				IRON	16600	NA
				LEAD	29.4	31.0
				MAGNESIUM	5270	NA
				MANGANESE	113	460.0
				NICKEL	24.5	16.0
				POTASSIUM	1370	NA
				SILVER	1.2	1.0
				SODIUM	1720	NA
				VANADIUM	29.5	NA
				ZINC	100	120.0
007-1057	R2-15	78	84	ALUMINUM	10300	NA
				ANTIMONY	0.62	2.0
				ARSENIC	5.7	6.0
				BARIUM	116	NA
				BERYLLIUM	0.49	NA
				CADMIUM	0.15	0.6
				CALCIUM	6420	NA
				CHROMIUM	19.3	26.0
				COBALT	6.8	NA
				COPPER	17.7	16.0
				IRON	21800	NA
				LEAD	10.8	31.0
				MAGNESIUM	5300	NA
				MANGANESE	127	460.0
				NICKEL	19.7	16.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1057 (cont.)	R2-15	78	84	POTASSIUM	1410	NA
				SODIUM	937	NA
				VANADIUM	23	NA
				ZINC	48.5	120.0
007-1058	R2-7	6	12	ALUMINUM	8840	NA
				ARSENIC	5.5	6.0
				BARIUM	92.5	NA
				BERYLLIUM	0.63	NA
				CADMIUM	0.64	0.6
				CALCIUM	23600	NA
				CHROMIUM	23.2	26.0
				COBALT	8	NA
				COPPER	31.7	16.0
				IRON	22400	NA
				LEAD	18.1	31.0
				MAGNESIUM	7110	NA
				MANGANESE	171	460.0
				NICKEL	25.4	16.0
				POTASSIUM	1500	NA
				SELENIUM	3.4	NA
				SODIUM	3630	NA
				VANADIUM	18.7	NA
				ZINC	99.4	120.0
007-1059	R2-7	18	24	ALUMINUM	11600	NA
				ARSENIC	4.1	6.0
				BARIUM	168	NA
				BERYLLIUM	0.68	NA
				CADMIUM	0.26	0.6
				CALCIUM	185000	NA
				CHROMIUM	23.8	26.0
				COBALT	8.4	NA
				COPPER	31.8	16.0
				IRON	20600	NA
				LEAD	12.5	31.0
				MAGNESIUM	10800	NA
				MANGANESE	349	460.0
				NICKEL	31.7	16.0
				POTASSIUM	2090	NA
				SELENIUM	3.8	NA
				SODIUM	4820	NA
				VANADIUM	22.4	NA
				ZINC	77.3	120.0
007-1060	R2-7	30	36	ALUMINUM	10900	NA
				ARSENIC	8.6	6.0
				BARIUM	148	NA
				BERYLLIUM	0.83	NA
				CADMIUM	1.3	0.6
				CALCIUM	28700	NA
				CHROMIUM	29.4	26.0
				COBALT	5.8	NA
				COPPER	53.8	16.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1060 (cont.)	R2-7	30	36	IRON	31000	NA
				LEAD	23.2	31.0
				MAGNESIUM	7520	NA
				MANGANESE	205	460.0
				NICKEL	27.4	16.0
				POTASSIUM	1970	NA
				SODIUM	4660	NA
				VANADIUM	30.1	NA
				ZINC	102	120.0
007-1061	R2-7	42	48	ALUMINUM	9580	NA
				ANTIMONY	0.67	2.0
				ARSENIC	16.7	6.0
				BARIUM	65.6	NA
				BERYLLIUM	0.53	NA
				CADMIUM	0.045	0.6
				CALCIUM	4740	NA
				CHROMIUM	17.6	26.0
				COBALT	8.9	NA
				COPPER	19.6	16.0
				IRON	23300	NA
				LEAD	9.2	31.0
				MAGNESIUM	4870	NA
				MANGANESE	116	460.0
				NICKEL	21.3	16.0
				POTASSIUM	1390	NA
				SODIUM	780	NA
				VANADIUM	23.8	NA
				ZINC	51.1	120.0
007-1062	R2-7	54	60	ALUMINUM	9830	NA
				ARSENIC	3.6	6.0
				BARIUM	64	NA
				BERYLLIUM	0.48	NA
				CADMIUM	0.046	0.6
				CALCIUM	24200	NA
				CHROMIUM	16.4	26.0
				COBALT	8.8	NA
				COPPER	15.9	16.0
				IRON	19100	NA
				LEAD	8.1	31.0
				MAGNESIUM	14600	NA
				MANGANESE	202	460.0
				NICKEL	20.8	16.0
				POTASSIUM	1620	NA
				SODIUM	698	NA
				VANADIUM	19.3	NA
				ZINC	45	120.0
007-1063	R3-3	6	12	ALUMINUM	9350	NA
				ANTIMONY	0.75	2.0
				ARSENIC	7.9	6.0
				BARIUM	138	NA
				BERYLLIUM	0.45	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1063 (cont.)	R3-3	6	12	CADMIUM	3.7	0.6
				CALCIUM	76900	NA
				CHROMIUM	91.1	26.0
				COBALT	8.3	NA
				COPPER	125	16.0
				IRON	19700	NA
				LEAD	206	31.0
				MAGNESIUM	17900	NA
				MANGANESE	372	460.0
				NICKEL	39.1	16.0
				POTASSIUM	1530	NA
				SILVER	2.2	1.0
				SODIUM	978	NA
				VANADIUM	27	NA
				ZINC	402	120.0
007-1064	R3-3	18	24	ALUMINUM	6340	NA
				ANTIMONY	0.58	2.0
				ARSENIC	6	6.0
				BARIUM	107	NA
				BERYLLIUM	0.33	NA
				CADMIUM	3	0.6
				CALCIUM	64700	NA
				CHROMIUM	139	26.0
				COBALT	6.2	NA
				COPPER	111	16.0
				IRON	15000	NA
				LEAD	187	31.0
				MAGNESIUM	13600	NA
				MANGANESE	299	460.0
				NICKEL	47.1	16.0
				POTASSIUM	1030	NA
				SILVER	1.7	1.0
				SODIUM	797	NA
				VANADIUM	18.3	NA
				ZINC	265	120.0
007-1065	R3-3	30	36	ALUMINUM	10400	NA
				ANTIMONY	0.76	2.0
				ARSENIC	7.8	6.0
				BARIUM	129	NA
				BERYLLIUM	0.54	NA
				CADMIUM	7.6	0.6
				CALCIUM	53600	NA
				CHROMIUM	200	26.0
				COBALT	9.1	NA
				COPPER	195	16.0
				IRON	21600	NA
				LEAD	264	31.0
				MAGNESIUM	16300	NA
				MANGANESE	393	460.0
				NICKEL	85.3	16.0
				POTASSIUM	1580	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1065 (cont.)	R3-3	30	36	SILVER	4.2	1.0
				SODIUM	801	NA
				VANADIUM	29.1	NA
				ZINC	404	120.0
007-1066	R3-3	42	48	ALUMINUM	11800	NA
				ARSENIC	9.6	6.0
				BARIUM	152	NA
				BERYLLIUM	0.59	NA
				CADMIUM	11.7	0.6
				CALCIUM	64100	NA
				CHROMIUM	815	26.0
				COBALT	10	NA
				COPPER	283	16.0
				IRON	23400	NA
				LEAD	342	31.0
				MAGNESIUM	17100	NA
				MANGANESE	353	460.0
				NICKEL	200	16.0
				POTASSIUM	1850	NA
				SELENIUM	0.86	NA
				SILVER	4.3	1.0
				SODIUM	825	NA
				VANADIUM	34.3	NA
				ZINC	613	120.0
007-1067	R3-3	54	60	ALUMINUM	8520	NA
				ARSENIC	10.4	6.0
				BARIUM	154	NA
				BERYLLIUM	0.54	NA
				CADMIUM	3.7	0.6
				CALCIUM	40600	NA
				CHROMIUM	593	26.0
				COBALT	7.8	NA
				COPPER	324	16.0
				IRON	20200	NA
				LEAD	132	31.0
				MAGNESIUM	9070	NA
				MANGANESE	249	460.0
				NICKEL	157	16.0
				POTASSIUM	1120	NA
				SELENIUM	1.5	NA
				SILVER	7.1	1.0
				SODIUM	1370	NA
				VANADIUM	22.2	NA
				ZINC	296	120.0
007-1068	R3-3	66	72	ALUMINUM	9430	NA
				ANTIMONY	0.84	2.0
				ARSENIC	11.3	6.0
				BARIUM	180	NA
				BERYLLIUM	0.6	NA
				CADMIUM	5.2	0.6
				CALCIUM	43300	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1068 (cont.)	R3-3	66	72	CHROMIUM	961	26.0
				COBALT	8.9	NA
				COPPER	462	16.0
				IRON	22300	NA
				LEAD	190	31.0
				MAGNESIUM	10400	NA
				MANGANESE	272	460.0
				NICKEL	249	16.0
				POTASSIUM	1240	NA
				SELENIUM	2	NA
				SILVER	8.6	1.0
				SODIUM	1280	NA
				VANADIUM	26.3	NA
				ZINC	399	120.0
007-1069	R3-3	78	84	ALUMINUM	7240	NA
				ANTIMONY	1.1	2.0
				ARSENIC	10.1	6.0
				BARIUM	150	NA
				BERYLLIUM	0.44	NA
				CADMIUM	3.4	0.6
				CALCIUM	47100	NA
				CHROMIUM	483	26.0
				COBALT	6.9	NA
				COPPER	316	16.0
				IRON	18100	NA
				LEAD	118	31.0
				MAGNESIUM	7740	NA
				MANGANESE	240	460.0
				NICKEL	134	16.0
				POTASSIUM	911	NA
				SELENIUM	2.2	NA
				SILVER	7.2	1.0
				SODIUM	1490	NA
				VANADIUM	19.4	NA
				ZINC	268	120.0
007-1070	R3-3	90	96	ALUMINUM	6850	NA
				ARSENIC	10.4	6.0
				BARIUM	179	NA
				BERYLLIUM	0.47	NA
				CADMIUM	3	0.6
				CALCIUM	49900	NA
				CHROMIUM	480	26.0
				COBALT	6.5	NA
				COPPER	313	16.0
				IRON	16700	NA
				LEAD	110	31.0
				MAGNESIUM	7890	NA
				MANGANESE	211	460.0
				NICKEL	134	16.0
				POTASSIUM	864	NA
				SILVER	6.8	1.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1070 (cont.)	R3-3	90	96	SODIUM	1710	NA
				VANADIUM	19.2	NA
				ZINC	247	120.0
007-1071	R3-12	6	12	ALUMINUM	5580	NA
				ANTIMONY	0.62	2.0
				ARSENIC	4.6	6.0
				BARIUM	80.7	NA
				BERYLLIUM	0.32	NA
				CADMIUM	3.7	0.6
				CALCIUM	55900	NA
				CHROMIUM	90.4	26.0
				COBALT	5.7	NA
				COPPER	97.9	16.0
				IRON	14100	NA
				LEAD	107	31.0
				MAGNESIUM	13100	NA
				MANGANESE	252	460.0
				NICKEL	29.6	16.0
				POTASSIUM	884	NA
				SILVER	3.2	1.0
				SODIUM	875	NA
				VANADIUM	15.5	NA
				ZINC	271	120.0
007-1072	R3-12	18	24	ALUMINUM	11600	NA
				ARSENIC	8.5	6.0
				BARIUM	143	NA
				BERYLLIUM	0.61	NA
				CADMIUM	11.5	0.6
				CALCIUM	59500	NA
				CHROMIUM	543	26.0
				COBALT	9.6	NA
				COPPER	241	16.0
				IRON	22200	NA
				LEAD	313	31.0
				MAGNESIUM	16600	NA
				MANGANESE	331	460.0
				NICKEL	144	16.0
				POTASSIUM	1710	NA
				SILVER	4.8	1.0
				SODIUM	895	NA
				VANADIUM	36.2	NA
				ZINC	613	120.0
007-1073	R3-12	30	36	ALUMINUM	6650	NA
				ANTIMONY	1.1	2.0
				ARSENIC	10.8	6.0
				BARIUM	189	NA
				BERYLLIUM	0.43	NA
				CADMIUM	22.9	0.6
				CALCIUM	64900	NA
				CHROMIUM	367	26.0
				COBALT	5.9	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1073 (cont.)	R3-12	30	36	COPPER	267	16.0
				IRON	17300	NA
				LEAD	115	31.0
				MAGNESIUM	7110	NA
				MANGANESE	217	460.0
				NICKEL	106	16.0
				POTASSIUM	952	NA
				SILVER	11.4	1.0
				SODIUM	1970	NA
				VANADIUM	17.7	NA
				ZINC	338	120.0
007-1074	R3-12	42	48	ALUMINUM	5560	NA
				ARSENIC	15.5	6.0
				BARIUM	187	NA
				BERYLLIUM	0.46	NA
				CADMIUM	13.2	0.6
				CALCIUM	34800	NA
				CHROMIUM	182	26.0
				COBALT	5.1	NA
				COPPER	162	16.0
				IRON	17500	NA
				LEAD	64	31.0
				MAGNESIUM	5050	NA
				MANGANESE	171	460.0
				NICKEL	55	16.0
				POTASSIUM	694	NA
				SELENIUM	2.7	NA
				SILVER	5.1	1.0
				SODIUM	2950	NA
				VANADIUM	16.3	NA
				ZINC	190	120.0
007-1075	R3-12	54	60	ALUMINUM	9550	NA
				ARSENIC	8.7	6.0
				BARIUM	129	NA
				BERYLLIUM	0.51	NA
				CADMIUM	5.6	0.6
				CALCIUM	15500	NA
				CHROMIUM	62.7	26.0
				COBALT	10.1	NA
				COPPER	72.8	16.0
				IRON	26900	NA
				LEAD	27.9	31.0
				MAGNESIUM	5770	NA
				MANGANESE	155	460.0
				NICKEL	33.6	16.0
				POTASSIUM	1450	NA
				SELENIUM	1.9	NA
				SILVER	2.1	1.0
				SODIUM	1930	NA
				VANADIUM	21.4	NA
				ZINC	136	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1076	R3-12	66	72	ALUMINUM	11600	NA
				ANTIMONY	0.79	2.0
				ARSENIC	5	6.0
				BARIUM	170	NA
				BERYLLIUM	0.58	NA
				CADMIUM	0.34	0.6
				CALCIUM	8230	NA
				CHROMIUM	22	26.0
				COBALT	7.2	NA
				COPPER	30.5	16.0
				IRON	28600	NA
				LEAD	10.9	31.0
				MAGNESIUM	5860	NA
				MANGANESE	132	460.0
				NICKEL	23.3	16.0
				POTASSIUM	1430	NA
				SODIUM	1280	NA
				VANADIUM	26.4	NA
				ZINC	62.5	120.0
007-1077	R3-12	78	84	ALUMINUM	11400	NA
				ANTIMONY	0.44	2.0
				ARSENIC	7.3	6.0
				BARIUM	112	NA
				BERYLLIUM	0.5	NA
				CADMIUM	0.055	0.6
				CALCIUM	33100	NA
				CHROMIUM	19.5	26.0
				COBALT	9.1	NA
				COPPER	22.4	16.0
				IRON	21800	NA
				LEAD	8.6	31.0
				MAGNESIUM	20200	NA
				MANGANESE	381	460.0
				NICKEL	22.6	16.0
				POTASSIUM	2110	NA
				SODIUM	606	NA
				VANADIUM	25	NA
				ZINC	46.3	120.0
R1-1A	R1-1	0	6	ALUMINUM	1030	NA
				ANTIMONY	1.5	2.0
				ARSENIC	1	6.0
				BARIUM	118	NA
				BERYLLIUM	0.39	NA
				CADMIUM	0.77	0.6
				CALCIUM	300000	NA
				CHROMIUM	3.4	26.0
				COBALT	1.5	NA
				COPPER	8.3	16.0
				IRON	3570	NA
				LEAD	9.1	31.0
				MAGNESIUM	3440	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R1-1A (cont.)	R1-1	0	6	MANGANESE	216	460.0
				NICKEL	7.5	16.0
				POTASSIUM	290	NA
				SELENIUM	0.39	NA
				SILVER	0.77	1.0
				SODIUM	6290	NA
				THALLIUM	0.77	NA
				VANADIUM	2	NA
				ZINC	16.1	120.0
R1-1B	R1-1	6	12	ALUMINUM	954	NA
				ARSENIC	1.1	6.0
				BARIUM	105	NA
				BERYLLIUM	0.39	NA
				CADMIUM	0.39	0.6
				CALCIUM	329000	NA
				CHROMIUM	2.2	26.0
				COBALT	0.78	NA
				COPPER	1.9	16.0
				IRON	2710	NA
				LEAD	1	31.0
				MAGNESIUM	3560	NA
				MANGANESE	181	460.0
				NICKEL	6.2	16.0
				POTASSIUM	294	NA
				SELENIUM	0.41	NA
				SODIUM	9140	NA
				THALLIUM	0.78	NA
				VANADIUM	2.1	NA
				ZINC	5.6	120.0
R1-1C	R1-1	18	24	ALUMINUM	1030	NA
				ARSENIC	1.3	6.0
				BARIUM	108	NA
				BERYLLIUM	0.42	NA
				CADMIUM	0.42	0.6
				CALCIUM	251000	NA
				CHROMIUM	2.6	26.0
				COBALT	0.84	NA
				COPPER	2.4	16.0
				IRON	2540	NA
				LEAD	1.2	31.0
				MAGNESIUM	3010	NA
				MANGANESE	187	460.0
				NICKEL	7.3	16.0
				POTASSIUM	336	NA
				SELENIUM	0.49	NA
				SILVER	0.42	1.0
				SODIUM	7230	NA
				THALLIUM	0.84	NA
				VANADIUM	2.5	NA
				ZINC	6.9	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R1-2A	R1-2	0	6	ALUMINUM	1490	NA
				ANTIMONY	1.1	2.0
				ARSENIC	2.3	6.0
				BARIUM	83	NA
				BERYLLIUM	0.11	NA
				CADMIUM	1.3	0.6
				CALCIUM	188000	NA
				CHROMIUM	19.8	26.0
				COBALT	1.3	NA
				COPPER	27	16.0
				IRON	4810	NA
				LEAD	63.7	31.0
				MAGNESIUM	5060	NA
				MANGANESE	188	460.0
				NICKEL	8.7	16.0
				POTASSIUM	363	NA
				SELENIUM	0.34	NA
				SILVER	0.28	1.0
				SODIUM	3350	NA
				THALLIUM	0.56	NA
				VANADIUM	4.1	NA
				ZINC	56.6	120.0
R1-2B	R1-2	6	12	ALUMINUM	930	NA
				ARSENIC	1.3	6.0
				BARIUM	114	NA
				BERYLLIUM	0.31	NA
				CADMIUM	0.31	0.6
				CALCIUM	265000	NA
				CHROMIUM	2.4	26.0
				COBALT	0.61	NA
				COPPER	2.1	16.0
				IRON	2450	NA
				LEAD	1.3	31.0
				MAGNESIUM	2910	NA
				MANGANESE	201	460.0
				NICKEL	6.7	16.0
				POTASSIUM	302	NA
				SELENIUM	0.42	NA
				SILVER	0.31	1.0
				SODIUM	6290	NA
				THALLIUM	0.61	NA
				VANADIUM	2.3	NA
				ZINC	6.6	120.0
R1-2C	R1-2	18	24	ALUMINUM	1150	NA
				ARSENIC	1.1	6.0
				BARIUM	98.5	NA
				BERYLLIUM	0.06	NA
				CADMIUM	0.045	0.6
				CALCIUM	362000	NA
				CHROMIUM	2.3	26.0
				COBALT	0.66	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R1-2C (cont.)	R1-2	18	24	COPPER	2	16.0
				IRON	2920	NA
				LEAD	1.1	31.0
				MAGNESIUM	4000	NA
				MANGANESE	193	460.0
				NICKEL	6.8	16.0
				POTASSIUM	364	NA
				SELENIUM	0.49	NA
				SILVER	0.33	1.0
				SODIUM	8280	NA
				THALLIUM	0.66	NA
				VANADIUM	2.2	NA
				ZINC	6.4	120.0
R1-3A	R1-3	0	6	ALUMINUM	1290	NA
				ARSENIC	0.95	6.0
				BARIUM	104	NA
				BERYLLIUM	0.35	NA
				CADMIUM	0.69	0.6
				CALCIUM	285000	NA
				CHROMIUM	3.8	26.0
				COBALT	1.4	NA
				COPPER	3.7	16.0
				IRON	4030	NA
				LEAD	3.1	31.0
				MAGNESIUM	4790	NA
				MANGANESE	256	460.0
				NICKEL	7.7	16.0
				POTASSIUM	354	NA
				SELENIUM	0.41	NA
				SILVER	0.69	1.0
				SODIUM	1550	NA
				THALLIUM	1.4	NA
				VANADIUM	2.5	NA
				ZINC	13.1	120.0
R1-3B	R1-3	6	12	ALUMINUM	1230	NA
				ARSENIC	1.2	6.0
				BARIUM	94.4	NA
				BERYLLIUM	0.39	NA
				CADMIUM	0.78	0.6
				CALCIUM	288000	NA
				CHROMIUM	3.1	26.0
				COBALT	1.6	NA
				COPPER	2.8	16.0
				IRON	3730	NA
				LEAD	1.6	31.0
				MAGNESIUM	4300	NA
				MANGANESE	243	460.0
				NICKEL	7.6	16.0
				POTASSIUM	331	NA
				SELENIUM	0.6	NA
				SILVER	0.78	1.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R1-3B (cont.)	R1-3	6	12	SODIUM	2110	NA
				THALLIUM	1.6	NA
				VANADIUM	3.1	NA
				ZINC	8.3	120.0
R1-3C	R1-3	18	24	ALUMINUM	1740	NA
				ARSENIC	0.99	6.0
				BARIUM	95.6	NA
				BERYLLIUM	0.37	NA
				CADMIUM	0.37	0.6
				CALCIUM	290000	NA
				CHROMIUM	2.7	26.0
				COBALT	0.73	NA
				COPPER	3.4	16.0
				IRON	4310	NA
				LEAD	1.4	31.0
				MAGNESIUM	4310	NA
				MANGANESE	256	460.0
				NICKEL	7.4	16.0
				POTASSIUM	432	NA
				SELENIUM	0.37	NA
				SILVER	0.37	1.0
				SODIUM	2350	NA
				THALLIUM	0.73	NA
				VANADIUM	2.7	NA
				ZINC	7.7	120.0
R1-4A	R1-4	0	6	ALUMINUM	1050	NA
				ANTIMONY	1.6	2.0
				ARSENIC	1.5	6.0
				BARIUM	88.9	NA
				BERYLLIUM	0.4	NA
				CADMIUM	0.48	0.6
				CALCIUM	254000	NA
				CHROMIUM	5.8	26.0
				COBALT	1.2	NA
				COPPER	5.5	16.0
				IRON	3870	NA
				LEAD	8.9	31.0
				MAGNESIUM	4180	NA
				MANGANESE	258	460.0
				NICKEL	6.8	16.0
				POTASSIUM	261	NA
				SELENIUM	0.47	NA
				SILVER	0.4	1.0
				SODIUM	1110	NA
				THALLIUM	0.8	NA
				VANADIUM	3.4	NA
				ZINC	17.2	120.0
R1-4B	R1-4	6	12	ALUMINUM	1210	NA
				ARSENIC	1.5	6.0
				BARIUM	81.9	NA
				BERYLLIUM	0.33	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R1-4B (cont.)	R1-4	6	12	CADMIUM	0.33	0.6
				CALCIUM	285000	NA
				CHROMIUM	2.3	26.0
				COBALT	0.96	NA
				COPPER	2.3	16.0
				IRON	4370	NA
				LEAD	1.2	31.0
				MAGNESIUM	5210	NA
				MANGANESE	230	460.0
				NICKEL	5.7	16.0
				POTASSIUM	312	NA
				SELENIUM	0.39	NA
				SILVER	0.33	1.0
				SODIUM	1170	NA
				THALLIUM	0.67	NA
				VANADIUM	2.8	NA
				ZINC	6.4	120.0
R1-4C	R1-4	18	24	ALUMINUM	1050	NA
				ARSENIC	1.3	6.0
				BARIUM	82.9	NA
				BERYLLIUM	0.42	NA
				CADMIUM	0.42	0.6
				CALCIUM	274000	NA
				CHROMIUM	2.8	26.0
				COBALT	0.98	NA
				COPPER	2.7	16.0
				IRON	3380	NA
				LEAD	1.4	31.0
				MAGNESIUM	3920	NA
				MANGANESE	171	460.0
				NICKEL	6.3	16.0
				POTASSIUM	278	NA
				SELENIUM	0.42	NA
				SODIUM	1390	NA
				THALLIUM	0.84	NA
				VANADIUM	3.1	NA
				ZINC	6.9	120.0
R2-10A	R2-10	0	6	ALUMINUM	5340	NA
				ANTIMONY	1.9	2.0
				ARSENIC	5.5	6.0
				BARIUM	78.7	NA
				BERYLLIUM	0.49	NA
				CADMIUM	4.4	0.6
				CALCIUM	61000	NA
				CHROMIUM	52.8	26.0
				COBALT	5.4	NA
				COPPER	69.3	16.0
				IRON	13100	NA
				LEAD	82.7	31.0
				MAGNESIUM	13000	NA
				MANGANESE	314	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-10A (cont.)	R2-10	0	6	NICKEL	22.6	16.0
				POTASSIUM	752	NA
				SELENIUM	0.74	NA
				SILVER	1.1	1.0
				SODIUM	3050	NA
				THALLIUM	0.97	NA
				VANADIUM	14.6	NA
				ZINC	268	120.0
R2-10B	R2-10	6	12	ALUMINUM	6780	NA
				ANTIMONY	2	2.0
				ARSENIC	7.7	6.0
				BARIUM	128	NA
				BERYLLIUM	0.51	NA
				CADMIUM	8.1	0.6
				CALCIUM	66700	NA
				CHROMIUM	82.9	26.0
				COBALT	6.9	NA
				COPPER	99.7	16.0
				IRON	15300	NA
				LEAD	218	31.0
				MAGNESIUM	14700	NA
				MANGANESE	471	460.0
				NICKEL	29.6	16.0
				POTASSIUM	954	NA
				SELENIUM	0.86	NA
				SILVER	1.7	1.0
				SODIUM	8510	NA
				THALLIUM	1	NA
				VANADIUM	18.5	NA
				ZINC	919	120.0
R2-10C	R2-10	18	24	ALUMINUM	8840	NA
				ANTIMONY	2.3	2.0
				ARSENIC	8.9	6.0
				BARIUM	157	NA
				BERYLLIUM	0.53	NA
				CADMIUM	156	0.6
				CALCIUM	51100	NA
				CHROMIUM	404	26.0
				COBALT	6.9	NA
				COPPER	157	16.0
				IRON	18000	NA
				LEAD	464	31.0
				MAGNESIUM	12300	NA
				MANGANESE	459	460.0
				NICKEL	69.2	16.0
				POTASSIUM	1130	NA
				SELENIUM	1.2	NA
				SILVER	3.1	1.0
				SODIUM	13300	NA
				THALLIUM	0.89	NA
				VANADIUM	23.1	NA
				ZINC	1780	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-11A	R2-11	0	6	ALUMINUM	5340	NA
				ANTIMONY	1.8	2.0
				ARSENIC	6	6.0
				BARIUM	79.8	NA
				BERYLLIUM	0.44	NA
				CADMIUM	4.4	0.6
				CALCIUM	54200	NA
				CHROMIUM	52.4	26.0
				COBALT	5.7	NA
				COPPER	71.7	16.0
				IRON	14000	NA
				LEAD	85.5	31.0
				MAGNESIUM	12300	NA
				MANGANESE	310	460.0
				NICKEL	21.5	16.0
				POTASSIUM	738	NA
				SELENIUM	0.67	NA
				SILVER	1.4	1.0
				SODIUM	4560	NA
				THALLIUM	0.89	NA
				VANADIUM	14.3	NA
				ZINC	281	120.0
R2-11B	R2-11	6	12	ALUMINUM	6520	NA
				ANTIMONY	1.9	2.0
				ARSENIC	7.9	6.0
				BARIUM	119	NA
				BERYLLIUM	0.48	NA
				CADMIUM	11.6	0.6
				CALCIUM	63200	NA
				CHROMIUM	95.8	26.0
				COBALT	6.7	NA
				COPPER	103	16.0
				IRON	15900	NA
				LEAD	226	31.0
				MAGNESIUM	13200	NA
				MANGANESE	469	460.0
				NICKEL	29.3	16.0
				POTASSIUM	952	NA
				SELENIUM	0.88	NA
				SILVER	1.7	1.0
				SODIUM	11900	NA
				THALLIUM	0.95	NA
				VANADIUM	18.3	NA
				ZINC	1150	120.0
R2-11C	R2-11	18	24	ALUMINUM	9660	NA
				ANTIMONY	2.6	2.0
				ARSENIC	11.4	6.0
				BARIUM	167	NA
				BERYLLIUM	0.56	NA
				CADMIUM	287	0.6
				CALCIUM	55100	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-11C (cont.)	R2-11	18	24	CHROMIUM	552	26.0
				COBALT	7.5	NA
				COPPER	178	16.0
				IRON	20300	NA
				LEAD	532	31.0
				MAGNESIUM	12100	NA
				MANGANESE	429	460.0
				NICKEL	80.9	16.0
				POTASSIUM	1140	NA
				SELENIUM	1	NA
				SILVER	3.4	1.0
				SODIUM	15000	NA
				THALLIUM	0.85	NA
				VANADIUM	21.7	NA
				ZINC	2960	120.0
R2-12A	R2-12	0	6	ALUMINUM	10400	NA
				ANTIMONY	1.3	2.0
				ARSENIC	8.5	6.0
				BARIUM	104	NA
				BERYLLIUM	0.47	NA
				CADMIUM	107	0.6
				CALCIUM	57600	NA
				CHROMIUM	149	26.0
				COBALT	3.6	NA
				COPPER	132	16.0
				IRON	17200	NA
				LEAD	284	31.0
				MAGNESIUM	8000	NA
				MANGANESE	886	460.0
				NICKEL	19.2	16.0
				POTASSIUM	847	NA
				SELENIUM	0.69	NA
				SILVER	0.84	1.0
				SODIUM	4780	NA
				THALLIUM	0.62	NA
				VANADIUM	16.4	NA
				ZINC	1430	120.0
R2-12B	R2-12	6	12	ALUMINUM	14600	NA
				ANTIMONY	2	2.0
				ARSENIC	11.9	6.0
				BARIUM	142	NA
				BERYLLIUM	0.63	NA
				CADMIUM	220	0.6
				CALCIUM	63400	NA
				CHROMIUM	236	26.0
				COBALT	3.5	NA
				COPPER	202	16.0
				IRON	20200	NA
				LEAD	509	31.0
				MAGNESIUM	6890	NA
				MANGANESE	1280	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-12B (cont.)	R2-12	6	12	NICKEL	21.2	16.0
				POTASSIUM	893	NA
				SELENIUM	0.87	NA
				SILVER	0.93	1.0
				SODIUM	6270	NA
				THALLIUM	0.66	NA
				VANADIUM	22.7	NA
				ZINC	2340	120.0
R2-12C	R2-12	18	24	ALUMINUM	11000	NA
				ANTIMONY	2.7	2.0
				ARSENIC	11.6	6.0
				BARIUM	161	NA
				BERYLLIUM	0.59	NA
				CADMIUM	462	0.6
				CALCIUM	51100	NA
				CHROMIUM	608	26.0
				COBALT	5.1	NA
				COPPER	234	16.0
				IRON	18800	NA
				LEAD	856	31.0
				MAGNESIUM	8010	NA
				MANGANESE	868	460.0
				NICKEL	54.1	16.0
				POTASSIUM	1290	NA
				SELENIUM	0.95	NA
				SILVER	2.3	1.0
				SODIUM	11600	NA
				THALLIUM	0.7	NA
				VANADIUM	26.9	NA
				ZINC	4430	120.0
R2-13A	R2-13	0	6	ALUMINUM	3580	NA
				ANTIMONY	1.3	2.0
				ARSENIC	4.6	6.0
				BARIUM	52.7	NA
				BERYLLIUM	0.2	NA
				CADMIUM	3.3	0.6
				CALCIUM	29200	NA
				CHROMIUM	44.8	26.0
				COBALT	5	NA
				COPPER	50.7	16.0
				IRON	13400	NA
				LEAD	36.5	31.0
				MAGNESIUM	5340	NA
				MANGANESE	190	460.0
				NICKEL	21.1	16.0
				POTASSIUM	600	NA
				SELENIUM	0.5	NA
				SILVER	0.84	1.0
				SODIUM	3170	NA
				THALLIUM	0.67	NA
				VANADIUM	9	NA
				ZINC	189	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-13B	R2-13	6	12	ALUMINUM	7690	NA
				ANTIMONY	1.6	2.0
				ARSENIC	6.7	6.0
				BARIUM	99.2	NA
				BERYLLIUM	0.39	NA
				CADMIUM	3	0.6
				CALCIUM	61000	NA
				CHROMIUM	47	26.0
				COBALT	6.5	NA
				COPPER	65.7	16.0
				IRON	17800	NA
				LEAD	138	31.0
				MAGNESIUM	15400	NA
				MANGANESE	362	460.0
				NICKEL	23.6	16.0
				POTASSIUM	1410	NA
				SELENIUM	0.69	NA
				SILVER	1.2	1.0
				SODIUM	11600	NA
				THALLIUM	0.81	NA
				VANADIUM	16.3	NA
				ZINC	265	120.0
R2-13C	R2-13	18	24	ALUMINUM	7960	NA
				ANTIMONY	1.6	2.0
				ARSENIC	8.3	6.0
				BARIUM	105	NA
				BERYLLIUM	0.43	NA
				CADMIUM	6.6	0.6
				CALCIUM	47000	NA
				CHROMIUM	112	26.0
				COBALT	6.8	NA
				COPPER	114	16.0
				IRON	16700	NA
				LEAD	240	31.0
				MAGNESIUM	13000	NA
				MANGANESE	375	460.0
				NICKEL	42.5	16.0
				POTASSIUM	1310	NA
				SELENIUM	0.86	NA
				SILVER	3.4	1.0
				SODIUM	10800	NA
				THALLIUM	0.81	NA
				VANADIUM	19.1	NA
				ZINC	338	120.0
R2-14A	R2-14	0	6	ALUMINUM	5780	NA
				ANTIMONY	1.4	2.0
				ARSENIC	5.8	6.0
				BARIUM	81.4	NA
				BERYLLIUM	0.29	NA
				CADMIUM	3.2	0.6
				CALCIUM	50600	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-14A (cont.)	R2-14	0	6	CHROMIUM	55.7	26.0
				COBALT	5.7	NA
				COPPER	73.2	16.0
				IRON	14600	NA
				LEAD	91.8	31.0
				MAGNESIUM	10600	NA
				MANGANESE	278	460.0
				NICKEL	23	16.0
				POTASSIUM	1040	NA
				SELENIUM	0.62	NA
				SILVER	1.1	1.0
				SODIUM	3450	NA
				THALLIUM	0.68	NA
				VANADIUM	13.4	NA
				ZINC	257	120.0
R2-14B	R2-14	6	12	ALUMINUM	6650	NA
				ANTIMONY	1.4	2.0
				ARSENIC	7.2	6.0
				BARIUM	113	NA
				BERYLLIUM	0.36	NA
				CADMIUM	6.7	0.6
				CALCIUM	49700	NA
				CHROMIUM	108	26.0
				COBALT	5.8	NA
				COPPER	95.5	16.0
				IRON	15700	NA
				LEAD	203	31.0
				MAGNESIUM	12000	NA
				MANGANESE	331	460.0
				NICKEL	35.8	16.0
				POTASSIUM	1070	NA
				SELENIUM	0.78	NA
				SILVER	2.7	1.0
				SODIUM	7690	NA
				THALLIUM	0.72	NA
				VANADIUM	16.2	NA
				ZINC	325	120.0
R2-14C	R2-14	18	24	ALUMINUM	9500	NA
				ANTIMONY	1.7	2.0
				ARSENIC	8.3	6.0
				BARIUM	132	NA
				BERYLLIUM	0.52	NA
				CADMIUM	17.2	0.6
				CALCIUM	45000	NA
				CHROMIUM	248	26.0
				COBALT	7.1	NA
				COPPER	128	16.0
				IRON	19900	NA
				LEAD	280	31.0
				MAGNESIUM	12200	NA
				MANGANESE	391	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-14C (cont.)	R2-14	18	24	NICKEL	66.3	16.0
				POTASSIUM	1500	NA
				SELENIUM	0.86	NA
				SILVER	3.6	1.0
				SODIUM	8380	NA
				THALLIUM	0.84	NA
				VANADIUM	22.6	NA
				ZINC	448	120.0
R2-15A	R2-15	0	6	ALUMINUM	3150	NA
				ANTIMONY	1.3	2.0
				ARSENIC	2.4	6.0
				BARIUM	23.5	NA
				BERYLLIUM	0.32	NA
				CADMIUM	1.2	0.6
				CALCIUM	38700	NA
				CHROMIUM	21	26.0
				COBALT	3.6	NA
				COPPER	21.2	16.0
				IRON	8550	NA
				LEAD	20.7	31.0
				MAGNESIUM	5800	NA
				MANGANESE	187	460.0
				NICKEL	10.4	16.0
				POTASSIUM	602	NA
				SELENIUM	0.26	NA
				SILVER	0.39	1.0
				SODIUM	640	NA
				THALLIUM	0.64	NA
				VANADIUM	6.9	NA
				ZINC	82.2	120.0
R2-15B	R2-15	6	12	ALUMINUM	3430	NA
				ANTIMONY	1.2	2.0
				ARSENIC	3.4	6.0
				BARIUM	44.2	NA
				BERYLLIUM	0.29	NA
				CADMIUM	2.4	0.6
				CALCIUM	30800	NA
				CHROMIUM	29.9	26.0
				COBALT	4	NA
				COPPER	36.3	16.0
				IRON	9020	NA
				LEAD	41.1	31.0
				MAGNESIUM	6470	NA
				MANGANESE	199	460.0
				NICKEL	13.8	16.0
				POTASSIUM	641	NA
				SELENIUM	0.38	NA
				SILVER	0.62	1.0
				SODIUM	1190	NA
				THALLIUM	0.58	NA
				VANADIUM	8.6	NA
				ZINC	144	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-15C	R2-15	18	24	ALUMINUM	7430	NA
				ANTIMONY	1.4	2.0
				ARSENIC	7.5	6.0
				BARIUM	115	NA
				BERYLLIUM	0.45	NA
				CADMIUM	6.3	0.6
				CALCIUM	46200	NA
				CHROMIUM	99.5	26.0
				COBALT	6.6	NA
				COPPER	101	16.0
				IRON	15600	NA
				LEAD	231	31.0
				MAGNESIUM	11700	NA
				MANGANESE	363	460.0
				NICKEL	38.1	16.0
				POTASSIUM	1290	NA
				SELENIUM	0.78	NA
				SILVER	2.7	1.0
				SODIUM	2040	NA
				THALLIUM	0.69	NA
				VANADIUM	19	NA
				ZINC	289	120.0
R2-16A	R2-16	0	6	ALUMINUM	2870	NA
				ANTIMONY	1.1	2.0
				ARSENIC	3	6.0
				BARIUM	37.1	NA
				BERYLLIUM	0.28	NA
				CADMIUM	1.9	0.6
				CALCIUM	63900	NA
				CHROMIUM	19.4	26.0
				COBALT	3.7	NA
				COPPER	24.6	16.0
				IRON	7400	NA
				LEAD	24.9	31.0
				MAGNESIUM	13000	NA
				MANGANESE	224	460.0
				NICKEL	10.3	16.0
				POTASSIUM	564	NA
				SELENIUM	0.3	NA
				SILVER	0.36	1.0
				SODIUM	527	NA
				THALLIUM	0.56	NA
				VANADIUM	7.7	NA
				ZINC	103	120.0
R2-16B	R2-16	6	12	ALUMINUM	3480	NA
				ANTIMONY	1.2	2.0
				ARSENIC	3.4	6.0
				BARIUM	39.9	NA
				BERYLLIUM	0.3	NA
				CADMIUM	1.8	0.6
				CALCIUM	32300	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-16B (cont.)	R2-16	6	12	CHROMIUM	21.7	26.0
				COBALT	3.4	NA
				COPPER	25.1	16.0
				IRON	9960	NA
				LEAD	32	31.0
				MAGNESIUM	5770	NA
				MANGANESE	166	460.0
				NICKEL	10.6	16.0
				POTASSIUM	655	NA
				SELENIUM	0.33	NA
				SILVER	0.43	1.0
				SODIUM	668	NA
				THALLIUM	0.59	NA
				VANADIUM	8.3	NA
				ZINC	97.6	120.0
R2-16C	R2-16	18	24	ALUMINUM	4090	NA
				ANTIMONY	2.4	2.0
				ARSENIC	3.8	6.0
				BARIUM	60.7	NA
				BERYLLIUM	0.3	NA
				CADMIUM	3.3	0.6
				CALCIUM	31900	NA
				CHROMIUM	37	26.0
				COBALT	3.8	NA
				COPPER	32.8	16.0
				IRON	9340	NA
				LEAD	67	31.0
				MAGNESIUM	5380	NA
				MANGANESE	231	460.0
				NICKEL	15.7	16.0
				POTASSIUM	678	NA
				SELENIUM	0.49	NA
				SILVER	0.79	1.0
				SODIUM	685	NA
				THALLIUM	0.59	NA
				VANADIUM	10.3	NA
				ZINC	129	120.0
R2-17A	R2-17	0	6	ALUMINUM	5050	NA
				ANTIMONY	1.5	2.0
				ARSENIC	4.9	6.0
				BARIUM	68.1	NA
				BERYLLIUM	0.37	NA
				CADMIUM	3	0.6
				CALCIUM	40400	NA
				CHROMIUM	45.4	26.0
				COBALT	5.1	NA
				COPPER	59	16.0
				IRON	13600	NA
				LEAD	58	31.0
				MAGNESIUM	9160	NA
				MANGANESE	257	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-17A (cont.)	R2-17	0	6	NICKEL	20.3	16.0
				POTASSIUM	905	NA
				SELENIUM	0.61	NA
				SILVER	0.95	1.0
				SODIUM	830	NA
				THALLIUM	0.73	NA
				VANADIUM	13.4	NA
				ZINC	208	120.0
R2-17B	R2-17	6	12	ALUMINUM	6110	NA
				ANTIMONY	2.8	2.0
				ARSENIC	5.8	6.0
				BARIUM	86.3	NA
				BERYLLIUM	0.35	NA
				CADMIUM	2	0.6
				CALCIUM	44300	NA
				CHROMIUM	42.1	26.0
				COBALT	5.6	NA
				COPPER	61.8	16.0
				IRON	14800	NA
				LEAD	67.5	31.0
				MAGNESIUM	12200	NA
				MANGANESE	395	460.0
				NICKEL	20.3	16.0
				POTASSIUM	1090	NA
				SELENIUM	0.6	NA
				SILVER	2.1	1.0
				SODIUM	727	NA
				THALLIUM	0.7	NA
				VANADIUM	15.4	NA
				ZINC	216	120.0
R2-17C	R2-17	18	24	ALUMINUM	5940	NA
				ANTIMONY	2.6	2.0
				ARSENIC	4.9	6.0
				BARIUM	76.2	NA
				BERYLLIUM	0.33	NA
				CADMIUM	2.2	0.6
				CALCIUM	40300	NA
				CHROMIUM	33.1	26.0
				COBALT	5.6	NA
				COPPER	47	16.0
				IRON	12600	NA
				LEAD	96.2	31.0
				MAGNESIUM	10800	NA
				MANGANESE	338	460.0
				NICKEL	18.6	16.0
				POTASSIUM	1130	NA
				SELENIUM	0.51	NA
				SILVER	0.74	1.0
				SODIUM	612	NA
				THALLIUM	0.65	NA
				VANADIUM	15.2	NA
				ZINC	197	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-1A	R2-1	0	6	ALUMINUM	4140	NA
				ANTIMONY	1.1	2.0
				ARSENIC	5.5	6.0
				BARIUM	62.3	NA
				BERYLLIUM	0.22	NA
				CADMIUM	3.8	0.6
				CALCIUM	102000	NA
				CHROMIUM	46.1	26.0
				COBALT	4	NA
				COPPER	127	16.0
				IRON	14300	NA
				LEAD	75.8	31.0
				MAGNESIUM	7920	NA
				MANGANESE	351	460.0
				NICKEL	17.9	16.0
				POTASSIUM	672	NA
				SELENIUM	0.51	NA
				SILVER	0.56	1.0
				SODIUM	573	NA
				THALLIUM	0.55	NA
				VANADIUM	7.4	NA
				ZINC	217	120.0
R2-1B	R2-1	6	12	ALUMINUM	7100	NA
				ANTIMONY	1.9	2.0
				ARSENIC	7.7	6.0
				BARIUM	123	NA
				BERYLLIUM	0.45	NA
				CADMIUM	8.3	0.6
				CALCIUM	98000	NA
				CHROMIUM	75.5	26.0
				COBALT	5.2	NA
				COPPER	90.4	16.0
				IRON	20700	NA
				LEAD	112	31.0
				MAGNESIUM	12400	NA
				MANGANESE	422	460.0
				NICKEL	26.4	16.0
				POTASSIUM	1080	NA
				SELENIUM	1.2	NA
				SILVER	1.6	1.0
				SODIUM	1050	NA
				THALLIUM	0.94	NA
				VANADIUM	14.9	NA
				ZINC	282	120.0
R2-1C	R2-1	18	24	ALUMINUM	5700	NA
				ANTIMONY	2.3	2.0
				ARSENIC	5.5	6.0
				BARIUM	178	NA
				BERYLLIUM	0.29	NA
				CADMIUM	3.6	0.6
				CALCIUM	95000	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-1C (cont.)	R2-1	18	24	CHROMIUM	32.8	26.0
				COBALT	4.4	NA
				COPPER	59.2	16.0
				IRON	16900	NA
				LEAD	160	31.0
				MAGNESIUM	8300	NA
				MANGANESE	386	460.0
				NICKEL	16.6	16.0
				POTASSIUM	976	NA
				SELENIUM	0.85	NA
				SILVER	0.64	1.0
				SODIUM	3090	NA
				THALLIUM	0.62	NA
				VANADIUM	9.4	NA
				ZINC	304	120.0
R2-2A	R2-2	0	6	ALUMINUM	13100	NA
				ANTIMONY	3	2.0
				ARSENIC	19	6.0
				BARIUM	210	NA
				BERYLLIUM	0.81	NA
				CADMIUM	77.7	0.6
				CALCIUM	29800	NA
				CHROMIUM	247	26.0
				COBALT	11.2	NA
				COPPER	433	16.0
				IRON	25600	NA
				LEAD	273	31.0
				MAGNESIUM	11900	NA
				MANGANESE	394	460.0
				NICKEL	52.4	16.0
				POTASSIUM	1860	NA
				SELENIUM	2.1	NA
				SILVER	18	1.0
				SODIUM	878	NA
				THALLIUM	0.81	NA
				VANADIUM	21.2	NA
				ZINC	1640	120.0
R2-2B	R2-2	6	12	ALUMINUM	14800	NA
				ANTIMONY	2.2	2.0
				ARSENIC	23.6	6.0
				BARIUM	208	NA
				BERYLLIUM	1.1	NA
				CADMIUM	33.6	0.6
				CALCIUM	24200	NA
				CHROMIUM	75.9	26.0
				COBALT	12	NA
				COPPER	427	16.0
				IRON	31000	NA
				LEAD	152	31.0
				MAGNESIUM	11600	NA
				MANGANESE	415	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-2B (cont.)	R2-2	6	12	NICKEL	38.2	16.0
				POTASSIUM	1810	NA
				SELENIUM	2.2	NA
				SILVER	22.2	1.0
				SODIUM	998	NA
				THALLIUM	1.1	NA
				VANADIUM	23.1	NA
				ZINC	1190	120.0
R2-2C	R2-2	18	24	ALUMINUM	3600	NA
				ANTIMONY	1.4	2.0
				ARSENIC	5.7	6.0
				BARIUM	79.8	NA
				BERYLLIUM	0.72	NA
				CADMIUM	0.31	0.6
				CALCIUM	162000	NA
				CHROMIUM	5.2	26.0
				COBALT	3	NA
				COPPER	17.7	16.0
				IRON	9880	NA
				LEAD	9.7	31.0
				MAGNESIUM	4200	NA
				MANGANESE	396	460.0
				NICKEL	8.5	16.0
				POTASSIUM	580	NA
				SELENIUM	0.81	NA
				SILVER	0.48	1.0
				SODIUM	1010	NA
				THALLIUM	0.72	NA
				VANADIUM	6.8	NA
				ZINC	33.6	120.0
R2-3A	R2-3	0	6	ALUMINUM	15100	NA
				ANTIMONY	1.9	2.0
				ARSENIC	9.9	6.0
				BARIUM	121	NA
				BERYLLIUM	0.96	NA
				CADMIUM	1.3	0.6
				CALCIUM	22000	NA
				CHROMIUM	18.4	26.0
				COBALT	10.2	NA
				COPPER	49.4	16.0
				IRON	26600	NA
				LEAD	39	31.0
				MAGNESIUM	8350	NA
				MANGANESE	440	460.0
				NICKEL	21.3	16.0
				POTASSIUM	1790	NA
				SELENIUM	1.8	NA
				SILVER	2.2	1.0
				SODIUM	1850	NA
				THALLIUM	0.96	NA
				VANADIUM	20.9	NA
				ZINC	118	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-3B	R2-3	6	12	ALUMINUM	12300	NA
				ANTIMONY	2.8	2.0
				ARSENIC	12.4	6.0
				BARIUM	115	NA
				BERYLLIUM	0.83	NA
				CADMIUM	1.2	0.6
				CALCIUM	25600	NA
				CHROMIUM	17.2	26.0
				COBALT	10.7	NA
				COPPER	52	16.0
				IRON	26800	NA
				LEAD	31.6	31.0
				MAGNESIUM	6320	NA
				MANGANESE	312	460.0
				NICKEL	22.5	16.0
				POTASSIUM	1550	NA
				SELENIUM	2.2	NA
				SILVER	1.2	1.0
				SODIUM	3720	NA
				THALLIUM	1.4	NA
				VANADIUM	22.1	NA
				ZINC	111	120.0
R2-3C	R2-3	18	24	ALUMINUM	5700	NA
				ANTIMONY	1.7	2.0
				ARSENIC	4	6.0
				BARIUM	90.4	NA
				BERYLLIUM	0.26	NA
				CADMIUM	0.37	0.6
				CALCIUM	176000	NA
				CHROMIUM	6.6	26.0
				COBALT	3.4	NA
				COPPER	12.3	16.0
				IRON	11200	NA
				LEAD	4.5	31.0
				MAGNESIUM	6020	NA
				MANGANESE	393	460.0
				NICKEL	10.9	16.0
				POTASSIUM	948	NA
				SELENIUM	0.93	NA
				SILVER	0.042	1.0
				SODIUM	3380	NA
				THALLIUM	0.83	NA
				VANADIUM	8.7	NA
				ZINC	32.5	120.0
R2-4A	R2-4	0	6	ALUMINUM	15100	NA
				ANTIMONY	2	2.0
				ARSENIC	10.2	6.0
				BARIUM	166	NA
				BERYLLIUM	0.9	NA
				CADMIUM	7.6	0.6
				CALCIUM	27000	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-4A (cont.)	R2-4	0	6	CHROMIUM	47.5	26.0
				COBALT	8	NA
				COPPER	112	16.0
				IRON	21800	NA
				LEAD	50.5	31.0
				MAGNESIUM	7160	NA
				MANGANESE	232	460.0
				NICKEL	28.2	16.0
				POTASSIUM	1630	NA
				SELENIUM	2.8	NA
				SILVER	4.4	1.0
				SODIUM	1210	NA
				THALLIUM	0.99	NA
				VANADIUM	24.9	NA
				ZINC	239	120.0
R2-4B	R2-4	6	12	ALUMINUM	10600	NA
				ANTIMONY	2.8	2.0
				ARSENIC	13.7	6.0
				BARIUM	206	NA
				BERYLLIUM	0.95	NA
				CADMIUM	3.4	0.6
				CALCIUM	23800	NA
				CHROMIUM	32.4	26.0
				COBALT	6.5	NA
				COPPER	80.6	16.0
				IRON	18400	NA
				LEAD	26.2	31.0
				MAGNESIUM	4050	NA
				MANGANESE	233	460.0
				NICKEL	23.9	16.0
				POTASSIUM	840	NA
				SELENIUM	3.7	NA
				SILVER	1.8	1.0
				SODIUM	1100	NA
				THALLIUM	1.4	NA
				VANADIUM	25.6	NA
				ZINC	121	120.0
R2-4C	R2-4	18	24	ALUMINUM	5810	NA
				ANTIMONY	4.6	2.0
				ARSENIC	13.5	6.0
				BARIUM	125	NA
				BERYLLIUM	1.2	NA
				CADMIUM	1.5	0.6
				CALCIUM	25400	NA
				CHROMIUM	12.4	26.0
				COBALT	3.2	NA
				COPPER	54.1	16.0
				IRON	9650	NA
				LEAD	6.9	31.0
				MAGNESIUM	2330	NA
				MANGANESE	178	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-4C (cont.)	R2-4	18	24	NICKEL	19.8	16.0
				POTASSIUM	671	NA
				SELENIUM	3.5	NA
				SILVER	1.2	1.0
				SODIUM	2780	NA
				THALLIUM	2.3	NA
				VANADIUM	30.5	NA
				ZINC	32.3	120.0
R2-5A	R2-5	0	6	ALUMINUM	10200	NA
				ANTIMONY	2.6	2.0
				ARSENIC	17	6.0
				BARIUM	133	NA
				BERYLLIUM	0.96	NA
				CADMIUM	2	0.6
				CALCIUM	27600	NA
				CHROMIUM	21.4	26.0
				COBALT	7.6	NA
				COPPER	104	16.0
				IRON	21900	NA
				LEAD	29.2	31.0
				MAGNESIUM	4770	NA
				MANGANESE	296	460.0
				NICKEL	25.6	16.0
				POTASSIUM	883	NA
				SELENIUM	4.5	NA
				SILVER	2.3	1.0
				SODIUM	1540	NA
				THALLIUM	1.3	NA
				VANADIUM	31.8	NA
				ZINC	118	120.0
R2-5B	R2-5	6	12	ALUMINUM	8210	NA
				ANTIMONY	3.6	2.0
				ARSENIC	17.1	6.0
				BARIUM	117	NA
				BERYLLIUM	0.9	NA
				CADMIUM	2	0.6
				CALCIUM	29900	NA
				CHROMIUM	16.3	26.0
				COBALT	4.1	NA
				COPPER	84.7	16.0
				IRON	23100	NA
				LEAD	11.9	31.0
				MAGNESIUM	3160	NA
				MANGANESE	265	460.0
				NICKEL	20.5	16.0
				POTASSIUM	684	NA
				SELENIUM	4.5	NA
				SILVER	1.2	1.0
				SODIUM	1950	NA
				THALLIUM	1.8	NA
				VANADIUM	28.4	NA
				ZINC	59.8	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-5C	R2-5	18	24	ALUMINUM	9250	NA
				ANTIMONY	2.9	2.0
				ARSENIC	8.8	6.0
				BARIUM	159	NA
				BERYLLIUM	0.74	NA
				CADMIUM	0.74	0.6
				CALCIUM	17300	NA
				CHROMIUM	16.9	26.0
				COBALT	4.2	NA
				COPPER	31.8	16.0
				IRON	15200	NA
				LEAD	6	31.0
				MAGNESIUM	3360	NA
				MANGANESE	158	460.0
				NICKEL	19.6	16.0
				POTASSIUM	1440	NA
				SELENIUM	2.6	NA
				SILVER	0.74	1.0
				SODIUM	2380	NA
				THALLIUM	1.5	NA
				VANADIUM	19.1	NA
				ZINC	39.6	120.0
R2-6A	R2-6	0	6	ALUMINUM	7470	NA
				ANTIMONY	4	2.0
				ARSENIC	14.2	6.0
				BARIUM	156	NA
				BERYLLIUM	0.89	NA
				CADMIUM	1.5	0.6
				CALCIUM	34700	NA
				CHROMIUM	20.4	26.0
				COBALT	5.3	NA
				COPPER	66.9	16.0
				IRON	17600	NA
				LEAD	12.2	31.0
				MAGNESIUM	3380	NA
				MANGANESE	387	460.0
				NICKEL	24.6	16.0
				POTASSIUM	491	NA
				SELENIUM	4.2	NA
				SILVER	1	1.0
				SODIUM	1700	NA
				THALLIUM	2	NA
				VANADIUM	30.5	NA
				ZINC	63.6	120.0
R2-6B	R2-6	6	12	ALUMINUM	5660	NA
				ANTIMONY	3.5	2.0
				ARSENIC	12.4	6.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-6B (cont.)	R2-6	6	12	BARIUM	130	NA
				BERYLLIUM	0.88	NA
				CADMIUM	0.97	0.6
				CALCIUM	30200	NA
				CHROMIUM	12	26.0
				COBALT	2.6	NA
				COPPER	49.7	16.0
				IRON	14500	NA
				LEAD	6	31.0
				MAGNESIUM	2570	NA
				MANGANESE	438	460.0
				NICKEL	24.7	16.0
				POTASSIUM	421	NA
				SELENIUM	3.2	NA
				SILVER	0.88	1.0
				SODIUM	2240	NA
				THALLIUM	1.8	NA
				VANADIUM	29.4	NA
				ZINC	40.4	120.0
R2-6C	R2-6	18	24	ALUMINUM	9470	NA
				ANTIMONY	4.3	2.0
				ARSENIC	11.7	6.0
				BARIUM	155	NA
				BERYLLIUM	1.1	NA
				CADMIUM	1.1	0.6
				CALCIUM	23600	NA
				CHROMIUM	16.7	26.0
				COBALT	4.7	NA
				COPPER	41.7	16.0
				IRON	18900	NA
				LEAD	9.3	31.0
				MAGNESIUM	4150	NA
				MANGANESE	188	460.0
				NICKEL	24.5	16.0
				POTASSIUM	1070	NA
				SELENIUM	3.5	NA
				SILVER	1.1	1.0
				SODIUM	4260	NA
				THALLIUM	2.2	NA
				VANADIUM	25.3	NA
				ZINC	42.8	120.0
R2-7A	R2-7	0	6	ALUMINUM	7990	NA
				ANTIMONY	3	2.0
				ARSENIC	14.4	6.0
				BARIUM	188	NA
				BERYLLIUM	0.88	NA
				CADMIUM	1.9	0.6

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-7A (cont.)	R2-7	0	6	CALCIUM	33800	NA
				CHROMIUM	28.1	26.0
				COBALT	5.6	NA
				COPPER	73	16.0
				IRON	19800	NA
				LEAD	20.1	31.0
				MAGNESIUM	4300	NA
				MANGANESE	445	460.0
				NICKEL	23.5	16.0
				POTASSIUM	600	NA
				SELENIUM	4.2	NA
				SILVER	0.74	1.0
				SODIUM	1490	NA
				THALLIUM	1.5	NA
				VANADIUM	29	NA
				ZINC	103	120.0
R2-7B	R2-7	6	12	ALUMINUM	6560	NA
				ANTIMONY	4.4	2.0
				ARSENIC	16.7	6.0
				BARIUM	160	NA
				BERYLLIUM	1.1	NA
				CADMIUM	1.2	0.6
				CALCIUM	35400	NA
				CHROMIUM	15.3	26.0
				COBALT	3.9	NA
				COPPER	56	16.0
				IRON	22700	NA
				LEAD	5.9	31.0
				MAGNESIUM	2850	NA
				MANGANESE	308	460.0
				NICKEL	22.9	16.0
				POTASSIUM	355	NA
				SELENIUM	4.2	NA
				SILVER	1.1	1.0
				SODIUM	2400	NA
				THALLIUM	2.2	NA
				VANADIUM	28.5	NA
				ZINC	47.6	120.0
R2-7C	R2-7	18	24	ALUMINUM	5230	NA
				ANTIMONY	4.3	2.0
				ARSENIC	12.5	6.0
				BARIUM	133	NA
				BERYLLIUM	1.1	NA
				CADMIUM	1.1	0.6
				CALCIUM	34600	NA
				CHROMIUM	10.5	26.0
				COBALT	2.8	NA
				COPPER	45.8	16.0
				IRON	15100	NA
				LEAD	4.4	31.0
				MAGNESIUM	2580	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-7C (cont.)	R2-7	18	24	MANGANESE	157	460.0
				NICKEL	19.8	16.0
				POTASSIUM	371	NA
				SELENIUM	3.8	NA
				SILVER	1.1	1.0
				SODIUM	6280	NA
				THALLIUM	2.1	NA
				VANADIUM	28.8	NA
				ZINC	18.7	120.0
R2-8A	R2-8	0	6	ALUMINUM	7140	NA
				ANTIMONY	1.7	2.0
				ARSENIC	7.1	6.0
				BARIUM	122	NA
				BERYLLIUM	0.46	NA
				CADMIUM	8.4	0.6
				CALCIUM	54700	NA
				CHROMIUM	145	26.0
				COBALT	6.8	NA
				COPPER	109	16.0
				IRON	16100	NA
				LEAD	113	31.0
				MAGNESIUM	11900	NA
				MANGANESE	371	460.0
				NICKEL	35.6	16.0
				POTASSIUM	1190	NA
				SELENIUM	0.97	NA
				SILVER	3	1.0
				SODIUM	865	NA
				THALLIUM	0.87	NA
				VANADIUM	17.9	NA
				ZINC	371	120.0
R2-8B	R2-8	6	12	ALUMINUM	9230	NA
				ANTIMONY	1.6	2.0
				ARSENIC	8	6.0
				BARIUM	142	NA
				BERYLLIUM	0.57	NA
				CADMIUM	11.9	0.6
				CALCIUM	55400	NA
				CHROMIUM	126	26.0
				COBALT	7.6	NA
				COPPER	113	16.0
				IRON	18700	NA
				LEAD	170	31.0
				MAGNESIUM	12000	NA
				MANGANESE	396	460.0
				NICKEL	42.8	16.0
				POTASSIUM	1500	NA
				SELENIUM	1.2	NA
				SILVER	3.3	1.0
				SODIUM	941	NA
				THALLIUM	0.79	NA
				VANADIUM	21.5	NA
				ZINC	389	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-8C	R2-8	18	24	ALUMINUM	11100	NA
				ANTIMONY	1.9	2.0
				ARSENIC	9.4	6.0
				BARIUM	155	NA
				BERYLLIUM	0.57	NA
				CADMIUM	18.4	0.6
				CALCIUM	57900	NA
				CHROMIUM	192	26.0
				COBALT	8	NA
				COPPER	158	16.0
				IRON	22900	NA
				LEAD	304	31.0
				MAGNESIUM	14600	NA
				MANGANESE	426	460.0
				NICKEL	67.8	16.0
				POTASSIUM	1690	NA
				SELENIUM	1.1	NA
				SILVER	4.9	1.0
				SODIUM	869	NA
				THALLIUM	0.95	NA
				VANADIUM	27	NA
				ZINC	530	120.0
R2-9A	R2-9	0	6	ALUMINUM	6370	NA
				ANTIMONY	1.8	2.0
				ARSENIC	5.8	6.0
				BARIUM	98.3	NA
				BERYLLIUM	0.38	NA
				CADMIUM	4.9	0.6
				CALCIUM	55000	NA
				CHROMIUM	63.5	26.0
				COBALT	6.1	NA
				COPPER	82	16.0
				IRON	15200	NA
				LEAD	83.8	31.0
				MAGNESIUM	12100	NA
				MANGANESE	342	460.0
				NICKEL	26.1	16.0
				POTASSIUM	1060	NA
				SELENIUM	0.8	NA
				SILVER	1.8	1.0
				SODIUM	1130	NA
				THALLIUM	0.88	NA
				VANADIUM	15.4	NA
				ZINC	297	120.0
R2-9B	R2-9	6	12	ALUMINUM	6900	NA
				ANTIMONY	1.9	2.0
				ARSENIC	6.9	6.0
				BARIUM	113	NA
				BERYLLIUM	0.48	NA
				CADMIUM	5.4	0.6
				CALCIUM	65100	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-9B (cont.)	R2-9	6	12	CHROMIUM	71.4	26.0
				COBALT	7	NA
				COPPER	90.8	16.0
				IRON	15200	NA
				LEAD	166	31.0
				MAGNESIUM	15500	NA
				MANGANESE	401	460.0
				NICKEL	30	16.0
				POTASSIUM	961	NA
				SELENIUM	0.76	NA
				SILVER	1.9	1.0
				SODIUM	2650	NA
				THALLIUM	0.96	NA
				VANADIUM	17.2	NA
				ZINC	372	120.0
R2-9C	R2-9	18	24	ALUMINUM	11600	NA
				ANTIMONY	2.6	2.0
				ARSENIC	13.5	6.0
				BARIUM	183	NA
				BERYLLIUM	0.8	NA
				CADMIUM	56.6	0.6
				CALCIUM	60400	NA
				CHROMIUM	386	26.0
				COBALT	10.3	NA
				COPPER	240	16.0
				IRON	24100	NA
				LEAD	357	31.0
				MAGNESIUM	14300	NA
				MANGANESE	488	460.0
				NICKEL	91.9	16.0
				POTASSIUM	1570	NA
				SELENIUM	1.6	NA
				SILVER	8.2	1.0
				SODIUM	8680	NA
				THALLIUM	1.3	NA
				VANADIUM	33.3	NA
				ZINC	893	120.0
R3-10A	R3-10	0	6	ALUMINUM	2730	NA
				ANTIMONY	1.2	2.0
				ARSENIC	4.9	6.0
				BARIUM	44.8	NA
				BERYLLIUM	0.3	NA
				CADMIUM	1	0.6
				CALCIUM	44600	NA
				CHROMIUM	26.9	26.0
				COBALT	4.7	NA
				COPPER	52	16.0
				IRON	8650	NA
				LEAD	63.4	31.0
				MAGNESIUM	8150	NA
				MANGANESE	191	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-10A (cont.)	R3-10	0	6	NICKEL	14.9	16.0
				POTASSIUM	335	NA
				SELENIUM	0.46	NA
				SILVER	0.55	1.0
				SODIUM	622	NA
				THALLIUM	0.6	NA
				VANADIUM	8.9	NA
				ZINC	174	120.0
R3-10B	R3-10	6	12	ALUMINUM	2390	NA
				ANTIMONY	1	2.0
				ARSENIC	3.4	6.0
				BARIUM	62.3	NA
				BERYLLIUM	0.26	NA
				CADMIUM	0.86	0.6
				CALCIUM	47300	NA
				CHROMIUM	27.3	26.0
				COBALT	4.7	NA
				COPPER	49.7	16.0
				IRON	8320	NA
				LEAD	34.3	31.0
				MAGNESIUM	9350	NA
				MANGANESE	773	460.0
				NICKEL	24	16.0
				POTASSIUM	262	NA
				SELENIUM	0.3	NA
				SILVER	0.38	1.0
				SODIUM	527	NA
				THALLIUM	0.51	NA
				VANADIUM	8.9	NA
				ZINC	95.1	120.0
R3-10C	R3-10	18	24	ALUMINUM	2530	NA
				ANTIMONY	0.84	2.0
				ARSENIC	3	6.0
				BARIUM	30.4	NA
				BERYLLIUM	0.21	NA
				CADMIUM	0.66	0.6
				CALCIUM	38700	NA
				CHROMIUM	12.4	26.0
				COBALT	3.2	NA
				COPPER	20.4	16.0
				IRON	8390	NA
				LEAD	21.9	31.0
				MAGNESIUM	13300	NA
				MANGANESE	265	460.0
				NICKEL	10.8	16.0
				POTASSIUM	287	NA
				SELENIUM	0.21	NA
				SILVER	0.28	1.0
				SODIUM	542	NA
				THALLIUM	0.42	NA
				VANADIUM	6.6	NA
				ZINC	53	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-11A	R3-11	0	6	ALUMINUM	5110	NA
				ANTIMONY	1.3	2.0
				ARSENIC	8.2	6.0
				BARIUM	91.3	NA
				BERYLLIUM	0.41	NA
				CADMIUM	3.7	0.6
				CALCIUM	77300	NA
				CHROMIUM	424	26.0
				COBALT	5.6	NA
				COPPER	331	16.0
				IRON	14600	NA
				LEAD	124	31.0
				MAGNESIUM	15500	NA
				MANGANESE	230	460.0
				NICKEL	145	16.0
				POTASSIUM	483	NA
				SELENIUM	0.68	NA
				SILVER	4.5	1.0
				SODIUM	544	NA
				THALLIUM	0.65	NA
				VANADIUM	9.1	NA
				ZINC	303	120.0
R3-11B	R3-11	6	12	ALUMINUM	7100	NA
				ANTIMONY	1.6	2.0
				ARSENIC	14.5	6.0
				BARIUM	146	NA
				BERYLLIUM	0.61	NA
				CADMIUM	7.9	0.6
				CALCIUM	47600	NA
				CHROMIUM	1000	26.0
				COBALT	7.7	NA
				COPPER	525	16.0
				IRON	18200	NA
				LEAD	257	31.0
				MAGNESIUM	12300	NA
				MANGANESE	255	460.0
				NICKEL	360	16.0
				POTASSIUM	707	NA
				SELENIUM	0.96	NA
				SILVER	5.9	1.0
				SODIUM	650	NA
				THALLIUM	0.67	NA
				VANADIUM	16.6	NA
				ZINC	526	120.0
R3-11C	R3-11	18	24	ALUMINUM	8520	NA
				ANTIMONY	2.2	2.0
				ARSENIC	14.9	6.0
				BARIUM	124	NA
				BERYLLIUM	0.57	NA
				CADMIUM	5.6	0.6
				CALCIUM	26800	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-11C (cont.)	R3-11	18	24	CHROMIUM	607	26.0
				COBALT	8.1	NA
				COPPER	357	16.0
				IRON	19000	NA
				LEAD	169	31.0
				MAGNESIUM	10600	NA
				MANGANESE	227	460.0
				NICKEL	187	16.0
				POTASSIUM	766	NA
				SELENIUM	1.2	NA
				SILVER	6.6	1.0
				SODIUM	868	NA
				THALLIUM	1.1	NA
				VANADIUM	6.6	NA
				ZINC	323	120.0
R3-1A	R3-1	0	6	ALUMINUM	3010	NA
				ANTIMONY	1.5	2.0
				ARSENIC	4.2	6.0
				BARIUM	46.9	NA
				BERYLLIUM	0.36	NA
				CADMIUM	1.1	0.6
				CALCIUM	39300	NA
				CHROMIUM	53.1	26.0
				COBALT	4.7	NA
				COPPER	59.8	16.0
				IRON	9110	NA
				LEAD	273	31.0
				MAGNESIUM	7190	NA
				MANGANESE	170	460.0
				NICKEL	25.8	16.0
				POTASSIUM	410	NA
				SELENIUM	0.46	NA
				SILVER	0.52	1.0
				SODIUM	680	NA
				THALLIUM	0.73	NA
				VANADIUM	9.7	NA
				ZINC	189	120.0
R3-1B	R3-1	6	12	ALUMINUM	4100	NA
				ANTIMONY	1.5	2.0
				ARSENIC	5.3	6.0
				BARIUM	51.2	NA
				BERYLLIUM	0.36	NA
				CADMIUM	1.4	0.6
				CALCIUM	48200	NA
				CHROMIUM	69.2	26.0
				COBALT	4.9	NA
				COPPER	81.7	16.0
				IRON	11700	NA
				LEAD	74.8	31.0
				MAGNESIUM	10000	NA
				MANGANESE	176	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-1B (cont.)	R3-1	6	12	NICKEL	31.6	16.0
				POTASSIUM	532	NA
				SELENIUM	0.55	NA
				SILVER	0.83	1.0
				SODIUM	664	NA
				THALLIUM	0.73	NA
				VANADIUM	10.6	NA
				ZINC	198	120.0
R3-1C	R3-1	18	24	ALUMINUM	5730	NA
				ANTIMONY	1.9	2.0
				ARSENIC	7.3	6.0
				BARIUM	81.1	NA
				BERYLLIUM	0.46	NA
				CADMIUM	2.6	0.6
				CALCIUM	59400	NA
				CHROMIUM	77.1	26.0
				COBALT	6.1	NA
				COPPER	88.8	16.0
				IRON	15300	NA
				LEAD	118	31.0
				MAGNESIUM	13900	NA
				MANGANESE	254	460.0
				NICKEL	33.4	16.0
				POTASSIUM	682	NA
				SELENIUM	0.78	NA
				SILVER	1.5	1.0
				SODIUM	703	NA
				THALLIUM	0.93	NA
				VANADIUM	14.8	NA
				ZINC	241	120.0
R3-2A	R3-2	0	6	ALUMINUM	3840	NA
				ANTIMONY	1.3	2.0
				ARSENIC	4.4	6.0
				BARIUM	55.3	NA
				BERYLLIUM	0.33	NA
				CADMIUM	1.1	0.6
				CALCIUM	46900	NA
				CHROMIUM	44.3	26.0
				COBALT	4.9	NA
				COPPER	56.6	16.0
				IRON	11400	NA
				LEAD	57.8	31.0
				MAGNESIUM	9940	NA
				MANGANESE	211	460.0
				NICKEL	22.5	16.0
				POTASSIUM	494	NA
				SELENIUM	0.48	NA
				SILVER	0.61	1.0
				SODIUM	630	NA
				THALLIUM	0.65	NA
				VANADIUM	11.2	NA
				ZINC	179	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-2B	R3-2	6	12	ALUMINUM	3720	NA
				ANTIMONY	1.2	2.0
				ARSENIC	5.1	6.0
				BARIUM	58	NA
				BERYLLIUM	0.3	NA
				CADMIUM	1.7	0.6
				CALCIUM	45700	NA
				CHROMIUM	54.5	26.0
				COBALT	5	NA
				COPPER	70.6	16.0
				IRON	11300	NA
				LEAD	73.8	31.0
				MAGNESIUM	9260	NA
				MANGANESE	185	460.0
				NICKEL	29.6	16.0
				POTASSIUM	473	NA
				SELENIUM	0.54	NA
				SILVER	0.76	1.0
				SODIUM	718	NA
				THALLIUM	0.6	NA
				VANADIUM	10.5	NA
				ZINC	218	120.0
R3-2C	R3-2	18	24	ALUMINUM	6770	NA
				ANTIMONY	1.7	2.0
				ARSENIC	7.7	6.0
				BARIUM	92.1	NA
				BERYLLIUM	0.42	NA
				CADMIUM	4.9	0.6
				CALCIUM	55800	NA
				CHROMIUM	170	26.0
				COBALT	6.7	NA
				COPPER	133	16.0
				IRON	16800	NA
				LEAD	193	31.0
				MAGNESIUM	14300	NA
				MANGANESE	272	460.0
				NICKEL	64.6	16.0
				POTASSIUM	786	NA
				SELENIUM	0.73	NA
				SILVER	2.7	1.0
				SODIUM	791	NA
				THALLIUM	0.84	NA
				VANADIUM	20.7	NA
				ZINC	356	120.0
R3-3A	R3-3	0	6	ALUMINUM	6930	NA
				ANTIMONY	1.3	2.0
				ARSENIC	7.4	6.0
				BARIUM	72.4	NA
				BERYLLIUM	0.33	NA
				CADMIUM	2.2	0.6
				CALCIUM	58400	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-3A (cont.)	R3-3	0	6	CHROMIUM	81.7	26.0
				COBALT	6.1	NA
				COPPER	96.2	16.0
				IRON	17200	NA
				LEAD	116	31.0
				MAGNESIUM	13100	NA
				MANGANESE	261	460.0
				NICKEL	34	16.0
				POTASSIUM	1250	NA
				SELENIUM	0.78	NA
				SILVER	1.2	1.0
				SODIUM	870	NA
				THALLIUM	0.67	NA
				VANADIUM	15.3	NA
				ZINC	283	120.0
R3-3B	R3-3	6	12	ALUMINUM	8200	NA
				ANTIMONY	1.3	2.0
				ARSENIC	6.2	6.0
				BARIUM	82	NA
				BERYLLIUM	0.64	NA
				CADMIUM	3.8	0.6
				CALCIUM	50800	NA
				CHROMIUM	122	26.0
				COBALT	5.5	NA
				COPPER	117	16.0
				IRON	17300	NA
				LEAD	188	31.0
				MAGNESIUM	14800	NA
				MANGANESE	260	460.0
				NICKEL	50.4	16.0
				POTASSIUM	1220	NA
				SELENIUM	0.62	NA
				SILVER	2.9	1.0
				SODIUM	788	NA
				THALLIUM	0.64	NA
				VANADIUM	16.1	NA
				ZINC	248	120.0
R3-3C	R3-3	18	24	ALUMINUM	9260	NA
				ANTIMONY	1.4	2.0
				ARSENIC	8.7	6.0
				BARIUM	126	NA
				BERYLLIUM	0.56	NA
				CADMIUM	13.4	0.6
				CALCIUM	59000	NA
				CHROMIUM	789	26.0
				COBALT	7.9	NA
				COPPER	236	16.0
				IRON	21400	NA
				LEAD	283	31.0
				MAGNESIUM	15600	NA
				MANGANESE	282	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-3C (cont.)	R3-3	18	24	NICKEL	195	16.0
				POTASSIUM	1060	NA
				SELENIUM	0.71	NA
				SILVER	4.1	1.0
				SODIUM	845	NA
				THALLIUM	0.72	NA
				VANADIUM	19.3	NA
				ZINC	513	120.0
R3-4A	R3-4	0	6	ALUMINUM	3910	NA
				ANTIMONY	1.5	2.0
				ARSENIC	5.1	6.0
				BARIUM	46.6	NA
				BERYLLIUM	0.36	NA
				CADMIUM	0.79	0.6
				CALCIUM	43300	NA
				CHROMIUM	40.1	26.0
				COBALT	3.9	NA
				COPPER	56.1	16.0
				IRON	12100	NA
				LEAD	51.9	31.0
				MAGNESIUM	7510	NA
				MANGANESE	211	460.0
				NICKEL	18	16.0
				POTASSIUM	443	NA
				SELENIUM	0.48	NA
				SILVER	0.69	1.0
				SODIUM	702	NA
				THALLIUM	0.73	NA
				VANADIUM	8.5	NA
				ZINC	125	120.0
R3-4B	R3-4	6	12	ALUMINUM	4030	NA
				ANTIMONY	1.6	2.0
				ARSENIC	5.4	6.0
				BARIUM	45.8	NA
				BERYLLIUM	0.4	NA
				CADMIUM	1.5	0.6
				CALCIUM	37900	NA
				CHROMIUM	72.2	26.0
				COBALT	4.5	NA
				COPPER	70	16.0
				IRON	12900	NA
				LEAD	95.9	31.0
				MAGNESIUM	8330	NA
				MANGANESE	191	460.0
				NICKEL	34.3	16.0
				POTASSIUM	495	NA
				SELENIUM	0.56	NA
				SILVER	0.78	1.0
				SODIUM	839	NA
				THALLIUM	0.79	NA
				VANADIUM	9.9	NA
				ZINC	188	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-4C	R3-4	18	24	ALUMINUM	5940	NA
				ANTIMONY	1.4	2.0
				ARSENIC	7	6.0
				BARIUM	84.5	NA
				BERYLLIUM	0.35	NA
				CADMIUM	3.3	0.6
				CALCIUM	49400	NA
				CHROMIUM	96.4	26.0
				COBALT	5.8	NA
				COPPER	95.5	16.0
				IRON	15600	NA
				LEAD	170	31.0
				MAGNESIUM	13800	NA
				MANGANESE	276	460.0
				NICKEL	39.9	16.0
				POTASSIUM	677	NA
				SELENIUM	0.64	NA
				SILVER	2.1	1.0
				SODIUM	778	NA
				THALLIUM	0.71	NA
				VANADIUM	15.6	NA
				ZINC	208	120.0
R3-5A	R3-5	0	6	ALUMINUM	1620	NA
				ANTIMONY	1.1	2.0
				ARSENIC	3.6	6.0
				BARIUM	20.2	NA
				BERYLLIUM	0.27	NA
				CADMIUM	0.69	0.6
				CALCIUM	64100	NA
				CHROMIUM	36.2	26.0
				COBALT	3.5	NA
				COPPER	27.8	16.0
				IRON	6140	NA
				LEAD	82.2	31.0
				MAGNESIUM	7510	NA
				MANGANESE	155	460.0
				NICKEL	16	16.0
				POTASSIUM	193	NA
				SELENIUM	0.26	NA
				SILVER	0.27	1.0
				SODIUM	595	NA
				THALLIUM	0.54	NA
				VANADIUM	5.2	NA
				ZINC	92	120.0
R3-5B	R3-5	6	12	ALUMINUM	2410	NA
				ANTIMONY	1	2.0
				ARSENIC	4.6	6.0
				BARIUM	39.9	NA
				BERYLLIUM	0.26	NA
				CADMIUM	1.4	0.6
				CALCIUM	45400	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-5B (cont.)	R3-5	6	12	CHROMIUM	112	26.0
				COBALT	4.3	NA
				COPPER	66.7	16.0
				IRON	10300	NA
				LEAD	161	31.0
				MAGNESIUM	6430	NA
				MANGANESE	144	460.0
				NICKEL	26.1	16.0
				POTASSIUM	241	NA
				SELENIUM	0.47	NA
				SILVER	0.55	1.0
				SODIUM	554	NA
				THALLIUM	0.51	NA
				VANADIUM	7.5	NA
				ZINC	186	120.0
R3-5C	R3-5	18	24	ALUMINUM	5030	NA
				ANTIMONY	1.4	2.0
				ARSENIC	6	6.0
				BARIUM	77.4	NA
				BERYLLIUM	0.36	NA
				CADMIUM	3.7	0.6
				CALCIUM	46800	NA
				CHROMIUM	160	26.0
				COBALT	5.5	NA
				COPPER	124	16.0
				IRON	13200	NA
				LEAD	165	31.0
				MAGNESIUM	12200	NA
				MANGANESE	226	460.0
				NICKEL	59.5	16.0
				POTASSIUM	496	NA
				SELENIUM	0.59	NA
				SILVER	2.5	1.0
				SODIUM	723	NA
				THALLIUM	0.72	NA
				VANADIUM	17.2	NA
				ZINC	269	120.0
R3-6A MS/MSD	R3-6	0	6	ALUMINUM	2250	NA
				ANTIMONY	1.2	2.0
				ARSENIC	3.1	6.0
				BARIUM	8.9	NA
				BERYLLIUM	0.3	NA
				CADMIUM	0.33	0.6
				CALCIUM	83800	NA
				CHROMIUM	13.8	26.0
				COBALT	2.8	NA
				COPPER	12.7	16.0
				IRON	7260	NA
				LEAD	12.8	31.0
				MAGNESIUM	10000	NA
				MANGANESE	205	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-6A MS/MSD (cont.)	R3-6	0	6	NICKEL	8	16.0
				POTASSIUM	328	NA
				SELENIUM	0.18	NA
				SILVER	0.3	1.0
				SODIUM	606	NA
				THALLIUM	0.6	NA
				VANADIUM	6.5	NA
				ZINC	48.4	120.0
R3-6B MS/MSD	R3-6	6	12	ALUMINUM	1750	NA
				ANTIMONY	0.85	2.0
				ARSENIC	5.8	6.0
				BARIUM	9.3	NA
				BERYLLIUM	0.21	NA
				CADMIUM	0.42	0.6
				CALCIUM	76700	NA
				CHROMIUM	12.5	26.0
				COBALT	3	NA
				COPPER	23.1	16.0
				IRON	6110	NA
				LEAD	48.6	31.0
				MAGNESIUM	11300	NA
				MANGANESE	210	460.0
				NICKEL	10.8	16.0
				POTASSIUM	218	NA
				SELENIUM	0.2	NA
				SILVER	0.21	1.0
				SODIUM	435	NA
				THALLIUM	0.43	NA
				VANADIUM	4.1	NA
				ZINC	66.5	120.0
R3-6C MS/MSD	R3-6	18	24	ALUMINUM	6390	NA
				ANTIMONY	1.7	2.0
				ARSENIC	19.5	6.0
				BARIUM	58.3	NA
				BERYLLIUM	0.45	NA
				CADMIUM	13.7	0.6
				CALCIUM	54500	NA
				CHROMIUM	872	26.0
				COBALT	7.6	NA
				COPPER	228	16.0
				IRON	17400	NA
				LEAD	404	31.0
				MAGNESIUM	14600	NA
				MANGANESE	289	460.0
				NICKEL	180	16.0
				POTASSIUM	740	NA
				SELENIUM	0.65	NA
				SILVER	3.6	1.0
				SODIUM	845	NA
				THALLIUM	0.84	NA
				VANADIUM	12	NA
				ZINC	524	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-7A	R3-7	0	6	ALUMINUM	1590	NA
				ANTIMONY	0.86	2.0
				ARSENIC	6.2	6.0
				BARIUM	74.2	NA
				BERYLLIUM	0.21	NA
				CADMIUM	0.44	0.6
				CALCIUM	61600	NA
				CHROMIUM	15.9	26.0
				COBALT	2.8	NA
				COPPER	20.7	16.0
				IRON	6120	NA
				LEAD	30.8	31.0
				MAGNESIUM	9930	NA
				MANGANESE	174	460.0
				NICKEL	10.3	16.0
				POTASSIUM	190	NA
				SELENIUM	0.21	NA
				SILVER	0.21	1.0
				SODIUM	406	NA
				THALLIUM	0.43	NA
				VANADIUM	5.6	NA
				ZINC	59.2	120.0
R3-7B	R3-7	6	12	ALUMINUM	1860	NA
				ANTIMONY	1.1	2.0
				ARSENIC	14.8	6.0
				BARIUM	177	NA
				BERYLLIUM	0.28	NA
				CADMIUM	0.68	0.6
				CALCIUM	55500	NA
				CHROMIUM	25.7	26.0
				COBALT	2.9	NA
				COPPER	58	16.0
				IRON	7760	NA
				LEAD	56.7	31.0
				MAGNESIUM	10400	NA
				MANGANESE	125	460.0
				NICKEL	13.5	16.0
				POTASSIUM	197	NA
				SELENIUM	0.29	NA
				SILVER	0.28	1.0
				SODIUM	710	NA
				THALLIUM	0.55	NA
				VANADIUM	5	NA
				ZINC	88.1	120.0
R3-7C	R3-7	18	24	ALUMINUM	2300	NA
				ANTIMONY	1.1	2.0
				ARSENIC	32.2	6.0
				BARIUM	220	NA
				BERYLLIUM	0.28	NA
				CADMIUM	2.3	0.6
				CALCIUM	30000	NA

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-7C (cont.)	R3-7	18	24	CHROMIUM	174	26.0
				COBALT	4.1	NA
				COPPER	105	16.0
				IRON	7200	NA
				LEAD	92.2	31.0
				MAGNESIUM	8010	NA
				MANGANESE	156	460.0
				NICKEL	53.5	16.0
				POTASSIUM	241	NA
				SELENIUM	0.35	NA
				SILVER	1.1	1.0
				SODIUM	528	NA
				THALLIUM	0.57	NA
				VANADIUM	10.1	NA
				ZINC	169	120.0
R3-8A	R3-8	0	6	ALUMINUM	2990	NA
				ANTIMONY	1.2	2.0
				ARSENIC	4.2	6.0
				BARIUM	39.1	NA
				BERYLLIUM	0.29	NA
				CADMIUM	1.2	0.6
				CALCIUM	53400	NA
				CHROMIUM	59.1	26.0
				COBALT	3.9	NA
				COPPER	50.8	16.0
				IRON	11600	NA
				LEAD	70.3	31.0
				MAGNESIUM	10300	NA
				MANGANESE	190	460.0
				NICKEL	24.1	16.0
				POTASSIUM	381	NA
				SELENIUM	0.31	NA
				SILVER	0.62	1.0
				SODIUM	581	NA
				THALLIUM	0.58	NA
				VANADIUM	7.8	NA
				ZINC	103	120.0
R3-8B	R3-8	6	12	ALUMINUM	1650	NA
				ANTIMONY	1.2	2.0
				ARSENIC	2.9	6.0
				BARIUM	14.7	NA
				BERYLLIUM	0.29	NA
				CADMIUM	0.93	0.6
				CALCIUM	47800	NA
				CHROMIUM	46.1	26.0
				COBALT	2.2	NA
				COPPER	39.1	16.0
				IRON	5560	NA
				LEAD	96.1	31.0
				MAGNESIUM	6380	NA
				MANGANESE	86.8	460.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-8B (cont.)	R3-8	6	12	NICKEL	15.5	16.0
				POTASSIUM	221	NA
				SELENIUM	0.2	NA
				SILVER	0.3	1.0
				SODIUM	607	NA
				THALLIUM	0.58	NA
				VANADIUM	4.3	NA
				ZINC	56.6	120.0
R3-8C	R3-8	18	24	ALUMINUM	5470	NA
				ANTIMONY	1.4	2.0
				ARSENIC	7.7	6.0
				BARIUM	103	NA
				BERYLLIUM	0.36	NA
				CADMIUM	8.7	0.6
				CALCIUM	39100	NA
				CHROMIUM	623	26.0
				COBALT	5.6	NA
				COPPER	210	16.0
				IRON	15600	NA
				LEAD	314	31.0
				MAGNESIUM	9650	NA
				MANGANESE	204	460.0
				NICKEL	151	16.0
				POTASSIUM	652	NA
				SELENIUM	0.68	NA
				SILVER	3.4	1.0
				SODIUM	740	NA
				THALLIUM	0.69	NA
				VANADIUM	10.5	NA
				ZINC	368	120.0
R3-9A	R3-9	0	6	ALUMINUM	5560	NA
				ANTIMONY	1.8	2.0
				ARSENIC	10.5	6.0
				BARIUM	120	NA
				BERYLLIUM	0.5	NA
				CADMIUM	7	0.6
				CALCIUM	38400	NA
				CHROMIUM	1090	26.0
				COBALT	6	NA
				COPPER	405	16.0
				IRON	15300	NA
				LEAD	239	31.0
				MAGNESIUM	8700	NA
				MANGANESE	200	460.0
				NICKEL	447	16.0
				POTASSIUM	667	NA
				SELENIUM	0.78	NA
				SILVER	3.6	1.0
				SODIUM	659	NA
				THALLIUM	0.84	NA
				VANADIUM	12.5	NA
				ZINC	436	120.0

Table 4.6b
Metal Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-9B	R3-9	6	12	ALUMINUM	4890	NA
				ANTIMONY	1.4	2.0
				ARSENIC	7.3	6.0
				BARIUM	90.7	NA
				BERYLLIUM	0.5	NA
				CADMIUM	3.5	0.6
				CALCIUM	51900	NA
				CHROMIUM	731	26.0
				COBALT	5.5	NA
				COPPER	297	16.0
				IRON	13400	NA
				LEAD	254	31.0
				MAGNESIUM	10500	NA
				MANGANESE	193	460.0
				NICKEL	284	16.0
				POTASSIUM	600	NA
				SELENIUM	0.55	NA
				SILVER	2.5	1.0
				SODIUM	722	NA
				THALLIUM	0.68	NA
				VANADIUM	8.9	NA
				ZINC	315	120.0
R3-9C	R3-9	18	24	ALUMINUM	5000	NA
				ANTIMONY	1.4	2.0
				ARSENIC	7.7	6.0
				BARIUM	70.3	NA
				BERYLLIUM	0.36	NA
				CADMIUM	3.2	0.6
				CALCIUM	32500	NA
				CHROMIUM	425	26.0
				COBALT	4.6	NA
				COPPER	249	16.0
				IRON	14100	NA
				LEAD	142	31.0
				MAGNESIUM	6950	NA
				MANGANESE	187	460.0
				NICKEL	160	16.0
				POTASSIUM	594	NA
				SELENIUM	0.57	NA
				SILVER	2.1	1.0
				SODIUM	608	NA
				THALLIUM	0.72	NA
				VANADIUM	4.7	NA
				ZINC	225	120.0

Notes:
Highlighted cells indicate results greater than the NYS Sediment Criteria
NYS - New York State
in - inches
mg/kg - milligrams per kilogram
NA - Not Available

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Table 4.6c
Cyanide and Mercury Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
Cyanide						
007-1016	R1-1	0	6	CYANIDE	3.5	NA
007-1045	R2-11	6	12	CYANIDE	0.84	NA
007-1046		18	24		45.4	NA
007-1047		30	36		1.7	NA
007-1048		42	48		1.5	NA
007-1049		54	60		6.4	NA
007-1050		66	72		1.5	NA
007-1020	R2-12	0	6	CYANIDE	1.1	NA
007-1018	R2-13	0	6	CYANIDE	0.79	NA
007-1051	R2-15	6	12	CYANIDE	0.35	NA
007-1052		18	24		0.45	NA
007-1053		30	36		1.2	NA
007-1054		42	48		1.8	NA
007-1055		54	60		3.3	NA
007-1017	R2-16	0	6	CYANIDE	0.22	NA
007-1019	R2-2	0	6	CYANIDE	0.65	NA
007-1021	R2-8	0	6	CYANIDE	0.52	NA
007-1024	R3-11	0	6	CYANIDE	0.72	NA
007-1039		6	12		1.2	NA
007-1040		18	24		0.58	NA
007-1071	R3-12	6	12	CYANIDE	0.93	NA
007-1072		18	24		2.3	NA
007-1073		30	36		1.7	NA
007-1074		42	48		3.4	NA
007-1023	R3-3	0	6	CYANIDE	0.49	NA
007-1063		6	12		0.63	NA
007-1064		18	24		0.71	NA
007-1065		30	36		2	NA
007-1066		42	48		7	NA
007-1067		54	60		1.9	NA
007-1068		66	72		3.2	NA
007-1069		78	84		1	NA
007-1070		90	96		2.4	NA
007-1026	R3-8	6	12	CYANIDE	0.31	NA
007-1027		18	24		1.5	NA
007-1028		30	36		2	NA
007-1029		42	48		2.4	NA
007-1030		54	60		2.5	NA
007-1031		66	72		6	NA
007-1032		78	84		4.8	NA
007-1033		90	96		2.3	NA

Table 4.6c
Cyanide and Mercury Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
Mercury						
007-1016	R1-1	0	6	MERCURY	0.21	0.15
R1-2A	R1-2	0	6	MERCURY	0.061	0.15
R2-1A	R2-1	0	6	MERCURY	0.65	0.15
R2-1B		6	12		1.6	0.15
R2-1C		18	24		1	0.15
R2-10A	R2-10	0	6	MERCURY	0.094	0.15
R2-10B		6	12		0.16	0.15
R2-10C		18	24		0.047	0.15
R2-11A	R2-11	0	6	MERCURY	0.064	0.15
007-1045		6	12		0.15	0.15
R2-11B		6	12		0.07	0.15
007-1046		18	24		0.32	0.15
R2-11C		18	24		0.19	0.15
007-1047		30	36		0.59	0.15
007-1020	R2-12	0	6	MERCURY	0.17	0.15
R2-12A		0	6		0.17	0.15
R2-12B		6	12		0.26	0.15
R2-12C		18	24		0.27	0.15
R2-13A	R2-13	0	6	MERCURY	0.097	0.15
007-1018		0	6		0.088	0.15
R2-13B		6	12		0.18	0.15
R2-13C		18	24		0.26	0.15
R2-14A	R2-14	0	6	MERCURY	0.16	0.15
R2-14B		6	12		0.17	0.15
R2-14C		18	24		0.38	0.15
R2-15A	R2-15	0	6	MERCURY	0.05	0.15
007-1051		6	12		0.099	0.15
007-1052		18	24		0.52	0.15
R2-15C		18	24		0.26	0.15
007-1053		30	36		0.21	0.15
007-1054		42	48		0.34	0.15
007-1055		54	60		0.68	0.15
R2-16A	R2-16	0	6	MERCURY	0.28	0.15
007-1017		0	6		0.065	0.15
R2-16B		6	12		0.1	0.15
R2-16C		18	24		0.11	0.15
R2-17A	R2-17	0	6	MERCURY	0.16	0.15
R2-17B		6	12		0.17	0.15
R2-17C		18	24		0.13	0.15
R2-2A	R2-2	0	6	MERCURY	1.2	0.15
007-1019		0	6		0.19	0.15
R2-2B		6	12		2.1	0.15
R2-2C		18	24		0.046	0.15

Table 4.6c
Cyanide and Mercury Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-3A	R2-3	0	6	MERCURY	0.44	0.15
R2-3B		6	12		0.42	0.15
R2-3C		18	24		0.05	0.15
R2-4A	R2-4	0	6	MERCURY	1.3	0.15
R2-4B		6	12		0.55	0.15
R2-5A	R2-5	0	6	MERCURY	0.33	0.15
R2-5B		6	12		0.93	0.15
R2-6A	R2-6	0	6	MERCURY	0.18	0.15
R2-6B		6	12		0.2	0.15
R2-7A	R2-7	0	6	MERCURY	0.25	0.15
R2-7B		6	12		0.23	0.15
007-1021	R2-8	0	6	MERCURY	0.29	0.15
R2-8A		0	6		0.25	0.15
R2-8B		6	12		0.34	0.15
R2-8C		18	24		0.27	0.15
R2-9A	R2-9	0	6	MERCURY	0.22	0.15
R2-9B		6	12		0.1	0.15
R2-9C		18	24		0.28	0.15
R3-1A	R3-1	0	6	MERCURY	0.086	0.15
R3-1B		6	12		0.21	0.15
R3-1C		18	24		0.13	0.15
R3-10A	R3-10	0	6	MERCURY	0.08	0.15
R3-10B		6	12		0.1	0.15
R3-10C		18	24		0.07	0.15
R3-11A	R3-11	0	6	MERCURY	0.25	0.15
007-1024		0	6		0.071	0.15
R3-11B		6	12		0.53	0.15
007-1039		6	12		0.2	0.15
R3-11C		18	24		0.72	0.15
007-1071	R3-12	6	12	MERCURY	0.21	0.15
007-1072		18	24		0.35	0.15
007-1073		30	36		1.1	0.15
007-1074		42	48		0.67	0.15
007-1075		54	60		0.6	0.15
007-1076		66	72		0.11	0.15
R3-2A	R3-2	0	6	MERCURY	0.067	0.15
R3-2B		6	12		0.096	0.15
R3-2C		18	24		0.17	0.15
R3-3A	R3-3	0	6	MERCURY	0.18	0.15
007-1063		6	12		0.26	0.15
R3-3B		6	12		0.25	0.15
007-1064		18	24		0.2	0.15
007-1065		30	36		0.37	0.15
007-1066		42	48		0.4	0.15

Table 4.6c
Cyanide and Mercury Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
007-1067	R3-3 (cont.)	54	60	MERCURY	0.93	0.15
007-1068		66	72		1	0.15
007-1069		78	84		0.73	0.15
007-1070		90	96		0.83	0.15
R3-4C	R3-4	18	24	MERCURY	0.2	0.15
007-1025	R3-5	0	6	MERCURY	0.12	0.15
R3-5A		0	6		0.052	0.15
R3-5B		6	12		0.086	0.15
R3-5C		18	24		0.25	0.15
R3-6B MS/MSD	R3-6	6	12	MERCURY	0.034	0.15
R3-6C MS/MSD		18	24		0.45	0.15
R3-7A	R3-7	0	6	MERCURY	0.028	0.15
R3-7B		6	12		0.065	0.15
R3-7C		18	24		0.11	0.15
R3-8A	R3-8	0	6	MERCURY	0.07	0.15
007-1026		6	12		0.16	0.15
R3-8B		6	12		0.033	0.15
R3-8C		18	24		0.29	0.15
007-1027		18	24		0.15	0.15
007-1028		30	36		0.3	0.15
007-1029		42	48		0.2	0.15
007-1030		54	60		0.35	0.15
007-1031		66	72		0.52	0.15
007-1032		78	84		0.45	0.15
007-1033		90	96		0.33	0.15
R3-9A	R3-9	0	6	MERCURY	0.27	0.15
007-1022		0	6		0.1	0.15
R3-9B		6	12		0.26	0.15
R3-9C		18	24		0.41	0.15

Notes:
Highlighted cells indicate results greater than the NYS Sediment Criteria
NYS - New York State
in - inches
mg/kg - milligrams per kilogram
NA - Not Available

Table 4.6d
PCB Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ug/kg)	NYS Sediment Criteria (µg/kg)	TSCA High Occupancy Area Minimum Criteria for PCBs (µg/kg)
Aroclor-1242							
R1-1A	R1-1	0	6	Aroclor-1242	49	0.0008	1000
R1-2A	R1-2	0	6	Aroclor-1242	230	0.0008	1000
R1-3A	R1-3	0	6	Aroclor-1242	49	0.0008	1000
R1-4A	R1-4	0	6	Aroclor-1242	55	0.0008	1000
R2-1C	R2-1	18	24	Aroclor-1242	61	0.0008	1000
R2-10A	R2-10	0	6	Aroclor-1242	450	0.0008	1000
R2-10B		6	12		430	0.0008	1000
R2-10C		18	24		3800	0.0008	1000
R2-11A	R2-11	0	6	Aroclor-1242	420	0.0008	1000
R2-11B		6	12		3300	0.0008	1000
R2-11C		18	24		15000	0.0008	1000
R2-12A	R2-12	0	6	Aroclor-1242	1600	0.0008	1000
R2-12B		6	12		3900	0.0008	1000
R2-12C		18	24		7000	0.0008	1000
R2-13A	R2-13	0	6	Aroclor-1242	1100	0.0008	1000
R2-13B		6	12		140	0.0008	1000
R2-13C		18	24		480	0.0008	1000
R2-14A	R2-14	0	6	Aroclor-1242	590	0.0008	1000
R2-14B		6	12		1100	0.0008	1000
R2-14C		18	24		2000	0.0008	1000
R2-15B	R2-15	6	12	Aroclor-1242	2000	0.0008	1000
R2-15C		18	24		750	0.0008	1000
R2-16B	R2-16	6	12	Aroclor-1242	400	0.0008	1000
R2-16C		18	24		1400	0.0008	1000
R2-17A	R2-17	0	6	Aroclor-1242	170	0.0008	1000
R2-17B		6	12		61	0.0008	1000
R2-17C		18	24		83	0.0008	1000
R2-4A	R2-4	0	6	Aroclor-1242	1200	0.0008	1000
R2-4B		6	12		890	0.0008	1000
R2-7A	R2-7	0	6	Aroclor-1242	140	0.0008	1000
R2-8A	R2-8	0	6	Aroclor-1242	490	0.0008	1000
R2-8B		6	12		270	0.0008	1000
R2-8C		18	24		2800	0.0008	1000
R2-9A	R2-9	0	6	Aroclor-1242	160	0.0008	1000
R2-9B		6	12		240	0.0008	1000
R2-9C		18	24		4600	0.0008	1000
R3-1A	R3-1	0	6	Aroclor-1242	2200	0.0008	1000
R3-1B		6	12		2000	0.0008	1000
R3-1C		18	24		1700	0.0008	1000
R3-10A	R3-10	0	6	Aroclor-1242	590	0.0008	1000
R3-10B		6	12		920	0.0008	1000
R3-10C		18	24		330	0.0008	1000

Table 4.6d
PCB Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ug/kg)	NYS Sediment Criteria (µg/kg)	TSCA High Occupancy Area Minimum Criteria for PCBs (µg/kg)
R3-11A	R3-11	0	6	Aroclor-1242	16000	0.0008	1000
R3-11B		6	12		43000	0.0008	1000
R3-11C		18	24		4200	0.0008	1000
R3-2A	R3-2	0	6	Aroclor-1242	900	0.0008	1000
R3-2B		6	12		1400	0.0008	1000
R3-2C		18	24		4200	0.0008	1000
R3-3A	R3-3	0	6	Aroclor-1242	2700	0.0008	1000
R3-3B		6	12		2100	0.0008	1000
R3-3C		18	24		9800	0.0008	1000
R3-4A	R3-4	0	6	Aroclor-1242	1600	0.0008	1000
R3-4B		6	12		3300	0.0008	1000
R3-4C		18	24		2600	0.0008	1000
R3-5A	R3-5	0	6	Aroclor-1242	2500	0.0008	1000
R3-5B		6	12		4400	0.0008	1000
R3-5C		18	24		6200	0.0008	1000
R3-6A	R3-6	0	6	Aroclor-1242	620	0.0008	1000
R3-6B		6	12	*Aroclor-1242*	*7700*	0.0008	1000
R3-6B		6	12	*Aroclor-1242*	*1100*	0.0008	1000
R3-7A	R3-7	0	6	Aroclor-1242	1700	0.0008	1000
R3-7B		6	12		2000	0.0008	1000
R3-7C		18	24		7300	0.0008	1000
R3-8A	R3-8	0	6	Aroclor-1242	2900	0.0008	1000
R3-8B		6	12		2800	0.0008	1000
R3-8C		18	24		9400	0.0008	1000
R3-9A	R3-9	0	6	Aroclor-1242	19000	0.0008	1000
R3-9B		6	12		14000	0.0008	1000
R3-9C		18	24		3300	0.0008	1000
Aroclor-1248							
007-1045	R2-11	6	12	Aroclor-1248	3400	0.0008	1000
007-1046		18	24		26000	0.0008	1000
007-1047		30	36		260	0.0008	1000
007-1048		42	48		310	0.0008	1000
007-1049		54	60		600	0.0008	1000
007-1050		66	72		17	0.0008	1000
007-1051	R2-15	6	12	Aroclor-1248	1700	0.0008	1000
007-1052		18	24		2900	0.0008	1000
007-1053		30	36		5500	0.0008	1000
007-1054		42	48		3800	0.0008	1000
007-1055		54	60		1800	0.0008	1000
007-1056		66	72		380	0.0008	1000
007-1057		78	84		31	0.0008	1000
007-1058	R2-7	6	12	Aroclor-1248	150	0.0008	1000
007-1059		18	24		92	0.0008	1000
007-1060		30	36		54	0.0008	1000
007-1061		42	48		47	0.0008	1000
007-1062		54	60		46	0.0008	1000
007-1039	R3-11	6	12	Aroclor-1248	8300	0.0008	1000
007-1040		18	24		840	0.0008	1000
007-1041		30	36		32	0.0008	1000
007-1042		42	48		42	0.0008	1000
007-1043		54	60		45	0.0008	1000

Table 4.6d
PCB Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ug/kg)	NYS Sediment Criteria (µg/kg)	TSCA High Occupancy Area Minimum Criteria for PCBs (µg/kg)
007-1071	R3-12	6	12	Aroclor-1248	4900	0.0008	1000
007-1072		18	24		15000	0.0008	1000
007-1073		30	36		6200	0.0008	1000
007-1074		42	48		3700	0.0008	1000
007-1075		54	60		800	0.0008	1000
007-1076		66	72		57	0.0008	1000
007-1077		78	84		3.7	0.0008	1000
007-3095	R3-13	0	6	Aroclor-1248	315000	0.0008	1000
007-3107	R3-14	60	72	Aroclor-1248	12300	0.0008	1000
007-3112	R3-15	12	24	Aroclor-1248	303000	0.0008	1000
007-1063	R3-3	6	12	Aroclor-1248	3500	0.0008	1000
007-1064		18	24		5500	0.0008	1000
007-1065		30	36		11000	0.0008	1000
007-1066		42	48		24000	0.0008	1000
007-1067		54	60		2800	0.0008	1000
007-1068		66	72		5400	0.0008	1000
007-1069		78	84		3000	0.0008	1000
007-1070		90	96		2700	0.0008	1000
007-1026	R3-8	6	12	Aroclor-1248	13000	0.0008	1000
007-1027		18	24		11000	0.0008	1000
007-1028		30	36		25000	0.0008	1000
007-1029		42	48		35000	0.0008	1000
007-1030		54	60		38000	0.0008	1000
007-1031		66	72		40000	0.0008	1000
007-1032		78	84		69000	0.0008	1000
007-1033		90	96		46000	0.0008	1000
Aroclor-1260							
R2-15A	R2-15	0	6	Aroclor-1260	18000	0.0008	1000
007-3095	R3-13	0	6	Aroclor-1260	1930	0.0008	1000
007-3107	R3-14	60	72	Aroclor-1260	299	0.0008	1000
007-3112	R3-15	12	24	Aroclor-1260	5180	0.0008	1000

Notes:
Highlighted cells indicate results greater than TSCA High Occupany Area Mimimum Criteria for PCBs
Results in italics indicate samples analyzed for the same chemical multiple times
PCB - polychlorinated biphenyl
NYS - New York State
TSCA - Toxic Substances Control Act
in - inches
µg/kg - micrograms per kilogram
NA - Not Available

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Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R1-1A	R1-1	0	6	2-Butanone	11	NA
				Acetone	21	NA
				Carbon disulfide	11	NA
				Chloromethane	0.74	NA
				Toluene	11	49
R1-1B	R1-1	6	12	Carbon disulfide	9.8	NA
				Toluene	9.8	49
R1-1C	R1-1	18	24	Carbon disulfide	15	NA
				Toluene	12	49
R1-2A	R1-2	0	6	2-Butanone	10	NA
				Acetone	25	NA
				Carbon disulfide	9.6	NA
				Toluene	9.6	49
R1-2B	R1-2	6	12	Acetone	7.3	NA
				Carbon disulfide	10	NA
				Chloromethane	0.63	NA
R1-2C	R1-2	18	24	Acetone	8.2	NA
				Carbon disulfide	9.8	NA
				Chloromethane	1.7	NA
R1-3A	R1-3	0	6	Carbon disulfide	11	NA
				Toluene	11	49
R1-3B	R1-3	6	12	Carbon disulfide	11	NA
				Toluene	11	49
R1-3C	R1-3	18	24	Carbon disulfide	10	NA
				Chloromethane	1.8	NA
				Toluene	10	49
R1-4A	R1-4	0	6	2-Butanone	5.6	NA
				Acetone	15	NA
				Carbon disulfide	11	NA
				Methylene chloride	11	NA
				Toluene	11	49
R1-4B	R1-4	6	12	Acetone	9.2	NA
				Carbon disulfide	11	NA
				Chloromethane	1.6	NA
				Methylene chloride	11	NA
R1-4C	R1-4	18	24	2-Butanone	5.8	NA
				Acetone	16	NA
				Carbon disulfide	31	NA
				Chloromethane	0.55	NA
				Methylene chloride	9.9	NA
				Toluene	9.9	49
R2-10A	R2-10	0	6	2-Butanone	24	NA
				Acetone	66	NA
				Carbon disulfide	15	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-10A (cont.)	R2-10	0	6	Chloromethane	4	NA
				m,p-Xylene	0.46	92
				o-Xylene	0.33	92
R2-10B	R2-10	6	12	1,1,2,2-Tetrachloroethane	99	0.3
				1-Methyldecahydronaphthalene	90	NA
				2-Butanone	47	NA
				Acetone	120	NA
				Benzene, 1,2,4,5-tetramethyl-	43	NA
				Benzene, 1-ethyl-2,4-dimethyl-	150	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	250	NA
				Benzene, pentamethyl-	19	NA
				C4 Benzene	300	0.6
				C5 Benzene	*17*	0.6
				C5 Benzene	*17*	0.6
				C5 Benzene	*21*	0.6
				C5 Benzene	*45*	0.6
				C5 Benzene	*64*	0.6
				C5 Benzene	*75*	0.6
				C5 Benzene	*120*	0.6
				C5 Benzene	*160*	0.6
				Carbon disulfide	16	NA
				Chloromethane	15	NA
				cis-1,2-Dichloroethene	1.3	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*26*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*62*	NA
				Ethylbenzene	3.7	24
				Isopropylbenzene	1.8	12
				m,p-Xylene	13	92
				Methylcyclohexane	15	NA
				Methylene chloride	16	NA
				Naphthalene, decahydro-, trans-	210	NA
				Naphthalene, decahydro-2-methyl-	200	NA
				Oxalic acid, isobutyl nonyl ester	270	NA
				o-Xylene	9.5	92
				Toluene	16	49
				Total Alkanes	5400	NA
				Unknown	17	NA
				Unknown Aromatic	*29*	NA
				Unknown Aromatic	*44*	NA
R2-10C	R2-10	18	24	2-Benzofuranmethanol, 2,4,5,6,7,7a-hexahydro-4,4	27	NA
				2-Butanone	27	NA
				Acetone	71	NA
				C4 Benzene	23	0.6
				Carbon disulfide	16	NA
				Chloromethane	4.8	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	38	NA
				Ethylbenzene	1.1	24
				Isopropylbenzene	0.34	12

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-10C (cont.)	R2-10	18	24	m,p-Xylene	0.73	92
				Naphthalene, 1,2,3,4-tetrahydro-1,4-dimethyl-	18	NA
				Naphthalene, decahydro-, trans-	28	NA
				Naphthalene, decahydro-2,6-dimethyl-	20	NA
				Naphthalene, decahydro-2-methyl-	*26*	NA
				Naphthalene, decahydro-2-methyl-	*31*	NA
				o-Xylene	0.65	92
				Thiophene, 2-heptyl-	19	NA
				Toluene	16	49
				Total Alkanes	1200	NA
				Unknown Aromatic	24	NA
R2-11A	R2-11	0	6	2-Butanone	22	NA
				Acetone	55	NA
				Carbon disulfide	15	NA
				Methylene chloride	15	NA
R2-11B	R2-11	6	12	1,2-Dichlorobenzene	1	12.0
				1-Hexanol, 2-ethyl-	21	NA
				2-Butanone	20	NA
				Acetone	52	NA
				C12 Alkene	14	NA
				Carbon disulfide	12	NA
				Chloromethane	4.8	NA
				Ethylbenzene	1.2	24
				m,p-Xylene	2.1	92
				Methylene chloride	12	NA
				o-Xylene	2	92
				Toluene	12	49
				Total Alkanes	560	NA
				trans-Decalin, 2-methyl-	15	NA
R2-11C	R2-11	18	24	1-(2-Hydroxyethyl)-1,2,5,5-tetramethyl-cis-decal	23	NA
				1,1-Dichloroethane	1.1	NA
				1,2-Dichlorobenzene	3.2	12.0
				1,4-Dichlorobenzene	1.2	12.0
				1H-Indene, octahydro-2,2,4,4,7,7-hexamethyl-, tr	38	NA
				1H-Pyrazole, 1-methyl-4-(4,4,5,5-tetramethyl-1,3	17	NA
				1-Methyldecahydronaphthalene	51	NA
				2-Butanone	50	NA
				Acetone	150	NA
				Carbon disulfide	16	NA
				cis-1,2-Dichloroethene	1.4	NA
				Methylene chloride	16	NA
				Naphthalene, decahydro-, trans-	60	NA
				o-Xylene	1	92
				Toluene	16	49
				Total Alkanes	680	NA
				trans-Decalin, 2-methyl-	55	NA
				Uknown Aromatic	20	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-11C (cont.)	R2-11	18	24	Unknown	27	NA
				Unknown Acid Ester	21	NA
R2-12A	R2-12	0	6	1,1,1-Trichloroethane	6.6	NA
				1,1-Dichloroethane	0.96	NA
				1H-Indene, 2,3-dihydro-1,2-dimethyl-	11	NA
				1-Methyldecahydronaphthalene	33	NA
				2(1H)-Naphthalenone, octahydro-1-methyl-, (1.alp	12	NA
				2(1H)-Naphthalenone, octahydro-4a,5-dimethyl-, (	11	NA
				2(1H)-Naphthalenone, octahydro-4a,7,7-trimethyl-	11	NA
				Acetone	40	NA
				Aromatic	15	NA
				Benzene, 1,2,3,4-tetramethyl-	84	NA
				Benzene, 1,2,4,5-tetramethyl-	26	NA
				Benzene, 1-methyl-3-(1-methylethyl)-	55	NA
				Benzene, 1-methyl-4-(1-methylethyl)-	100	NA
				Benzene, 2,4-dimethyl-1-(1-methylethyl)	14	NA
				C3 Benzene	120	0.6
				C4 Benzene	*30*	0.6
				C4 Benzene	*120*	0.6
				C5 Benzene	*12*	0.6
				C5 Benzene	*15*	0.6
				C5 Benzene	*43*	0.6
				C5 Benzene	*45*	0.6
				Carbon disulfide	9.4	NA
				cis-1,2-Dichloroethene	1.6	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*11*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*21*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*26*	NA
				Ethylbenzene	6.1	24
				Isopropylbenzene	3.1	12
				m,p-Xylene	13	92
				Methylcyclohexane	12	NA
				Methylene chloride	1.1	NA
				Naphthalene, decahydro-, trans-	68	NA
				o-Xylene	12	92
				Toluene	9.4	49
				Total Alkanes	2400	NA
				Vinyl chloride	2.1	0.07
R2-12B	R2-12	6	12	1,1-Dichloroethane	1.4	NA
				1-Buten-3-one, 1-(2-carboxy-4,4-dimethylcyclobut	14	NA
				1-Cyclohexanol, 2-(3-methyl-1,3-butadienyl)-1,3,	18	NA
				1-Decanol, 2-ethyl-	560	NA
				1H-Indene, 2,3-dihydro-1,2-dimethyl-	18	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-12B (cont.)	R2-12	6	12	1H-Indene, octahydro-2,2,4,4,7,7-hexamethyl-, tr	42	NA
				1-Pentene, 2,4,4-trimethyl-	13	NA
				Acetone	39	NA
				Adamantane, 1-isothiocyanato-3-methyl-	34	NA
				Benzene	7	0.6
				Benzene, 1,2,3,5-tetramethyl-	120	NA
				Benzene, 1,2,4,5-tetramethyl-	42	NA
				Benzene, 1-ethyl-2,4-dimethyl-	81	NA
				Benzene, 1-ethyl-3,5-dimethyl-	47	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	43	NA
				Benzene, 1-methyl-3-(1-methylethyl)-	*19*	NA
				Benzene, 1-methyl-3-(1-methylethyl)-	*140*	NA
				Benzene, 1-methyl-4-(1-methylpropyl)-	20	NA
				Benzene, pentamethyl-	23	NA
				C3 Benzene	190	0.6
				C4 Benzene	*49*	0.6
				C4 Benzene	*180*	0.6
				C5 Benzene	*14*	0.6
				C5 Benzene	*16*	0.6
				C5 Benzene	*18*	0.6
				C5 Benzene	*19*	0.6
				C5 Benzene	*45*	0.6
				C5 Benzene	*57*	0.6
				C5 Benzene	*57*	0.6
				Carbon disulfide	9.5	NA
				cis-1,2-Dichloroethene	1.7	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*16*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*16*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*29*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*36*	NA
				Ethylbenzene	8.7	24
				Isopropylbenzene	3.8	12
				m,p-Xylene	21	92
				Methylcyclohexane	21	NA
				Methylene chloride	9.5	NA
				Naphthalene, 1,2,3,4-tetrahydro-1,4-dimethyl-	14	NA
				Naphthalene, decahydro-	88	NA
				Naphthalene, decahydro-2-methyl-	94	NA
				Oxalic acid, 6-ethyloct-3-yl hexyl ester	19	NA
				o-Xylene	16	92
				Tetrachloroethene	0.75	0.8
				Toluene	9.5	49
				Total Alkanes	3000	NA
				trans-1,2-Dichloroethene	0.98	NA
				Vinyl chloride	4.1	0.07
R2-12C	R2-12	18	24	1,1-Dichloroethane	6.6	NA
				1H-Indene,2,3-dihydro-2,2-dimethyl-	28	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-12C (cont.)	R2-12	18	24	2-Butanone	24	NA
				3-Phenylbut-1-ene	65	NA
				Acetone	55	NA
				Benzene, 1,2,3,4-tetramethyl-	380	NA
				Benzene, 1,2,3,5-tetramethyl-	78	NA
				Benzene, 1,2,4,5-tetramethyl-	220	NA
				Benzene, 1,3-dimethyl-5-(1-methylethyl)	57	NA
				Benzene, 1-ethyl-2,3-dimethyl-	110	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	200	NA
				Benzene, 1-methyl-3-(1-methylethyl)-	59	NA
				Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-, (.+/	48	NA
				C4 Benzene	*24*	0.6
				C4 Benzene	*59*	0.6
				C4 Benzene	*69*	0.6
				C4 Benzene	*150*	0.6
				C4 Benzene	*150*	0.6
				C5 Benzene	*33*	0.6
				C5 Benzene	*46*	0.6
				C5 Benzene	*56*	0.6
				C5 Benzene	*110*	0.6
				Carbon disulfide	13	NA
				cis-1,2-Dichloroethene	2.9	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	32	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	42	NA
				Ethylbenzene	18	24
				Isopropylbenzene	5	12
				m,p-Xylene	7	92
				Methylcyclohexane	6.7	NA
				Methylene chloride	1.2	NA
				Naphthalene, 1,2,3,4-tetrahydro-1,4-dimethyl-	33	NA
				Naphthalene, decahydro-	83	NA
				Naphthalene, decahydro-2-methyl-	130	NA
				o-Xylene	27	92
				Toluene	13	49
				Total Alkanes	3600	NA
				Vinyl chloride	1.8	0.07
R2-13A	R2-13	0	6	2-Butanone	15	NA
				Acetone	34	NA
				Carbon disulfide	9.9	NA
				Ethylbenzene	0.97	24
				m,p-Xylene	0.91	92
				o-Xylene	0.65	92
				Toluene	9.9	49
				Total Alkanes	80	NA
R2-13B	R2-13	6	12	2-Butanone	17	NA
				Acetone	45	NA
				Carbon disulfide	11	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-13B (cont.)	R2-13	6	12	Decahydro-4,4,8,9,10-pentamethylnaphthalene	11	NA
				Naphthalene, decahydro-2-methyl-	13	NA
				o-Xylene	0.75	92
				Toluene	11	49
				Total Alkanes	300	NA
R2-13C	R2-13	18	24	1H-Indene, octahydro-2,2,4,4,7,7-hexamethyl-, tr	54	NA
				2-Butanone	27	NA
				Acetone	71	NA
				Carbon disulfide	13	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*18*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*35*	NA
				Naphthalene, decahydro-2-methyl-	*60*	NA
				Naphthalene, decahydro-2-methyl-	*80*	NA
				o-Xylene	1.3	92
				Toluene	13	49
				Total Alkanes	2600	NA
R2-14A	R2-14	0	6	1H-Indene, octahydro-2,2,4,4,7,7-hexamethyl-, tr	14	NA
				1R-.alpha.-Pinene	38	NA
				2-Butanone	18	NA
				Acetone	31	NA
				Camphene	32	NA
				Carbon disulfide	12	NA
				cis-1,2-Dichloroethene	2.9	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	14	NA
				Ethylbenzene	0.37	24
				Methylene chloride	12	NA
				Naphthalene, decahydro-2,6-dimethyl-	15	NA
				Toluene	12	49
				Total Alkanes	340	NA
				trans,trans-1,8-	15	NA
				Unknown Aromatic	15	NA
R2-14B	R2-14	6	12	1H-Indene, 2,3-dihydro-5-methyl-	58	NA
				2-Butanone	61	NA
				4-Nonanone, 2,6,8-trimethyl-	30	NA
				Acetone	150	NA
				Benzene, 1,2,3-trimethyl-	*33*	NA
				Benzene, 1,2,3-trimethyl-	*65*	NA
				Benzene, 1,2,4,5-tetramethyl-	*26*	NA
				Benzene, 1,2,4,5-tetramethyl-	*76*	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	120	NA
				Benzene, 1-methyl-4-(1-methylethyl)-	23	NA
				Benzene, 2-ethyl-1,3-dimethyl-	53	NA
				C4 Benzene	46	0.6
				C5 Benzene	*14*	0.6
				C5 Benzene	*20*	0.6

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-14B (cont.)	R2-14	6	12	Carbon disulfide	13	NA
				Chloromethane	3.3	NA
				Ethylbenzene	3.6	24
				Isopropylbenzene	1.7	12
				m,p-Xylene	5.3	92
				Methylcyclohexane	2.1	NA
				Methylene chloride	1.8	NA
				Naphthalene, 1,6-dimethyl-	20	NA
				Naphthalene, decahydro-	49	NA
				Oxalic acid, 6-ethyloct-3-yl hexyl ester	35	NA
				o-Xylene	5.2	92
				Toluene	13	49
				Total Alkanes	2000	NA
				Unknown Aromatic	29	NA
R2-14C	R2-14	18	24	2-Butanone	16	NA
				Acetone	36	NA
				Carbon disulfide	13	NA
				Ethylbenzene	0.3	24
				Toluene	13	49
R2-15A	R2-15	0	6	2-Butanone	9.7	NA
				Acetone	24	NA
				Carbon disulfide	6.9	NA
				Chloromethane	1.1	NA
				m,p-Xylene	0.34	92
				Toluene	6.9	49
				Total Alkanes	81	NA
R2-15B	R2-15	6	12	2-Butanone	15	NA
				Acetone	39	NA
				Carbon disulfide	7.5	NA
				Chloromethane	1.1	NA
				Isopropylbenzene	0.19	12
				m,p-Xylene	0.38	92
				o-Xylene	0.43	92
				Toluene	7.5	49
				Total Alkanes	40	NA
R2-15C	R2-15	18	24	2-Butanone	26	NA
				Acetone	73	NA
				C12 Hydrocarbon	47	NA
				Carbon disulfide	10	NA
				Chloromethane	2.3	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	11	NA
				Isopropylbenzene	0.61	12
				m,p-Xylene	1.3	92
				Naphthalene, decahydro-2-methyl-	27	NA
				Oxalic acid, 6-ethyloct-3-yl isobutyl	26	NA
				o-Xylene	1.3	92
				Toluene	10	49
				Total Alkanes	1200	NA
				trans-Decalin, 2-methyl-	26	NA
				Unknown Aromatic	20	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-16A	R2-16	0	6	2-Butanone	14	NA
				Acetone	38	NA
				Carbon disulfide	7	NA
				m,p-Xylene	0.17	92
				Toluene	7	49
R2-16B	R2-16	6	12	2-Butanone	20	NA
				Acetone	52	NA
				Carbon disulfide	8.4	NA
				Chloromethane	1.2	NA
				Toluene	8.4	49
				Total Alkanes	13	NA
R2-16C	R2-16	18	24	2-Butanone	18	NA
				Acetone	48	NA
				Carbon disulfide	9.2	NA
				Toluene	9.2	49
				Total Alkanes	160	NA
				trans-Decalin, 2-methyl-	9.4	NA
R2-17A	R2-17	0	6	2-Butanone	25	NA
				Acetone	69	NA
				Carbon disulfide	11	NA
				Chloromethane	2.4	NA
				Toluene	11	49
R2-17B	R2-17	6	12	2-Butanone	22	NA
				Acetone	60	NA
				Carbon disulfide	10	NA
				Chloromethane	1.8	NA
				Toluene	10	49
R2-17C	R2-17	18	24	2-Butanone	26	NA
				Acetone	70	NA
				Carbon disulfide	9.4	NA
				Chloromethane	1.2	NA
				o-Xylene	0.31	92
				Toluene	9.4	49
R2-1A	R2-1	0	6	2-Butanone	24	NA
				Acetone	61	NA
				Carbon disulfide	11	NA
				Chloromethane	6.5	NA
				m,p-Xylene	0.5	92
				Methylene chloride	11	NA
				o-Xylene	0.28	92
				Toluene	11	49
				Total Alkanes	91	NA
R2-1B	R2-1	6	12	2-Butanone	21	NA
				Acetone	51	NA
				Carbon disulfide	12	NA
				Chloromethane	1.8	NA
				Methylene chloride	12	NA
				Toluene	12	49

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-1C	R2-1	18	24	2-Butanone	55	NA
				Acetone	160	NA
				Carbon disulfide	13	NA
				Methylene chloride	13	NA
R2-2A	R2-2	0	6	2-Butanone	36	NA
				Acetone	100	NA
				Carbon disulfide	16	NA
				Chloromethane	1.2	NA
				cis-1,2-Dichloroethene	0.71	NA
				Methylene chloride	16	NA
				Toluene	16	49
R2-2B	R2-2	6	12	2-Butanone	45	NA
				Acetone	120	NA
				Carbon disulfide	16	NA
				Methylene chloride	16	NA
R2-2C	R2-2	18	24	2-Butanone	46	NA
				Acetone	130	NA
				Carbon disulfide	13	NA
				Chloromethane	5.1	NA
				Methylene chloride	13	NA
				Toluene	13	49
R2-3A	R2-3	0	6	2-Butanone	18	NA
				Acetone	44	NA
				Carbon disulfide	18	NA
				Chloromethane	4.5	NA
				Toluene	18	49
R2-3B	R2-3	6	12	2-Butanone	23	NA
				Acetone	54	NA
				Carbon disulfide	18	NA
				Toluene	18	49
R2-3C	R2-3	18	24	2-Butanone	22	NA
				Acetone	55	NA
				Carbon disulfide	18	NA
				Chloromethane	6.6	NA
				Toluene	18	49
R2-4A	R2-4	0	6	2-Butanone	49	NA
				Acetone	150	NA
				Carbon disulfide	18	NA
				Chloromethane	2.6	NA
				Toluene	18	49
R2-4B	R2-4	6	12	2-Butanone	190	NA
				Acetone	500	NA
				Carbon disulfide	7.1	NA
				cis-1,2-Dichloroethene	5.3	NA
				Methylene chloride	6.3	NA
				Toluene	21	49

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-4C	R2-4	18	24	2-Butanone	96	NA
				Acetone	240	NA
				Carbon disulfide	8.4	NA
				cis-1,2-Dichloroethene	3.7	NA
				Toluene	38	49
R2-5A	R2-5	0	6	2-Butanone	100	NA
				Acetone	260	NA
				Carbon disulfide	4.5	NA
				cis-1,2-Dichloroethene	3.3	NA
				Methylene chloride	2.4	NA
				Toluene	27	49
R2-5B	R2-5	6	12	2-Butanone	120	NA
				Acetone	320	NA
				Carbon disulfide	5.7	NA
				Methylene chloride	8.1	NA
				Toluene	37	49
R2-5C	R2-5	18	24	2-Butanone	32	NA
				Acetone	88	NA
				Carbon disulfide	8	NA
				Methylene chloride	5.7	NA
				Toluene	22	49
R2-6A	R2-6	0	6	2-Butanone	130	NA
				Acetone	390	NA
				Carbon disulfide	7.5	NA
				cis-1,2-Dichloroethene	12	NA
				Methylene chloride	8.8	NA
				Toluene	33	49
				Trichlorofluoromethane	1.6	NA
R2-6B	R2-6	6	12	2-Butanone	190	NA
				Acetone	510	NA
				Carbon disulfide	9.7	NA
				Chloromethane	9.7	NA
				cis-1,2-Dichloroethene	11	NA
				Methylene chloride	13	NA
				Toluene	45	49
R2-6C	R2-6	18	24	2-Butanone	190	NA
				Acetone	590	NA
				Carbon disulfide	39	NA
				Toluene	39	49
R2-7A	R2-7	0	6	2-Butanone	120	NA
				Acetone	370	NA
				Carbon disulfide	9.2	NA
				Chloromethane	3.4	NA
				cis-1,2-Dichloroethene	18	NA
				Methylene chloride	6.6	NA
				Toluene	29	49

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-7B	R2-7	6	12	2-Butanone	170	NA
				Acetone	520	NA
				Carbon disulfide	9.2	NA
				Chloromethane	5.4	NA
				cis-1,2-Dichloroethene	12	NA
				Methylene chloride	8.8	NA
				Toluene	38	49
R2-7C	R2-7	18	24	2-Butanone	220	NA
				Acetone	620	NA
				Carbon disulfide	11	NA
				Chloromethane	7.1	NA
				Methylene chloride	5.6	NA
				Toluene	43	49
R2-8A	R2-8	0	6	2-Butanone	20	NA
				Acetone	42	NA
				Carbon disulfide	17	NA
R2-8B	R2-8	6	12	1,1,2,2-Tetrachloroethane	4.5	0.3
				2-Butanone	29	NA
				Acetone	70	NA
				C4 Benzene	21	0.6
				C5 Benzene	21	0.6
				Carbon disulfide	17	NA
				Chloromethane	5.5	NA
				Isopropylbenzene	0.4	12
				m,p-Xylene	0.5	92
				Naphthalene, decahydro-, trans-	25	NA
				o-Xylene	0.93	92
				Styrene	0.58	NA
				Toluene	17	49
				Total Alkanes	130	NA
				trans-Decalin, 2-methyl-	20	NA
R2-8C	R2-8	18	24	1,1,2,2-Tetrachloroethane	11	0.3
				2-Butanone	25	NA
				Acetone	61	NA
				Adamantane, 1,3-dimethyl-	14	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	31	NA
				C5 Benzene	14	0.6
				Carbon disulfide	13	NA
				Chloromethane	10	NA
				Cyclohexane	1.2	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	18	NA
				Isopropylbenzene	1.2	12
				m,p-Xylene	0.81	92
				Methylcyclohexane	1.6	NA
				Naphthalene, decahydro-, trans-	33	NA
				Naphthalene, decahydro-2,6-dimethyl-	37	NA
				Naphthalene, decahydro-2-methyl-	*35*	NA
				Naphthalene, decahydro-2-methyl-	*39*	NA
				o-Xylene	3.9	92

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-8C (cont.)	R2-8	18	24	Toluene	13	49
				Total Alkanes	900	NA
				Unknown Aromatic	29	NA
R2-9A	R2-9	0	6	2-Butanone	22	NA
				Acetone	58	NA
				Carbon disulfide	14	NA
				Chloromethane	8.8	NA
				Isopropylbenzene	0.57	12
				m,p-Xylene	1.4	92
				Naphthalene, decahydro-, trans-	16	NA
				o-Xylene	1.6	92
				Toluene	14	49
				Total Alkanes	82	NA
R2-9B	R2-9	6	12	2-Butanone	30	NA
				Acetone	81	NA
				Carbon disulfide	15	NA
				Chloromethane	4.1	NA
				m,p-Xylene	0.41	92
				o-Xylene	0.46	92
				Toluene	15	49
R2-9C	R2-9	18	24	1,1,2,2-Tetrachloroethane	7.9	0.3
				2-Butanone	25	NA
				Acetone	67	NA
				Benzene, 1,2,4,5-tetramethyl-	*25*	NA
				Benzene, 1,2,4,5-tetramethyl-	*33*	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	25	NA
				Benzene, 2-ethenyl-1,4-dimethyl-	21	NA
				C4 Benzene	*15*	0.6
				C4 Benzene	*23*	0.6
				Carbon disulfide	15	NA
				Chloromethane	4.5	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	29	NA
				Isopropylbenzene	0.36	12
				m,p-Xylene	0.38	92
				Naphthalene, 1,2,3,4-tetrahydro-1,4-dimethyl-	16	NA
				Naphthalene, decahydro-2-methyl-	21	NA
				o-Xylene	2.1	92
				Total Alkanes	310	NA
				Unknown Aromatic	37	NA
R3-10A	R3-10	0	6	2-Butanone	15	NA
				Acetone	34	NA
				Carbon disulfide	8.1	NA
				m,p-Xylene	3.2	92
				Methylene chloride	8.1	NA
				o-Xylene	0.41	92
				Toluene	0.49	49
R3-10B	R3-10	6	12	1,2-Dichlorobenzene	1	12.0
				2-Butanone	13	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-10B (cont.)	R3-10	6	12	Acetone	32	NA
				Carbon disulfide	6.9	NA
				m,p-Xylene	1.6	92
				Methylene chloride	6.9	NA
				o-Xylene	0.5	92
				Toluene	0.51	49
				Total Alkanes	180	NA
R3-10C	R3-10	18	24	1,2-Dichlorobenzene	0.49	12.0
				1,4-Dichlorobenzene	0.51	12.0
				2-Butanone	4	NA
				Acetone	8	NA
				Carbon disulfide	5.6	NA
				m,p-Xylene	0.62	92
				Methylene chloride	5.6	NA
				o-Xylene	0.26	92
				Toluene	0.23	49
				Total Alkanes	13	NA
R3-11A	R3-11	0	6	1,2-Dichlorobenzene	4.9	12.0
				1,4-Dichlorobenzene	7.5	12.0
				1-Methyldecahydronaphthalene	89	NA
				2-Butanone	11	NA
				6-Tridecene, 7-methyl-	64	NA
				Acetone	25	NA
				Carbon disulfide	9.8	NA
				Chlorobenzene	3.1	3.5
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	80	NA
				m,p-Xylene	0.53	92
				Methylene chloride	9.8	NA
				Oxalic acid, cyclohexylmethyl propyl ester	38	NA
				Toluene	0.48	49
				Total Alkanes	2600	NA
				Unknown Acid Ester	39	NA
				Unknown Aromatic	*16*	NA
				Unknown Aromatic	*34*	NA
R3-11B	R3-11	6	12	1,2-Dichlorobenzene	4.8	12.0
				1,4-Dichlorobenzene	3.4	12.0
				2-Butanone	26	NA
				Acetone	68	NA
				Adamantane, 1,3-dimethyl-	18	NA
				C5 Benzene	91	0.6
				Carbon disulfide	14	NA
				Chlorobenzene	1.6	3.5
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	85	NA
				m,p-Xylene	0.59	92
				Methylene chloride	14	NA
				Naphthalene, decahydro-, trans-	41	NA
				Naphthalene, decahydro-2,6-dimethyl-	54	NA
				Naphthalene, decahydro-2-methyl-	59	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-11B (cont.)	R3-11	6	12	Toluene	0.6	49
				Total Alkanes	2700	NA
				trans-Decalin, 2-methyl-	38	NA
				Unknown Aromatic	37	NA
R3-11C	R3-11	18	24	1,2-Dichlorobenzene	0.29	12.0
				1,4-Dichlorobenzene	2.5	12.0
				2-Butanone	9.6	NA
				Acetone	22	NA
				Carbon disulfide	7.4	NA
				cis-1,2-Dichloroethene	0.38	NA
				Methylene chloride	7.4	NA
				Toluene	0.26	49
R3-1A	R3-1	0	6	1,1,1-Trichloroethane	35	NA
				1,1-Dichloroethane	1.1	NA
				2-Butanone	19	NA
				Acetone	36	NA
				Carbon disulfide	9.1	NA
				Carbon tetrachloride	5	NA
				Toluene	9.1	49
R3-1B	R3-1	6	12	2-Butanone	28	NA
				Acetone	77	NA
				Carbon disulfide	11	NA
				Chloromethane	11	NA
				m,p-Xylene	11	92
				o-Xylene	1.7	92
				Styrene	0.55	NA
				Toluene	11	49
R3-1C	R3-1	18	24	1,2,3-Trichlorobenzene	13	NA
				1,2,4-Trichlorobenzene	13	NA
				2-Butanone	38	NA
				Acetone	91	NA
				Carbon disulfide	13	NA
				Chloromethane	13	NA
				m,p-Xylene	1.8	92
				o-Xylene	2.8	92
				Styrene	0.35	NA
				Toluene	13	49
R3-2A	R3-2	0	6	1,2-Dichlorobenzene	0.89	12.0
				Acetone	18	NA
				Carbon disulfide	11	NA
				cis-1,2-Dichloroethene	1.8	NA
				Ethylbenzene	1.3	24
				m,p-Xylene	0.32	92
				Vinyl chloride	1.1	0.07
R3-2B	R3-2	6	12	2-Butanone	31	NA
				Acetone	82	NA
				Carbon disulfide	13	NA
				Toluene	13	49

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-2C	R3-2	18	24	1H-Indene, 2,3-dihydro-4,6-dimethyl-	19	NA
				1-Methyldecahydronaphthalene	12	NA
				2-Butanone	32	NA
				Acetone	83	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	10	NA
				Benzene, 2-ethyl-1,3-dimethyl-	30	NA
				C5 Benzene	13	0.6
				Carbon disulfide	9.8	NA
				Chloromethane	9.8	NA
				Indane	9.9	NA
				Isopropylbenzene	0.87	12
				m,p-Xylene	9.8	92
				Methylcyclohexane	0.82	NA
				Naphthalene, 1-methyl-	11	NA
				Naphthalene, 2,7-dimethyl-	14	NA
				Naphthalene, 2-ethyl-1,2,3,4-tetrahydro-	21	NA
				Naphthalene, decahydro-	13	NA
				Naphthalene, decahydro-2-methyl-	16	NA
				o-Xylene	1.9	92
				Toluene	9.8	49
				Total Alkanes	150	NA
R3-3A	R3-3	0	6	2-Butanone	21	NA
				Acetone	47	NA
				Chloromethane	16	NA
				Toluene	16	49
R3-3B	R3-3	6	12	1,1,2,2-Tetrachloroethane	40	0.3
				1-Methyldecahydronaphthalene	110	NA
				2-Butanone	32	NA
				3a,7a-Epoxy-1H-inden-4(5H)-one, tetrahydro-	77	NA
				Acetone	80	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	53	NA
				Carbon disulfide	9.7	NA
				Chloromethane	9.7	NA
				Cyclohexane	1.3	NA
				Ethylbenzene	0.27	24
				Isopropylbenzene	2.1	12
				m,p-Xylene	9.7	92
				Methylcyclohexane	1.8	NA
				Naphthalene, 1,6-dimethyl-	16	NA
				Naphthalene, 2,7-dimethyl-	22	NA
				Naphthalene, decahydro-, trans-	80	NA
				Naphthalene, decahydro-2,6-dimethyl-	76	NA
				Naphthalene, decahydro-2-methyl-	*70*	NA
				Naphthalene, decahydro-2-methyl-	*96*	NA
				Oxalic acid, 6-ethyloct-3-yl isobutyl	62	NA
				Oxalic acid, cyclohexylmethyl octyl	21	NA
				o-Xylene	2.7	92
				Spiro[4.4]nonane-1,6-dione	82	NA
				Toluene	9.7	49
				Total Alkanes	*2600*	NA
				Total Alkanes	*5500*	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-3B (cont.)	R3-3	6	12	trans-Decalin, 2-methyl-	81	NA
				Unknown Acid Ester	29	NA
				Unknown Aromatic	33	NA
R3-3C	R3-3	18	24	1,1,2,2-Tetrachloroethane	49	0.3
				1-Methyl-3-ethyladamantane	41	NA
				2-Butanone	38	NA
				Acetone	100	NA
				Adamantane, 1,3-dimethyl-	29	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	93	NA
				C11 Unsaturated Hydrocarbon	*81*	NA
				C11 Unsaturated Hydrocarbon	*85*	NA
				C14 Hydrocarbon	210	NA
				Carbon disulfide	13	NA
				Chloromethane	12	NA
				Cyclohexane	2.6	NA
				Ethylbenzene	0.44	24
				Isopropylbenzene	4.5	12
				m,p-Xylene	13	92
				Methylcyclohexane	4.4	NA
				Methylene chloride	12	NA
				Naphthalene, 1,7-dimethyl-	32	NA
				Naphthalene, 2,3-dimethyl-	13	NA
				Naphthalene, 2,7-dimethyl-	43	NA
				Naphthalene, decahydro-	110	NA
				Naphthalene, decahydro-, trans-	97	NA
				Naphthalene, decahydro-2,6-dimethyl-	*88*	NA
				Naphthalene, decahydro-2,6-dimethyl-	*150*	NA
				Naphthalene, decahydro-2-methyl-	*99*	NA
				Naphthalene, decahydro-2-methyl-	*110*	NA
				Oxalic acid, bis(6-ethyloct-3-yl) ester	72	NA
				o-Xylene	6.2	92
				Thiophene, 2-heptyl-	20	NA
				Toluene	13	49
				Total Alkanes	3600	NA
				trans-Decalin, 2-methyl-	93	NA
				Unknown Aromatic	62	NA
R3-4A	R3-4	0	6	2-Butanone	13	NA
				Acetone	16	NA
				Carbon disulfide	7.7	NA
				cis-1,2-Dichloroethene	2.7	NA
				Toluene	7.7	49
				Trichloroethene	1.5	2.0
R3-4B	R3-4	6	12	2-Butanone	25	NA
				Acetone	61	NA
				Carbon disulfide	10	NA
				m,p-Xylene	10	92
				o-Xylene	0.5	92
				Total Alkanes	16	NA
R3-4C	R3-4	18	24	2-Butanone	31	NA
				Acetone	79	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-4C (cont.)	R3-4	18	24	Carbon disulfide	10	NA
				Chloromethane	10	NA
				Isopropylbenzene	0.21	12
				Naphthalene, decahydro-2,6-dimethyl-	10	NA
				o-Xylene	0.63	92
				Total Alkanes	120	NA
				Unknown Aromatic	11	NA
R3-5A	R3-5	0	6	2-Butanone	13	NA
				Acetone	34	NA
				Carbon disulfide	5.1	NA
				Methylene chloride	5.1	NA
R3-5B	R3-5	6	12	1,2-Dichlorobenzene	1.5	12.0
				1,4-Dichlorobenzene	0.34	12.0
				1-Methyldecahydronaphthalene	23	NA
				2-Butanone	11	NA
				Acetone	22	NA
				Benzene, 1-methyl-3-(1-methylethyl)-	8	NA
				Carbon disulfide	7.2	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	11	NA
				m,p-Xylene	0.34	92
				Methylene chloride	7.2	NA
				Naphthalene, 1,6-dimethyl-	7.3	NA
				Naphthalene, decahydro-2,6-dimethyl-	18	NA
				o-Xylene	1.2	92
				Toluene	0.32	49
				Total Alkanes	750	NA
				trans-Decalin, 2-methyl-	23	NA
R3-5C	R3-5	18	24	1,2-Dichlorobenzene	3	12.0
				1,4-Dichlorobenzene	0.56	12.0
				1H-Indene, octahydro-2,2,4,4,7,7-hexamethyl-, tr	20	NA
				1-Methyldecahydronaphthalene	29	NA
				2-Butanone	19	NA
				Acetone	42	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	15	NA
				Carbon disulfide	9.2	NA
				Chlorobenzene	0.57	3.5
				Cyclohexane	0.71	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	12	NA
				Isopropylbenzene	0.44	12
				m,p-Xylene	0.59	92
				Methylcyclohexane	1.1	NA
				Methylene chloride	9.2	NA
				Naphthalene, decahydro-2,6-dimethyl-	27	NA
				o-Xylene	1.8	92
				Toluene	0.95	49
				Total Alkanes	760	NA
				trans-Decalin, 2-methyl-	23	NA
				Unknown Oxy Hydrocarbon	12	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-6A MS/MSD	R3-6	0	6	Acetone	2.7	NA
				Carbon disulfide	5.6	NA
				Methylene chloride	5.6	NA
R3-6B MS/MSD	R3-6	6	12	Acetone	16	NA
				Carbon disulfide	*5.5*	NA
				Carbon disulfide	*10*	NA
				Methylene chloride	0.59	NA
R3-7A	R3-7	0	6	1,2-Dichlorobenzene	1.3	12.0
				1,4-Dioxane	1200	NA
				2-Butanone	17	NA
				2-Butyne	26	NA
				Acetone	39	NA
				Benzene	50	0.6
				Carbon disulfide	6.7	NA
				Chlorobenzene	0.57	3.5
				Chloroethane	420	NA
				cis-1,2-Dichloroethene	0.3	NA
				Cyclohexane	0.3	NA
				Diethyl sulfide	22	NA
				Ethylbenzene	0.82	24
				Isopropylbenzene	2.1	12
				m,p-Xylene	23	92
				Methyl tert-butyl ether	0.2	NA
				Methylene chloride	6.7	NA
				o-Xylene	7.3	92
				Toluene	2.7	49
				trans-1,2-Dichloroethene	1.2	NA
				Vinyl chloride	0.61	0.07
R3-7B	R3-7	6	12	1,2-Butadiene	15	NA
				1,2-Dichlorobenzene	1.4	12.0
				1,4-Dioxane	760	NA
				2-Butanone	10	NA
				Acetone	23	NA
				Benzene	39	0.6
				Carbon disulfide	6.8	NA
				Chlorobenzene	0.53	3.5
				Chloroethane	320	NA
				cis-1,2-Dichloroethene	0.44	NA
				Cyclohexane	0.3	NA
				Diethyl sulfide	19	NA
				Ethylbenzene	0.79	24
				Isopropylbenzene	1.8	12
				m,p-Xylene	29	92
				Methyl tert-butyl ether	0.17	NA
				Methylene chloride	6.8	NA
				o-Xylene	7.1	92
				Toluene	1.6	49
				trans-1,2-Dichloroethene	0.95	NA
				Vinyl chloride	0.5	0.07

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-7C	R3-7	18	24	1,1-Dichloroethane	0.35	NA
				1,2-Dichlorobenzene	13	12.0
				1,4-Dichlorobenzene	3.9	12.0
				1,4-Dioxane	930	NA
				2-Butanone	10	NA
				2-Butyne	50	NA
				Acetone	21	NA
				Benzene	140	0.6
				Benzene, 1,2,3-trimethyl-	95	NA
				Benzene, 1,3,5-trimethyl-	32	NA
				Benzene, 1-ethyl-2-methyl-	61	NA
				Butane, 1,3-dichloro-	30	NA
				Carbon disulfide	6.5	NA
				Chlorobenzene	4.2	3.5
				Chloroethane	1000	NA
				cis-1,2-Dichloroethene	3.9	NA
				Cyclohexane	3.2	NA
				Diethyl sulfide	56	NA
				Ethylbenzene	150	24
				Isopropylbenzene	23	12
				m,p-Xylene	1000	92
				Methylcyclohexane	2.5	NA
				Methylene chloride	6.5	NA
				Naphthalene, decahydro-	23	NA
				Naphthalene, decahydro-2,6-dimethyl-	28	NA
				Naphthalene, decahydro-2-methyl-	32	NA
				o-Xylene	35	92
				Toluene	23	49
				Total Alkanes	1400	NA
				trans-1,2-Dichloroethene	4.4	NA
				trans-Decalin, 2-methyl-	34	NA
				Trichloroethene	1.2	2.0
				Unknown Aromatic	25	NA
				Vinyl chloride	0.52	0.07
R3-8A	R3-8	0	6	1,2-Dichlorobenzene	4.9	12.0
				1,4-Dichlorobenzene	0.52	12.0
				2-Butanone	16	NA
				Acetone	38	NA
				Benzene	5.4	0.6
				Carbon disulfide	7.2	NA
				Chlorobenzene	2.3	3.5
				Chloroethane	38	
				Cyclohexane	0.59	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*7.3*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*13*	NA
				Ethylbenzene	0.57	24
				Isopropylbenzene	0.31	12
				m,p-Xylene	1.7	92
				Methylcyclohexane	1.5	NA
				Methylene chloride	7.2	NA
				Naphthalene, decahydro-2,6-dimethyl-	12	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-8A (cont.)	R3-8	0	6	*Naphthalene, decahydro-2-methyl-*	*9*	NA
				Naphthalene, decahydro-2-methyl-	*12*	NA
				o-Xylene	0.67	92
				Toluene	1.8	49
				Total Alkanes	260	NA
R3-8B	R3-8	6	12	1,2-Dichlorobenzene	1.4	12.0
				2-Butanone	15	NA
				Acetone	39	NA
				Benzene	3.2	0.6
				Carbon disulfide	6.2	NA
				Chlorobenzene	0.86	3.5
				Chloroethane	14	NA
				Ethylbenzene	0.18	24
				Isopropylbenzene	0.14	12
				m,p-Xylene	0.77	92
				Methylene chloride	6.2	NA
				o-Xylene	0.28	92
				Tetrachloroethene	32	0.8
				Toluene	1.2	49
R3-8C	R3-8	18	24	1,2-Dichlorobenzene	14	12.0
				1,4-Dichlorobenzene	2	12.0
				1,4-Dioxane	140	NA
				1H-Indene, octahydro-2,2,4,4,7,7-hexamethyl-, tr	23	NA
				1-Methyldecahydronaphthalene	83	NA
				1-Pentene, 2,4,4-trimethyl-	9.6	NA
				2-Butanone	31	NA
				2-Hexene, 3,4,4-trimethyl-	78	NA
				Acetone	70	NA
				Adamantane, 1,3-dimethyl-	30	NA
				Benzene	16	0.6
				Benzene, 1-methyl-2-(1-methylethyl)-	75	NA
				Benzene, 1-methyl-4-(1-methylpropyl)-	11	NA
				Carbon disulfide	9.4	NA
				Chlorobenzene	8.8	3.5
				Chloroethane	95	NA
				cis-1,2-Dichloroethene	0.62	NA
				Cyclohexane	3.5	NA
				Ethene, 1,1-difluoro-	10	NA
				Ethylbenzene	4.4	24
				Hexanoyl chloride	11	NA
				Isopropylbenzene	8.6	12
				m,p-Xylene	24	92
				Methylcyclohexane	11	NA
				Methylene chloride	9.4	NA
				Naphthalene, 1,7-dimethyl-	16	NA
				Naphthalene, decahydro-	110	NA
				Naphthalene, decahydro-2,6-dimethyl-	*72*	NA
				Naphthalene, decahydro-2,6-dimethyl-	*83*	NA
				Naphthalene, decahydro-2-methyl-	110	NA
				Oxalic acid, 6-ethyloct-3-yl isobutyl	48	NA
				o-Xylene	9.9	92

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-8C (cont.)	R3-8	18	24	Spiro[2.3]hexan-4-one, 5,5-diethyl-6-methyl-	120	NA
				Toluene	40	49
				Total Alkanes	3400	NA
R3-9A	R3-9	0	6	1,2-Dichlorobenzene	3.9	12.0
				1,4-Dichlorobenzene	0.8	12.0
				1H-Indene, 2,3-dihydro-5,6-dimethyl-	18	NA
				1-Methyldecahydronaphthalene	24	NA
				2-Butanone	23	NA
				Acetone	51	NA
				Benzene, 1-ethyl-4-(1-methylethyl)-	11	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	17	NA
				Bicyclo Hydrocarbon	21	NA
				C5 Benzene	*13*	0.6
				C5 Benzene	*29*	0.6
				Carbon disulfide	10	NA
				Chlorobenzene	0.53	3.5
				Cyclohexane	1.1	NA
				Cyclohexanone, 5-methyl-2-(1-methylethylidene)-	30	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	39	NA
				Isopropylbenzene	1.3	12
				m,p-Xylene	0.59	92
				Methylcyclohexane	4.3	NA
				Methylene chloride	10	NA
				Naphthalene, 2,7-dimethyl-	26	NA
				Naphthalene, decahydro-, trans-	21	NA
				Naphthalene, decahydro-2,6-dimethyl-	26	NA
				o-Xylene	0.72	92
				Toluene	0.44	49
				Total Alkanes	810	NA
R3-9B	R3-9	6	12	1,2-Dichlorobenzene	5.6	12.0
				1,4-Dichlorobenzene	1.1	12.0
				1H-Indene, octahydro-2,2,4,4,7,7-hexamethyl-, tr	35	NA
				2-Butanone	17	NA
				Acetone	36	NA
				Adamantane, 1,3-dimethyl-	17	NA
				Benzene, 1-methyl-2-(1-methylethyl)-	29	NA
				Carbon disulfide	7.6	NA
				Chlorobenzene	1	3.5
				Cyclohexane	2.1	NA
				Ethylbenzene	0.19	24
				Isopropylbenzene	2.4	12
				m,p-Xylene	0.86	92
				Methylcyclohexane	7.6	NA
				Methylene chloride	7.6	NA
				Naphthalene, 1,6-dimethyl-	21	NA
				Naphthalene, decahydro-, trans-	35	NA
				Naphthalene, decahydro-2,6-dimethyl-	41	NA
				Naphthalene, decahydro-2-methyl-	49	NA

Table 4.6e
VOC Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-9B (cont.)	R3-9	6	12	Oxalic acid, 6-ethyloct-3-yl isobutyl	33	NA
				o-Xylene	1.7	92
				Toluene	0.37	49
				Total Alkanes	1400	NA
				trans-Decalin, 2-methyl-	40	NA
R3-9C	R3-9	18	24	1,2-Dichlorobenzene	4.3	12.0
				1,4-Dichlorobenzene	0.98	12.0
				1H-Naphthalen-2-one, 3,4,5,6,7,8-hexahydro-4a,8a	79	NA
				1-Methyldecahydronaphthalene	240	NA
				2-Butanone	17	NA
				Acetone	37	NA
				Carbon disulfide	8.9	NA
				Chlorobenzene	1.1	3.5
				cis, cis-2-Ethylbicyclo[4.4.0]decane	220	NA
				Cyclohexane	2.6	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	53	NA
				Ethylbenzene	0.45	24
				Hept-2-ene, 2,4,4,6-tetramethyl-	88	NA
				Isopropylbenzene	2.9	12
				m,p-Xylene	1.2	92
				Methylcyclohexane	9.5	NA
				Methylene chloride	8.9	NA
				Naphthalene, 1,6-dimethyl-	13	NA
				Naphthalene, decahydro-, trans-	95	NA
				Naphthalene, decahydro-2,6-dimethyl-	220	NA
				Naphthalene, decahydro-2-methyl-	140	NA
				Oxalic acid, cyclohexylmethyl ethyl	98	NA
				o-Xylene	2.1	92
				Toluene	0.55	49
				Total Alkanes	5100	NA
				Unknown	24	NA

Notes:
Highlighted cells indicate results greater than the NYS Sediment Criteria
Results in italics indicate samples analyzed for the same chemical multiple times
VOC - volatile organic compound
NYS - New York State
in - inches
µg/kg - micrograms per kilogram
NA - Not Available

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Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1016	R1-1	0	6	1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	2200	NA
				26,26-Dimethyl-5,23-ergostadien-3.beta.-ol	2200	NA
				3,4-Dichlorophenylsuccinic acid	8900	NA
				Acenaphthene	200	140
				Anthracene	470	107
				Anthracene, 9-(2-propenyl)-	3300	NA
				Azulene, 1,2,3,4,5,6,7,8-octahydro-1,4-dimethyl-	2300	NA
				Benzaldehyde	230	NA
				Benzo(a)anthracene	2300	12
				Benzo(a)pyrene	2700	1.3
				Benzo(b)fluoranthene	3300	NA
				Benzo(g,h,i)perylene	2300	NA
				Benzo(k)fluoranthene	2300	NA
				Benzo[e]pyrene	2900	NA
				Bis(2-ethylhexyl)phthalate	1000	199.5
				Carbazole	370	NA
				Chrysene	3100	NA
				Dibenzo(a,h)anthracene	540	NA
				Dibenzofuran	140	NA
				Fluoranthene	6200	1020
				Fluorene	210	NA
				Indeno(1,2,3-cd)pyrene	1800	NA
				Naphthalene	170	30
				Phenanthrene	2700	NA
				Phosphine, (2-methylbutyl)(1-	2200	NA
				Pyrene	5000	961
				Total Alkanes	5900	NA
007-1017	R2-16	0	6	1,1'-Biphenyl	76	NA
				1,1'-Biphenyl, 2,3,4',6-tetrachloro-	870	NA
				1,2,3,4,9a.beta.-Pentamethyl-1,4,4a.alpha.,9,9a,	3200	NA
				1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	910	NA
				2,4-Dimethylphenol	110	NA
				2,5-Dimethylbenzophenone	890	NA
				2-Methylnaphthalene	250	NA
				4H-Cyclopenta[def]phenanthrene	1300	NA
				4-Methylphenol	100	NA
				9,10-Anthracenedione	1400	NA
				Acenaphthene	650	140
				Acetophenone	77	NA
				Anthracene	890	107
				Anthracene, 9,10-dihydro-9-methyl-10-propyl-	1000	NA
				Benzaldehyde	74	NA
				Benzenecarbothioamide, N-(1,1-dimethylethyl)-	840	NA
				Benzo(a)anthracene	2400	12
				Benzo(a)pyrene	2200	1.3
				Benzo(b)fluoranthene	2100	NA
				Benzo(g,h,i)perylene	1300	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1017 (cont.)	R2-16	0	6	Benzo(k)fluoranthene	1900	NA
				Benzo[e]pyrene	2100	NA
				Bis(2-ethylhexyl)phthalate	220	199.5
				Carbazole	820	NA
				Chrysene	2500	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*2000*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*2500*	NA
				Dibenzo(a,h)anthracene	440	NA
				Dibenzofuran	650	NA
				Di-n-butylphthalate	160	NA
				Fluoranthene	6800	1020
				Fluorene	720	NA
				Indeno(1,2,3-cd)pyrene	1200	NA
				Ketoprofen methyl ester	1600	NA
				Naphthalene	290	30
				Phenanthrene	6800	NA
				Pyrene	5500	961
				Pyrene, 1-methyl-	1100	NA
				Total Alkanes	6300	NA
				Valerophenone, 4'-(trimethylsiloxy)-	850	NA
007-1018	R2-13	0	6	2-Methylnaphthalene	270	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	1300	NA
				3,9-Dodecadiene	1500	NA
				4H-Cyclopenta[def]phenanthrene	3000	NA
				5,16[1',2']:8,13[1'',2'']-Dibenzenodibenzo[a,g]c	1600	NA
				9,10-Anthracenedione	1800	NA
				Acenaphthene	780	140
				Acenaphthylene	170	NA
				Anthracene	1800	107
				Benzaldehyde	150	NA
				Benzo(a)anthracene	6600	12
				Benzo(a)pyrene	6200	1.3
				Benzo(b)fluoranthene	6700	NA
				Benzo(g,h,i)perylene	4000	NA
				Benzo(k)fluoranthene	6000	NA
				Benzo[b]naphtho[2,1-d]thiophene	*1200*	NA
				Benzo[b]naphtho[2,1-d]thiophene	*1700*	NA
				Benzo[e]pyrene	2300	NA
				Bis(2-ethylhexyl)phthalate	600	199.5
				Carbazole	1200	NA
				Chrysene	7200	NA
				Cyclopenta(def)phenanthrenone	1300	NA
				Dibenzo(a,h)anthracene	1200	NA
				Dibenzofuran	570	NA
				Fluoranthene	18000	1020
				Fluorene	760	NA
				Indeno(1,2,3-cd)pyrene	3600	NA
				Indolizine, 1-acetyl-2-methyl-6-nitro-	1200	NA
				Methyl 2-octylcyclopropene-1-octanoate	1700	NA
				Naphthalene	440	30

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1018 (cont.)	R2-13	0	6	Perylene	4900	NA
				Phenanthrene	11000	NA
				Phenanthrene, 1-methyl-	1800	NA
				Phenanthrene, 4-methyl-	1600	NA
				Pyrene	14000	961
				Pyrene, 1-methyl-	1900	NA
				Stigmast-4-en-3-one	1600	NA
				Total Alkanes	5000	NA
				Z,Z-4,16-Octadecadien-1-ol acetate	1600	NA
007-1019	R2-2	0	6	Anthracene	160	107
				Benzo(a)anthracene	1000	12
				Benzo(a)pyrene	1300	1.3
				Benzo(b)fluoranthene	1400	NA
				Benzo(g,h,i)perylene	1100	NA
				Benzo(k)fluoranthene	1000	NA
				Bis(2-ethylhexyl)phthalate	380	199.5
				Carbazole	150	NA
				Chrysene	1400	NA
				Dibenzo(a,h)anthracene	300	NA
				Fluoranthene	2700	1020
				Indeno(1,2,3-cd)pyrene	910	NA
				Phenanthrene	1100	NA
				Pyrene	2200	961
				Total Alkanes	3400	NA
007-1020	R2-12	0	6	1,1'-Biphenyl	610	NA
				1,4-Methanonaphthalene, 1,4-dihydro-	1600	NA
				1H-1,4-Benzodiazepine-2,5-dione, 3,4-dihydro-4-m	1800	NA
				1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	4300	NA
				1H-Indene, 2-methyl-3-phenyl-	1800	NA
				2,4-Dimethylphenol	120	NA
				2-Methylnaphthalene	2100	NA
				2-Phenanthrylamine, 9,10-dihydro-1,7-dinitro-	2600	NA
				2-Propen-1-one, 1-(2-hydroxyphenyl)-3-(4-hydroxy	1700	NA
				3,3'-Dichlorobenzidine	1000	NA
				3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-hexahydro-1H-pyr	2500	NA
				4H-Cyclopenta[def]phenanthrene	9900	NA
				4-Methylphenol	300	NA
				7H-Benz[de]anthracen-7-one	*1700*	NA
				7H-Benz[de]anthracen-7-one	*2000*	NA
				8H-Indeno[2,1-b]phenanthrene	1600	NA
				9,10[1',2']-Benzenoanthracene, 9,10-dihydro-	2300	NA
				9,10-Anthracenedione	8700	NA
				9H-Fluoren-9-one	3700	NA
				Acenaphthene	5700	140
				Acenaphthylene	190	NA
				Anthracene	7900	107
				Anthracene, 9-methyl-	2100	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1020 (cont.)	R2-12	0	6	Benzaldehyde	140	NA
				Benzo(a)anthracene	23000	12
				Benzo(a)pyrene	18000	1.3
				Benzo(b)fluoranthene	20000	NA
				Benzo(g,h,i)perylene	11000	NA
				Benzo(k)fluoranthene	16000	NA
				Benzo[b]naphtho[2,1-d]thiophene	2000	NA
				Benzo[e]pyrene	4500	NA
				Benzo[f]quinoline	1900	NA
				Bis(2-ethylhexyl)phthalate	760	199.5
				Carbazole	8300	NA
				Chrysene	24000	NA
				Chrysene, 2-methyl-	5000	NA
				Cyclopenta(def)phenanthrenone	3300	NA
				Dibenzo(a,h)anthracene	3700	NA
				Dibenzofuran	5600	NA
				Dibenzofuran, 4-methyl-	*2100*	NA
				Dibenzofuran, 4-methyl-	*2500*	NA
				Dibenzothiophene	3500	NA
				Di-n-octylphthalate	780	NA
				Fluoranthene	73000	1020
				Fluoranthene, 2-methyl-	2700	NA
				Fluorene	6400	NA
				Indeno(1,2,3-cd)pyrene	8800	NA
				Naphthalene	4100	30
				Naphthalene, 2-phenyl-	3300	NA
				Perylene	*4300*	NA
				Perylene	*5200*	NA
				Phenanthrene	75000	NA
				Phenanthrene, 1-methyl-	6600	NA
				Phenanthrene, 2,5-dimethyl-	4300	NA
				Phenanthrene, 4-methyl-	2800	NA
				Phenol	130	0.5
				Pyrene	54000	961
				Pyrene, 1-methyl-	6000	NA
				Pyrene, 4,5-dihydro-	2200	NA
				Triphenylene, 2-methyl-	2100	NA
007-1021	R2-8	0	6	Anthracene	200	107
				Benzaldehyde	150	NA
				Benzo(a)anthracene	1400	12
				Benzo(a)pyrene	1600	1.3
				Benzo(b)fluoranthene	1900	NA
				Benzo(g,h,i)perylene	1400	NA
				Benzo(k)fluoranthene	1400	NA
				Benzo[e]pyrene	1600	NA
				Bis(2-ethylhexyl)phthalate	840	199.5
				Carbazole	170	NA
				Chrysene	1900	NA
				Dibenzo(a,h)anthracene	390	NA
				Fluoranthene	3700	1020
				Indeno(1,2,3-cd)pyrene	1100	NA
				Oxirane, hexadecyl-	1800	NA
				Phenanthrene	1300	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1021 (cont.)	R2-8	0	6	Pyrene	3100	961
				Total Alkanes	4300	NA
007-1022	R3-9	0	6	2-Methylnaphthalene	92	NA
				4H-Cyclopenta[def]phenanthrene	1200	NA
				Acenaphthene	270	140
				Acenaphthylene	110	NA
				Anthracene	740	107
				Benzaldehyde	83	NA
				Benzo(a)anthracene	2700	12
				Benzo(a)pyrene	2700	1.3
				Benzo(b)fluoranthene	2300	NA
				Benzo(g,h,i)perylene	1600	NA
				Benzo(k)fluoranthene	2100	NA
				Benzo[e]pyrene	1700	NA
				Bis(2-ethylhexyl)phthalate	210	199.5
				Carbazole	440	NA
				Chrysene	2700	NA
				Dibenzo(a,h)anthracene	570	NA
				Dibenzofuran	190	NA
				Fluoranthene	6200	1020
				Fluoranthene, 2-methyl-	1000	NA
				Fluorene	290	NA
				Indeno(1,2,3-cd)pyrene	1400	NA
				Naphthalene	190	30
				Phenanthrene	3600	NA
				Pyrene	5000	961
007-1023	R3-3	0	6	1,1'-Biphenyl	430	NA
				1,2,3,4,9a.beta.-Pentamethyl-1,4,4a.alpha.,9,9a,	1300	NA
				11H-Benzo[b]fluorene	4800	NA
				1H-1,4-Benzodiazepine-2,5-dione, 3,4-dihydro-4-m	1900	NA
				1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	5100	NA
				1H-Indene, 2-phenyl-	3200	NA
				1-Hydroxy-4-(1-hydroxyiminoethyl)-2,2,5,5-tetram	1500	NA
				2-Methylnaphthalene	1400	NA
				3-Methylcholanthrene	1500	NA
				4H-Cyclopenta[def]phenanthrene	9200	NA
				4-Methylphenol	210	NA
				6-Phenylbenzocyclohepten-7-one	2800	NA
				9,10-Anthracenedione	6600	NA
				9H-Fluoren-9-one	2300	NA
				9H-Fluoren-9-one, hydrazone	1400	NA
				9H-Fluorene, 9-(phenylmethylene)-	2100	NA
				Acenaphthene	4600	140
				Acenaphthylene	210	NA
				Anthracene	6900	107
				Anthracene, 2-ethyl-	1300	NA
				Anthracene, 2-methyl-	*2300*	NA
				Anthracene, 2-methyl-	*2600*	NA
				Benzaldehyde	120	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1023 (cont.)	R3-3	0	6	Benzo(a)anthracene	18000	12
				Benzo(a)pyrene	16000	1.3
				Benzo(b)fluoranthene	16000	NA
				Benzo(g,h,i)perylene	8500	NA
				Benzo(k)fluoranthene	15000	NA
				Benzo[b]naphtho[2,1-d]thiophene	1400	NA
				Benzo[e]pyrene	*3700*	NA
				Benzo[e]pyrene	*4700*	NA
				Benzo[e]pyrene	*14000*	NA
				Benzo[f]quinoline	1500	NA
				Benzo[ghi]fluoranthene	1400	NA
				Bis(2-ethylhexyl)phthalate	750	199.5
				Carbazole	5700	NA
				Chrysene	18000	NA
				Cyclopenta(def)phenanthrenone	2500	NA
				Dibenzo(a,h)anthracene	3100	NA
				Dibenzofuran	3800	NA
				Dibenzofuran, 4-methyl-	*1500*	NA
				Dibenzofuran, 4-methyl-	*2100*	NA
				Dibenzothiophene	3200	NA
				Dinaphtho[1,2-b:1',2'-d]furan	2300	NA
				Fluoranthene	49000	1020
				Fluoranthene, 2-methyl-	2200	NA
				Fluorene	4200	NA
				Indeno(1,2,3-cd)pyrene	7700	NA
				Naphthalene	2600	30
				Naphthalene, 2-phenyl-	3100	NA
				Phenanthrene	50000	NA
				Phenanthrene, 1-methyl-	4700	NA
				Phenanthrene, 2,5-dimethyl-	1600	NA
				Phenanthrene, 3,6-dimethyl-	1600	NA
				Phenanthrene, 4-methyl-	5500	NA
				Phenol	90	0.5
				Pyrene	42000	961
				Total Alkanes	2700	NA
				Triphenylene, 2-methyl-	1600	NA
007-1024	R3-11	0	6	1,1'-Biphenyl	250	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	1800	NA
				11H-Benzo[b]fluorene	*2500*	NA
				11H-Benzo[b]fluorene	*4100*	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	1800	NA
				1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	*1800*	NA
				1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	*4500*	NA
				1-Methyl-3-phenyl-1H-indene	3200	NA
				2,2'-Binaphthalene	1700	NA
				2-Methylnaphthalene	720	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	1800	NA
				3-Methyl-1-phenyl-1H-indene	1500	NA
				4H-1-Benzopyran-4-one, 3-hydroxy-6-methyl-2-(4-m	1900	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1024 (cont.)	R3-11	0	6	4H-Cyclopenta[def]phenanthrene	7600	NA
				4-Methylphenol	120	NA
				6-Phenylbenzocyclohepten-7-one	3300	NA
				9,10-Anthracenedione	2500	NA
				9H-Fluorene, 1-methyl-	1700	NA
				Acenaphthene	2100	140
				Acenaphthylene	1100	NA
				Anthracene	4700	107
				Anthracene, 1-methyl-	3600	NA
				Anthracene, 9-dodecyltetradecahydro-	2300	NA
				Benzaldehyde	140	NA
				Benzene, 1-methoxy-4-(phenylethynyl)-	1600	NA
				Benzo(a)anthracene	11000	12
				Benzo(a)pyrene	8900	1.3
				Benzo(b)fluoranthene	7900	NA
				Benzo(g,h,i)perylene	4500	NA
				Benzo(k)fluoranthene	8700	NA
				Benzo[b]naphtho[2,1-d]thiophene	2000	NA
				Benzo[e]pyrene	3200	NA
				Bis(2-ethylhexyl)phthalate	1200	199.5
				Carbazole	1800	NA
				Chrysene	11000	NA
				Dibenzo(a,h)anthracene	1600	NA
				Dibenzofuran	1500	NA
				Dibenzofuran, 4-methyl-	1500	NA
				Dibenzothiophene	2000	NA
				Fluoranthene	32000	1020
				Fluorene	3400	NA
				Indeno(1,2,3-cd)pyrene	4100	NA
				Naphthalene	640	30
				Naphthalene, 1,4-dimethyl-	1800	NA
				Perylene	6600	NA
				Phenanthrene	26000	NA
				Phenanthrene, 1-methyl-	2800	NA
				Pyrene	25000	961
				Pyrene, 1,3-dimethyl-	1900	NA
				Pyrene, 1-methyl-	*1600*	NA
				Pyrene, 1-methyl-	*2700*	NA
				Pyrene, 1-methyl-	*5800*	NA
				Total Alkanes	4300	NA
				Triphenylene, 2-methyl-	2800	NA
007-1025	R3-5	0	6	2-Methylnaphthalene	180	NA
				6-Phenylbenzocyclohepten-7-one	940	NA
				7H-Benz[de]anthracen-7-one	1400	NA
				7H-Benzo[c]carbazole	880	NA
				9,10-Anthracenedione	1000	NA
				9H-Xanthen-9-one, 2-methoxy-	1100	NA
				Acenaphthene	630	140
				Acenaphthylene	120	NA
				Anthracene	1100	107
				Anthracene, 1-methyl-	950	NA
				Benz[a]anthracene, 1-methyl-	1200	NA
				Benzaldehyde	79	NA
				Benzaldehyde, 3,5-dichloro-2-hydroxy-	1900	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1025 (cont.)	R3-5	0	6	Benzo(a)anthracene	4200	12
				Benzo(a)pyrene	4100	1.3
				Benzo(b)fluoranthene	4100	NA
				Benzo(g,h,i)perylene	2700	NA
				Benzo(k)fluoranthene	3500	NA
				Benzo[b]naphtho[2,1-d]thiophene	*1100*	NA
				Benzo[b]naphtho[2,1-d]thiophene	*1400*	NA
				Benzo[c]phenanthrene	1100	NA
				Benzo[e]pyrene	980	NA
				Bis(2-ethylhexyl)phthalate	600	199.5
				Carbazole	580	NA
				Chrysene	4200	NA
				Dibenzo(a,h)anthracene	870	NA
				Dibenzofuran	370	NA
				Di-n-butylphthalate	98	NA
				Fluoranthene	10000	1020
				Fluoranthene, 2-methyl-	1200	NA
				Fluorene	530	NA
				Indeno(1,2,3-cd)pyrene	2300	NA
				Naphthalene	370	30
				Perylene	3100	NA
				Phenanthrene	6600	NA
				Phenanthrene, 4-methyl-	1100	NA
				Pyrene	8300	961
				Pyrene, 1,3-dimethyl-	950	NA
007-1026	R3-8	6	12	1,1'-Biphenyl, 2,3,6-trichloro-	1100	NA
				1,1'-Biphenyl, 2,4,6-trichloro-	1200	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	1200	NA
				11H-Benzo[a]fluorene	1600	NA
				11H-Benzo[b]fluorene	1300	NA
				11H-Indeno(1,2-b)quinoline	1200	NA
				1H-Pyrrolo[3,4-c]pyridine-1,3,(2H)-dione, 4-amin	3600	NA
				2-Methylnaphthalene	190	NA
				2-Phenylnaphthalene	1500	NA
				3,3',5-Trichloro-1,1'-biphenyl	1900	NA
				3,5 (4H,8H)-Dihydro-8-thia-1,3-diaza-cyclopenta[	2100	NA
				4H-Cyclopenta[def]phenanthrene	2100	NA
				Acenaphthene	710	140
				Acenaphthylene	130	NA
				Anthracene	1400	107
				Anthracene, 2-methyl-	1300	NA
				Anthracene, 9-dodecyltetradecahydro-	1200	NA
				Benz[a]anthracene, 7,12-dihydro-	1900	NA
				Benzo(a)anthracene	3600	12
				Benzo(a)pyrene	3100	1.3
				Benzo(b)fluoranthene	4200	NA
				Benzo(g,h,i)perylene	1900	NA
				Benzo(k)fluoranthene	1400	NA
				Bis(2-ethylhexyl)phthalate	1000	199.5
				Carbazole	670	NA
				Chrysene	3900	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1026 (cont.)	R3-8	6	12	Cyclohexene, 1-methyl-4-(5-methyl-1-methylene-4-	2900	NA
				Dibenzo(a,h)anthracene	600	NA
				Dibenzofuran	400	NA
				Fluoranthene	7900	1020
				Fluorene	980	NA
				Indeno(1,2,3-cd)pyrene	2100	NA
				Naphthalene	250	30
				Perylene	*1400*	NA
				Perylene	*1800*	NA
				Phenanthrene	7200	NA
				Phenanthrene, 1-methyl-	1600	NA
				Phenanthrene, 2,5-dimethyl-	1200	NA
				Pyrene	8900	961
				Silane, 1,3-decadiynyltrimethyl-	1500	NA
				Total Alkanes	8900	NA
007-1027	R3-8	18	24	.beta.-iso-Methyl ionone	4700	NA
				1,1'-Biphenyl, 2,2',3,4-tetrachloro-	910	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	*960*	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	*1200*	NA
				1,1'-Biphenyl, 2,2',4,6-Tetrachloro-	1500	NA
				1,1'-Biphenyl, 2,2',5,6'-Tetrachloro-	2300	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	1100	NA
				1,1'-Biphenyl, 2,2',6-trichloro-	2500	NA
				1,1'-Biphenyl, 2,2'-dichloro-	2500	NA
				1,1'-Biphenyl, 2,3,4'-Trichloro-	3200	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	1200	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	*1800*	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	*2000*	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	1100	NA
				1,1'-Biphenyl, 2,5-dichloro-	1300	NA
				11H-Benzo[b]fluorene	*910*	NA
				11H-Benzo[b]fluorene	*1800*	NA
				1-Penten-3-one, 1-(2,6,6-trimethyl-1-cyclohexen-	2200	NA
				2,3,5-Trichloro-1,1'-biphenyl	1600	NA
				2-Methylnaphthalene	150	NA
				4H-Cyclopenta[def]phenanthrene	1500	NA
				Acenaphthene	460	140
				Acenaphthylene	140	NA
				Ambreinolide	8000	NA
				Anthracene	890	107
				Anthracene, 1,4-dimethyl-	900	NA
				Anthracene, 9-methyl-	1600	NA
				Benzo(a)anthracene	2200	12
				Benzo(a)pyrene	2000	1.3
				Benzo(b)fluoranthene	2900	NA
				Benzo(g,h,i)perylene	1400	NA
				Benzo(k)fluoranthene	800	NA
				Benzo[b]naphtho[2,3-d]furan	3000	NA
				Bis(2-ethylhexyl)phthalate	1200	199.5
				Carbazole	270	NA
				Chrysene	2400	NA
				Cyclopenta(cd)pyrene, 3,4-dihydro-	1200	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1027 (cont.)	R3-8	18	24	Cytein, N,N-bis(trimethylsilyl)-, trimethylsilyl	1400	NA
				Dibenzo(a,h)anthracene	450	NA
				Dibenzofuran	310	NA
				Fluoranthene	5300	1020
				Fluorene	730	NA
				Indeno(1,2,3-cd)pyrene	1500	NA
				Naphthalene	230	30
				Naphthalene, 1,6,7-trimethyl-	870	NA
				Phenanthrene	4400	NA
				Phenanthrene, 2,5-dimethyl-	1300	NA
				Pyrene	5700	961
				Pyrene, 1-methyl-	1100	NA
				Pyrene, 4-methyl-	2500	NA
				Total Alkanes	17000	NA
007-1028	R3-8	30	36	1,1'-Biphenyl	110	NA
				1,1'-Biphenyl, 2,2',3,4-tetrachloro-	1400	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	4500	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*2600*	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*3400*	NA
				1,1'-Biphenyl, 2,2',4,6-Tetrachloro-	3800	NA
				1,1'-Biphenyl, 2,2',5,6'-Tetrachloro-	6900	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	5700	NA
				1,1'-Biphenyl, 2,2'-dichloro-	9200	NA
				1,1'-Biphenyl, 2,3,4'-Trichloro-	11000	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	*4500*	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	*6500*	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	*6700*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	4000	NA
				1,1'-Biphenyl, 2,3',5-trichloro-	7500	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	7200	NA
				1,1'-Biphenyl, 2,3-dichloro-	7500	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	2700	NA
				1,1'-Biphenyl, 3,4-dichloro-	9100	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	4700	NA
				1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	3500	NA
				28-Nor-17.alpha.(H)-hopane	5800	NA
				2-Methylnaphthalene	300	NA
				4H-Cyclopenta[def]phenanthrene	4500	NA
				4-Methylphenol	170	NA
				Acenaphthene	750	140
				Acenaphthylene	350	NA
				Anthracene	1700	107
				Anthracene, 2-methyl-	4200	NA
				Benzaldehyde	140	NA
				Benzo(a)anthracene	4100	12
				Benzo(a)pyrene	3700	1.3
				Benzo(b)fluoranthene	5000	NA
				Benzo(g,h,i)perylene	2700	NA
				Benzo(k)fluoranthene	1700	NA
				Benzo[e]pyrene	1400	NA
				Bis(2-ethylhexyl)phthalate	2100	199.5

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1028 (cont.)	R3-8	30	36	Carbazole	430	NA
				Chrysene	4500	NA
				Dibenzo(a,h)anthracene	560	NA
				Dibenzofuran	460	NA
				Dibenzothiophene	1400	NA
				Dibenzothiophene, 4-methyl-	1500	NA
				Fluoranthene	9500	1020
				Fluorene	1400	NA
				Indeno(1,2,3-cd)pyrene	2500	NA
				Naphthalene	340	30
				Naphthalene, 2,3,6-trimethyl-	1500	NA
				Phenanthrene	7600	NA
				Phenanthrene, 2,3-dimethyl-	2900	NA
				Phenanthrene, 3,6-dimethyl-	2100	NA
				Phenol	86	0.5
				Pyrene	11000	961
				Pyrollidine, 2,5-bis(imino)-	1600	NA
				Total Alkanes	21000	NA
007-1029	R3-8	42	48	1,1'-Biphenyl	190	NA
				1,1'-Biphenyl, 2,2',3,3'-tetrachloro-	2700	NA
				1,1'-Biphenyl, 2,2',3,4-tetrachloro-	4600	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	3600	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*3200*	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*5300*	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*7100*	NA
				1,1'-Biphenyl, 2,2',4,6-Tetrachloro-	3100	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	5400	NA
				1,1'-Biphenyl, 2,2'-dichloro-	8900	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	*8000*	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	*9400*	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	*9800*	NA
				1,1'-Biphenyl, 2,3',5-trichloro-	6100	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	7500	NA
				1,1'-Biphenyl, 2,3-dichloro-	5000	NA
				1,1'-Biphenyl, 4,4-bis(1-pyrrolidiny)-	2500	NA
				11H-Benzo[a]carbazole	1900	NA
				11H-Benzo[a]fluorene	1900	NA
				1-Penten-3-one, 1-(2,6,6-trimethyl-1-cyclohexen-	5600	NA
				2-Buten-1-one, 1-(2,6,6-trimethyl-1-cyclohexen-1	7100	NA
				2-Methylnaphthalene	560	NA
				4H-Cyclopenta[def]phenanthrene	5400	NA
				4-Methylphenol	400	NA
				9H-Fluorene, 4-methyl-	1900	NA
				Acenaphthene	2100	140
				Acenaphthylene	340	NA
				Anthracene	3400	107
				Anthracene, 1,4-dimethyl-	3100	NA
				Benzo(a)anthracene	7300	12
				Benzo(a)pyrene	6300	1.3
				Benzo(b)fluoranthene	8000	NA
				Benzo(g,h,i)perylene	3900	NA
				Benzo(k)fluoranthene	3000	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1029 (cont.)	R3-8	42	48	Bis(2-ethylhexyl)phthalate	2500	199.5
				Carbazole	1600	NA
				Chrysene	7600	NA
				Dibenzo(a,h)anthracene	850	NA
				Dibenzofuran	1200	NA
				Fluoranthene	16000	1020
				Fluoranthene, 2-methyl-	2800	NA
				Fluorene	2800	NA
				Indeno(1,2,3-cd)pyrene	3800	NA
				Naphthalene	1000	30
				Naphthalene, 1,6-dimethyl-	1900	NA
				Naphthalene, 1-methyl-	2400	NA
				Naphthalene, 2,3,6-trimethyl-	2400	NA
				Perylene	3100	NA
				Phenanthrene	14000	NA
				Phenanthrene, 2-methyl-	*4200*	NA
				Phenanthrene, 2-methyl-	*4600*	NA
				Phenol	150	0.5
				Pyrene	16000	961
				Total Alkanes	51000	NA
007-1030	R3-8	54	60	1,1'-Biphenyl	130	NA
				1,1'-Biphenyl, 2,2',3,4-tetrachloro-	3300	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	*2000*	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	*4100*	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*2100*	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*4300*	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*5700*	NA
				1,1'-Biphenyl, 2,2',4,6-Tetrachloro-	2800	NA
				1,1'-Biphenyl, 2,2',6-trichloro-	*2700*	NA
				1,1'-Biphenyl, 2,2',6-trichloro-	*4400*	NA
				1,1'-Biphenyl, 2,2'-dichloro-	7200	NA
				1,1'-Biphenyl, 2,3,3'-trichloro-	2800	NA
				1,1'-Biphenyl, 2,3,4'-Trichloro-	11000	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	2900	NA
				1,1'-Biphenyl, 2,3-dichloro-	4400	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	6400	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	*4800*	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	*5900*	NA
				11H-Benzo[b]fluorene	2700	NA
				28-Nor-17.alpha.(H)-hopane	5000	NA
				2-Isopropyl-5-methyl-1-heptanol	2000	NA
				2-Methylnaphthalene	380	NA
				4H-Cyclopenta[def]phenanthrene	2900	NA
				4-Methylphenol	440	NA
				9,10-Dimethylanthracene	2000	NA
				Acenaphthene	530	140
				Acenaphthylene	340	NA
				Anthracene	1200	107
				Anthracene, 2-methyl-	2500	NA
				Benzo(a)anthracene	2900	12
				Benzo(a)pyrene	2900	1.3
				Benzo(b)fluoranthene	4100	NA
				Benzo(g,h,i)perylene	2300	NA
				Benzo(k)fluoranthene	1500	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1030 (cont.)	R3-8	54	60	Benzo[e]pyrene	1800	NA
				Bis(2-ethylhexyl)phthalate	2800	199.5
				Carbazole	280	NA
				Chrysene	3500	NA
				Dibenzo(a,h)anthracene	670	NA
				Dibenzofuran	370	NA
				Fluoranthene	7600	1020
				Fluorene	1100	NA
				Indeno(1,2,3-cd)pyrene	2400	NA
				Naphthalene	330	30
				Naphthalene, 1,5-dimethyl-	1800	NA
				Naphthalene, 1-methyl-	2100	NA
				Naphthalene, 2,3,6-trimethyl-	2200	NA
				Oxalic acid, di(cyclohexylmethyl) ester	1700	NA
				Phenanthrene	5000	NA
				Phenol	130	0.5
				Pyrene	7900	961
				Pyrene, 1-methyl-	*1700*	NA
				Pyrene, 1-methyl-	*2100*	NA
				Total Alkanes	43000	NA
007-1031	R3-8	66	72	1,1'-Biphenyl	100	NA
				1,1'-Biphenyl, 2,2',3,4-tetrachloro-	2800	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	3700	NA
				1,1'-Biphenyl, 2,2',4,6-Tetrachloro-	2000	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	3000	NA
				1,1'-Biphenyl, 2,2'-dichloro-	7200	NA
				1,1'-Biphenyl, 2,3,4'-Trichloro-	*3600*	NA
				1,1'-Biphenyl, 2,3,4'-Trichloro-	*7200*	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	3500	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	3100	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	*2100*	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	*4800*	NA
				1,1'-Biphenyl, 2,4,6-trichloro-	5200	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	3300	NA
				11H-Benzo[b]fluorene	2600	NA
				1-Penten-3-one, 1-(2,6,6-trimethyl-1-cyclohexen-	4700	NA
				2,2',3,6'-Tetrachloro-1,1'-biphenyl	1800	NA
				2,2',3,6-Tetrachloro-1,1'-biphenyl	4600	NA
				2,3'-Dichloro-1,1'-biphenyl	2900	NA
				2-Methylnaphthalene	290	NA
				3-Butene-1,2-diol, 1-(2-furanyl)-2-	1300	NA
				4H-Cyclopenta[def]phenanthrene	2300	NA
				4-Methylphenol	440	NA
				5-(2,5-Dimethoxy-phenyl)-2H-pyrazol-3-ol	1400	NA
				7-Methoxyindole-2-carboxylic acid	5000	NA
				Acenaphthene	450	140
				Acenaphthylene	280	NA
				Anthracene	1100	107
				Anthracene, 1,4-dimethyl-	1900	NA
				Anthracene, 2-methyl-	2400	NA
				Azulene, 4,6,8-trimethyl-	1400	NA
				Benzo(a)anthracene	2500	12

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1031 (cont.)	R3-8	66	72	Benzo(a)pyrene	2300	1.3
				Benzo(b)fluoranthene	3600	NA
				Benzo(g,h,i)perylene	1500	NA
				Benzo(k)fluoranthene	1400	NA
				Bis(2-ethylhexyl)phthalate	1900	199.5
				Carbazole	310	NA
				Chrysene	3000	NA
				Dibenzo(a,h)anthracene	470	NA
				Dibenzofuran	290	NA
				Fluoranthene	6800	1020
				Fluorene	960	NA
				Indeno(1,2,3-cd)pyrene	1600	NA
				Naphthalene	260	30
				Naphthalene, 1-methyl-	1300	NA
				Naphthalene, 2,3,6-trimethyl-	1600	NA
				Naphthalene, 2,6-dimethyl-	1300	NA
				Phenanthrene	4800	NA
				Phenol	120	0.5
				Pyrene	7500	961
				Pyrene, 1-methyl-	1600	NA
				Total Alkanes	33000	NA
007-1032	R3-8	78	84	1,1'-Biphenyl	160	NA
				1,1'-Biphenyl, 2,2',3,3',6-pentachloro-	3100	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	*2200*	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	*4300*	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	3900	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	4100	NA
				1,1'-Biphenyl, 2,3,4'-Trichloro-	7100	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	2800	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	2900	NA
				1,1'-Biphenyl, 2,4,6-trichloro-	2000	NA
				1,1'-Biphenyl, 3,3',5,5'-tetrachloro-	2000	NA
				10,18-Bisnorabieta-5,7,9(10),11,13-pentaene	14000	NA
				10-Methylanthracene-9-carboxaldehyde	2400	NA
				11H-Benzo[a]fluorene	3400	NA
				11H-Benzo[b]fluorene	2100	NA
				1-Penten-3-one, 1-(2,6,6-trimethyl-1-cyclohexen-	7300	NA
				2,2,3,3-Tetramethylcyclopropanecarboxylic	2100	NA
				28-Nor-17.alpha.(H)-hopane	9700	NA
				2-Amino-4-cyanomethyl-6-piperidino-1,3,5-triazin	3200	NA
				2-Methylnaphthalene	590	NA
				3.alpha.,4.alpha.,9.beta.,11-Diepoxymuurolan-10-	1900	NA
				3-Butene-1,2-diol, 1-(2-furanyl)-2-	2200	NA
				4-Methylphenol	140	NA
				5-Octadecene, (E)-	2000	NA
				Acenaphthene	490	140
				Acenaphthylene	330	NA
				Anthracene	1300	107
				Anthracene, 1-methyl-	2200	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1032 (cont.)	R3-8	78	84	Benzo(a)anthracene	3100	12
				Benzo(a)pyrene	2900	1.3
				Benzo(b)fluoranthene	4600	NA
				Benzo(g,h,i)perylene	2300	NA
				Benzo(k)fluoranthene	1200	NA
				Bis(2-ethylhexyl)phthalate	4500	199.5
				Carbazole	370	NA
				Cholestane	4600	NA
				Chrysene	3700	NA
				Dibenzo(a,h)anthracene	700	NA
				Dibenzofuran	350	NA
				Fluoranthene	8400	1020
				Fluorene	1100	NA
				Indeno(1,2,3-cd)pyrene	2300	NA
				Indole-2-carboxylic acid, 6-methoxy-	2900	NA
				Naphthalene	450	30
				Naphthalene, 1-methyl-	2100	NA
				Naphthalene, 2,3,6-trimethyl-	2200	NA
				Phenanthrene	5700	NA
				Phenanthrene, 1-methyl-7-(1-methylethyl)-	3800	NA
				Phenanthrene, 2,5-dimethyl-	1900	NA
				Phenol	130	0.5
				Pyrene	8900	961
				Total Alkanes	68000	NA
007-1033	R3-8	90	96	1,1'-Biphenyl	99	NA
				1,1'-Biphenyl, 2,2',3,4-tetrachloro-	1600	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	2000	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*3500*	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*3900*	NA
				1,1'-Biphenyl, 2,3',4,4',5-pentachloro-	*1500*	NA
				1,1'-Biphenyl, 2,3',4,4',5-pentachloro-	*1900*	NA
				1,1'-Biphenyl, 2,3,4'-Trichloro-	1600	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	*1900*	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	*2400*	NA
				1,1'-Biphenyl, 2,4,4',6-tetrachloro-	1900	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	*2600*	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	*6300*	NA
				1,1'-Biphenyl, 2,5-dichloro-	1300	NA
				10,18-Bisnorabieta-5,7,9(10),11,13-pentaene	6100	NA
				2(1H)Naphthalenone, 3,5,6,7,8,8a-hexahydro-4,8a-	1900	NA
				2,2',3-Trichloro-1,1'-biphenyl	3600	NA
				2,3,3,',5',6-Pentachloro-1,1'-biphenyl	1900	NA
				2,3,4',5-Tetrachloro-1,1'-biphenyl	1600	NA
				2-Methylnaphthalene	280	NA
				3-Methoxy-6,7,8,9-tetrahydro-dibenzofuran-2-ol	2500	NA
				4H-Cyclopenta[def]phenanthrene	1600	NA
				5-(p-Aminophenyl)-2-thiazolamine	6200	NA
				Acenaphthene	380	140
				Acenaphthylene	190	NA
				Anthracene	880	107

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1033 (cont.)	R3-8	90	96	Benzo(a)anthracene	2500	12
				Benzo(a)pyrene	2400	1.3
				Benzo(b)fluoranthene	3500	NA
				Benzo(g,h,i)perylene	1900	NA
				Benzo(k)fluoranthene	1300	NA
				Bis(2-ethylhexyl)phthalate	3100	199.5
				Carbazole	290	NA
				Chrysene	3300	NA
				Dibenzo(a,h)anthracene	620	NA
				Dibenzofuran	260	NA
				Ethanone, 1-(6,6-dimethylbicyclo[3.1.0]hex-2-en-	2600	NA
				Fluoranthene	6100	1020
				Fluorene	710	NA
				Indeno(1,2,3-cd)pyrene	2000	NA
				Indole-2-carboxylic acid, 6-methoxy-	4700	NA
				Naphthalene	280	30
				Naphthalene, 2,3,6-trimethyl-	1300	NA
				Phenanthrene	3500	NA
				Phenanthrene, 1-methyl-	2000	NA
				Phenanthrene, 2,3,5-trimethyl-	1500	NA
				Phenanthrene, 2,4,5,7-tetramethyl-	2200	NA
				Phenanthrene, 2,5-dimethyl-	1600	NA
				Phenol	110	0.5
				Piperidin-4-amine, 1-(6-fluoro-2-naphthylmethyl)	1500	NA
				Pyrene	7100	961
				Pyrene, 1-methyl-	2400	NA
				Total Alkanes	35000	NA
007-1039	R3-11	6	12	1,1'-Biphenyl	240	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	650	NA
				1,1'-Biphenyl, 2,3,4'-Trichloro-	1300	NA
				1,1'-Biphenyl, 2,3',5-trichloro-	1500	NA
				1,1'-Biphenyl, 2,4,5-trichloro-	1700	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	1300	NA
				11H-Benzo[a]fluorene	1100	NA
				1H,3H-Thieno[3,4-c]thiophene, 4,6-dimethyl-	1100	NA
				2,4-Dicarbaheptaborane(7), 2,4-	1100	NA
				2-Methylnaphthalene	700	NA
				4H-Cyclopenta[def]phenanthrene	2200	NA
				4-Methylphenol	82	NA
				7H-Benz[de]anthracen-7-one	630	NA
				7-Tetradecene, (Z)-	1100	NA
				9H-Fluorene, 9-methyl-	630	NA
				Acenaphthene	1700	140
				Acenaphthylene	140	NA
				Acetamide, N-(2-methylphenyl)-	740	NA
				Acetophenone	120	NA
				Anthracene	2000	107
				Anthracene, 2-methyl-	*1300*	NA
				Anthracene, 2-methyl-	*1900*	NA
				Benzaldehyde	94	NA
				Benzo(a)anthracene	3900	12

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1039 (cont.)	R3-11	6	12	Benzo(a)pyrene	3500	1.3
				Benzo(b)fluoranthene	5100	NA
				Benzo(g,h,i)perylene	1900	NA
				Benzo(k)fluoranthene	1400	NA
				Benzoic acid, 4-methoxy-, 4-ethylphenyl ester	610	NA
				b-Homomorphinan-7-one,5,6,8,14-tetradehydro-2,3,	740	NA
				Bis(2-ethylhexyl)phthalate	490	199.5
				Carbazole	1200	NA
				Chrysene	4300	NA
				Dibenzo(a,h)anthracene	490	NA
				Dibenzofuran	1600	NA
				Dibenzofuran, 4-methyl-	1100	NA
				Dibenzothiophene	850	NA
				Dibenzothiophene, 4-methyl-	730	NA
				Fluoranthene	11000	1020
				Fluorene	2200	NA
				Indeno(1,2,3-cd)pyrene	2200	NA
				Isoquinoline, 1,2,3,4-tetrahydro-7-methoxy-2-met	740	NA
				Naphthalene	2000	30
				Naphthalene, 1,3-dimethyl-	810	NA
				Naphthalene, 1,8-dimethyl-	1100	NA
				Naphthalene, 2,3,6-trimethyl-	810	NA
				Naphthalene, 2-phenyl-	3200	NA
				Perylene	*1300*	NA
				Perylene	*1800*	NA
				Phenanthrene	9600	NA
				Phenanthrene, 3,6-dimethyl-	*710*	NA
				Phenanthrene, 3,6-dimethyl-	*1500*	NA
				Phenol	90	0.5
				Pseudo-ortho-(E)-12,14-dioxobicyclo[8.2.2]tetrad	790	NA
				Pyrene	9600	961
				Total Alkanes	15000	NA
007-1040	R3-11	18	24	[2.2]Paracyclophane	450	NA
				1,1'-Biphenyl	7.8	NA
				1,1'-Biphenyl, 2,4,6-trichloro-	82	NA
				11H-Benzo[b]fluorene	91	NA
				1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	86	NA
				1-Propanol, 2,2-dimethyl-	160	NA
				2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,2	200	NA
				2-Methylnaphthalene	25	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	110	NA
				4H-Cyclopenta[def]phenanthrene	130	NA
				4-Methylphenol	6.3	NA
				5H-Naphtho[1,8-bc]thiophen-5-one, 3,4-dihydro-2-	86	NA
				6-Isopropylquinoline	210	NA
				9,10-Anthracenedione	230	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1040 (cont.)	R3-11	18	24	9H-Fluoren-9-one	99	NA
				Acenaphthene	90	140
				Acenaphthylene	6.7	NA
				Acetophenone	42	NA
				Anthracene	100	107
				Anthracene, 2-methyl-	100	NA
				Anthracene, 9-phenyl-	130	NA
				Benzaldehyde	42	NA
				Benzenemethanol, 4-methoxy-	110	NA
				Benzo(a)anthracene	490	12
				Benzo(a)pyrene	430	1.3
				Benzo(b)fluoranthene	700	NA
				Benzo(g,h,i)perylene	300	NA
				Benzo(k)fluoranthene	230	NA
				Benzocycloheptatriene	87	NA
				Benzyl Alcohol	190	NA
				Bis(2-ethylhexyl)phthalate	42	199.5
				Carbazole	100	NA
				Chrysene	540	NA
				Dibenzo(a,h)anthracene	78	NA
				Dibenzofuran	66	NA
				Fluoranthene	1200	1020
				Fluorene	62	NA
				Indeno(1,2,3-cd)pyrene	330	NA
				Indeno[1,2,3-cd]fluoranthene	140	NA
				Naphthalene	84	30
				Perylene	*90*	NA
				Perylene	*270*	NA
				Phenanthrene	1200	NA
				Phenanthrene, 1-methyl-	120	NA
				Phenol	27	0.5
				Phthalic anhydride	420	NA
				Pyrene	1300	961
				Pyrene, 2-methyl-	83	NA
				Total Alkanes	380	NA
007-1041	R3-11	30	36	1,3-Diaza-5,6-dedihydrocyclohexan-4-one-2-thione	210	NA
				2-Ethylacridine	95	NA
				3-Nitrophthalhydrazide	110	NA
				3-Pyridinecarbonitrile	370	NA
				Acetophenone	23	NA
				Benzaldehyde	36	NA
				Benzyl Alcohol	130	NA
				Bis(2-ethylhexyl)phthalate	41	199.5
				Docosa-2,6,10,14,18-pentaen-22-al, 2,6,10,15,18-	160	NA
				Hexadecanamide	140	NA
				Phenol	20	0.5
				Phthalic anhydride	390	NA
				Pyrene	9.7	961
				Total Alkanes	140	NA
007-1042	R3-11	42	48	1,2-Benzenedicarboxylic acid, monomethyl ester	390	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1042 (cont.)	R3-11	42	48	1,3-Diaza-5,6-dedihydrocyclohexan-4-one-2-thione	220	NA
				2,6,10,14,18-Pentamethyl-2,6,10,14,18-eicosapent	91	NA
				Acetophenone	25	NA
				Benzaldehyde	36	NA
				Benzeneethanamine, 2-fluoro-.beta.,3,4-trihydrox	150	NA
				Benzyl Alcohol	150	NA
				Phenol	26	0.5
				Phthalic anhydride	400	NA
				Pyrene	9.8	961
				Total Alkanes	140	NA
007-1043	R3-11	54	60	1-(2-Cyanovinyl)aziridine-2-carbonitrile	120	NA
				1,2,3,4-Tetrahydropentalene, 1,1-dimethyl-3-cyan	100	NA
				Acetophenone	15	NA
				Benzaldehyde	35	NA
				Corydine	190	NA
				Squalene	100	NA
007-1045	R2-11	6	12	1,3,7,7-Tetramethyl-9-oxo-2-oxabicyclo[4.4.0]dec	2200	NA
				17-Pentatriacontene	1800	NA
				1-Benzenesulfinate-4-methyl, 2-(1-methylethyl)-5	2000	NA
				2-Dodecen-1-yl(-)succinic anhydride	3500	NA
				2-Methylnaphthalene	80	NA
				2-Pentene-1,4-dione, 1-(1,2,2-trimethylcyclopent	1600	NA
				5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl	2100	NA
				8-(2-Nitrophenoxy)octan-1-ol	2100	NA
				Acenaphthene	150	140
				Acenaphthylene	99	NA
				Acetophenone	87	NA
				Anthracene	190	107
				Benzaldehyde	93	NA
				Benzenamine, 2-chloro-N-(3-pyridinylmethylene)-	7300	NA
				Benzo(a)anthracene	1400	12
				Benzo(a)pyrene	1500	1.3
				Benzo(b)fluoranthene	2100	NA
				Benzo(g,h,i)perylene	1400	NA
				Benzo(k)fluoranthene	710	NA
				Benzo[e]pyrene	1800	NA
				Bis(2-ethylhexyl)phthalate	2100	199.5
				Carbazole	110	NA
				Chrysene	1700	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	2500	NA
				Dibenzo(a,h)anthracene	240	NA
				Dibenzofuran	91	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1045 (cont.)	R2-11	6	12	E-11,13-Dimethyl-12-tetradecen-1-ol acetate	1700	NA
				Fluoranthene	2700	1020
				Fluorene	160	NA
				Hexadecane-1,2-diol	2700	NA
				Hexadecanenitrile	2500	NA
				Hexadecanoic acid, 2-hydroxy-, methyl ester	1800	NA
				Indeno(1,2,3-cd)pyrene	1200	NA
				Naphthalene	100	30
				Phenanthrene	1400	NA
				Phenanthrene, 1-methyl-	5200	NA
				Phenanthrene, 2,3-dimethyl-	2600	NA
				Phenol	69	0.5
				p-Menth-8(10)-en-9-ol, cis-	1800	NA
				Pyrene	3500	961
				Spiro[4.5]decan-7-one, 1,8-dimethyl-8,9-epoxy-4-	2100	NA
				Total Alkanes	78000	NA
				Z,Z-4,16-Octadecadien-1-ol acetate	4800	NA
				Z-8-Methyl-9-tetradecen-1-ol acetate	3200	NA
007-1046	R2-11	18	24	*[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih*	*7300*	NA
				[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih	*7400*	NA
				[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih	*8100*	NA
				1-Hexadecene	7700	NA
				1-Naphthalenepropanol, .alpha.-ethenyldecahydro-	13000	NA
				1-Tetradecene	7200	NA
				2-Dodecen-1-yl(-)succinic anhydride	6200	NA
				2-Methylnaphthalene	210	NA
				3-Methyl-4-(methoxycarbonyl)hexa-2,4-dienoic aci	30000	NA
				5,6,6-Trimethyl-5-(3-oxobut-1-enyl)-1-oxaspiro[2	6600	NA
				5-Ethyl-1-nonene	14000	NA
				6,11-Undecadiene, 1-acetoxy-3,7-dimethyl-	9200	NA
				7-Oxabicyclo[2.2.1]heptane, 2-(2-butenylidene)-1	**7500**	**NA**
				7-Oxabicyclo[2.2.1]heptane, 2-(2-butenylidene)-1	**7700**	**NA**
				Acenaphthene	210	140
				Acetophenone	340	NA
				Benzaldehyde	73	NA
				Benzene, 1,1'-(2-cyclopropen-1-ylidene)bis-	18000	NA
				Benzene, 1-methyl-2-(2-phenylethenyl)-	23000	NA
				Benzo(a)anthracene	1200	12
				Benzo(a)pyrene	920	1.3
				Benzo(b)fluoranthene	1300	NA
				Benzo(g,h,i)perylene	910	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1046 (cont.)	R2-11	18	24	Benzo(k)fluoranthene	530	NA
				Bicyclo[3.1.1]heptan-3-one, 6,6-dimethyl-2-(2-me	14000	NA
				Bis(2-ethylhexyl)phthalate	7900	199.5
				Borane, 2,3-dimethyl-2-butyl- (dimer)	6700	NA
				Chrysene	1300	NA
				Dibenzo(a,h)anthracene	270	NA
				Dibenzofuran	130	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	7900	NA
				E-9-Methyl-8-tridecen-2-ol, acetate	16000	NA
				Fluoranthene	2300	1020
				Fluorene	420	NA
				Indeno(1,2,3-cd)pyrene	730	NA
				Naphthalene	130	30
				Naphthalene, 1,6-dimethyl-4-(1-methylethyl)-	12000	NA
				Phenanthrene	1800	NA
				Phenol	86	0.5
				Phenol, 3,4,5-trimethoxy-	7500	NA
				p-Menth-8(10)-en-9-ol, cis-	15000	NA
				Pregnane-3,20-diol, (3.beta.,5.alpha.)-	6300	NA
				Pyrene	2400	961
				Spiro[bicyclo[2.2.1]hept-5-ene-2,1'-cyclopropane	12000	NA
				Total Alkanes	280000	NA
007-1047	R2-11	30	36	1,3-Dioxolane, 4-ethyl-5-octyl-2,2-bis(trifluoro	200	NA
				1,4-Methanoazulene-9-methanol, decahydro-4,8,8-t	640	NA
				11-Dodecen-2-one	410	NA
				17-Pentatriacontene	430	NA
				1-Octanol, 2-butyl-	780	NA
				2-Aziridinone, 1-tert-butyl-3-(1-methylcyclohexy	320	NA
				2-Hexenedioic acid, 2-methoxy-, dimethyl ester	180	NA
				2-Methylnaphthalene	12	NA
				3,3-Dimethyl-hepta-4,5-dien-2-ol	310	NA
				3,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-	330	NA
				3-Nonen-2-one	250	NA
				4-Methylphenol	8.3	NA
				6-Isopropylquinoline	230	NA
				6-Octenal, 3,7-dimethyl-, (R)-	190	NA
				7-Ketooctanoic acid oxime, bis(trimethylsilyl)	240	NA
				Acenaphthene	13	140
				Acenaphthylene	18	NA
				Acetophenone	20	NA
				Anthracene	41	107
				Anthracene, 9-butyltetradecahydro-	490	NA
				Benzaldehyde	41	NA
				Benzo(a)anthracene	210	12
				Benzo(a)pyrene	200	1.3

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1047 (cont.)	R2-11	30	36	Benzo(b)fluoranthene	230	NA
				Benzo(g,h,i)perylene	120	NA
				Benzo(k)fluoranthene	110	NA
				Bicyclo[2.2.1]heptan-2-one, 7-(bromomethyl)-1,7-	630	NA
				Bis(2-ethylhexyl)phthalate	240	199.5
				Butane, 1,2,3,4-tetrachloro-	280	NA
				Butylbenzylphthalate	63	NA
				Carbazole	16	NA
				Carbonic acid, dithio-, S-methyl O-(2-methylcycl	230	NA
				Chrysene	220	NA
				Cyclododecyl isothiocyanate	280	NA
				Cyclohexanol, dodecyl-	200	NA
				Cyclohexene, 4-(4-ethylcyclohexyl)-1-pentyl-	220	NA
				Dibenzo(a,h)anthracene	31	NA
				Dibenzofuran	9.4	NA
				Dicyclopentenyl alcohol	400	NA
				Diisopropylketone-p-tosylhydrazone	220	NA
				Di-n-butylphthalate	12	NA
				Dodeca-1,6-dien-12-ol, 6,10-dimethyl-	250	NA
				E,E,Z-1,3,12-Nonadecatriene-5,14-diol	*200*	NA
				E,E,Z-1,3,12-Nonadecatriene-5,14-diol	*350*	NA
				E-11-Methyl-12-tetradecen-1-ol acetate	190	NA
				Fluoranthene	360	1020
				Fluorene	20	NA
				Heptafluorobutyric acid, n-tetradecyl ester	270	NA
				Indeno(1,2,3-cd)pyrene	120	NA
				Naphthalene	18	30
				Phenanthrene	220	NA
				Phenol	37	0.5
				Phthalic anhydride	320	NA
				Pyrene	440	961
				Total Alkanes	4100	NA
				Z-9-Tetradecenoic acid	180	NA
007-1048	R2-11	42	48	[1,3,2]Dioxaborino[5,4-d]-1,3,2-dioxaborin-4,8-d	380	NA
				[2.2]Paracyclophane	2200	NA
				1,1'-Biphenyl, 2,5-dimethyl-4'-nitro-	700	NA
				1,3-Dioxolane, 4-ethyl-5-octyl-2,2-bis(trifluoro	380	NA
				11-Hexadecen-1-ol, (Z)-	1100	NA
				17-Pentatriacontene	*300*	NA
				17-Pentatriacontene	*310*	NA
				17-Pentatriacontene	*610*	NA
				1-Hexyl-2-nitrocyclohexane	490	NA
				1H-Inden-1-one, octahydro-7a-methyl-, trans-	360	NA
				1H-Pyrrole-2,5-dione	340	NA
				1-Pentadecanamine, N,N-dimethyl-	490	NA
				2-Nonadecanone	1400	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1048 (cont.)	R2-11	42	48	4,7-Ethanoisobenzofuran-1,3,5,8(4H)-tetrone, tet	380	NA
				4,7-Methano-1H-indene, octahydro-	650	NA
				4-Methyl-dodec-3-en-1-ol	430	NA
				6-Bromo-2,2-dimethylcyclohexanone	330	NA
				6-Isopropylquinoline	350	NA
				Acetophenone	68	NA
				Benzaldehyde	120	NA
				Benzo(a)anthracene	77	12
				Benzo(a)pyrene	65	1.3
				Benzo(b)fluoranthene	99	NA
				Benzo(k)fluoranthene	26	NA
				Benzyl Alcohol	370	NA
				Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-, (1	440	NA
				Bis(2-ethylhexyl)phthalate	330	199.5
				Chrysene	85	NA
				Cyclododecanemethanol	370	NA
				Cyclopentene, 1-isopropyl-2,3-dimethyl-	580	NA
				Dodecahydropyrido[1,2-b]isoquinolin-6-one	370	NA
				D-Ribose, 5-O-methyl-2,3-O-(1-methylethylidene)-	400	NA
				Fluoranthene	130	1020
				Hexanedioic acid, bis(2-ethylhexyl)	410	NA
				Longifolenaldehyde	340	NA
				Pentanoic acid	610	NA
				Phenanthrene	79	NA
				Phenol	120	0.5
				Phthalic acid, monoethyl ester	1500	NA
				Pyrene	190	961
				Squalene	710	NA
				Tetradecanal	710	NA
				Total Alkanes	4600	NA
007-1049	R2-11	54	60	(+)-Bicyclo(5,1,0)octan-2-one	570	NA
				1,8-Dioxacyclohexane-2,10-dione, 5,6:12,13-diepo	690	NA
				2(1H)-Naphthalenone, octahydro-4a-methyl-7-(1-me	1300	NA
				2-Furanone, 4-phenyltetrahydro	2100	NA
				2-Hexadecanone	2700	NA
				2-Pentene, 3-ethyl-4,4-dimethyl-	620	NA
				2-Propanone, 1-cyclopentyl-	850	NA
				2-Tridecanone	750	NA
				3-Octene, 2,2-dimethyl-	510	NA
				4H-Thiopyran-4-one, 1,1-dioxide	800	NA
				6s-2,3,8,8-Tetramethyltricyclo[5.2.2.0(1,6)]unde	550	NA
				Acetophenone	89	NA
				Anthracene, 9-cyclohexyltetradecahydro-	530	NA
				Benzaldehyde	170	NA
				Benzene, cyclobutyl-	2600	NA
				Benzo(a)anthracene	78	12
				Benzo(a)pyrene	96	1.3

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1049 (cont.)	R2-11	54	60	Benzo(b)fluoranthene	120	NA
				Benzo(k)fluoranthene	65	NA
				Benzoic acid, 2-hydroxy-4-methoxy-6-methyl-	750	NA
				Bis(2-ethylhexyl)phthalate	340	199.5
				Bis(chloromethyl)sulfide	610	NA
				Butylbenzylphthalate	52	NA
				Chrysene	96	NA
				Cyclohexaneacetic acid, 3-oxo-, methyl ester	540	NA
				Cyclopentanone, 3-(6,6-dimethyl-5-oxo-2-heptenyl	550	NA
				Fluoranthene	190	1020
				Hexadecanoic acid, 2-hydroxy-, methyl ester	970	NA
				Hexanoic acid	760	NA
				Imidazolidinetrione, bis(trifluoromethyl)-	570	NA
				Indolizine, 1-bromooctahydro-, cis-	700	NA
				Naphthalene, decahydro-1,4a-dimethyl-7 (1-methyl	550	NA
				Octadecane, 1-(ethenyloxy)-	2000	NA
				Phenanthrene	100	NA
				Phenol	160	0.5
				Pyrene	230	961
				Pyridinium, 1-amino-, hydroxide, inner salt	600	NA
				Silacycloundec-6-yne, 1,1-dimethyl-	910	NA
				Tetradecanal	1100	NA
				Total Alkanes	5500	NA
				trans-2,3-Epoxynonane	760	NA
				Tricyclo[4.4.0.0(2,8)]dec-3-en-5-ol	570	NA
				Tridecanal	1100	NA
				Tridecanol	520	NA
007-1050	R2-11	66	72	1,2,3,4-Tetrahydropentalene, 1,1-dimethyl-3-cyan	200	NA
				Acetophenone	31	NA
				Benzaldehyde	30	NA
				Benzo(a)anthracene	8.9	12
				Benzo(a)pyrene	10	1.3
				Benzo(b)fluoranthene	8.9	NA
				Benzo(k)fluoranthene	8.8	NA
				Benzyl Alcohol	160	NA
				Bis(2-ethylhexyl)phthalate	37	199.5
				Fluoranthene	7.7	1020
				Phenol	36	0.5
				Phthalic acid, monoethyl ester	*390*	NA
				Phthalic acid, monoethyl ester	*490*	NA
				Pyrene	8.5	961
				Total Alkanes	470	NA
007-1051	R2-15	6	12	1,1'-Biphenyl, 2,4,5-trichloro-	770	NA
				1,2,3,4-Tetrahydro-1-phenyl-1,2,3-methanonaphtha	680	NA
				13-Tertadecen-1-ol acetate	1200	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1051 (cont.)	R2-15	6	12	1-Cyclohexyl-1-(4-methylcyclohexyl)ethane	570	NA
				1-Hexyl-2-nitrocyclohexane	670	NA
				1H-Pyrrole, 2,3-dimethyl-	870	NA
				2,6,11,15-Tetramethyl-hexadeca-2,6,8,10,14-penta	640	NA
				2-Hexenal, 2-ethyl-	670	NA
				2-Phenyliminoperhydro-1,3-thiazine	990	NA
				3-Cyclopentene-1-acetaldehyde, 2,2,3-trimethyl-	910	NA
				3-Methoxy-D-homoestra-1,3,5(10),8-tetraene-17a-o	1100	NA
				4H-Cyclopenta[def]phenanthrene	830	NA
				4-n-Hexylthiane, S,S-dioxide	580	NA
				6-Nitroundec-5-ene	640	NA
				7H-Benzo[c]fluorene	1300	NA
				Acenaphthene	130	140
				Acenaphthylene	56	NA
				Acetophenone	52	NA
				Anthra[2,3-b]furan-4,11-dione, 2,3-dihydro-3,6-d	700	NA
				Anthracene	290	107
				Benz[a]anthracene, 8-methyl-	1100	NA
				Benzaldehyde	55	NA
				Benzo(a)anthracene	1700	12
				Benzo(a)pyrene	1700	1.3
				Benzo(b)fluoranthene	2500	NA
				Benzo(g,h,i)perylene	1300	NA
				Benzo(k)fluoranthene	1100	NA
				Benzo[b]naphtho[2,3-d]thiophene	570	NA
				b-Homomorphinan-7-one,5,6,8,14-tetradehydro-2,3,	1000	NA
				Bicyclo[2.2.1]heptan-2-one, oxime	640	NA
				Bis(2-ethylhexyl)phthalate	970	199.5
				Butylbenzylphthalate	77	NA
				Carbazole	150	NA
				Chrysene	2200	NA
				Dibenzo(a,h)anthracene	280	NA
				Dibenzofuran	50	NA
				Diisopropylketone-p-tosylhydrazone	730	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	560	NA
				Fluoranthene	4300	1020
				Fluorene	130	NA
				Imidazole, 4-pentafluorophenyl-	1600	NA
				Indeno(1,2,3-cd)pyrene	1500	NA
				Naphthalene	58	30
				Nonahexacontanoic acid	570	NA
				Phenanthrene	1500	NA
				Phenanthrene, 2,5-dimethyl-	1100	NA
				Phenanthrene, 4-methoxy-	850	NA
				Phenol	55	0.5
				Pyrene	3900	961
				Total Alkanes	7100	NA
				Trifluoroacetic acid, n-octadecyl ester	1600	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1052	R2-15	18	24	1,1'-Biphenyl, 2',3,4-trichloro-	580	NA
				11H-Benzo[b]fluorene	870	NA
				12-Methyl-E,E-2,13-octadecadien-1-ol	1500	NA
				1-Aminopyrene	690	NA
				1-Eicosene	840	NA
				2(1H)-Naphthalenone, 4a,5,6,7,8,8a-hexahydro-7.a	670	NA
				2(1H)-Naphthalenone, octahydro-4a-methyl-7-(1-me	770	NA
				2-Butenoic acid, 3,7-dimethyl-6-octenyl ester	670	NA
				2-Cyclohexene-1-carboxaldehyde, 2,6,6-trimethyl-	900	NA
				2-Dodecen-1-yl(-)succinic anhydride	860	NA
				3-Methoxy-D-homoestra-1,3,5(10),8-tetraene-17a-o	850	NA
				5,9-Dimethyl-2-(1-methylethylidene)-1-cyclodecan	890	NA
				5-Phenylbicyclo[2.2.1]hept-2-ene	880	NA
				8-[3-Oxo-2-(pent-2-en-1-yl)cyclopent-4-enyl]octa	770	NA
				Acenaphthene	120	140
				Acenaphthylene	63	NA
				Anthracene	230	107
				Benzaldehyde	62	NA
				Benzo(a)anthracene	1200	12
				Benzo(a)pyrene	1100	1.3
				Benzo(b)fluoranthene	1600	NA
				Benzo(g,h,i)perylene	760	NA
				Benzo(k)fluoranthene	570	NA
				Bis(2-ethylhexyl)phthalate	580	199.5
				Butylbenzylphthalate	97	NA
				Carbazole	110	NA
				Chrysene	1300	NA
				Dibenzo(a,h)anthracene	200	NA
				Dibenzofuran	44	NA
				Disulfide, bis(2-methoxyphenyl)	630	NA
				Fluoranthene	2800	1020
				Fluorene	180	NA
				Indeno(1,2,3-cd)pyrene	770	NA
				Menthyl isovalerate	620	NA
				Naphthalene	58	30
				Phenanthrene	1400	NA
				Phenanthrene, 2-methyl-	630	NA
				Phenol	48	0.5
				Pyrene	2600	961
				Thebenidine-	600	NA
				Total Alkanes	8000	NA
007-1053	R2-15	30	36	1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	2800	NA
				1,1'-Biphenyl, 2,2',4,6-Tetrachloro-	950	NA
				1,1'-Biphenyl, 2,4,5-trichloro-	1900	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	1600	NA
				13-Tertadecen-1-ol acetate	2300	NA
				17-Pentatriacontene	2100	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1053 (cont.)	R2-15	30	36	1H-Indole, 1,4-dimethyl-	1200	NA
				2-Methylnaphthalene	47	NA
				3-Eicosene, (E)-	890	NA
				3-Methoxy-D-homoestra-1,3,5(10),8-tetraene-17a-o	1200	NA
				5,9,13-Pentadecatrien-2-one, 6,10,14-trimethyl-,	1100	NA
				5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl	*1100*	NA
				5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl	*1700*	NA
				9,9-Dimethoxybicyclo[3.3.1]nona-2,4-dione	1200	NA
				Acenaphthene	140	140
				Acenaphthylene	84	NA
				Anthracene	280	107
				Anthracene, 2-methyl-	1400	NA
				Benzaldehyde	44	NA
				Benzo(a)anthracene	1300	12
				Benzo(a)pyrene	1500	1.3
				Benzo(b)fluoranthene	2100	NA
				Benzo(g,h,i)perylene	1200	NA
				Benzo(k)fluoranthene	540	NA
				Bis(2-ethylhexyl)phthalate	1300	199.5
				Carbazole	130	NA
				Chrysene	1700	NA
				D-Homoandrostane,	1300	NA
				Dibenzo(a,h)anthracene	310	NA
				Dibenzofuran	62	NA
				Dodecane, 1,2-dibromo-	1000	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	1200	NA
				E-9-Methyl-8-tridecen-2-ol, acetate	1500	NA
				Ethanol, 2-(hexadecyloxy)-	920	NA
				Ethanol, 2-(octadecyloxy)-	1400	NA
				Fluoranthene	3300	1020
				Fluorene	170	NA
				Heptadecanenitrile	1100	NA
				Indeno(1,2,3-cd)pyrene	1100	NA
				Naphthalene	76	30
				Phenanthrene	1300	NA
				Phenanthrene, 2,5-dimethyl-	3500	NA
				Phenol	47	0.5
				Pyrene	3400	961
				Total Alkanes	32000	NA
007-1054	R2-15	42	48	*1,1'-Biphenyl, 2,2',4,5'-tetrachloro-*	*1500*	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	*3900*	NA
				1,1'-Biphenyl, 2,2',4,6-Tetrachloro-	2300	NA
				1,1'-Biphenyl, 2,3,5,6-tetrachloro-	1200	NA
				1,1'-Biphenyl, 2,4,5-trichloro-	1500	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	4300	NA
				1,1'-Biphenyl, 3,3',5,5'-tetrachloro-	2300	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	2600	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	4200	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1054 (cont.)	R2-15	42	48	1,1'-Biphenyl, 4,4'-dichloro-	1700	NA
				1H-Indene, 2-butyl-5-hexyloctahydro-	1700	NA
				1-Tetracosanol	1800	NA
				2-Methyl-3-(3-methyl-but-2-enyl)-2-(4-methyl-pen	2900	NA
				3-Eicosene, (E)-	1700	NA
				3-Oxatricyclo[3.2.1.02,4]octane, (1.alpha.,2.bet	1200	NA
				5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl	4100	NA
				7-Heptadecyne, 1-chloro-	1400	NA
				7-Oxabicyclo[4.1.0]heptane, 1,5-dimethyl-	1400	NA
				9,10-Dimethylanthracene	1700	NA
				9,9-Dimethoxybicyclo[3.3.1]nona-2,4-dione	1400	NA
				Acenaphthene	90	140
				Acenaphthylene	71	NA
				Anthracene	160	107
				Benzaldehyde	50	NA
				Benzo(a)anthracene	1200	12
				Benzo(a)pyrene	1200	1.3
				Benzo(b)fluoranthene	1700	NA
				Benzo(g,h,i)perylene	990	NA
				Benzo(k)fluoranthene	520	NA
				Benzo[c]phenanthrene	2000	NA
				Bicyclo[2.2.1]heptan-2-one, 3,3-dimethyl-	1900	NA
				Bis(2-ethylhexyl)phthalate	1700	199.5
				Carbazole	100	NA
				Chrysene	1500	NA
				Cyclopropanemethanol, .alpha.,2-dimethyl-2-(4-me	2100	NA
				Dibenzo(a,h)anthracene	200	NA
				Dibenzofuran	57	NA
				E-8-Methyl-9-tetradecen-1-ol acetate	1600	NA
				Fluoranthene	2500	1020
				Fluorene	85	NA
				Globulol	1500	NA
				Indeno(1,2,3-cd)pyrene	990	NA
				Methyl (1s*,2s*,5R*)-1,5-dimethyl-2-ethenyl-cycl	1200	NA
				Naphthalene	75	30
				Oxiranecarboxaldehyde, 3-methyl-3-(4-methyl-3-pe	4000	NA
				Phenanthrene	770	NA
				Phenol	52	0.5
				Phthalic anhydride	2500	NA
				Pyrene	3400	961
				Pyrene, 2-methyl-	1900	NA
				Total Alkanes	37000	NA
007-1055	R2-15	54	60	1,1'-Biphenyl, 2,4,4'-trichloro-	550	NA
				1,4-Methanoazulene-9-methanol, decahydro-4,8,8-t	1400	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1055 (cont.)	R2-15	54	60	10-Heneicosene (c,t)	1500	NA
				13-Tertadecen-1-ol acetate	690	NA
				17-Pentatriacontene	630	NA
				1-Docosene	960	NA
				1H-Indene, 2,3,3a,4,7,7a-hexahydro-2,2,4,4,7,7-h	490	NA
				1-Octadecanethiol	830	NA
				1-Pentadecene	290	NA
				2,4,7,14-Tetramethyl-4-vinyl-tricyclo[5.4.3.0(1,	720	NA
				2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl-, acet	810	NA
				2,6-Diphthalimidopyridine	870	NA
				2-Hydroxy-1,1,10-trimethyl-6,9-epidioxydecalin	500	NA
				2-Methylnaphthalene	25	NA
				4a,7,7,10a-Tetramethyldodecahydrobenzo[f]chrome	680	NA
				4-Methylphenol	27	NA
				Acenaphthene	24	140
				Acenaphthylene	33	NA
				Acetophenone	42	NA
				Anthracene	61	107
				Anthracene, 2-methyl-	340	NA
				Benzaldehyde	53	NA
				Benzo(a)anthracene	350	12
				Benzo(a)pyrene	380	1.3
				Benzo(b)fluoranthene	480	NA
				Benzo(g,h,i)perylene	310	NA
				Benzo(k)fluoranthene	230	NA
				Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-, (1	430	NA
				Bicyclo[3.1.1]heptan-3-one, 6,6-dimethyl-2-(2-me	290	NA
				Bis(2-ethylhexyl)phthalate	380	199.5
				Carbazole	48	NA
				Cedrol	480	NA
				Chrysene	450	NA
				Cyclohexen, 1,5,5-trimethyl-6-acetomethyl-	420	NA
				Cyclopentadecanone, 2-hydroxy-	500	NA
				Dibenzo(a,h)anthracene	79	NA
				Dibenzo[c,h][2,6]naphthyridine	400	NA
				Dibenzofuran	21	NA
				Di-n-butylphthalate	110	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	1200	NA
				E-2-Methyl-3-tetradecen-1-ol acetate	360	NA
				Ethanol, 2-(tetradecyloxy)-	960	NA
				Fluoranthene	870	1020
				Fluorene	40	NA
				Indeno(1,2,3-cd)pyrene	310	NA
				Naphthalene	37	30
				Octadecane, 1-(ethenyloxy)-	610	NA
				Perylene	420	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1055 (cont.)	R2-15	54	60	Phenanthrene	390	NA
				Phenmethylcynide, .alpha.,.alpha.-dimethyl-2-met	520	NA
				Phenol	55	0.5
				Phthalic anhydride	600	NA
				Pyrene	920	961
				Pyrene, 2-methyl-	300	NA
				Sulfur	340	NA
				Total Alkanes	7300	NA
007-1056	R2-15	66	72	(7a-Isopropenyl-4,5-dimethyloctahydroinden-4-yl)	240	NA
				1-Naphthalenemethanol, 1,2,3,4-tetrahydro-8-meth	360	NA
				2H-Pyran, tetrahydro-2-methyl-	180	NA
				2-Nonadecanone	740	NA
				2-Pentanol, 3-methyl-	290	NA
				2-Pentanone, 5-methoxy-	360	NA
				3-Hexadecanol	*270*	NA
				3-Hexadecanol	*730*	NA
				3-Tetradecanol	310	NA
				4-Methylphenol	17	NA
				6-Isopropylquinoline	380	NA
				Acetophenone	59	NA
				Anthracene	22	107
				Anthracene, 2-methyl-	180	NA
				Benzaldehyde	60	NA
				Benzo(a)anthracene	100	12
				Benzo(a)pyrene	120	1.3
				Benzo(b)fluoranthene	140	NA
				Benzo(g,h,i)perylene	90	NA
				Benzo(k)fluoranthene	64	NA
				Benzyl Alcohol	500	NA
				Bicyclo[3.1.1]heptan-2-one, 6,6-dimethyl-, (1R)-	210	NA
				Bis(2-ethylhexyl)phthalate	160	199.5
				Butylbenzylphthalate	17	NA
				Carbazole	18	NA
				Chrysene	110	NA
				Cyclohexane, 1,2-dimethyl-3,5-bis(1-methyletheny	380	NA
				Dibenzo(a,h)anthracene	31	NA
				Diethylphthalate	14	NA
				Di-n-butylphthalate	15	NA
				Eudesma-4(14),11-diene	350	NA
				Fluoranthene	230	1020
				Indeno(1,2,3-cd)pyrene	94	NA
				Naphthalene	20	30
				Oxirane, tetradecyl-	420	NA
				Pentanoic acid	220	NA
				Phenanthrene	130	NA
				Phenol	68	0.5
				Phthalic anhydride	*990*	NA
				Phthalic anhydride	*1100*	NA
				Pyrene	180	961

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1056 (cont.)	R2-15	66	72	Pyrene, hexadecahydro-	210	NA
				Total Alkanes	4300	NA
007-1057	R2-15	78	84	1,2,3,4-Tetrahydropentalene, 1,1-dimethyl-3-cyan	150	NA
				2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4a,5,6,8a-octahyd	190	NA
				2-Nonadecanone	220	NA
				3,6,9,12,15-Oxabicyclo(15,3)heneicosa-1(21),17,1	510	NA
				Acetophenone	33	NA
				Benzaldehyde	40	NA
				Benzyl Alcohol	130	NA
				Bis(2-ethylhexyl)phthalate	140	199.5
				Phenol	36	0.5
				Phthalic anhydride	720	NA
				Total Alkanes	1200	NA
007-1058	R2-7	6	12	2-Pentadecanone	380	NA
				2-Undecanone	920	NA
				6-Isopropylquinoline	1000	NA
				9-Octadecenamide	340	NA
				Acetophenone	140	NA
				Benzaldehyde	120	NA
				Benzo(a)anthracene	160	12
				Benzo(a)pyrene	220	1.3
				Benzo(b)fluoranthene	320	NA
				Benzo(g,h,i)perylene	140	NA
				Benzo(k)fluoranthene	93	NA
				Benzyl Alcohol	770	NA
				Bis(2-ethylhexyl)phthalate	370	199.5
				Chrysene	210	NA
				Dibenzo(a,h)anthracene	41	NA
				Fluoranthene	410	1020
				Indeno(1,2,3-cd)pyrene	160	NA
				Naphthalene	35	30
				Pentadecanal-	560	NA
				Phenanthrene	140	NA
				Phenol	140	0.5
				Phthalic anhydride	*1800*	NA
				Phthalic anhydride	*2100*	NA
				Pyrene	320	961
				Tetradecanal	770	NA
				Total Alkanes	2000	NA
007-1059	R2-7	18	24	1,3-Diaza-5,6-dedihydrocyclohexan-4-one-2-thione	390	NA
				4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydro-	1700	NA
				Acetophenone	98	NA
				Benzaldehyde	74	NA
				Benzo(a)anthracene	61	12
				Benzo(a)pyrene	94	1.3
				Benzo(b)fluoranthene	120	NA
				Benzo(g,h,i)perylene	71	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1059 (cont.)	R2-7	18	24	Benzo(k)fluoranthene	50	NA
				Benzyl Alcohol	350	NA
				Bis(2-ethylhexyl)phthalate	620	199.5
				Chrysene	93	NA
				Dithianone	1600	NA
				Fluoranthene	200	1020
				Furancarboxylic acid, methyl ester	330	NA
				Indeno(1,2,3-cd)pyrene	67	NA
				Oxirane, tetramethyl-	*650*	NA
				Oxirane, tetramethyl-	*1200*	NA
				Phenanthrene	70	NA
				Phenol	82	0.5
				Pyrene	140	961
				Tetradecanal	*650*	NA
				Tetradecanal	*1100*	NA
				Total Alkanes	2400	NA
				Tridecanal	280	NA
007-1060	R2-7	30	36	1,5,9-Undecatriene, 2,6,10-trimethyl-, (Z)-	470	NA
				11-Tetradecyn-1-ol acetate	390	NA
				2-Furanone, 4-phenyltetrahydro	1100	NA
				2-Hexadecanone	1100	NA
				3,4-Dimethylcyclohexanol	400	NA
				3-Eicosene, (E)-	720	NA
				4-Heptafluorobutyryloxyhexadecane	440	NA
				6-Isopropylquinoline	940	NA
				Acetophenone	87	NA
				Benzaldehyde	220	NA
				Benzo(a)anthracene	77	12
				Benzo(a)pyrene	100	1.3
				Benzo(b)fluoranthene	140	NA
				Benzo(g,h,i)perylene	71	NA
				Benzo(k)fluoranthene	48	NA
				Benzyl Alcohol	610	NA
				Bis(2-ethylhexyl)phthalate	83	199.5
				Chrysene	110	NA
				Fluoranthene	190	1020
				Indeno(1,2,3-cd)pyrene	86	NA
				Oxirane, 3-ethyl-2,2-dimethyl-	*490*	NA
				Oxirane, 3-ethyl-2,2-dimethyl-	*820*	NA
				Oxirane, tetramethyl-	540	NA
				Phenanthrene	73	NA
				Phthalic anhydride	1300	NA
				Pyrene	160	961
				Tetradecanal	860	NA
				Total Alkanes	5000	NA
007-1061	R2-7	42	48	6-Isopropylquinoline	190	NA
				Acetophenone	33	NA
				Benzaldehyde	79	NA
				Benzo(a)anthracene	9	12
				Benzo(a)pyrene	10	1.3
				Benzo(b)fluoranthene	11	NA
				Chrysene	11	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1061 (cont.)	R2-7	42	48	Dicyclopentenyl alcohol	210	NA
				Fluoranthene	20	1020
				Hexadecanamide	97	NA
				Phenanthrene	13	NA
				Phenol	12	0.5
				Phthalic anhydride	310	NA
				Pyrene	19	961
				Squalene	140	NA
				Total Alkanes	960	NA
007-1062	R2-7	54	60	1,2,3,4-Tetrahydropentalene, 1,1-dimethyl-3-cyan	250	NA
				2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,2	110	NA
				2-Octene, (Z)-	92	NA
				Acetophenone	26	NA
				Benzaldehyde	57	NA
				Bis(2-ethylhexyl)phthalate	18	199.5
				Fluoranthene	7.2	1020
				Phenol	8.3	0.5
				Phthalamic acid	190	NA
				Phthalic anhydride	250	NA
				Total Alkanes	320	NA
007-1063	R3-3	6	12	(R)-(+)-1-(2-Methoxybenzoyl)-2-pyrrolidinemethan	1300	NA
				1,1'-Biphenyl	17	NA
				1,1'-Biphenyl, 2,2',3,5-Tetrachloro-	890	NA
				1,1'-Biphenyl, 2,3',4',5-tetrachloro-	1200	NA
				1,1'-Biphenyl, 2,4,5-trichloro-	970	NA
				1,3-Bis(bromomethyl)cyclohexane	540	NA
				1,4-Methanonaphthalene, 6,7-diethyldecahydro-, c	730	NA
				2-Methylnaphthalene	58	NA
				2-Methyl-Z-4-tetradecene	*560*	NA
				2-Methyl-Z-4-tetradecene	*1300*	NA
				3-Hexadecene, (Z)-	2100	NA
				4-Methylphenol	33	NA
				5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl	760	NA
				7-Oxabicyclo[2.2.1]heptane, 2-(2-butenylidene)-1	980	NA
				9,10-Anthracenedione	1100	NA
				9H-Fluorene, 1-methyl-	650	NA
				9-Methyl-Z-10-tetradecen-1-ol acetate	610	NA
				Acenaphthene	120	140
				Acenaphthylene	75	NA
				Acetophenone	44	NA
				Anthracene	220	107
				Anthracene, 1-methyl-	530	NA
				Benzaldehyde	110	NA
				Benzo(a)anthracene	1500	12
				Benzo(a)pyrene	1400	1.3
				Benzo(b)fluoranthene	2200	NA
				Benzo(g,h,i)perylene	1300	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1063 (cont.)	R3-3	6	12	Benzo(k)fluoranthene	750	NA
				Bicyclo[3.1.1]heptan-3-one, 2-(but-3-enyl)-6,6-d	680	NA
				Bis(2-ethylhexyl)phthalate	1100	199.5
				Butylbenzylphthalate	88	NA
				Carbazole	120	NA
				Chrysene	1600	NA
				Cyclopenta(def)phenanthrenone	1700	NA
				D-Homoandrostane,	740	NA
				Dibenzo(a,h)anthracene	240	NA
				Dibenzofuran	60	NA
				Di-n-butylphthalate	12	NA
				Ethanol, 2-(octadecyloxy)-	970	NA
				Fluoranthene	2700	1020
				Fluorene	150	NA
				Indeno(1,2,3-cd)pyrene	1200	NA
				Methyl (1s*,2s*,5R*)-1,5-dimethyl-2-ethenyl-cycl	800	NA
				Naphthalene	68	30
				Naphtho[2,3-b]norbornadiene	920	NA
				Octadecanal	510	NA
				Perylene	840	NA
				Phenanthrene	1300	NA
				Phenol	19	0.5
				Pyrene	2900	961
				Pyrene, 4,5-dihydro-	660	NA
				Squalene	1100	NA
				Total Alkanes	22000	NA
007-1064	R3-3	18	24	*[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih*	*490*	NA
				[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih	*680*	NA
				1,1'-Biphenyl	20	NA
				1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	690	NA
				1,1'-Biphenyl, 2,4,4',6-tetrachloro-	550	NA
				1,1'-Biphenyl, 2,4,5-trichloro-	*490*	NA
				1,1'-Biphenyl, 2,4,5-trichloro-	*590*	NA
				1,1'-Biphenyl, 3,3'-dichloro-	490	NA
				1,7-Dimethyl-4-(1-methylethyl)cyclodecane	450	NA
				1-Docosene	630	NA
				1-Dotriacontanol	700	NA
				1-Heptadecene	440	NA
				1H-Indene, 2,3,3a,4,7,7a-hexahydro-2,2,4,4,7,7-h	710	NA
				2-Dodecen-1-yl(-)succinic anhydride	490	NA
				2-Methylnaphthalene	75	NA
				3-Eicosene, (E)-	580	NA
				4-Methylphenol	28	NA
				5,5,10,10-Tetrachlorotricyclo[7.1.0.0(4,6)]decan	510	NA
				6-Isopropenyl-4,8a-dimethyl-4a,5,6,7,8,8a-hexahy	680	NA
				6-Nitroundec-5-ene	500	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1064 (cont.)	R3-3	18	24	9,10-Anthracenedione	480	NA
				9H-Fluorene, 2,3-dimethyl-	460	NA
				9-Methyl-Z-10-tetradecen-1-ol acetate	620	NA
				Acenaphthene	160	140
				Acenaphthylene	100	NA
				Acetophenone	54	NA
				Anthracene	250	107
				Anthracene, 2-methyl-	*670*	NA
				Anthracene, 2-methyl-	*710*	NA
				Benzaldehyde	110	NA
				Benzo(a)anthracene	1800	12
				Benzo(a)pyrene	1700	1.3
				Benzo(b)fluoranthene	2500	NA
				Benzo(g,h,i)perylene	1400	NA
				Benzo(k)fluoranthene	490	NA
				Bis(2-ethylhexyl)phthalate	1100	199.5
				Carbazole	110	NA
				Chrysene	1500	NA
				Dibenzo(a,h)anthracene	270	NA
				Dibenzofuran	81	NA
				Fluoranthene	2300	1020
				Fluorene	240	NA
				Indeno(1,2,3-cd)pyrene	1300	NA
				Naphthalene	80	30
				Octadecanal	830	NA
				Phenanthrene	1600	NA
				Phenanthrene, 2,5-dimethyl-	1300	NA
				Phenol	23	0.5
				Pyrene	3000	961
				Silane, trichloro(chloromethyl)-	500	NA
				Total Alkanes	17000	NA
				Vinyl lauryl ether	1200	NA
007-1065	R3-3	30	36	[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih	2200	NA
				1,1'-(Ethanediylidenediamino)bis(5-amino-1H-tetr	910	NA
				11,12-Dibromo-tetradecan-1-ol acetate	770	NA
				11-Tricosene	1300	NA
				1-Hexadecanol, 3,7,11,15-tetramethyl-	2500	NA
				1-Nonadecene	*1000*	NA
				1-Nonadecene	*2000*	NA
				2(3H)-Furanone, 5-ethyldihydro-5-methyl-	1100	NA
				2-Dodecen-1-yl(-)succinic anhydride	*830*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*900*	NA
				2-Methyl-3-(3-methyl-but-2-enyl)-2-(4-methyl-pen	870	NA
				2-Methyl-E-7-octadecene	820	NA
				2-Methylnaphthalene	90	NA
				3-Methoxy-D-homoestra-1,3,5(10),8-tetraene-17a-o	1100	NA
				4,8-Dimethyl-4Z,8E-tetracosadienal	1900	NA
				4-Decyne	2000	NA
				4-Methylphenol	28	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1065 (cont.)	R3-3	30	36	9,9-Dimethoxybicyclo[3.3.1]nona-2,4-dione	2400	NA
				Acenaphthene	190	140
				Acenaphthylene	140	NA
				Acetophenone	47	NA
				Anthracene	290	107
				Anthracene, 9-cyclohexyltetradecahydro-	3200	NA
				Bacchotricuneatin c	890	NA
				Benzaldehyde	82	NA
				Benzo(a)anthracene	1500	12
				Benzo(a)pyrene	1700	1.3
				Benzo(b)fluoranthene	2600	NA
				Benzo(g,h,i)perylene	1500	NA
				Benzo(k)fluoranthene	580	NA
				Bis(2-ethylhexyl)phthalate	1000	199.5
				Carbamic acid, (1-phenylethyl)-, 2-methyl-5-(1-m	890	NA
				Carbazole	130	NA
				Chrysene	1800	NA
				Cyclohexanepropanol, 2,2-dimethyl-6-methylene-	1700	NA
				Dibenzo(a,h)anthracene	300	NA
				Dibenzofuran	110	NA
				Fluoranthene	2900	1020
				Fluorene	330	NA
				Indeno(1,2,3-cd)pyrene	1400	NA
				Indeno[1,2,3-cd]fluoranthene	1300	NA
				Naphthalene	99	30
				Perylene	1800	NA
				Phenanthrene	2100	NA
				Phenol	16	0.5
				Phytol	930	NA
				Pyrene	3300	961
				Spiro[1,3-dioxolo[4,5-g]isoquinoline-5(6H),2'-[2	920	NA
				Spiro[2.5]octane, 3,3-dimethyl-2-(1-buten-3-on-1	940	NA
				Squalene	2000	NA
				Total Alkanes	20000	NA
				Z-14-Octadecen-1-ol acetate	740	NA
007-1066	R3-3	42	48	1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	2700	NA
				1,1'-Biphenyl, 2,2',6-trichloro-	3100	NA
				1,1'-Biphenyl, 2,3,3',4'-tetrachloro-	*2400*	NA
				1,1'-Biphenyl, 2,3,3',4'-tetrachloro-	*3700*	NA
				1,1'-Biphenyl, 2,3,4'-Trichloro-	2800	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	10000	NA
				1,1'-Biphenyl, 2,3',5-trichloro-	3100	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	2800	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	4700	NA
				2,5-Bis(4-hydroxyphenyl)pyrimidine	3400	NA
				2-Methylnaphthalene	170	NA
				4-Methyl-dodec-3-en-1-ol	2500	NA
				5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl	6500	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1066 (cont.)	R3-3	42	48	6,11-Undecadiene, 1-acetoxy-3,7-dimethyl-	2800	NA
				6-Octen-1-ol, 3,7-dimethyl-, acetate	5500	NA
				9,10-Dimethylanthracene	5500	NA
				9-Eicosyne	3900	NA
				Acenaphthene	270	140
				Acenaphthylene	190	NA
				Anthracene	840	107
				Anthracene, 1-methyl-	3800	NA
				Anthracene, 9-dodecyltetradecahydro-	3200	NA
				Benzaldehyde	120	NA
				Benzo(a)anthracene	2600	12
				Benzo(a)pyrene	3000	1.3
				Benzo(b)fluoranthene	4600	NA
				Benzo(g,h,i)perylene	2700	NA
				Benzo(k)fluoranthene	1900	NA
				Bis(2-ethylhexyl)phthalate	3100	199.5
				Butane, 1,2,3,4-tetrachloro-	3100	NA
				Carbazole	190	NA
				Chrysene	4400	NA
				Cyclohexaneethanol, 4-methyl-.beta.-methylene-,	3900	NA
				Dibenzo(a,h)anthracene	500	NA
				Dibenzofuran	190	NA
				E,E,Z-1,3,12-Nonadecatriene-5,14-diol	4500	NA
				Ethanol, 2-(octadecyloxy)-	4700	NA
				Ethoprophos	4100	NA
				Fluoranthene	8000	1020
				Fluorene	650	NA
				Indeno(1,2,3-cd)pyrene	2500	NA
				Naphthalene	160	30
				Octadecanal	3100	NA
				Phenanthrene	4500	NA
				Pyrene	7200	961
				Total Alkanes	100000	NA
				Z,Z-2,5-Pentadecadien-1-ol	2700	NA
007-1067	R3-3	54	60	1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	330	NA
				1,1'-Biphenyl, 2,3',5-trichloro-	400	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	*300*	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	*660*	NA
				1,1'-Biphenyl, 3,4-dichloro-	350	NA
				1,2,3,4-Tetrahydropentalene, 1,1-dimethyl-3-cyan	250	NA
				11H-Benzo[b]fluorene	340	NA
				1H-Pyrrole, 1-butyl-	370	NA
				1-Methylcyclooctene	360	NA
				2-Methylnaphthalene	59	NA
				2-Pyridinecarbonitrile, 3-nitro-	660	NA
				3-(2,6-Dimethoxyphenyl)-2-methyl-4(3H)-quinazoli	780	NA
				3-Heptene, 2,2,3,5,5,6,6-heptamethyl-	390	NA
				3-Hydroxy-2,6,6-trimethyl-hept-4-enoic acid	420	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1067 (cont.)	R3-3	54	60	4(1H)-Pteridinone, 6-acetyl-2-amino-7,8-dihydro-	430	NA
				4-(2,4-Dimethylcyclohex-4-enyl)but-3-en-2-one	260	NA
				4-Methylphenol	31	NA
				9,9'-Biphenanthrene, octacosahydro-	260	NA
				Acenaphthene	58	140
				Acenaphthylene	71	NA
				Acetophenone	63	NA
				Anthracene	150	107
				Anthracene, 1-methyl-	280	NA
				Anthracene, 2-methyl-	290	NA
				Anthracene, 9-butyltetradecahydro-	640	NA
				Benzaldehyde	140	NA
				Benzo(a)anthracene	640	12
				Benzo(a)pyrene	700	1.3
				Benzo(b)fluoranthene	940	NA
				Benzo(g,h,i)perylene	600	NA
				Benzo(k)fluoranthene	320	NA
				Bis(2-ethylhexyl)phthalate	190	199.5
				Butylbenzylphthalate	24	NA
				Carbazole	64	NA
				Chloromethyl 3-chlorohexanoate	280	NA
				Chrysene	840	NA
				Dibenzo(a,h)anthracene	110	NA
				Dibenzo[c,h][2,6]naphthyridine	370	NA
				Dibenzofuran	38	NA
				E-10-Methyl-11-tetradecen-1-ol propionate	390	NA
				Fluoranthene	1300	1020
				Fluorene	120	NA
				Indeno(1,2,3-cd)pyrene	530	NA
				Indeno[1,2,3-cd]fluoranthene	510	NA
				Methyl 2-octylcyclopropene-1-	270	NA
				Naphthalene	66	30
				Naphthalene, 2,3,6-trimethyl-	270	NA
				Naphthalene, 2,6-dimethyl-	250	NA
				Perylene	420	NA
				Phenanthrene	900	NA
				Phenanthrene, 2,5-dimethyl-	*250*	NA
				Phenanthrene, 2,5-dimethyl-	*290*	NA
				Phenol	45	0.5
				Pyrene	1400	961
				Pyrene, 1-methyl-	290	NA
				Total Alkanes	7300	NA
007-1068	R3-3	66	72	[1,3,5]Dioxaborino[5,4-d]-1,3,2-dioxaborin, 2,6-	420	NA
				1,1'-Biphenyl	15	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	740	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	1500	NA
				1,1'-Biphenyl, 3,3',4,5'-tetrachloro-	580	NA
				1,1'-Biphenyl, 3,3'-dichloro-	*400*	NA
				1,1'-Biphenyl, 3,3'-dichloro-	*690*	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	*990*	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1068 (cont.)	R3-3	66	72	*1,1'-Biphenyl, 3,4,4'-Trichloro-*	*1200*	NA
				1,2-Dihydrobenzo[b]fluoranthene	520	NA
				1H-Indene, 5-butyl-6-hexyloctahydro-	1300	NA
				2,6-Octadienal, 3,7-dimethyl-, (Z)-	480	NA
				2-Dodecen-1-yl(-)succinic anhydride	560	NA
				2-Methylnaphthalene	80	NA
				3-Cyclohexen-1-ol	530	NA
				4-Methylphenol	43	NA
				5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl	560	NA
				5-Octadecene, (E)-	440	NA
				6-Nitro-3-carbethoxy-1,2,5-trimethylindole	410	NA
				Acenaphthene	78	140
				Acenaphthylene	84	NA
				Acetophenone	91	NA
				Anthracene	200	107
				Anthracene, 2-methyl-	*390*	NA
				Anthracene, 2-methyl-	*580*	NA
				Anthracene, 9-dodecyltetradecahydro-	640	NA
				Benzaldehyde	160	NA
				Benzo(a)anthracene	790	12
				Benzo(a)pyrene	840	1.3
				Benzo(b)fluoranthene	1300	NA
				Benzo(g,h,i)perylene	510	NA
				Benzo(k)fluoranthene	370	NA
				Benzo[b]naphtho[2,3-d]furan	470	NA
				Benzo[e]pyrene	870	NA
				Bis(2-ethylhexyl)phthalate	260	199.5
				Carbazole	72	NA
				Chrysene	920	NA
				Cyclohexanamine, N,N'-1,2-ethanediylidenebis-	700	NA
				Dibenzo(a,h)anthracene	110	NA
				Dibenzo[c,h][2,6]naphthyridine	480	NA
				Dibenzofuran	40	NA
				Fluoranthene	1700	1020
				Fluoranthene, 2-methyl-	560	NA
				Fluorene	140	NA
				Indeno(1,2,3-cd)pyrene	590	NA
				Naphthalene	69	30
				Naphthalene, 1,2,3,4-tetramethyl-	380	NA
				Naphthalene, 1-methyl-	430	NA
				Naphthalene, 2,3,6-trimethyl-	430	NA
				Phenanthrene	1200	NA
				Phenanthrene, 2,5-dimethyl-	540	NA
				Phenanthrene, 2-methyl-	470	NA
				Phenol	55	0.5
				Phthalic anhydride	1800	NA
				Pyrene	1700	961
				Total Alkanes	9100	NA
007-1069	R3-3	78	84	1,1'-Biphenyl, 2,2',3,5-Tetrachloro-	560	NA
				1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	620	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	1100	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1069 (cont.)	R3-3	78	84	1,1'-Biphenyl, 2,4,4'-trichloro-	1500	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	450	NA
				1,1'-Biphenyl, 2,6-dichloro-	400	NA
				1,1'-Biphenyl, 3,3'-dichloro-	660	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	*670*	NA
				1,1'-Biphenyl, 3,4,4'-Trichloro-	*1100*	NA
				1,2,3,4-Tetrahydropentalene, 1,1-dimethyl-3-cyan	460	NA
				11H-Benzo[a]fluorene	*680*	NA
				11H-Benzo[a]fluorene	*840*	NA
				11H-Benzo[b]fluorene	450	NA
				2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl-	630	NA
				2-Dodecen-1-yl(-)succinic anhydride	630	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorop	690	NA
				2-Methylnaphthalene	98	NA
				3-(2,6-Dimethoxyphenyl)-2-methyl-4(3H)-quinazoli	1700	NA
				3-Pyrrolidinol	410	NA
				4-Methylphenol	43	NA
				4-Methyl-Z-4-hexadecen-1-ol	700	NA
				8-Methylenecyclooctene-3,4-diol	400	NA
				9H-Fluorene, 3-methyl-	460	NA
				Acenaphthene	78	140
				Acenaphthylene	100	NA
				Acetophenone	120	NA
				Anthracene	260	107
				Anthracene, 9-methyl-	*540*	NA
				Anthracene, 9-methyl-	*560*	NA
				Azuleno[4,5-b]furan-2(3H)-one, decahydro-8,9-dih	430	NA
				Benzaldehyde	240	NA
				Benzo(a)anthracene	1000	12
				Benzo(a)pyrene	1100	1.3
				Benzo(b)fluoranthene	1500	NA
				Benzo(g,h,i)perylene	710	NA
				Benzo(k)fluoranthene	510	NA
				Benzyl Alcohol	1100	NA
				Bis(2-ethylhexyl)phthalate	180	199.5
				Carbazole	110	NA
				Chrysene	1300	NA
				Cyclononanone, oxime	530	NA
				Dibenzo(a,h)anthracene	170	NA
				Dibenzofuran	42	NA
				E,E-3,13-Octadecadien-1-ol	510	NA
				Equilenin	420	NA
				Fluoranthene	2400	1020
				Fluorene	140	NA
				Indeno(1,2,3-cd)pyrene	800	NA
				Naphthalene	99	30
				Phenanthrene	1400	NA
				Phenanthrene, 2,5-dimethyl-	640	NA
				Phenol	65	0.5
				Pyrene	1900	961

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1069 (cont.)	R3-3	78	84	Total Alkanes	6600	NA
				Z-8-Methyl-9-tetradecen-1-ol formate	480	NA
007-1070	R3-3	90	96	1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	450	NA
				1,1'-Biphenyl, 2,3',5-trichloro-	*490*	NA
				1,1'-Biphenyl, 2,3',5-trichloro-	*780*	NA
				1,1'-Biphenyl, 2,3-dichloro-	230	NA
				1,1'-Biphenyl, 2,4,5-trichloro-	780	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	810	NA
				1,22-Docosanediol	340	NA
				13-Tertadecen-1-ol acetate	270	NA
				17-Pentatriacontene	570	NA
				1H-Imidazole, 2-ethyl-4-methyl-	270	NA
				2-Hexanone, 3-cyclohexylidene-4-ethyl-	650	NA
				2-Methylnaphthalene	58	NA
				3-Methoxy-5-nitrobenzotrifluoride	280	NA
				4-Methylphenol	30	NA
				7H-Benzo[c]fluorene	270	NA
				9-Decen-2-one	390	NA
				9-Octadecenoic acid, (E)-	310	NA
				Acenaphthene	49	140
				Acenaphthylene	60	NA
				Acetophenone	82	NA
				Anthracene	160	107
				Anthracene, 9-methyl-	*240*	NA
				Anthracene, 9-methyl-	*260*	NA
				Benz[a]anthracene, 7,12-dihydro-	410	NA
				Benz[a]anthracene, 8-methyl-	730	NA
				Benzaldehyde	150	NA
				Benzo(a)anthracene	660	12
				Benzo(a)pyrene	640	1.3
				Benzo(b)fluoranthene	870	NA
				Benzo(g,h,i)perylene	440	NA
				Benzo(k)fluoranthene	310	NA
				Bicyclo[2.2.1]heptane-2-methanol	330	NA
				Bis(2-ethylhexyl)phthalate	100	199.5
				Borinic acid, diethyl-, 1,1-dimethyl-3-(trimethy	250	NA
				Carbazole	69	NA
				Chrysene	810	NA
				Chrysene, 6-methyl-	700	NA
				Cyclohexanone, 2-[(4-methoxyphenyl)methylene]-	220	NA
				Dibenzo(a,h)anthracene	110	NA
				Dibenzo[c,h][2,6]naphthyridine	300	NA
				Dibenzofuran	36	NA
				Fluoranthene	1600	1020
				Fluorene	77	NA
				Indeno(1,2,3-cd)pyrene	480	NA
				Naphthalene	70	30
				Nonadecanamide	290	NA
				Phenanthrene	950	NA
				Phenanthrene, 2,5-dimethyl-	330	NA
				Phenol	41	0.5
				Phthalic anhydride	970	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1070 (cont.)	R3-3	90	96	Pyrene	1700	961
				Pyrene, 1-methyl-	620	NA
				Pyrene, 2-methyl-	610	NA
				Total Alkanes	5100	NA
				Z,Z-3,13-Octadecadien-1-ol	280	NA
007-1071	R3-12	6	12	[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih	920	NA
				11,12-Dibromo-tetradecan-1-ol acetate	1400	NA
				1-Decanol, 2-hexyl-	670	NA
				1-Docosene	1100	NA
				1-Heptadecene	570	NA
				1H-Indene, 5-butyl-6-hexyloctahydro-	*600*	NA
				1H-Indene, 5-butyl-6-hexyloctahydro-	*720*	NA
				1H-Indene, 5-butyl-6-hexyloctahydro-	*1400*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*610*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*740*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*810*	NA
				2-Methyl-E,E-3,13-octadecadien-1-ol	990	NA
				2-Methylnaphthalene	40	NA
				3,3'-Bi-p-menthane	750	NA
				3-Methyl-2-(2-oxopropyl)furan	840	NA
				4-Methylphenol	13	NA
				4-n-Hexylthiane, S,S-dioxide	650	NA
				9H-Fluorene, 2-methyl-	560	NA
				Acenaphthene	71	140
				Acenaphthylene	45	NA
				Acetophenone	70	NA
				Anthracene	170	107
				Anthracene, 1-methyl-	770	NA
				Benzaldehyde	90	NA
				Benzo(a)anthracene	820	12
				Benzo(a)pyrene	1000	1.3
				Benzo(b)fluoranthene	1400	NA
				Benzo(g,h,i)perylene	790	NA
				Benzo(k)fluoranthene	550	NA
				Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimethyl-, (1	610	NA
				Bicyclo[4.1.0]heptan-2-one, 1-methyl-	760	NA
				Bis(2-ethylhexyl)phthalate	780	199.5
				Butylbenzylphthalate	27	NA
				Carbazole	65	NA
				Chrysene	1100	NA
				Cyclohexene, 4-(4-ethylcyclohexyl)-1-pentyl-	720	NA
				Dibenzo(a,h)anthracene	150	NA
				Dibenzofuran	36	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	*720*	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	*920*	NA
				Ethanone, 1-(2,2-dimethylcyclopentyl)-	880	NA
				Fluoranthene	1800	1020
				Fluorene	98	NA
				Indeno(1,2,3-cd)pyrene	750	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1071 (cont.)	R3-12	6	12	Naphthalene	50	30
				Oxirane, 2-decyl-3-(5-methylhexyl)-, cis-	1100	NA
				Pentalene, octahydro-2-[(2-octyl)decyl]-	540	NA
				Perylene	700	NA
				Phenanthrene	850	NA
				Phenanthrene, 2,3-dimethyl-	540	NA
				Phenanthrene, 3,6-dimethyl-	610	NA
				Phenol	20	0.5
				Pyrene	2100	961
				Total Alkanes	12000	NA
007-1072	R3-12	18	24	.beta.-Methylionone	8700	NA
				1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	2500	NA
				1,1'-Biphenyl, 2,3,4-trichloro-	2600	NA
				1,1'-Biphenyl, 2',3,4-trichloro-	2300	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	*1600*	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	*2500*	NA
				1,1'-Biphenyl, 2,5-dichloro-	3300	NA
				1,1'-Biphenyl, 4,4'-dichloro-	1800	NA
				1,1'-Biphenyl, pentachloro-	3000	NA
				1,1'-Biphenyl, trichloro-	3800	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	2100	NA
				1H-Pyrrolo[2,3-b]pyridine, 4-methyl-2-phenyl-	1700	NA
				2,4,5,5,8a-Pentamethyl-6,7,8,8a-tetrahydro-5H-ch	*2700*	NA
				2,4,5,5,8a-Pentamethyl-6,7,8,8a-tetrahydro-5H-ch	*6000*	NA
				2,5-Nonadien-4-one, 9-(3-furanyl)-2,6-dimethyl-,	3100	NA
				2,6,10,14,18-Pentamethyl-2,6,10,14,18-eicosapent	2400	NA
				2-[[2-Nitrophenyl]methylene]-1H-indene-1,3(2H)-d	1600	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorop	1700	NA
				2-Methylnaphthalene	110	NA
				7H-Benzo[c]fluorene	2500	NA
				Acenaphthene	260	140
				Acenaphthylene	170	NA
				Acetophenone	150	NA
				Anthracene	570	107
				Anthracene, 9-(2-propenyl)-	3900	NA
				Benzo(a)anthracene	1900	12
				Benzo(a)pyrene	1700	1.3
				Benzo(b)fluoranthene	2600	NA
				Benzo(g,h,i)perylene	1400	NA
				Benzo(k)fluoranthene	1100	NA
				Benzo[b]naphtho[2,3-d]furan	1600	NA
				Bis(2-ethylhexyl)phthalate	2500	199.5
				Carbazole	120	NA
				Chol-23-ene, (5.beta.)-	1900	NA
				Chrysene	2300	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1072 (cont.)	R3-12	18	24	Decahydro-4,4,8,9,10-pentamethylnaphthalene	1800	NA
				Dibenzo(a,h)anthracene	350	NA
				Dibenzofuran	130	NA
				Fluoranthene	4700	1020
				Fluorene	500	NA
				Indeno(1,2,3-cd)pyrene	1300	NA
				Naphthalene	120	30
				Naphthalene, 1,6,7-trimethyl-	1600	NA
				Phenanthrene	2500	NA
				Phenmethylcynide, .alpha.,.alpha.-dimethyl-2-met	2700	NA
				Pyrene	5300	961
				Total Alkanes	61000	NA
007-1073	R3-12	30	36	1,1'-Biphenyl, 2,3,4-trichloro-	1100	NA
				17-Pentatriacontene	1000	NA
				1-Cyclohexylheptene	990	NA
				1-Decene, 10-bromo-	1100	NA
				1-Docosene	*1200*	NA
				1-Docosene	*1200*	NA
				1-Docosene	*2000*	NA
				1H-Indene, 1-(1,5-dimethyl-2-hexenyl)octahydro-7	1300	NA
				2,4-Hexadienedioic acid, diethyl ester	1100	NA
				2,7,11-Trimethyl-4-phenylthiododeca-2,6,10-trien	1200	NA
				2-Butyloxycarbonyloxy-1,1,10-trimethyl-6,9-epidi	1300	NA
				2-Dodecen-1-yl(-)succinic anhydride	1300	NA
				2-Methyl-3-[(1S,2S)-1,3,3-trimethyl-2-(2-hydroxy	1400	NA
				2-Methylnaphthalene	57	NA
				3-Cyclohexene-1-carboxaldehyde, 1,3,4-trimethyl-	2200	NA
				3-Ethyl-6-trifluoroacetoxyoctane	1800	NA
				4,8,12,16-Octadecatetraen-1-ol, 4,9,13,17-tetram	1500	NA
				4-Chloro-3-n-hexyltetrahydropyrane	1200	NA
				4-Methylphenol	40	NA
				5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl	1300	NA
				8-Methyloctahydrocoumarin	1200	NA
				Acenaphthene	60	140
				Acenaphthylene	59	NA
				Acetophenone	140	NA
				Anthracene	130	107
				Anthracene, 1-methyl-	1200	NA
				Benzaldehyde	270	NA
				Benzene, (4,5,5-trimethyl-1,3-cyclopentadien-1-y	900	NA
				Benzo(a)anthracene	540	12
				Benzo(a)pyrene	550	1.3
				Benzo(b)fluoranthene	700	NA
				Benzo(g,h,i)perylene	440	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1073 (cont.)	R3-12	30	36	Benzo(k)fluoranthene	300	NA
				Benzyl Alcohol	1300	NA
				Bis(2-ethylhexyl)phthalate	230	199.5
				Chrysene	670	NA
				Cyclohexene, 1,6-dimethyl-	1200	NA
				Dibenzo(a,h)anthracene	100	NA
				Dibenzofuran	35	NA
				Di-n-butylphthalate	99	NA
				E-10,13,13-Trimethyl-11-tetradecen-1-ol acetate	1200	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	1200	NA
				E-8-Methyl-9-tetradecen-1-ol acetate	2100	NA
				Fluoranthene	1200	1020
				Fluorene	150	NA
				Indeno(1,2,3-cd)pyrene	460	NA
				Methyl 5-methyl-2-ethenyl-cyclohexane-1-carboxyl	1100	NA
				Naphthalene	71	30
				Naphthalene, 1,2,3,4-tetramethyl-	2400	NA
				Phenanthrene	650	NA
				Phenol	35	0.5
				Phthalic anhydride	1300	NA
				Pyrene	1100	961
				Total Alkanes	21000	NA
				Z-11,13-Dimethyl-11-tetradecen-1-ol acetate	1100	NA
007-1074	R3-12	42	48	1(2H)-Naphthalenone, 6-(1,1-dimethylethyl)-3,4-d	760	NA
				14-Pentadecenoic acid	1200	NA
				1-Cyclohexylnonene	850	NA
				1-Hexadecene	990	NA
				1H-Indene, octahydro-2,2,4,4,7,7-hexamethyl-, tr	870	NA
				2,4,6-Trichlorophenol	33	NA
				2-Dodecen-1-yl(-)succinic anhydride	*860*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*1200*	NA
				2-Methylnaphthalene	45	NA
				4-Decyne	1200	NA
				4-Methylphenol	35	NA
				5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl	1500	NA
				5-Octadecene, (E)-	860	NA
				6-Octen-1-ol, 3,7-dimethyl-, (R)-	1000	NA
				6-Octen-1-ol, 3,7-dimethyl-, formate	1000	NA
				Acenaphthylene	45	NA
				Acetophenone	130	NA
				Anthracene	72	107
				Azulene, 7-ethyl-1,4-dimethyl-	1400	NA
				Benzaldehyde	240	NA
				Benzo(a)anthracene	360	12
				Benzo(a)pyrene	360	1.3
				Benzo(b)fluoranthene	490	NA
				Benzo(g,h,i)perylene	240	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1074 (cont.)	R3-12	42	48	Benzo(k)fluoranthene	180	NA
				Benzyl Alcohol	1000	NA
				Bicyclo[3.1.1]heptan-3-one, 2-(but-3-enyl)-6,6-d	790	NA
				Bis(2-ethylhexyl)phthalate	190	199.5
				Chrysene	470	NA
				Cyclododecanol, 1-ethenyl-	1600	NA
				Cyclododecyl isothiocyanate	2600	NA
				Cyclohexane, 1,1',1''-(1-ethanyl-2-ylidene)tris-	2200	NA
				Cyclohexane, 1,1,2-trimethyl-3,5-bis(1-methyleth	1700	NA
				Cyclohexanone, 2,2-dimethyl-5-(3-methyloxiranyl)	1200	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	870	NA
				Dibenzo(a,h)anthracene	72	NA
				Dibenzofuran	26	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	1100	NA
				Fluoranthene	710	1020
				Fluorene	46	NA
				Hexadecanoic acid, 2-hydroxy-, methyl ester	1100	NA
				Indeno(1,2,3-cd)pyrene	240	NA
				Muurolane	1300	NA
				Naphthalene	64	30
				Octadecanal	3400	NA
				Oxirane, hexadecyl-	1100	NA
				Phenanthrene	350	NA
				Phenol	38	0.5
				Phthalic anhydride	*1300*	NA
				Phthalic anhydride	*1600*	NA
				Pyrene	690	961
				Thujone	1500	NA
				Total Alkanes	20000	NA
007-1075	R3-12	54	60	[2.2]Paracyclophane	880	NA
				11H-Benzo[a]fluorene	*210*	NA
				11H-Benzo[a]fluorene	*240*	NA
				13-Tertadecen-1-ol acetate	250	NA
				2,4,6-Trichlorophenol	31	NA
				2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl-, (E,E	270	NA
				2-Methylnaphthalene	23	NA
				2-Nonadecanone	920	NA
				2-Propanone, 1-cyclopropyl-	260	NA
				2-Tetradecanone	260	NA
				4-Decene, 7-methyl-, (E)-	240	NA
				4H-1-Benzopyran-4-one, 3-hydroxy-6-methyl-2-(4-m	210	NA
				4-Methylphenol	37	NA
				5-Decyne	240	NA
				6-Isopropylquinoline	320	NA
				8-Methyl-9,11-tridecadienol propionate	320	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1075 (cont.)	R3-12	54	60	9,10-Dimethylanthracene	190	NA
				9H-Fluorene-2,7-diamine	220	NA
				Acenaphthene	17	140
				Acenaphthylene	33	NA
				Acetophenone	90	NA
				Anthracene	68	107
				Anthracene, 9-dodecyltetradecahydro-	280	NA
				Asarone	230	NA
				Benzaldehyde	150	NA
				Benzene, 1-phenyl-4-(2,2-dicyanoethenyl)	210	NA
				Benzo(a)anthracene	350	12
				Benzo(a)pyrene	340	1.3
				Benzo(b)fluoranthene	390	NA
				Benzo(g,h,i)perylene	180	NA
				Benzo(k)fluoranthene	140	NA
				Benzo[e]pyrene	210	NA
				Benzyl Alcohol	750	NA
				Bis(2-ethylhexyl)phthalate	130	199.5
				Carbazole	23	NA
				Chrysene	400	NA
				Cyclohexene, 3-methyl-6-(1-	530	NA
				Cyclopropylidene-3,3-dimethylcyclohex-5-ene diep	240	NA
				Dibenzo(a,h)anthracene	64	NA
				Di-n-butylphthalate	15	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	250	NA
				Fluoranthene	600	1020
				Fluoranthene, 2-methyl-	390	NA
				Fluorene	31	NA
				Indeno(1,2,3-cd)pyrene	210	NA
				Naphthalene	35	30
				Octanal, 7-hydroxy-3,7-dimethyl-	200	NA
				Oxirane, tetradecyl-	480	NA
				Oxirane, tetramethyl-	300	NA
				Phenanthrene	300	NA
				Phenol	27	0.5
				Phthalic anhydride	1200	NA
				Pyrene	740	961
				Pyrene, 1-methyl-	240	NA
				Total Alkanes	6100	NA
007-1076	R3-12	66	72	1,2,5-Trimethylpyrrole	140	NA
				1,3-Diaza-5,6-dedihydrocyclohexan-4-one-2-thione	450	NA
				1-Tetracosanol	250	NA
				2,3-Diazabicyclo[2.2.1]hept-5-ene-2,3-dicarboxyl	730	NA
				Acetophenone	48	NA
				Benzaldehyde	120	NA
				Benzene,-(1-formylethyl)-	140	NA
				Benzo(a)anthracene	13	12
				Benzo(b)fluoranthene	19	NA
				Benzyl Alcohol	570	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
007-1076 (cont.)	R3-12	66	72	Bis(2-ethylhexyl)phthalate	33	199.5
				Butanal, propylhydrazone	150	NA
				Chrysene	20	NA
				Fluoranthene	30	1020
				Octanamide, N,N-dimethyl-	160	NA
				Oxirane, hexadecyl-	140	NA
				Oxirane, tetramethyl-	160	NA
				Phenanthrene	19	NA
				Phenol	21	0.5
				Phthalic anhydride	630	NA
				Pyrene	33	961
				Total Alkanes	1900	NA
007-1077	R3-12	78	84	[2.2]Paracyclophane	430	NA
				1,2,3,4-Tetrahydropentalene, 1,1-dimethyl-3-cyan	200	NA
				Acetophenone	28	NA
				Benzaldehyde	62	NA
				Benzoic acid, 2-[[[4-[(acetylamino)sulfonyl]phen	510	NA
				Phenol	9.9	0.5
				Total Alkanes	130	NA
R1-1A	R1-1	0	6	1-Octanol	300	NA
				Acetophenone	220	NA
				Benzaldehyde	79	NA
				Benzo(a)anthracene	19	12
				Benzo(a)pyrene	26	1.3
				Benzo(b)fluoranthene	29	NA
				Benzo(g,h,i)perylene	26	NA
				Benzo(k)fluoranthene	13	NA
				Benzoic acid, 2-amino-4-nitro-	2300	NA
				Bis(2-ethylhexyl)phthalate	220	199.5
				Butylbenzylphthalate	9.4	NA
				Chloroxylenol	210	NA
				Chrysene	23	NA
				Dibenzo(a,h)anthracene	220	NA
				Di-n-butylphthalate	220	NA
				Fluoranthene	41	1020
				Indeno(1,2,3-cd)pyrene	27	NA
				Naphthalene	8.8	30
				Phenanthrene	22	NA
				Phenol	16	0.5
				Pyrene	37	961
				Total Alkanes	840	NA
				Valeric acid, 3,5-dihydroxy-2,4-dimethyl-, .delt	200	NA
R1-1B	R1-1	6	12	Acetophenone	280	NA
				Benzaldehyde	110	NA
				Benzo[b]thiophen-3(2H)-one, 2-(3-oxobenzo[b]thie	130	NA
				Chloroxylenol	130	NA
				Di-n-butylphthalate	280	NA
				Naphthalene	10	30

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R1-1B (cont.)	R1-1	6	12	Phenanthrene	12	NA
				Phenol	28	0.5
				Pyrene	9.9	961
				Stearic acid hydrazide	210	NA
				Total Alkanes	2400	NA
				Unsaturated Hydrocarbon	590	NA
R1-1C	R1-1	18	24	Acetophenone	280	NA
				Benzaldehyde	100	NA
				Bis(2-ethylhexyl)phthalate	280	199.5
				Chloroxylenol	200	NA
				Hexadecanoic acid, 4-nitrophenyl ester	240	NA
				Phenol	140	0.5
				Total Alkanes	1900	NA
				Unsaturated Hydrocarbon	660	NA
R1-2A	R1-2	0	6	(4,6-Dichloro[1,3,5]triazin-2-yl)-phenyl-amine	140	NA
				.alpha.-Ketostearic acid	170	NA
				1-(1-Trimethylsiloxyethenyl)-4-trimethylsiloxy-b	130	NA
				1,1'-Biphenyl, trichloro-	110	NA
				10-Bromo-1,2,3,4-tetrahydro-phenanthren-9-ol	140	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	130	NA
				1-Mercapto-2-heptadecanone	360	NA
				2-Methylnaphthalene	17	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	100	NA
				4H-Cyclopenta[def]phenanthrene	330	NA
				4-Methylphenol	11	NA
				9,10-Anthracenedione	330	NA
				9H-Fluorene, 4-methyl-	140	NA
				Acenaphthene	62	140
				Acenaphthylene	15	NA
				Acetophenone	230	NA
				Anthracene	200	107
				Anthracene, 2-methyl-	130	NA
				Anthracene, 9-methyl-	190	NA
				Benzaldehyde	45	NA
				Benzo(a)anthracene	950	12
				Benzo(a)pyrene	730	1.3
				Benzo(b)fluoranthene	1000	NA
				Benzo(g,h,i)perylene	450	NA
				Benzo(k)fluoranthene	410	NA
				Benzo[e]pyrene	*170*	NA
				Benzo[e]pyrene	*600*	NA
				Bis(2-ethylhexyl)phthalate	230	199.5
				Carbazole	110	NA
				Chrysene	980	NA
				Cyclopenta[cd]pyrene	290	NA
				Cyclopropanemethanol, 2-methyl-2-(4-methyl-3-pen	100	NA
				Dibenzo(a,h)anthracene	230	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R1-2A (cont.)	R1-2	0	6	Dibenzofuran	39	NA
				Di-n-butylphthalate	230	NA
				Farnesol isomer a	180	NA
				Fluoranthene	1900	1020
				Fluoranthene, 2-methyl-	*120*	NA
				Fluoranthene, 2-methyl-	*150*	NA
				Fluorene	85	NA
				Indeno(1,2,3-cd)pyrene	580	NA
				Naphthalene	21	30
				Octadecanoic acid, ethenyl ester	270	NA
				Phenanthrene	1100	NA
				Phenanthrene, 2,3-dimethyl-	160	NA
				Phenol	24	0.5
				PNA, MW = 264	140	NA
				Polycyclic hydrocarbon	*110*	NA
				Polycyclic hydrocarbon	*120*	NA
				p-Terphenyl	120	NA
				Pyrene	1900	961
				Pyrene, 1-methyl-	130	NA
				Pyrene, 2-methyl-	230	NA
				Total Alkanes	1700	NA
				Unsaturated Hydrocarbon	440	NA
				Vanadium, (.eta.5-2,4-cyclopentadien-1-yl)[(1,2,	120	NA
R1-2B	R1-2	6	12	Acetophenone	260	NA
				Benzaldehyde	58	NA
				Benzo(a)anthracene	10	12
				Benzo(a)pyrene	260	1.3
				Benzo(b)fluoranthene	260	NA
				Benzo(g,h,i)perylene	260	NA
				Benzo(k)fluoranthene	260	NA
				Benzoic acid, 2-amino-4-nitro-	300	NA
				Bis(2-ethylhexyl)phthalate	260	199.5
				Chloroxylenol	580	NA
				Chrysene	8.7	NA
				Dibenzo(a,h)anthracene	260	NA
				Di-n-butylphthalate	260	NA
				Fluoranthene	8.1	1020
				Hexadecanal, 2-methyl-	380	NA
				Indeno(1,2,3-cd)pyrene	260	NA
				Octadecanoic acid, ethenyl ester	120	NA
				Phenol	14	0.5
				Pyrene	8.1	961
				Total Alkanes	1300	NA
				Unsaturated Hydrocarbon	430	NA
R1-2C	R1-2	18	24	Acetophenone	280	NA
				Benzaldehyde	70	NA
				Benzo(a)pyrene	280	1.3
				Benzo(b)fluoranthene	280	NA
				Benzo(g,h,i)perylene	280	NA
				Benzo(k)fluoranthene	280	NA
				Bis(2-ethylhexyl)phthalate	280	199.5
				Chloroxylenol	550	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R1-2C (cont.)	R1-2	18	24	Dibenzo(a,h)anthracene	280	NA
				Di-n-butylphthalate	280	NA
				Indeno(1,2,3-cd)pyrene	280	NA
				Octadecanoic acid, ethenyl ester	380	NA
				Phenol	120	0.5
				Stearic acid hydrazide	470	NA
				Total Alkanes	1400	NA
				Unsaturated Hydrocarbon	510	NA
R1-3A	R1-3	0	6	1-Mercapto-2-heptadecanone	290	NA
				4-Methylphenol	44	NA
				Acenaphthene	13	140
				Acetophenone	280	NA
				Anthracene	41	107
				Benzaldehyde	54	NA
				Benzo(a)anthracene	140	12
				Benzo(a)pyrene	120	1.3
				Benzo(b)fluoranthene	150	NA
				Benzo(g,h,i)perylene	94	NA
				Benzo(k)fluoranthene	52	NA
				Benzo[e]pyrene	120	NA
				Bis(2-ethylhexyl)phthalate	280	199.5
				Carbazole	14	NA
				Chloroxylenol	200	NA
				Chrysene	150	NA
				Dibenzo(a,h)anthracene	280	NA
				Di-n-butylphthalate	280	NA
				Fluoranthene	270	1020
				Fluorene	19	NA
				Indeno(1,2,3-cd)pyrene	110	NA
				Naphthalene	11	30
				Phenanthrene	200	NA
				Phenol	13	0.5
				Pyrene	250	961
				Total Alkanes	1700	NA
R1-3B	R1-3	6	12	1-Hexene, 4-ethyl-	520	NA
				2-Pentadecanone, 6,10,14-trimethyl-	230	NA
				Acetophenone	270	NA
				Benzaldehyde	45	NA
				Benzo(a)pyrene	15	1.3
				Bis(2-ethylhexyl)phthalate	270	199.5
				Chloroxylenol	180	NA
				Di-n-butylphthalate	270	NA
				Phenol	11	0.5
				Total Alkanes	1600	NA
R1-3C	R1-3	18	24	2-Hexanone, 5-methyl-	110	NA
				Acetophenone	260	NA
				Benzaldehyde	92	NA
				Bis(2-ethylhexyl)phthalate	260	199.5
				Chloroxylenol	110	NA
				Di-n-butylphthalate	260	NA
				Octadecanoic acid, ethenyl ester	240	NA
				Phenanthrene	11	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R1-3C (cont.)	R1-3	18	24	Phenol	29	0.5
				Total Alkanes	1800	NA
				Unsaturated Hydrocarbon	680	NA
R1-4A	R1-4	0	6	1-Mercapto-2-heptadecanone	230	NA
				4-Methyl-dodec-3-en-1-ol	130	NA
				Acenaphthene	17	140
				Acetophenone	300	NA
				Anthracene	63	107
				Anthracene, 1,4-dimethyl-	120	NA
				Benzaldehyde	72	NA
				Benzo(a)anthracene	240	12
				Benzo(a)pyrene	220	1.3
				Benzo(b)fluoranthene	290	NA
				Benzo(g,h,i)perylene	200	NA
				Benzo(k)fluoranthene	120	NA
				Bis(2-ethylhexyl)phthalate	300	199.5
				Butylbenzylphthalate	17	NA
				Carbazole	15	NA
				Chrysene	240	NA
				Dibenzo(a,h)anthracene	40	NA
				Dibenzofuran	9.9	NA
				Diethylphthalate	18	NA
				Di-n-butylphthalate	300	NA
				Fluoranthene	630	1020
				Fluorene	26	NA
				Indeno(1,2,3-cd)pyrene	210	NA
				Naphthalene	14	30
				Phenanthrene	300	NA
				Phenol	19	0.5
				Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-	320	NA
				Pyrene	440	961
				Total Alkanes	2300	NA
				Unknown aromatic	270	NA
				Unsaturated Hydrocarbon	370	NA
R1-4B	R1-4	6	12	1-Decanol, 2-hexyl-	130	NA
				Acetophenone	240	NA
				Benzaldehyde	42	NA
				Benzo(a)pyrene	14	1.3
				Benzo(b)fluoranthene	11	NA
				Benzo(g,h,i)perylene	12	NA
				Bis(2-ethylhexyl)phthalate	240	199.5
				Dibenzo(a,h)anthracene	9.2	NA
				Diethylphthalate	15	NA
				Di-n-butylphthalate	240	NA
				Fluoranthene	12	1020
				Indeno(1,2,3-cd)pyrene	12	NA
				Octadecanoic acid, ethenyl ester	250	NA
				Phenanthrene	8.4	NA
				Phenol	7.5	0.5
				Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-	210	NA
				Pyrene	11	961

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R1-4B (cont.)	R1-4	6	12	Total Alkanes	1200	NA
				Unsaturated Hydrocarbon	200	NA
R1-4C	R1-4	18	24	Acetophenone	300	NA
				Benzaldehyde	38	NA
				Benzo(a)pyrene	12	1.3
				Benzo(b)fluoranthene	9.5	NA
				Benzo(g,h,i)perylene	12	NA
				Bis(2-ethylhexyl)phthalate	300	199.5
				Butylbenzylphthalate	9.5	NA
				Diethylphthalate	13	NA
				Di-n-butylphthalate	300	NA
				Fluoranthene	11	1020
				Phenol	110	0.5
				Pyrene	13	961
				Total Alkanes	2100	NA
				Unknown oxyhydrocarbon	250	NA
R2-10A	R2-10	0	6	[1,1'-Bicyclohexyl]-4-carboxylic acid, 4'-propyl	270	NA
				[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih	240	NA
				1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	210	NA
				1-Hydroxy-p-menth-3-one	430	NA
				1-Pentacosanol	390	NA
				2-[p-Cyanophenyl]-5-chlorobenzimidazole	200	NA
				2-Cyclohexen-1-one, 4-(3-hydroxy-1-butenyl)-3,5,	480	NA
				2-Methylnaphthalene	33	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	270	NA
				4H-Cyclopenta[def]phenanthrene	1100	NA
				4-Methylphenol	33	NA
				6H-Dibenzo[b,d]pyran-6-one, 3,7,9-trihydroxy-1-m	200	NA
				7H-Benzo[c]carbazole	160	NA
				9,10-Anthracenedione	500	NA
				9,10-Anthracenedione, 1-hydroxy-2-(hydroxymethyl	160	NA
				9H-Fluorene, 2-methyl-	210	NA
				Acenaphthene	58	140
				Acenaphthylene	40	NA
				Acetophenone	360	NA
				Anthracene	140	107
				Anthracene, 1,4-dimethyl-	230	NA
				Anthracene, 1-methyl-	410	NA
				Anthracene, 9-dodecyltetradecahydro-	170	NA
				Benzaldehyde	63	NA
				Benzo(a)anthracene	1000	12
				Benzo(a)pyrene	1100	1.3
				Benzo(b)fluoranthene	1700	NA
				Benzo(g,h,i)perylene	830	NA
				Benzo(k)fluoranthene	530	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-10A (cont.)	R2-10	0	6	Benzo[e]pyrene	260	NA
				Bis(2-ethylhexyl)phthalate	360	199.5
				Butylbenzylphthalate	56	NA
				Carbazole	110	NA
				Chloroxylenol	180	NA
				Chrysene	1200	NA
				Dibenzo(a,h)anthracene	360	NA
				Dibenzofuran	41	NA
				Di-n-butylphthalate	360	NA
				Fluoranthene	2600	1020
				Fluorene	90	NA
				Indeno(1,2,3-cd)pyrene	980	NA
				Indeno[1,2,3-cd]fluoranthene	180	NA
				Naphthalene	48	30
				Octadecanoic acid, ethenyl ester	310	NA
				Perylene	600	NA
				Phenanthrene	970	NA
				Phenanthrene, 2,3-dimethyl-	410	NA
				Phenol	35	0.5
				Polycyclic hydrocarbon	450	NA
				Pyrene	1900	961
				Pyrene, 1,3-dimethyl-	230	NA
				Sesquirosefuran	190	NA
				Silane, 1,2-ethanediylbis[triethenyl-	190	NA
				Total Alkanes	3800	NA
				Unsaturated Hydrocarbon	540	NA
R2-10B	R2-10	6	12	10-Heneicosene (c,t)	650	NA
				1-Hexadecene	420	NA
				1-Nonadecene	360	NA
				1-Octadecene	740	NA
				1-Trimethylsilylpent-1-en-4-yne	370	NA
				2-Dodecen-1-yl(-)succinic anhydride	380	NA
				2-Methylnaphthalene	20	NA
				2-Methylphenol	29	NA
				3,3-Dimethyl-hepta-4,5-dien-2-ol	430	NA
				3-Cyclohexene-1-carboxaldehyde, 1,3,4-trimethyl-	730	NA
				3-Eicosyne	350	NA
				3-Methyl-1-(phenylthio)butan-2-one	370	NA
				4H-Benzo[def]carbazole	340	NA
				4H-Cyclopenta[def]phenanthrene	490	NA
				4-Methylphenol	57	NA
				5H-Dibenzo[a,d]cyclohepten-5-ol, 10,11-dihydro-	660	NA
				9-Undecenol, 2,10-dimethyl-	540	NA
				Acenaphthene	17	140
				Acenaphthylene	19	NA
				Acetophenone	270	NA
				Amorphane	*290*	NA
				Amorphane	*590*	NA
				Amrinone	420	NA
				Anthracene	34	107
				Anthracene, 1-methyl-	460	NA
				Benzaldehyde	74	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-10B (cont.)	R2-10	6	12	Benzo(a)anthracene	260	12
				Benzo(a)pyrene	270	1.3
				Benzo(b)fluoranthene	400	NA
				Benzo(g,h,i)perylene	270	NA
				Benzo(k)fluoranthene	270	NA
				Benzo[j]fluoranthene	490	NA
				Bicyclo[3.1.1]heptan-3-one, 6,6-dimethyl-2-(2-me	510	NA
				Bis(2-ethylhexyl)phthalate	500	199.5
				Butylbenzylphthalate	39	NA
				Carbazole	37	NA
				Chloroxylenol	350	NA
				Chrysene	360	NA
				Dibenzo(a,h)anthracene	270	NA
				Dibenzofuran	15	NA
				Fluoranthene	570	1020
				Fluorene	31	NA
				Hexadecanoic acid, 2-methoxy-, methyl ester	480	NA
				Indeno(1,2,3-cd)pyrene	270	NA
				Naphthalene	24	30
				Naphthalene, 1,2,3,4-tetramethyl-	300	NA
				Phenanthrene	270	NA
				Phenol	54	0.5
				Pyrene	570	961
				Total Alkanes	8600	NA
				Tricyclo[3.3.1.13,7]decanone, 4-bromo-, (1.alpha	280	NA
				Unknown oxyhydrocarbon	1600	NA
				Unsaturated Hydrocarbon	350	NA
R2-10C	R2-10	18	24	1,1'-Biphenyl	12	NA
				1,1'-Biphenyl, 2,2',3,5-Tetrachloro-	2900	NA
				1,1'-Biphenyl, 2,2',3,6'-tetrachloro-	800	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	1800	NA
				1,1'-Biphenyl, trichloro-	1500	NA
				1H-Indene, 5-butyl-6-hexyloctahydro-	1300	NA
				2-(2-Iodoethyl)-1,3,3-trimethylcyclohexene	1200	NA
				2-Dodecen-1-yl(-)succinic anhydride	*880*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*1300*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*2600*	NA
				2-Methylnaphthalene	45	NA
				2-Methylphenol	56	NA
				3-Cyclohexene-1-carboxaldehyde, 1,3,4-trimethyl-	2100	NA
				4-Methylphenol	110	NA
				Acenaphthene	18	140
				Acenaphthylene	38	NA
				Acetophenone	270	NA
				Anthracene	95	107
				Benzaldehyde	81	NA
				Benzo(a)anthracene	470	12
				Benzo(a)pyrene	380	1.3
				Benzo(b)fluoranthene	570	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-10C (cont.)	R2-10	18	24	Benzo(g,h,i)perylene	350	NA
				Benzo(k)fluoranthene	270	NA
				Bis(2-ethylhexyl)phthalate	2200	199.5
				Borinic acid, diethyl-, 1-cyclododecen-1-yl este	1300	NA
				Carbazole	49	NA
				Chrysene	510	NA
				Dibenzo(a,h)anthracene	270	NA
				Dibenzofuran	47	NA
				Fluoranthene	750	1020
				Fluorene	62	NA
				Imidazole, 4-methyl-5-[3,3,3-trifluoropropionylp	2100	NA
				Indeno(1,2,3-cd)pyrene	350	NA
				Muurolane	1700	NA
				N-(4-Methoxyphenyl)-2-hydroxyimino-acetamide	4000	NA
				Naphthalene	41	30
				Naphthalene, 1-methyl-7-(1-	1800	NA
				Phenanthrene	290	NA
				Phenol	530	0.5
				Phenol, 3,4,5-trimethoxy-	1800	NA
				Phosphetane, 1-chloro-2,2,3,4,4-pentamethyl-, 1-	3400	NA
				Polycyclic hydrocarbon	*770*	NA
				Polycyclic hydrocarbon	*780*	NA
				Polycyclic hydrocarbon	*1000*	NA
				Polycyclic hydrocarbon	*1700*	NA
				Pyrene	990	961
				Pyrimidine, 4,6-diamino-5-formamino-penta-N-meth	820	NA
				Spiro[4.5]decan-7-one, 1,8-dimethyl-4-(1-methyle	2900	NA
				Spiro[4.5]decan-7-one, 1,8-dimethyl-8,9-	3700	NA
				Total Alkanes	21000	NA
				Triallylvinylsilane	2300	NA
				Unknown aromatic	1400	NA
				Unknown oxyhydrocarbon	*2100*	NA
				Unknown oxyhydrocarbon	*2400*	NA
R2-11A	R2-11	0	6	1,1'-Biphenyl	8.3	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	210	NA
				11H-Benzo[a]fluorene	170	NA
				11H-Benzo[b]fluorene	240	NA
				1-Pentadecene	170	NA
				2-Dodecen-1-yl(-)succinic anhydride	280	NA
				2-Methylnaphthalene	32	NA
				2-Methylphenol	13	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	400	NA
				4,4,6a,6b,8a,11,11,14b-Octamethyl-1,4,4a,5,6,6a,	330	NA
				4H-Cyclopenta[def]phenanthrene	210	NA
				4-Methylphenol	42	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-11A (cont.)	R2-11	0	6	5H-3,5a-Epoxynaphth[2,1-c]oxepin, dodecahydro-3,	300	NA
				7H-Benz[de]anthracen-7-one	150	NA
				9,10-Anthracenedione	440	NA
				9,10-Dimethylanthracene	170	NA
				9H-Fluorene, 1-methyl-	170	NA
				Acenaphthene	48	140
				Acenaphthylene	31	NA
				Acetophenone	260	NA
				Anthracene	120	107
				Anthracene, 1,4-dimethyl-	520	NA
				Anthracene, 2-methyl-	320	NA
				Anthracene, 9-methyl-	220	NA
				Benzaldehyde	56	NA
				Benzo(a)anthracene	830	12
				Benzo(a)pyrene	650	1.3
				Benzo(b)fluoranthene	1100	NA
				Benzo(g,h,i)perylene	700	NA
				Benzo(k)fluoranthene	310	NA
				Benzo[j]fluoranthene	*280*	NA
				Benzo[j]fluoranthene	*600*	NA
				Benzoic acid, 2,4-dimethoxy-6-methyl-, methyl es	170	NA
				Bis(2-ethylhexyl)phthalate	440	199.5
				Butylbenzylphthalate	42	NA
				Carbazole	73	NA
				Chrysene	820	NA
				Dibenzo(a,h)anthracene	150	NA
				Dibenzofuran	29	NA
				Dibenzothiophene, 3-methyl-	320	NA
				Diethylphthalate	16	NA
				Di-n-butylphthalate	260	NA
				Fluoranthene	1600	1020
				Fluorene	67	NA
				Hexadecanoic acid, 2-hydroxy-, methyl ester	170	NA
				Indeno(1,2,3-cd)pyrene	730	NA
				Naphthacene	160	NA
				Naphthalene	43	30
				Octadecanoic acid, ethenyl ester	360	NA
				o-Terphenyl	280	NA
				Phenanthrene	680	NA
				Phenanthrene, 2-methyl-	210	NA
				Phenol	40	0.5
				Phenol, 2-methyl-4-(1,1,3,3-tetramethylbutyl)-	190	NA
				Pyrene	1400	961
				Pyrene, 1-methyl-	310	NA
				Sulfur	200	NA
				Total Alkanes	2800	NA
				Unknown oxyhydrocarbon	230	NA
				Unsaturated Hydrocarbon	190	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-11B	R2-11	6	12	1,1'-Biphenyl	18	NA
				1,4-Benzenediol, 2-[(1,4,4a,5,6,7,8,8a-octahydro	3200	NA
				17-Pentatriacontene	1200	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	3500	NA
				1H-Benzocyclohepten-7-ol, 2,3,4,4a,5,6,7,8-octah	2100	NA
				1H-Indene, 5-butyl-6-hexyloctahydro-	2000	NA
				1-Nonadecene	1300	NA
				2,11-Dioxabicyclo[4.4.1]undeca-3,5-dien-10-one,	890	NA
				2,3,4-Trimethoxybenzyl alcohol	940	NA
				2-Dodecen-1-yl(-)succinic anhydride	*1200*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*5200*	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorop	1100	NA
				2-Methylidenehydrazono-3-methyl-2,3-dihydrobenzo	810	NA
				2-Methylnaphthalene	100	NA
				2-Methylphenol	99	NA
				3-Methyl-1-(phenylthio)butan-2-one	2400	NA
				4-Methyl-E-9-octadecene	760	NA
				4-Methylphenol	200	NA
				5H-Dibenzo[a,d]cyclohepten-5-ol, 10,11-dihydro-	1900	NA
				9-Tricosene, (Z)-	840	NA
				Acenaphthene	86	140
				Acenaphthylene	69	NA
				Acetophenone	350	NA
				Anthracene	180	107
				Anthracene, 9-butyltetradecahydro-	1000	NA
				Benzaldehyde	120	NA
				Benzo(a)anthracene	1200	12
				Benzo(a)pyrene	980	1.3
				Benzo(b)fluoranthene	1400	NA
				Benzo(g,h,i)perylene	850	NA
				Benzo(k)fluoranthene	470	NA
				Benzo[e]pyrene	1400	NA
				Bicyclo[3.1.1]heptan-2-one, 3,6,6-trimethyl-	1100	NA
				Bis(2-ethylhexyl)phthalate	1700	199.5
				Carbazole	83	NA
				Chrysene	1300	NA
				Cyclohexanone, 2,2-dimethyl-5-(3-methyloxiranyl)	950	NA
				Dibenzo(a,h)anthracene	210	NA
				Dibenzo[def,mno]chrysene	830	NA
				Dibenzofuran	66	NA
				E-9-Methyl-8-tridecen-2-ol, acetate	2600	NA
				Fluoranthene	1700	1020
				Fluorene	190	NA
				Indeno(1,2,3-cd)pyrene	930	NA
				Naphthalene	110	30
				Naphtho[2,3-b]norbornadiene	1000	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-11B (cont.)	R2-11	6	12	Phenanthrene	1200	NA
				Phenanthrene, 3,6-dimethyl-	1600	NA
				Phenol	180	0.5
				Polycyclic hydrocarbon	*760*	NA
				Polycyclic hydrocarbon	*880*	NA
				Pyrene	2100	961
				Total Alkanes	17000	NA
				Unknown oxyhydrocarbon	*1900*	NA
				Unknown oxyhydrocarbon	*2900*	NA
				Unknown oxyhydrocarbon	*3000*	NA
R2-11C	R2-11	18	24	(-)-Neoclovene-(II), dihydro-	10000	NA
				(3,7-Dimethyl-octa-2,6-dienyl)-benzene	5000	NA
				1,2-Oxaborole, 2,3,4-triethyl-2,5-dihydro-5,5-di	11000	NA
				10-Methyl-8-tetradecen-1-ol acetate	11000	NA
				1H-Indene, 5-butyl-6-hexyloctahydro-	5700	NA
				2,6-Dimethyl-7.alpha.-propylbicyclo[4.3.0]non-1-	7700	NA
				2-Cyclohexene-1-carboxaldehyde, 2,6,6-trimethyl-	7200	NA
				2-Dodecen-1-yl(-)succinic anhydride	*5800*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*13000*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*16000*	NA
				2-Methylidenehydrazono-3-methyl-2,3-dihydrobenzo	5300	NA
				2-Methylnaphthalene	230	NA
				2-Methylphenol	290	NA
				3-Heptadecene, (Z)-	11000	NA
				3-Methyl-1-(phenylthio)butan-2-one	*16000*	NA
				3-Methyl-1-(phenylthio)butan-2-one	*17000*	NA
				4-Methylphenol	420	NA
				9H-Fluorene, 2,3-dimethyl-	*6600*	NA
				9H-Fluorene, 2,3-dimethyl-	*7000*	NA
				Acridine, 9-methyl-	5100	NA
				Adamantylidenefulvene	7200	NA
				Anthracene	500	107
				Benzene, 1,4-dimethyl-2-(1-methylethyl)	4700	NA
				Benzo(a)anthracene	1700	12
				Benzo(a)pyrene	1700	1.3
				Benzo(b)fluoranthene	2300	NA
				Benzo(g,h,i)perylene	1500	NA
				Benzo(k)fluoranthene	790	NA
				Bis(2-ethylhexyl)phthalate	12000	199.5
				Chrysene	2300	NA
				Dibenzo(a,h)anthracene	430	NA
				Dibenzofuran	220	NA
				Ether, 3-hydroxy-2-butyl 1-(p-tolyl)ethyl	6800	NA
				Ethyl 4-(trifluoromethyl)benzoate	6500	NA
				Fluoranthene	4500	1020
				Fluorene	310	NA
				Indeno(1,2,3-cd)pyrene	1500	NA
				Naphthalene	260	30
				Perylene	11000	NA
				Phenanthrene	1200	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-11C (cont.)	R2-11	18	24	Phenol	840	0.5
				Polycyclic hydrocarbon	*4600*	NA
				Polycyclic hydrocarbon	*7400*	NA
				Polycyclic hydrocarbon	*7400*	NA
				Polycyclic hydrocarbon	*9600*	NA
				Polycyclic hydrocarbon	*17000*	NA
				Pyrene	3400	961
				Silane, dimethyldi(2,4-cyclopentadien-1-yl)-	9700	NA
				Total Alkanes	53000	NA
				Z-8-Methyl-9-tetradecen-1-ol acetate	10000	NA
R2-12A	R2-12	0	6	1(4H)-Naphthalenone, 4a,5,8,8a-tetrahydro-4-hydr	6000	NA
				1,1':2',1"-Terphenyl, 2,5-dichloro-	13000	NA
				1,1'-Biphenyl	180	NA
				11H-Benzo[a]fluorene	8600	NA
				1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	12000	NA
				1-Hexadecanol, 3,7,11,15-tetramethyl-	6100	NA
				2,4-Dimethylphenol	150	NA
				2-Dodecen-1-yl(-)succinic anhydride	6700	NA
				2-Methylnaphthalene	620	NA
				2-Naphthalenol, 6,7-epoxy-5,6,7,8-tetrahydro-5-i	6000	NA
				2-Phenyl-3-amino-4,7-dimethyl-4,5(3H)dihydroimid	3900	NA
				4H-Cyclopenta[def]phenanthrene	6100	NA
				4-Methylphenol	350	NA
				5-Methyl-2,6-diphenyl-5,6-dihydro-4H-1,3-oxazine	6800	NA
				7-Ketooctanoic acid oxime, bis(trimethylsilyl)	4500	NA
				9,10-di(Chloromethyl)anthracene	11000	NA
				Acenaphthene	1700	140
				Acenaphthylene	220	NA
				Anthracene	3000	107
				Anthracene, 1-methyl-	6400	NA
				Azulene, 7-ethyl-1,4-dimethyl-	4800	NA
				Benzenamine, 3-chloro-N-(2-pyridinylmethylene)-	5900	NA
				Benzo(a)anthracene	11000	12
				Benzo(a)pyrene	9200	1.3
				Benzo(b)fluoranthene	15000	NA
				Benzo(g,h,i)perylene	6800	NA
				Benzo(k)fluoranthene	3700	NA
				Benzo[b]naphtho[2,3-d]furan	4200	NA
				Bis(2-ethylhexyl)phthalate	4900	199.5
				Carbazole	2100	NA
				Chrysene	13000	NA
				Dibenzo(a,h)anthracene	4100	NA
				Dibenzofuran	1100	NA
				Famophos	4300	NA
				Fluoranthene	25000	1020
				Fluorene	1800	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-12A (cont.)	R2-12	0	6	Indeno(1,2,3-cd)pyrene	7400	NA
				Naphthalene	1200	30
				Naphthalene, 1,6-dimethyl-4-(1-methylethyl)-	5400	NA
				Phenanthrene	18000	NA
				Phenanthrene, 1-methyl-	6200	NA
				Phenanthrene, 2,5-dimethyl-	10000	NA
				Phenol	280	0.5
				Polycyclic hydrocarbon	*4700*	NA
				Polycyclic hydrocarbon	*5200*	NA
				Polycyclic hydrocarbon	*8000*	NA
				Polycyclic hydrocarbon	*8400*	NA
				Polycyclic hydrocarbon	*9500*	NA
				Polycyclic hydrocarbon	*12000*	NA
				Propyphenazone	*6100*	NA
				Pyrene	22000	961
				Silane, dimethyldi(2,4-cyclopentadien-1-yl)-	4100	NA
				Total Alkanes	42000	NA
				Unsaturated Hydrocarbon	12000	NA
				Z-8-Methyl-9-tetradecen-1-ol formate	3800	NA
R2-12B	R2-12	6	12	1,10-Phenanthroline, 2,9-dimethyl-	6100	NA
				1,1'-Biphenyl	960	NA
				1,1'-Biphenyl, 2-methyl-	4900	NA
				10-Heneicosene (c,t)	7200	NA
				11H-Benzo[b]fluorene	*11000*	NA
				11H-Benzo[b]fluorene	*18000*	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	8200	NA
				1-Methoxy-6H-indolo[3,2,1-de][1,5]naphthyridin-6	6800	NA
				1-Phenyl-3-(4-fluorophenyl)-2-	4500	NA
				1-Phenyl-3,6-diazahomoadamantan-9-one hydrazone	10000	NA
				2,4-Dimethylphenol	350	NA
				2,5-Heptadien-4-one, 2,6-dimethyl-	9200	NA
				2-[p-Cyanophenyl]-5-chlorobenzimidazole	10000	NA
				2H-Phenanthro[9,10-b]pyran	10000	NA
				2-Methylnaphthalene	2800	NA
				2-Methylphenol	280	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	6500	NA
				3-Butyl-4-phenyl-hept-1-en-5-yn-4-ol	4400	NA
				4H-Cyclopenta[def]phenanthrene	5300	NA
				4H-Dibenz[a,kl]anthracene, 5,6-dihydro-	4400	NA
				4-Methylphenol	610	NA
				5-(1-Isopropenyl-4,5-dimethylbicyclo[4.3.0]nonan	4800	NA
				5,6,7,7-Tetramethyl-octa-3,5-dien-2-one	7400	NA
				5,6-Dimethyl-4-phenyl-3-cyanopyridine-2(1H)-thio	8500	NA
				7-(6-Methylpyridin-2-yl)-hept-6-en-1-ol	4400	NA
				9-Anthracenecarbonitrile	9500	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-12B (cont.)	R2-12	6	12	Acenaphthene	11000	140
				Acenaphthylene	310	NA
				Acetophenone	7300	NA
				Anthracene	22000	107
				Benz[j]aceanthrylene, 3-methyl-	11000	NA
				Benzo(a)anthracene	42000	12
				Benzo(a)pyrene	32000	1.3
				Benzo(b)fluoranthene	40000	NA
				Benzo(g,h,i)perylene	22000	NA
				Benzo(k)fluoranthene	18000	NA
				Benzo[a]pyrene, 4,5-dihydro-	4700	NA
				Benzo[b]naphtho[2,3-d]furan	5500	NA
				Benzo[b]triphenylene	13000	NA
				Benzo[e]pyrene	5600	NA
				Benzo[ghi]fluoranthene	5300	NA
				Bicyclo[4.3.0]nonane, 2,2,6,7-tetramethyl-7-hydr	4900	NA
				Bis(2-ethylhexyl)phthalate	7300	199.5
				Carbazole	13000	NA
				Chrysene	38000	NA
				Chrysene, 4-methyl-	11000	NA
				Coumarin-6-ol, 3,4-dihydro-4,4,5,7-tetramethyl-	6600	NA
				Cyclohexanone, 2,6-bis(2-methylpropylidene)-	6200	NA
				Cyclopent[a]indene, 3,8-dihydro-1,2,3,3,8,8-hexa	6800	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	5500	NA
				Dibenzo(a,h)anthracene	7300	NA
				Dibenzo[def,mno]chrysene	6600	NA
				Dibenzofuran	6400	NA
				Dibenzothiophene	4800	NA
				Ethanone, 1-[3-[2-methyl-2-(5-methyl-2-furanyl)p	7000	NA
				Fluoranthene	98000	1020
				Fluorene	11000	NA
				Hexadecane-1,2-diol	5100	NA
				Indeno(1,2,3-cd)pyrene	23000	NA
				Naphthalene	8600	30
				Perylene	17000	NA
				Phenanthrene	97000	NA
				Phenol	390	0.5
				Polycyclic hydrocarbon	*7300*	NA
				Polycyclic hydrocarbon	*9200*	NA
				Polycyclic hydrocarbon	*18000*	NA
				Pyrene	71000	961
				Pyrene, 1,3-dimethyl-	12000	NA
				Pyrene, 2-methyl-	10000	NA
				Pyrrole-2-carboxaldehyde, 5-[(3,4-dimethylpyrrol	6800	NA
				Squalene	17000	NA
				Total Alkanes	41000	NA
				Unknown aromatic	6000	NA
				Unknown oxyhydrocarbon	4800	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-12C	R2-12	18	24	[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih	3900	NA
				1,1'-Biphenyl	90	NA
				1a,9b-Dihydro-1H-cyclopropa[a]anthracene	16000	NA
				2-[4-Cyclohexylbenzoyl]acrylic acid	3700	NA
				2-Amino-2-oxoacetic acid, N-[(2-hydroxy-4,5-dime	3600	NA
				2-Butanone, 4-(2,6,6-trimethyl-2-cyclohexen-1-yl	9400	NA
				2-Methylnaphthalene	260	NA
				2-Methylphenol	130	NA
				2-Methyl-Z-7,8-epoxynonadecane	5200	NA
				2-Naphthalenol, 6,7-epoxy-5,6,7,8-tetrahydro-5-i	6000	NA
				3-Buten-2-one, 3-methyl-4-(1,3,3-trimethyl-7-oxa	11000	NA
				4-Methylphenol	290	NA
				5-(1-Isopropenyl-4,5-dimethylbicyclo[4.3.0]nonan	3900	NA
				Acenaphthene	630	140
				Acenaphthylene	110	NA
				Acetophenone	3000	NA
				Anthracene	1400	107
				Benzaldehyde	210	NA
				Benzo(a)anthracene	4300	12
				Benzo(a)pyrene	3300	1.3
				Benzo(b)fluoranthene	4400	NA
				Benzo(g,h,i)perylene	2700	NA
				Benzo(k)fluoranthene	1900	NA
				Bis(2-ethylhexyl)phthalate	4800	199.5
				Carbazole	1000	NA
				Chrysene	3900	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*4200*	NA
				Decahydro-4,4,8,9,10-pentamethylnaphthalene	*4400*	NA
				Dibenzo(a,h)anthracene	3000	NA
				Dibenzofuran	410	NA
				Fluoranthene	10000	1020
				Fluorene	670	NA
				Indeno(1,2,3-cd)pyrene	3100	NA
				Methyl (12R,s)-12-acetoxy-8-hydroxy-labdan-15-oa	6400	NA
				Naphthalene	380	30
				Phenanthrene	6500	NA
				Phenanthrene, 2,5-dimethyl-	6200	NA
				Phenanthrene, 9,10-dihydro-1-methyl-	4300	NA
				Phenanthrene, 9-ethyl-	4000	NA
				Phenol	1300	0.5
				Polycyclic hydrocarbon	*3400*	NA
				Polycyclic hydrocarbon	*3600*	NA
				Polycyclic hydrocarbon	*3800*	NA
				Polycyclic hydrocarbon	*4300*	NA
				Polycyclic hydrocarbon	*4400*	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-12C (cont.)	R2-12	18	24	*Polycyclic hydrocarbon*	*4800*	NA
				Polycyclic hydrocarbon	*5600*	NA
				Polycyclic hydrocarbon	*6000*	NA
				Polycyclic hydrocarbon	*6600*	NA
				Polycyclic hydrocarbon	*7000*	NA
				Polycyclic hydrocarbon	*10000*	NA
				Pyrene	7800	961
				Silane, dimethyldi(2,4-cyclopentadien-1-yl)-	5700	NA
				Total Alkanes	36000	NA
				Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8,10,12,13,	4300	NA
				Trispiro[4.2.4.2.4.2.]heneicosane	6400	NA
R2-13A	R2-13	0	6	1,1'-Biphenyl	300	NA
				11H-Benzo[b]fluorene	*3600*	NA
				11H-Benzo[b]fluorene	*4000*	NA
				2-Methylnaphthalene	830	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	4700	NA
				4H-Cyclopenta[def]phenanthrene	11000	NA
				9,10-Anthracenedione	8800	NA
				Acenaphthene	3700	140
				Acenaphthylene	270	NA
				Anthracene	10000	107
				Anthracene, 1-methyl-	7800	NA
				Anthracene, 2-methyl-	5600	NA
				Benzo(a)anthracene	27000	12
				Benzo(a)pyrene	21000	1.3
				Benzo(b)fluoranthene	29000	NA
				Benzo(g,h,i)perylene	13000	NA
				Benzo(k)fluoranthene	12000	NA
				Benzo[e]pyrene	13000	NA
				Bis(2-ethylhexyl)phthalate	8400	199.5
				Carbazole	6600	NA
				Chrysene	28000	NA
				Copaene	5800	NA
				Cyclopenta(def)phenanthrenone	3600	NA
				D:C-Friedooleanan-3-one	17000	NA
				Dibenzo(a,h)anthracene	8400	NA
				Dibenzofuran	3200	NA
				Fluoranthene	60000	1020
				Fluorene	5600	NA
				Indeno(1,2,3-cd)pyrene	15000	NA
				Naphthalene	1400	30
				Pentachlorophenol	300	NA
				Perylene	4900	NA
				Phenanthrene	60000	NA
				Phenanthrene, 4-methyl-	3500	NA
				Pyrene	59000	961
				Pyrene, 1-methyl-	*4200*	NA
				Pyrene, 1-methyl-	*6300*	NA
				Total Alkanes	5800	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-13B	R2-13	6	12	1-Octene, 3,7-dimethyl-	770	NA
				2-Phenylnaphthalene	140	NA
				2-Propanone, 1,1-dichloro-	130	NA
				4-Methylphenol	12	NA
				Acenaphthene	30	140
				Acenaphthylene	12	NA
				Acetophenone	310	NA
				Anthracene	63	107
				Benzaldehyde	54	NA
				Benzo(a)anthracene	340	12
				Benzo(a)pyrene	310	1.3
				Benzo(b)fluoranthene	420	NA
				Benzo(g,h,i)perylene	270	NA
				Benzo(k)fluoranthene	180	NA
				Benzo[e]pyrene	190	NA
				Bis(2-ethylhexyl)phthalate	310	199.5
				Butylbenzylphthalate	15	NA
				Carbazole	39	NA
				Chlorinated aromatic	220	NA
				Chloroxylenol	150	NA
				Chrysene	360	NA
				D-Friedoolean-14-en-3-one	360	NA
				Dibenzo(a,h)anthracene	310	NA
				Dibenzo[def,mno]chrysene	150	NA
				Dibenzofuran	12	NA
				Di-n-butylphthalate	310	NA
				Fluoranthene	660	1020
				Fluorene	28	NA
				Indeno(1,2,3-cd)pyrene	300	NA
				Naphthalene	20	30
				Perylene	200	NA
				Phenanthrene	350	NA
				Phenol	22	0.5
				Polycyclic hydrocarbon	*160*	NA
				Polycyclic hydrocarbon	*250*	NA
				Polycyclic hydrocarbon	*260*	NA
				Polycyclic hydrocarbon	*300*	NA
				Pyrene	720	961
				Pyrene, 1-methyl-	170	NA
				Pyrene, 1-phenyl-	140	NA
				Total Alkanes	3500	NA
R2-13C	R2-13	18	24	1,1'-Biphenyl, 2,3',4',6-tetrachloro-	340	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	160	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	210	NA
				1,1'-Biphenyl, 4,4'-dichloro-	160	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorop	130	NA
				2-Methylnaphthalene	11	NA
				3-Butyl-4-phenyl-hept-1-en-5-yn-4-ol	310	NA
				4,4-Dimethoxy-2,5-cyclohexadien-1-one	120	NA
				4H-Cyclopenta[def]phenanthrene	130	NA
				4-Methylphenol	18	NA
				4-O-Methoxyphenylhydrazono-3-methyl-2-pyrazolin-	230	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-13C (cont.)	R2-13	18	24	*5-(7a-Isopropenyl-4,5-dimethyl-octahydroinden-4-*	*130*	NA
				5-(7a-Isopropenyl-4,5-dimethyl-octahydroinden-4-	*350*	NA
				9,10-Dimethylanthracene	140	NA
				Acenaphthene	17	140
				Acenaphthylene	23	NA
				Acetophenone	250	NA
				Acridine, 9-methyl-	120	NA
				Anthracene	46	107
				Anthracene, 1-methyl-	120	NA
				Benzaldehyde	59	NA
				Benzene, 1-methyl-2-(2-phenylethenyl)-	130	NA
				Benzo(a)anthracene	250	12
				Benzo(a)pyrene	210	1.3
				Benzo(b)fluoranthene	260	NA
				Benzo(g,h,i)perylene	210	NA
				Benzo(k)fluoranthene	120	NA
				Bis(2-ethylhexyl)phthalate	250	199.5
				Carbazole	25	NA
				Chlorinated aromatic	280	NA
				Chloroxylenol	150	NA
				Chrysene	270	NA
				Dibenzo(a,h)anthracene	250	NA
				Fluoranthene	580	1020
				Fluorene	20	NA
				Indeno(1,2,3-cd)pyrene	200	NA
				Naphthalene	20	30
				Perylene	*130*	NA
				Perylene	*140*	NA
				Phenanthrene	200	NA
				Phenol	280	0.5
				Polycyclic hydrocarbon	*120*	NA
				Polycyclic hydrocarbon	*120*	NA
				Polycyclic hydrocarbon	*130*	NA
				Polycyclic hydrocarbon	*140*	NA
				Polycyclic hydrocarbon	*180*	NA
				Polycyclic hydrocarbon	*190*	NA
				Polycyclic hydrocarbon	*200*	NA
				Polycyclic hydrocarbon	*230*	NA
				Polycyclic hydrocarbon	*240*	NA
				Pyrene	460	961
				Total Alkanes	2500	NA
				Unknown oxyhydrocarbon	270	NA
				Unsaturated Hydrocarbon	700	NA
R2-14A	R2-14	0	6	1,1'-Biphenyl	67	NA
				11H-Benzo[a]fluorene	930	NA
				1-Phosphacyclopent-2-ene, 1,5-diphenyl-2,3-dimet	710	NA
				2-Methylnaphthalene	260	NA
				2-Oxo-6-phenyl-4-(2-hydroxyphenyl)-1,2-dihydropy	750	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	690	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-14A (cont.)	R2-14	0	6	3-Undecene, 9-methyl-, (Z)-	1300	NA
				4H-Cyclopenta[def]phenanthrene	1200	NA
				4-Methylphenol	60	NA
				9,10-Anthracenedione	1700	NA
				Acenaphthene	560	140
				Acenaphthylene	62	NA
				Acetophenone	1600	NA
				Anthracene	870	107
				Anthracene, 2-methyl-	710	NA
				Benzaldehyde	140	NA
				Benzo(a)anthracene	2900	12
				Benzo(a)pyrene	2500	1.3
				Benzo(b)fluoranthene	3600	NA
				Benzo(g,h,i)perylene	1800	NA
				Benzo(k)fluoranthene	1400	NA
				Bis(2-ethylhexyl)phthalate	1600	199.5
				Carbazole	710	NA
				Chlorinated aromatic	1000	NA
				Chrysene	3000	NA
				Cyclopenta(def)phenanthrenone	760	NA
				Dibenzo(a,h)anthracene	1600	NA
				Dibenzofuran	450	NA
				Fluoranthene	5300	1020
				Fluorene	480	NA
				Indeno(1,2,3-cd)pyrene	2000	NA
				Indeno[1,2,3-cd]fluoranthene	750	NA
				Naphthalene	750	30
				Perylene	1800	NA
				Phenanthrene	5400	NA
				Phenanthrene, 1-methyl-	1100	NA
				Phenanthrene, 2,5-dimethyl-	1000	NA
				Phenanthrene, 4-methyl-	780	NA
				Phenol	82	0.5
				Polycyclic hydrocarbon	*780*	NA
				Polycyclic hydrocarbon	*1300*	NA
				Pyrene	5900	961
				Total Alkanes	6000	NA
R2-14B	R2-14	6	12	1,1'-Biphenyl, trichloro-	260	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorop	550	NA
				2-Methylnaphthalene	35	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	320	NA
				4-Methylphenol	28	NA
				9H-Fluorene, 1-methyl-	370	NA
				9H-Fluorene, 2,3-dimethyl-	470	NA
				Acenaphthene	34	140
				Acenaphthylene	24	NA
				Acetophenone	320	NA
				Anthracene	71	107
				Anthracene, 1-methyl-	*330*	NA
				Anthracene, 1-methyl-	*430*	NA
				Benzaldehyde	130	NA
				Benzo(a)anthracene	360	12

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-14B (cont.)	R2-14	6	12	Benzo(a)pyrene	340	1.3
				Benzo(b)fluoranthene	490	NA
				Benzo(g,h,i)perylene	300	NA
				Benzo(k)fluoranthene	150	NA
				Bis(2-ethylhexyl)phthalate	400	199.5
				Carbazole	40	NA
				Chlorinated aromatic	350	NA
				Chrysene	470	NA
				Chrysene, 1-methyl-	360	NA
				Dibenzo(a,h)anthracene	320	NA
				Dibenzofuran	25	NA
				Di-n-butylphthalate	320	NA
				Equilenin	490	NA
				Ethanethioic acid, S-methyl ester	280	NA
				Fluoranthene	790	1020
				Fluoranthene, 2-methyl-	460	NA
				Fluorene	50	NA
				Indeno(1,2,3-cd)pyrene	310	NA
				Naphthalene	27	30
				Phenanthrene	440	NA
				Phenanthrene, 1-methyl-	300	NA
				Phenanthrene, 3,6-dimethyl-	*260*	NA
				Phenanthrene, 3,6-dimethyl-	*310*	NA
				Phenol	51	0.5
				Polycyclic hydrocarbon	*260*	NA
				Polycyclic hydrocarbon	*290*	NA
				Polycyclic hydrocarbon	*300*	NA
				Polycyclic hydrocarbon	*420*	NA
				Polycyclic hydrocarbon	*480*	NA
				Polycyclic hydrocarbon	*540*	NA
				Polycyclic hydrocarbon	*550*	NA
				Polycyclic hydrocarbon	*830*	NA
				Pyrene	820	961
				Total Alkanes	11000	NA
				Unsaturated Hydrocarbon	930	NA
R2-14C	R2-14	18	24	1,1'-Biphenyl, 2,2',3,4-tetrachloro-	230	NA
				1,1'-Biphenyl, 2,2',4,4',6-Pentachloro-	150	NA
				1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	200	NA
				1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	240	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	440	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	320	NA
				1,1'-Biphenyl, 3,3',5,5'-tetrachloro-	190	NA
				1,1'-Biphenyl, trichloro-	450	NA
				2-(3,3-Dimethyl-oxiran-2-yl)-5-ethoxy-pyridin-1-	210	NA
				2-Heptadecanone	370	NA
				3,4-Dichlorophenylsuccinic acid	160	NA
				3-Methyl-1-(phenylthio)butan-2-one	240	NA
				4-Methylphenol	28	NA
				5H-3,5a-Epoxynaphth[2,1-c]oxepin, dodecahydro-3,	250	NA
				9,10-Dimethylanthracene	260	NA
				9-Hexacosene	520	NA
				Acenaphthene	17	140

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-14C (cont.)	R2-14	18	24	Acenaphthylene	15	NA
				Acetophenone	310	NA
				Anthracene	32	107
				Anthracene, 9-cyclohexyltetradecahydro-	160	NA
				Benzaldehyde	80	NA
				Benzo(a)anthracene	190	12
				Benzo(a)pyrene	310	1.3
				Benzo(b)fluoranthene	310	NA
				Benzo(g,h,i)perylene	310	NA
				Benzo(k)fluoranthene	310	NA
				Bis(2-ethylhexyl)phthalate	310	199.5
				Butylbenzylphthalate	23	NA
				Carbazole	20	NA
				Chloroxylenol	210	NA
				Chrysene	200	NA
				Dibenzo(a,h)anthracene	310	NA
				Di-n-butylphthalate	310	NA
				Ethanone, 1-[2-methyl-5-(1-methylethenyl)cyclope	160	NA
				Fluoranthene	450	1020
				Fluorene	12	NA
				Indeno(1,2,3-cd)pyrene	310	NA
				Naphthalene	18	30
				Octanoic acid, hexadecyl ester	220	NA
				Phenanthrene	110	NA
				Phenol	790	0.5
				Polycyclic hydrocarbon	*140*	NA
				Polycyclic hydrocarbon	*160*	NA
				Polycyclic hydrocarbon	*160*	NA
				Polycyclic hydrocarbon	*240*	NA
				Pyrene	400	961
				Spiro[2,4,5,6,7,7a-hexahydro-2-oxo-4,4,7a-trimet	150	NA
				Spiro[4.5]decan-7-one, 1,8-dimethyl-8,9-epoxy-4-	200	NA
				Squalene	250	NA
				Total Alkanes	3300	NA
				Unknown aromatic	150	NA
				Unknown oxyhydrocarbon	*200*	NA
				Unknown oxyhydrocarbon	*210*	NA
				Unsaturated Hydrocarbon	460	NA
R2-15A	R2-15	0	6	3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	460	NA
				4H-Cyclopenta[def]phenanthrene	510	NA
				9,10-Anthracenedione	730	NA
				Acenaphthene	170	140
				Acetophenone	1100	NA
				Anthracene	590	107
				Benzaldehyde	59	NA
				Benzo(a)anthracene	2000	12
				Benzo(a)pyrene	1500	1.3
				Benzo(b)fluoranthene	2300	NA
				Benzo(g,h,i)perylene	1400	NA
				Benzo(k)fluoranthene	1100	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-15A (cont.)	R2-15	0	6	Benzo[e]pyrene	1100	NA
				Bis(2-ethylhexyl)phthalate	1100	199.5
				Carbazole	240	NA
				Chrysene	1700	NA
				Dibenzo(a,h)anthracene	1100	NA
				Dibenzofuran	94	NA
				Fluoranthene	4100	1020
				Fluorene	200	NA
				Indeno(1,2,3-cd)pyrene	1500	NA
				Naphthalene	45	30
				Phenanthrene	2500	NA
				Pyrene	4100	961
				Total Alkanes	1400	NA
				Unsaturated Hydrocarbon	510	NA
R2-15B	R2-15	6	12	1,2-Benzenedicarboxylic acid, bis(2-methylpropyl	870	NA
				2-Methylnaphthalene	160	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	550	NA
				4H-Cyclopenta[def]phenanthrene	1500	NA
				4-Methylphenol	38	NA
				5H-Dibenzo[a,d]cycloheptene, 5-methylene-	550	NA
				9,10-di(Chloromethyl)anthracene	1100	NA
				Acenaphthene	470	140
				Acenaphthylene	110	NA
				Acetophenone	1200	NA
				Anthracene	1000	107
				Anthracene, 2-methyl-	750	NA
				Benzaldehyde	100	NA
				Benzo(a)anthracene	3300	12
				Benzo(a)pyrene	2600	1.3
				Benzo(b)fluoranthene	4200	NA
				Benzo(g,h,i)perylene	2200	NA
				Benzo(k)fluoranthene	1200	NA
				Benzo[b]naphtho[2,1-d]thiophene	520	NA
				Benzo[e]pyrene	1200	NA
				Bis(2-ethylhexyl)phthalate	1100	199.5
				Carbazole	580	NA
				Chrysene	3500	NA
				Dibenzo(a,h)anthracene	1200	NA
				Dibenzofuran	400	NA
				Dibenzothiophene	490	NA
				Fluoranthene	7400	1020
				Fluorene	680	NA
				Indeno(1,2,3-cd)pyrene	2600	NA
				Indeno[1,2,3-cd]fluoranthene	*660*	NA
				Indeno[1,2,3-cd]fluoranthene	*750*	NA
				Naphthalene	350	30
				Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-1,8a-dim	820	NA
				Perylene	1500	NA
				Phenanthrene	5700	NA
				Phenanthrene, 2-methyl-	1000	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-15B (cont.)	R2-15	6	12	Phenanthrene, 3-methyl-	600	NA
				Phenanthro[3,2-b]furan-7,11-dione, 1,2,3,4,8,9-h	500	NA
				Phenol	120	0.5
				PNA, MW = 264	590	NA
				Polycyclic hydrocarbon	900	NA
				Pyrene	6700	961
				Pyrene, 1-methyl-	760	NA
				Total Alkanes	1800	NA
				Unsaturated Hydrocarbon	800	NA
R2-15C	R2-15	18	24	1,19-Eicosadiene	96	NA
				1,1'-Biphenyl, 2,3,5,6-tetrachloro-	230	NA
				1,1'-Biphenyl, 2,4,4',6-tetrachloro-	120	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	220	NA
				1,1'-Biphenyl, trichloro-	120	NA
				1,3,5-tris(cyclohexyl)pent-1-ene	170	NA
				11H-Benzo[b]fluorene	*92*	NA
				11H-Benzo[b]fluorene	*190*	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	170	NA
				1-Mercapto-2-heptadecanone	170	NA
				2-Methylnaphthalene	19	NA
				2-Thiazolemethanol, .alpha.-phenyl-	200	NA
				4-Acetylphenoxyacetic acid	180	NA
				4H-Cyclopenta[def]phenanthrene	350	NA
				4-Methylphenol	20	NA
				9-[1,3]Dithian-2-ylidene-nonanal	100	NA
				9-Phenyl-5H-benzocycloheptene	200	NA
				Acenaphthene	49	140
				Acenaphthylene	13	NA
				Acetophenone	170	NA
				Anthracene	110	107
				Anthracene, 2-methyl-	*140*	NA
				Anthracene, 2-methyl-	*330*	NA
				Benzaldehyde	53	NA
				Benzo(a)anthracene	390	12
				Benzo(a)pyrene	360	1.3
				Benzo(b)fluoranthene	510	NA
				Benzo(g,h,i)perylene	320	NA
				Benzo(k)fluoranthene	170	NA
				Benzo[e]pyrene	130	NA
				Bis(2-ethylhexyl)phthalate	180	199.5
				Butylbenzylphthalate	30	NA
				Carbazole	74	NA
				Chloroxylenol	160	NA
				Chrysene	470	NA
				Dibenzo(a,h)anthracene	170	NA
				Dibenzo[b,E]-1,4-diazabicyclo[2.2.2]octadiene	180	NA
				Dibenzofuran	24	NA
				Diethylphthalate	8.5	NA
				Di-n-butylphthalate	170	NA
				Di-n-octylphthalate	12	NA
				Fluoranthene	1100	1020

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-15C (cont.)	R2-15	18	24	Fluoranthene, 2-methyl-	130	NA
				Fluorene	56	NA
				Indeno(1,2,3-cd)pyrene	320	NA
				Indeno[1,2,3-cd]fluoranthene	110	NA
				Naphthalene	20	30
				Perylene	170	NA
				Phenanthrene	640	NA
				Phenanthrene, 2,5-dimethyl-	230	NA
				Phenanthrene, 3,6-dimethyl-	180	NA
				Phenol	480	0.5
				Pyrene	880	961
				Total Alkanes	3700	NA
				Unknown aromatic	*110*	NA
				Unknown aromatic	*130*	NA
				Unsaturated Hydrocarbon	280	NA
R2-16A	R2-16	0	6	1,2-Benzenedicarboxylic acid, 2-butoxyethyl buty	470	NA
				11H-Benzo[b]fluorene	670	NA
				2-Methyl-3-phenylpyridine	1400	NA
				2-Methylnaphthalene	130	NA
				2-Phenylnaphthalene	1500	NA
				4-Amino-2-chloro-6,7-dimethoxyquinazoline	530	NA
				4H-Cyclopenta[def]phenanthrene	1200	NA
				Acenaphthene	370	140
				Acenaphthylene	62	NA
				Acetophenone	1200	NA
				Androstan-17-one, 3-hydroxy-, (3.beta.,5.beta.)-	500	NA
				Anthracene	870	107
				Anthracene, 2-methyl-	*550*	NA
				Anthracene, 2-methyl-	*720*	NA
				Anthracene, 2-methyl-	*810*	NA
				Anthracene, 9-phenyl-	570	NA
				Benzaldehyde	76	NA
				Benzo(a)anthracene	3500	12
				Benzo(a)pyrene	2500	1.3
				Benzo(b)fluoranthene	3400	NA
				Benzo(g,h,i)perylene	1500	NA
				Benzo(k)fluoranthene	1300	NA
				Benzo[e]pyrene	1700	NA
				Benzo[j]fluoranthene	590	NA
				Bis(2-ethylhexyl)phthalate	1200	199.5
				Carbazole	480	NA
				Chrysene	3400	NA
				Clorophene	470	NA
				Cyclopenta[cd]pyrene	630	NA
				Dibenzo(a,h)anthracene	1200	NA
				Dibenzofuran	290	NA
				Fluoranthene	7400	1020
				Fluorene	470	NA
				Indeno(1,2,3-cd)pyrene	2300	NA
				Indeno[1,2,3-cd]fluoranthene	660	NA
				Naphthalene	220	30

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-16A (cont.)	R2-16	0	6	Naphthalene, 1-phenyl-	600	NA
				Phenanthrene	5300	NA
				Phenanthrene, 2,5-dimethyl-	590	NA
				Pyrene	6100	961
				Pyrene, 2-methyl-	650	NA
				Total Alkanes	1800	NA
R2-16B	R2-16	6	12	1,1'-Biphenyl	2600	NA
				1,1'-Biphenyl, 2-methyl-	6200	NA
				11H-Benzo[a]carbazole	1500	NA
				11H-Benzo[b]fluorene	1700	NA
				13H-Dibenzo[a,h]fluorene	*4000*	NA
				13H-Dibenzo[a,h]fluorene	*5200*	NA
				1H-Indene, 1-phenyl-	7500	NA
				2,4-Dimethylphenol	1100	NA
				2-Methylnaphthalene	16000	NA
				2-Methylphenol	700	NA
				2-Propen-1-one, 1-(2-hydroxyphenyl)-3-(4-hydroxy	3100	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	*1400*	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	*2300*	NA
				3-Methylcholanthrene	5700	NA
				4H-Cyclopenta[def]phenanthrene	2100	NA
				4H-Dibenz[a,kl]anthracene, 5,6-dihydro-	4900	NA
				4-Methylphenol	2000	NA
				5,6-Dihydrochrysene	5000	NA
				8H-Indeno[2,1-b]phenanthrene	2900	NA
				9H-Fluorene, 2-methyl-	4900	NA
				9H-Fluorene, 9-(phenylmethylene)-	4100	NA
				Acenaphthene	13000	140
				Acenaphthylene	170	NA
				Acridine	3900	NA
				Anthracene	25000	107
				Benz[a]anthracene, 12-methyl-	2000	NA
				Benzo(a)anthracene	35000	12
				Benzo(a)pyrene	20000	1.3
				Benzo(b)fluoranthene	29000	NA
				Benzo(g,h,i)perylene	8400	NA
				Benzo(k)fluoranthene	25000	NA
				Benzo[b]triphenylene	*2700*	NA
				Benzo[b]triphenylene	*2800*	NA
				Benzo[c]phenanthrene, 5,8-dimethyl-	3100	NA
				Benzo[e]pyrene	*7100*	NA
				Benzo[e]pyrene	*13000*	NA
				Benzo[j]fluoranthene	4600	NA
				Benzonitrile, 3,5-di-t-butyl-4-methoxy-	2300	NA
				Bis(2-ethylhexyl)phthalate	1100	199.5
				Carbazole	12000	NA
				Chrysene	28000	NA
				Chrysene, 1-methyl-	1600	NA
				Chrysene, 3-methyl-	3300	NA
				Dibenzo(a,h)anthracene	4100	NA
				Dibenzo[def,mno]chrysene	8900	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-16B (cont.)	R2-16	6	12	Dibenzofuran	15000	NA
				Dibenzofuran, 4-methyl-	3500	NA
				Dibenzothiophene	5200	NA
				Diboron(.mu.-selenium)diethylbis[.mu.-(1H-pyrazo	3400	NA
				Di-n-octylphthalate	500	NA
				Fluoranthene	71000	1020
				Fluoranthene, 2-methyl-	*1700*	NA
				Fluoranthene, 2-methyl-	*2400*	NA
				Fluorene	22000	NA
				Indeno(1,2,3-cd)pyrene	15000	NA
				Naphthalene	53000	30
				Naphthalene, 1,5-dimethyl-	3200	NA
				Naphthalene, 1,7-dimethyl-	3900	NA
				Naphthalene, 1-methyl-	3400	NA
				Naphthalene, 2,3-dimethyl-	4000	NA
				Naphthalene, 2,7-dimethyl-	5000	NA
				Naphthalene, 2-phenyl-	10000	NA
				Perylene	6900	NA
				Phenanthrene	91000	NA
				Phenanthrene, 2,5-dimethyl-	6300	NA
				Phenol	1000	0.5
				Pyrene	52000	961
				Pyrene, 1-(methoxymethyl)-	3400	NA
				Pyrene, 1-methyl-	2000	NA
				Pyrene, 2-methyl-	5200	NA
				Unknown aromatic	3300	NA
R2-16C	R2-16	18	24	1,1'-Biphenyl, 2,2',3,4-tetrachloro-	590	NA
				11H-Benzo[a]carbazole	670	NA
				6H-Cyclobuta[jk]phenanthrene	590	NA
				Acenaphthene	190	140
				Acenaphthylene	43	NA
				Anthracene	650	107
				Anthracene, 9-methyl-	690	NA
				Benzaldehyde	100	NA
				Benzo(a)anthracene	1800	12
				Benzo(a)pyrene	1400	1.3
				Benzo(b)fluoranthene	2000	NA
				Benzo(g,h,i)perylene	1500	NA
				Benzo(k)fluoranthene	1300	NA
				Benzo[c]phenanthrene	1900	NA
				Benzo[e]pyrene	*700*	NA
				Benzo[e]pyrene	*1200*	NA
				Bis(2-ethylhexyl)phthalate	1300	199.5
				Carbazole	200	NA
				Chrysene	1900	NA
				Dibenzo(a,h)anthracene	1300	NA
				Dibenzo[b,f][1,4]diazocine	710	NA
				Dibenzofuran	81	NA
				Dibenzothiophene	840	NA
				Fluoranthene	5000	1020
				Fluorene	330	NA
				Indeno(1,2,3-cd)pyrene	1400	NA
				Naphthalene	55	30

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-16C (cont.)	R2-16	18	24	o-Terphenyl	790	NA
				Phenanthrene	2800	NA
				Phenanthrene, 2,5-dimethyl-	550	NA
				Phenol	1000	0.5
				Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-	740	NA
				Polycyclic hydrocarbon	560	NA
				Pyrene	4200	961
				Total Alkanes	1600	NA
				Tributyl phosphate	750	NA
				Unsaturated Hydrocarbon	580	NA
R2-17A	R2-17	0	6	3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	620	NA
				Acenaphthene	140	140
				Acetophenone	1500	NA
				Anthracene	620	107
				Benzaldehyde	67	NA
				Benzo(a)anthracene	1700	12
				Benzo(a)pyrene	1500	1.3
				Benzo(b)fluoranthene	2100	NA
				Benzo(g,h,i)perylene	1100	NA
				Benzo(k)fluoranthene	1500	NA
				Benzoic acid, 2-amino-4-nitro-	610	NA
				Bis(2-ethylhexyl)phthalate	1500	199.5
				Carbazole	180	NA
				Chrysene	1500	NA
				Dibenzo(a,h)anthracene	1500	NA
				Dibenzofuran	76	NA
				Fluoranthene	4200	1020
				Fluorene	240	NA
				Indeno(1,2,3-cd)pyrene	1500	NA
				Perylene	1200	NA
				Phenanthrene	2200	NA
				Pyrene	3000	961
				Total Alkanes	1900	NA
				Unsaturated Hydrocarbon	590	NA
R2-17B	R2-17	6	12	1,2-Benzenedicarboxylic acid, 2-butoxyethyl buty	180	NA
				11H-Benzo[a]fluorene	300	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	230	NA
				1H-Pyrazole, 3,5-bis(1,1-dimethylethyl)-4-methyl	190	NA
				2,3-Dioxabicyclo[2.2.2]oct-7-en-5-one, 1-(3-oxo-	230	NA
				2-Heptadecenal	430	NA
				2-Methylnaphthalene	26	NA
				2-Tetrafluoroethoxynitrobenzene	270	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	240	NA
				4H-Cyclopenta[def]phenanthrene	600	NA
				4-Methylphenol	37	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-17B (cont.)	R2-17	6	12	6-Methyl-5-oxo-12,13-dioxa-tricyclo[7.3.1.0(1,6)	280	NA
				7-Oxabicyclo[4.1.0]heptane, 1,5-dimethyl-	190	NA
				Acenaphthene	52	140
				Acenaphthylene	23	NA
				Acetophenone	290	NA
				Anthracene	95	107
				Anthracene, 9-methyl-	350	NA
				Benzaldehyde	61	NA
				Benzo(a)anthracene	460	12
				Benzo(a)pyrene	430	1.3
				Benzo(b)fluoranthene	630	NA
				Benzo(g,h,i)perylene	330	NA
				Benzo(k)fluoranthene	290	NA
				Benzo[b]naphtho[2,1-d]thiophene	270	NA
				Bis(2-ethylhexyl)phthalate	290	199.5
				Butylbenzylphthalate	16	NA
				Carbazole	55	NA
				Chloroxylenol	400	NA
				Chola-5,22-dien-3-ol, (3.beta.,22Z)-	250	NA
				Cholestane, 4,5-epoxy-, (4.alpha.,5.alpha.)-	220	NA
				Chrysene	600	NA
				Dibenzo(a,h)anthracene	290	NA
				Dibenzofuran	28	NA
				Diethylphthalate	9.9	NA
				Di-n-butylphthalate	290	NA
				Di-n-octylphthalate	10	NA
				Fluoranthene	1200	1020
				Fluorene	59	NA
				Indeno(1,2,3-cd)pyrene	420	NA
				Methyl 3-methoxy-4-methylbenzoate	210	NA
				Methyl 8-oxohexadecanoate	200	NA
				Naphthalene	31	30
				Perylene	370	NA
				Phenanthrene	600	NA
				Phenanthrene, 2,3-dimethyl-	330	NA
				Phenol	26	0.5
				Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-	240	NA
				Polycyclic hydrocarbon	220	NA
				Pyrene	1000	961
				Pyrene, 2-methyl-	*340*	NA
				Pyrene, 2-methyl-	*380*	NA
				Total Alkanes	3700	NA
				Triphenylene	410	NA
				Unknown aromatic	730	NA
				Unknown oxyhydrocarbon	*170*	NA
				Unknown oxyhydrocarbon	*200*	NA
				Unknown oxyhydrocarbon	*280*	NA
				Unsaturated Hydrocarbon	450	NA
R2-17C	R2-17	18	24	.alpha.-d-Lyxofuranosyl bromide, cyclic 2,3-(eth	110	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-17C (cont.)	R2-17	18	24	1,1'-Biphenyl, trichloro-	240	NA
				2,6,6-Trimethyl-9-undecen-1-ol	100	NA
				2-Methylnaphthalene	9.5	NA
				3-Decen-5-one	100	NA
				4H-Cyclopenta[def]phenanthrene	120	NA
				4-Methylphenol	21	NA
				9,10-di(Chloromethyl)anthracene	180	NA
				Acenaphthene	15	140
				Acenaphthylene	9.5	NA
				Acetophenone	260	NA
				Anthracene	30	107
				Benzaldehyde	64	NA
				Benzo(a)anthracene	180	12
				Benzo(a)pyrene	260	1.3
				Benzo(b)fluoranthene	280	NA
				Benzo(g,h,i)perylene	150	NA
				Benzo(k)fluoranthene	260	NA
				Benzo[e]pyrene	120	NA
				Bis(2-ethylhexyl)phthalate	260	199.5
				Butylbenzylphthalate	13	NA
				Carbazole	16	NA
				Chloroxylenol	140	NA
				Chrysene	220	NA
				Dibenzo(a,h)anthracene	260	NA
				Diethylphthalate	12	NA
				Di-n-butylphthalate	260	NA
				Fluoranthene	460	1020
				Fluorene	21	NA
				Indeno(1,2,3-cd)pyrene	180	NA
				Indeno[1,2,3-cd]fluoranthene	130	NA
				Naphthalene	15	30
				Phenanthrene	230	NA
				Phenanthrene, 2,3-dimethyl-	320	NA
				Phenol	370	0.5
				Polycyclic hydrocarbon	*150*	NA
				Polycyclic hydrocarbon	*260*	NA
				Pregnane-3,20-diol, (3.beta.,5.alpha.)-	340	NA
				Pyrene	340	961
				Total Alkanes	2900	NA
				Unknown oxyhydrocarbon	*100*	NA
				Unknown oxyhydrocarbon	*170*	NA
				Unknown oxyhydrocarbon	*430*	NA
				Unsaturated Hydrocarbon	550	NA
R2-1A	R2-1	0	6	*11H-Benzo[a]carbazole*	*510*	NA
				11H-Benzo[a]carbazole	*640*	NA
				11H-Benzo[a]fluorene	580	NA
				11H-Indeno[2,1-a]phenanthrene	690	NA
				2-Methylnaphthalene	96	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	*620*	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	*1700*	NA
				4,8a-Dimethyl-6-(2-methyl-oxiran-2-yl)-4a,5,6,7,	590	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-1A (cont.)	R2-1	0	6	4H-Cyclopenta[def]phenanthrene	1500	NA
				4-Methylphenol	57	NA
				4-Methylpyrrolo[1,2-a]pyrazine	580	NA
				7H-Benz[de]anthracen-7-one	570	NA
				7H-Benzo[c]fluorene	510	NA
				9H-Fluorene-2-carbonitrile	580	NA
				Acenaphthene	240	140
				Acenaphthylene	100	NA
				Anthracene	1500	107
				Anthracene, 2-methyl-	*640*	NA
				Anthracene, 2-methyl-	*660*	NA
				Anthracene, 2-methyl-	*800*	NA
				Benzo(a)anthracene	5700	12
				Benzo(a)pyrene	4400	1.3
				Benzo(b)fluoranthene	5400	NA
				Benzo(g,h,i)perylene	2900	NA
				Benzo(k)fluoranthene	2700	NA
				Benzo[b]naphtho[2,1-d]thiophene	590	NA
				Benzo[b]triphenylene	950	NA
				Benzo[e]pyrene	3200	NA
				Benzo[j]fluoranthene	1200	NA
				Bis(2-ethylhexyl)phthalate	1200	199.5
				Carbazole	190	NA
				Chrysene	5100	NA
				Chrysene, 1-methyl-	560	NA
				Dibenzo(a,h)anthracene	800	NA
				Dibenzofuran	190	NA
				Diboron(.mu.-selenium)diethylbis[.mu.-(1H-pyrazo	580	NA
				Fluoranthene	10000	1020
				Fluoranthene, 2-methyl-	1300	NA
				Fluorene	460	NA
				Indeno(1,2,3-cd)pyrene	3800	NA
				Indeno[1,2,3-cd]fluoranthene	*990*	NA
				Indeno[1,2,3-cd]fluoranthene	*1400*	NA
				Naphthalene	150	30
				Naphthalene, 2-phenyl-	1100	NA
				Perylene	1200	NA
				Phenanthrene	4500	NA
				Phenanthrene, 2,5-dimethyl-	730	NA
				p-Terphenyl	710	NA
				Pyrene	10000	961
				Pyrene, 1-methyl-	750	NA
				Total Alkanes	4400	NA
				Unsaturated Hydrocarbon	1600	NA
R2-1B	R2-1	6	12	11H-Benzo[b]fluorene	1000	NA
				1-Tricosene	760	NA
				2-Methylnaphthalene	130	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	1300	NA
				4H-Cyclopenta[def]phenanthrene	4500	NA
				4-Methylphenol	97	NA
				6-Hydroxy-7-methyl-9-oxabicyclo[3.3.1]nonan-2-on	2800	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-1B (cont.)	R2-1	6	12	7H-Benzo[c]fluorene	830	NA
				8-Dimethylaminonaphthalene-1-carbonitrile	900	NA
				9H-Fluorene, 4-methyl-	1200	NA
				Acenaphthene	950	140
				Acenaphthylene	88	NA
				Anthracene	3800	107
				Anthracene, 2-methyl-	1200	NA
				Anthracene, 9-methyl-	*1600*	NA
				Anthracene, 9-methyl-	*1900*	NA
				Benzaldehyde	170	NA
				Benzo(a)anthracene	7400	12
				Benzo(a)pyrene	4500	1.3
				Benzo(b)fluoranthene	6400	NA
				Benzo(g,h,i)perylene	3300	NA
				Benzo(k)fluoranthene	2100	NA
				Benzo[j]fluoranthene	1000	NA
				Bis(2-ethylhexyl)phthalate	1800	199.5
				Carbazole	870	NA
				Chrysene	6100	NA
				Dibenzo(a,h)anthracene	840	NA
				Dibenzofuran	480	NA
				Fluoranthene	16000	1020
				Fluorene	1300	NA
				Indeno(1,2,3-cd)pyrene	3900	NA
				Indeno[1,2,3-cd]fluoranthene	*940*	NA
				Indeno[1,2,3-cd]fluoranthene	*1200*	NA
				Naphthalene	170	30
				Naphthalene, 2-phenyl-	1600	NA
				Nonanamide	2200	NA
				Perylene	2000	NA
				Phenanthrene	10000	NA
				Phenanthrene, 1-methyl-7-(1-methylethyl)-	810	NA
				Phenanthrene, 2,3-dimethyl-	1500	NA
				Pyrene	11000	961
				Pyrene, 2-methyl-	800	NA
				Total Alkanes	10000	NA
				Unsaturated Hydrocarbon	1400	NA
R2-1C	R2-1	18	24	.beta.-Amyrin	390	NA
				1,1'-Biphenyl	21	NA
				1H-Cyclopenta[l]phenanthrene, 2,3-dihydro-	180	NA
				2,2-Dimethyl-3-[3,7,12-trimethyl-14-(1,4,4-trime	590	NA
				2-Methylnaphthalene	120	NA
				2-Methylphenol	12	NA
				4,5,11,12-Tetrahydrobenzo[A]pyrene	190	NA
				4H-Cyclopenta[def]phenanthrene	660	NA
				4-Methylphenol	220	NA
				9,10-Anthracenedione, 1,8-dimethoxy-	260	NA
				Acenaphthene	100	140
				Acenaphthylene	52	NA
				Acetophenone	290	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-1C (cont.)	R2-1	18	24	Acridine, 9,10-dihydro-9,9,10-trimethyl-	210	NA
				Anthracene	350	107
				Anthracene, 2-methyl-	300	NA
				Anthracene, 9-methyl-	390	NA
				Benzaldehyde	120	NA
				Benzo(a)anthracene	1200	12
				Benzo(a)pyrene	1000	1.3
				Benzo(b)fluoranthene	1300	NA
				Benzo(g,h,i)perylene	680	NA
				Benzo(k)fluoranthene	500	NA
				Benzo[b]naphtho[2,1-d]thiophene	*220*	NA
				Benzo[b]naphtho[2,1-d]thiophene	*300*	NA
				Benzo[b]naphtho[2,3-d]furan	360	NA
				Benzo[c]phenanthrene, 5,8-dimethyl-	190	NA
				Benzo[j]fluoranthene	590	NA
				Bis(2-ethylhexyl)phthalate	290	199.5
				Carbazole	110	NA
				Chrysene	1100	NA
				Dibenzo(a,h)anthracene	180	NA
				Dibenzofuran	110	NA
				Diethylphthalate	18	NA
				Di-n-butylphthalate	290	NA
				Fluoranthene	2300	1020
				Fluoranthene, 2-methyl-	250	NA
				Fluorene	180	NA
				Indeno(1,2,3-cd)pyrene	830	NA
				Naphthalene	190	30
				Naphthalene, 1,4,5-trimethyl-	340	NA
				Naphthalene, 2,3-dimethyl-	190	NA
				Naphthalene, 2-phenyl-	570	NA
				Naphtho[2,3-b]thiophene, 4,9-dimethyl-	400	NA
				o-Terphenyl	230	NA
				Phenanthrene	1300	NA
				Phenanthrene, 2,5-dimethyl-	250	NA
				Phenanthrene, 2,7-dimethyl-	200	NA
				Phenol	290	0.5
				Polycyclic hydrocarbon	*260*	NA
				Polycyclic hydrocarbon	*310*	NA
				Pyrene	1900	961
				Pyrene, 1-methyl-	220	NA
				Pyrene, 2-methyl-	370	NA
				Total Alkanes	3700	NA
				Unknown aromatic	*220*	NA
				Unknown aromatic	*320*	NA
				Unknown oxyhydrocarbon	420	NA
				Unsaturated Hydrocarbon	200	NA
R2-2A	R2-2	0	6	[1,1'-Bicyclohexyl]-4-carboxylic acid, 4'-propyl	240	NA
				1,1'-Biphenyl	15	NA
				1-Cyclohexanol-2-(3-methyl-1,3-butadienyl)-1,3,3	240	NA
				1-Naphthalenol, decahydro-4a-methyl-	270	NA
				1-Octadecene	340	NA
				2,4-Dimethylphenol	25	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-2A (cont.)	R2-2	0	6	2-Dodecen-1-yl(-)succinic anhydride	260	NA
				2-Methylnaphthalene	74	NA
				2-Methylphenol	40	NA
				4,4'-Dichlorodiphenylsulphide	600	NA
				4-Methylphenol	520	NA
				9,10-Anthracenedione	410	NA
				Acenaphthene	28	140
				Acenaphthylene	110	NA
				Acetophenone	350	NA
				Anthracene	99	107
				Anthracene, 1,4-dimethyl-	340	NA
				Anthracene, 2-methyl-	340	NA
				Anthracene, 9-methyl-	340	NA
				Baccharane	270	NA
				Benz[j]aceanthrylene, 3-methyl-	*290*	NA
				Benz[j]aceanthrylene, 3-methyl-	*370*	NA
				Benzaldehyde	100	NA
				Benzaldehyde, 3,5-dichloro-2-hydroxy-	330	NA
				Benzenamine, 2-bromo-4,6-dinitro-	460	NA
				Benzene, 1-fluoro-4-(2-phenylethenyl)-	250	NA
				Benzo(a)anthracene	690	12
				Benzo(a)pyrene	700	1.3
				Benzo(b)fluoranthene	980	NA
				Benzo(g,h,i)perylene	580	NA
				Benzo(k)fluoranthene	350	NA
				Benzo[b]naphtho[2,1-d]thiophene	250	NA
				Bis(2-ethylhexyl)phthalate	350	199.5
				Carbazole	110	NA
				Chrysene	850	NA
				Dibenzo(a,h)anthracene	130	NA
				Dibenzofuran	48	NA
				Diethylphthalate	12	NA
				Di-n-butylphthalate	350	NA
				Fluoranthene	1400	1020
				Fluorene	75	NA
				Fluorenone oxime	230	NA
				Hexadecanal, 2-methyl-	470	NA
				Indeno(1,2,3-cd)pyrene	630	NA
				Naphthalene	140	30
				Perylene	730	NA
				Phenanthrene	670	NA
				Phenanthrene, 2-methyl-	310	NA
				Phenanthrene, 3,6-dimethyl-	260	NA
				Phenol	63	0.5
				Polycyclic hydrocarbon	*260*	NA
				Polycyclic hydrocarbon	*270*	NA
				Polycyclic hydrocarbon	*350*	NA
				Polycyclic hydrocarbon	*370*	NA
				Polycyclic hydrocarbon	*440*	NA
				Polycyclic hydrocarbon	*500*	NA
				Pyrene	1300	961
				Total Alkanes	1700	NA
				Unknown aromatic	300	NA
				Unknown oxyhydrocarbon	240	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-2B	R2-2	6	12	1-(1-Trimethylsiloxyethenyl)-3-trimethylsiloxy-b	230	NA
				1,1'-Biphenyl	14	NA
				1,2-Benzenedithiol	270	NA
				11H-Benzo[b]fluorene	390	NA
				13H-Dibenzo[a,h]fluorene	230	NA
				1H-2,3-Benzodiazepine, 1-methyl-4-phenyl-	410	NA
				1-Mercapto-2-heptadecanone	530	NA
				2,3-Nonadecanediol	300	NA
				2,4-Dimethylphenol	28	NA
				2-Dodecen-1-yl(-)succinic anhydride	370	NA
				2-Methylnaphthalene	68	NA
				2-Methylphenol	25	NA
				4-(4-Methoxybenzylideneamino) benzenesulfonamide	240	NA
				4-Methylphenol	220	NA
				9,10-Anthracenedione	870	NA
				9,10-Dimethylanthracene	240	NA
				9H-Fluorene, 1-methyl-	280	NA
				9H-Fluorene, 2,3-dimethyl-	260	NA
				Acenaphthene	39	140
				Acenaphthylene	75	NA
				Acetophenone	370	NA
				Anthracene	130	107
				Anthracene, 9-butyltetradecahydro-	270	NA
				Anthracene, 9-methyl-	250	NA
				Azulene, 4,8-dimethyl-6-phenyl-	230	NA
				Benzaldehyde	160	NA
				Benzo(a)anthracene	670	12
				Benzo(a)pyrene	600	1.3
				Benzo(b)fluoranthene	840	NA
				Benzo(g,h,i)perylene	500	NA
				Benzo(k)fluoranthene	310	NA
				Benzo[e]pyrene	510	NA
				Benzo[ghi]fluoranthene	360	NA
				Bis(2-ethylhexyl)phthalate	370	199.5
				Carbazole	110	NA
				Chrysene	780	NA
				Dibenzo(a,h)anthracene	130	NA
				Dibenzofuran	58	NA
				Diethylphthalate	23	NA
				Di-n-butylphthalate	370	NA
				Fluoranthene	1400	1020
				Fluorene	79	NA
				Indeno(1,2,3-cd)pyrene	590	NA
				Naphthalene	120	30
				o-Terphenyl	280	NA
				Phenanthrene	660	NA
				Phenanthrene, 2,3-dimethyl-	510	NA
				Phenanthrene, 3,6-dimethyl-	280	NA
				Phenanthrene, 4-methyl-	450	NA
				Phenazocine	340	NA
				Phenol	81	0.5
				Polycyclic hydrocarbon	250	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-2B (cont.)	R2-2	6	12	p-Terphenyl	450	NA
				Pyrene	1300	961
				Pyrene, 1-methyl-	230	NA
				Pyrene, 4,5-dihydro-	320	NA
				Sulfur	250	NA
				Total Alkanes	2800	NA
				Unknown aromatic	240	NA
R2-2C	R2-2	18	24	(Z,Z)-3-Methyl-3H-cyclonona(def)biphenylene	170	NA
				1,4-Methano-1H-indene, octahydro-1,7a-dimethyl-4	360	NA
				17-(1,5-Dimethylhexyl)-10,13-dimethyl-4-vinylhex	240	NA
				1-Docosene	370	NA
				1H-Phenanthro[9,10-c]pyrazole	130	NA
				2-Methylnaphthalene	12	NA
				4-Methylphenol	27	NA
				6-Isopropenyl-4,8a-dimethyl-4a,5,6,7,8,8a-hexahy	630	NA
				9,10-Dimethylanthracene	280	NA
				Acetophenone	330	NA
				Benzaldehyde	98	NA
				Benzo(a)anthracene	22	12
				Benzo(a)pyrene	20	1.3
				Benzo(b)fluoranthene	29	NA
				Benzo(g,h,i)perylene	41	NA
				Benzo(k)fluoranthene	22	NA
				Bis(2-ethylhexyl)phthalate	330	199.5
				Chrysene	27	NA
				D:C-Friedooleanan-3-one	910	NA
				D-Friedoolean-14-en-3-one	440	NA
				Dibenzo(a,h)anthracene	22	NA
				Diethylphthalate	13	NA
				Di-n-butylphthalate	330	NA
				Fluoranthene	40	1020
				Hexathiepane	360	NA
				Indeno(1,2,3-cd)pyrene	38	NA
				Naphthalene	20	30
				Octadecanoic acid, ethenyl ester	270	NA
				Phenanthrene	23	NA
				Phenol	390	0.5
				Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-	430	NA
				Polycyclic hydrocarbon	220	NA
				Pyrene	41	961
				Sulfur	150	NA
				Total Alkanes	2700	NA
				Unknown aromatic	*190*	NA
				Unknown aromatic	*500*	NA
				Unknown aromatic	*760*	NA
R2-3A	R2-3	0	6	1,2-Benzenedicarboxylic acid, diheptyl ester	270	NA
				1-Hexanol, 2-ethyl-	1600	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-3A (cont.)	R2-3	0	6	2-Methylnaphthalene	14	NA
				4-Methylphenol	29	NA
				Acetophenone	420	NA
				Benzaldehyde	120	NA
				Benzo(a)anthracene	62	12
				Benzo(a)pyrene	62	1.3
				Benzo(b)fluoranthene	76	NA
				Benzo(g,h,i)perylene	66	NA
				Benzo(k)fluoranthene	38	NA
				Benzoic acid, 2-amino-4-nitro-	4200	NA
				Bis(2-ethylhexyl)phthalate	420	199.5
				Chrysene	59	NA
				Dibenzo(a,h)anthracene	420	NA
				Di-n-butylphthalate	420	NA
				Fluoranthene	130	1020
				Hexadecanoic acid, 4-nitrophenyl ester	360	NA
				Indeno(1,2,3-cd)pyrene	70	NA
				Naphthalene	25	30
				Octadecanoic acid, ethenyl ester	200	NA
				Phenanthrene	67	NA
				Phenol	60	0.5
				Pyrene	100	961
				Pyrene, 4,5,9,10-tetrahydro-	170	NA
				Total Alkanes	2500	NA
R2-3B	R2-3	6	12	1-Mercapto-2-heptadecanone	440	NA
				1-Octadecene	160	NA
				4-Methylphenol	65	NA
				Acetophenone	390	NA
				Azulene, 1,2,3,5,6,7,8,8a-octahydro-1,4-dimethyl	370	NA
				Benzaldehyde	100	NA
				Benzo(a)anthracene	18	12
				Benzo(a)pyrene	14	1.3
				Benzo(b)fluoranthene	14	NA
				Benzo(g,h,i)perylene	20	NA
				Benzoic acid, 2-amino-4-nitro-	280	NA
				Bis(2-ethylhexyl)phthalate	390	199.5
				D-Friedoolean-14-en-3-one	220	NA
				Di-n-butylphthalate	390	NA
				Fluoranthene	14	1020
				Indeno(1,2,3-cd)pyrene	20	NA
				Naphthalene	15	30
				Octadecanoic acid, ethenyl ester	230	NA
				Phenanthrene	14	NA
				Phenol	48	0.5
				Pyrene	20	961
				Total Alkanes	840	NA
R2-3C	R2-3	18	24	2(1H)-Naphthalenone, octahydro-1,4a-dimethyl-, (	290	NA
				2,6,10,14,18-Pentamethyl-2,6,10,14,18-eicosapent	200	NA
				2-Hexadecanone	300	NA
				4-Methylphenol	21	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-3C (cont.)	R2-3	18	24	Acetophenone	360	NA
				Benzaldehyde	100	NA
				Benzoic acid, 2,4-dimethyl-	190	NA
				Benzoic acid, 2-amino-4-nitro-	1600	NA
				Bis(2-ethylhexyl)phthalate	360	199.5
				Di-n-butylphthalate	360	NA
				Docosa-2,6,10,14,18-pentaen-22-al, 2,6,10,15,18-	760	NA
				n-Hexadecanoic acid	210	NA
				Octadecanoic acid, ethenyl ester	160	NA
				Phenol	550	0.5
				Total Alkanes	470	NA
R2-4A	R2-4	0	6	1-Hexanol, 2-ethyl-	1600	NA
				1-Mercapto-2-heptadecanone	490	NA
				4-Methylphenol	26	NA
				Acetophenone	420	NA
				Anthracene	15	107
				Benzaldehyde	120	NA
				Benzo(a)anthracene	100	12
				Benzo(a)pyrene	110	1.3
				Benzo(b)fluoranthene	150	NA
				Benzo(g,h,i)perylene	110	NA
				Benzo(k)fluoranthene	53	NA
				Benzoic acid, 2,4-dimethyl-	170	NA
				Benzoic acid, 2-amino-4-nitro-	3200	NA
				Bis(2-ethylhexyl)phthalate	420	199.5
				Chrysene	120	NA
				Dibenzo(a,h)anthracene	420	NA
				Di-n-butylphthalate	420	NA
				Fluoranthene	220	1020
				Heptane, 5-ethyl-2-methyl-	630	NA
				Indeno(1,2,3-cd)pyrene	120	NA
				Naphthalene	22	30
				Octadecanoic acid, ethenyl ester	290	NA
				Phenanthrene	85	NA
				Phenol	55	0.5
				Piperonal	200	NA
				Pyrene	180	961
R2-4B	R2-4	6	12	1,2-Benzenedicarboxylic acid, butyl cyclohexyl e	190	NA
				1-Docosene	1000	NA
				1-Eicosanol	1300	NA
				1H-1,3-Disilaindene, 2,3-dihydro-	510	NA
				2-Heptanone, 4-methyl-	390	NA
				2-Methylnaphthalene	22	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	200	NA
				3,5-di-tert-Butyl-4-hydroxyacetophenone	310	NA
				4-Methylphenol	19	NA
				6.beta.Bicyclo[4.3.0]nonane, 5.beta.-iodomethyl-	340	NA
				9-Octadecenamide, (Z)-	240	NA
				Acetophenone	470	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-4B (cont.)	R2-4	6	12	Anthracene	16	107
				Benzaldehyde	150	NA
				Benzo(a)anthracene	84	12
				Benzo(a)pyrene	81	1.3
				Benzo(b)fluoranthene	110	NA
				Benzo(g,h,i)perylene	89	NA
				Benzo(k)fluoranthene	52	NA
				Benzoic acid, 2-amino-4-nitro-	1400	NA
				Bis(2-ethylhexyl)phthalate	470	199.5
				Caprolactam	98	NA
				Chrysene	130	NA
				Dibenzo(a,h)anthracene	470	NA
				Di-n-butylphthalate	470	NA
				Fluoranthene	200	1020
				Indeno(1,2,3-cd)pyrene	100	NA
				Naphthalene	29	30
				Phenanthrene	97	NA
				Phenol	55	0.5
				Pyrene	170	961
				Stearic acid hydrazide	180	NA
				Total Alkanes	430	NA
R2-4C	R2-4	18	24	.gamma.-Sitosterol	1000	NA
				1,3-Benzenediol, 2-[3-methyl-6-(1-methylethenyl)	470	NA
				1-Docosene	*8800*	NA
				1-Docosene	*10000*	NA
				1-Heneicosyl formate	1000	NA
				1-Tricosene	620	NA
				2,5,5,8a-Tetramethyl-4-methylene-6,7,8,8a-tetrah	670	NA
				2-Thiazolemethanol, .alpha.-phenyl-	930	NA
				3,5-Dimethyl-4-hydroxybenzaldehyde	460	NA
				5-(1-Naphthyl)tricyclo[4.1.0.0]hept-3-ene	950	NA
				Acetophenone	720	NA
				Benzaldehyde	290	NA
				Benzo(b)fluoranthene	22	NA
				Benzo(g,h,i)perylene	32	NA
				Benzoic acid, 2-amino-4-nitro-	3200	NA
				Bis(2-ethylhexyl)phthalate	720	199.5
				Di-n-butylphthalate	720	NA
				Hexadecanoic acid, 4-nitrophenyl ester	870	NA
				Indeno(1,2,3-cd)pyrene	28	NA
				Oxirane, [(hexadecyloxy)methyl]-	340	NA
				Phenol	900	0.5
				Polycyclic hydrocarbon	*320*	NA
				Polycyclic hydrocarbon	*330*	NA
				Polycyclic hydrocarbon	*350*	NA
				Polycyclic hydrocarbon	*360*	NA
				Polycyclic hydrocarbon	*440*	NA
				Sesquirosefuran	310	NA
				Squalene	780	NA
				Total Alkanes	3700	NA
				Unknown aromatic	390	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-5A	R2-5	0	6	1,4-Methanoazulen-7-ol, decahydro-4,8,8,9-tetram	360	NA
				10-Nonadecanone	220	NA
				1-Octadecanol	1500	NA
				Acetophenone	530	NA
				Benzaldehyde	120	NA
				Benzo(a)anthracene	41	12
				Benzo(a)pyrene	40	1.3
				Benzo(b)fluoranthene	57	NA
				Benzo(g,h,i)perylene	46	NA
				Benzo(k)fluoranthene	22	NA
				Bis(2-ethylhexyl)phthalate	530	199.5
				Chrysene	46	NA
				Dibenzo(a,h)anthracene	530	NA
				Di-n-butylphthalate	530	NA
				Fluoranthene	73	1020
				Heptafluorobutyric acid, n-octadecyl ester	1200	NA
				Hexahydroindole	210	NA
				Indeno(1,2,3-cd)pyrene	59	NA
				Naphthalene	20	30
				Octyl thioglycolate	1200	NA
				Phenanthrene	39	NA
				Phenol	64	0.5
				Polycyclic hydrocarbon	*210*	NA
				Polycyclic hydrocarbon	*990*	NA
				Pyrene	69	961
				Sesquirosefuran	7900	NA
				Total Alkanes	1900	NA
R2-5B	R2-5	6	12	1,2-Benzenedicarboxylic acid, monobutyl ester	570	NA
				13-Tertadecen-1-ol acetate	1200	NA
				1-Eicosanol	6200	NA
				1H-2,6-Methano-2,3-benzodiazocin-8-ol, 3,4,5,6-t	660	NA
				1-Naphthalenepropanol, .alpha.-ethenyldecahydro-	410	NA
				2,10-Phenanthrenediol, 4b,5,6,7,8,8a,9,10-octahy	470	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorop	490	NA
				2-Pentadecanone, 6,10,14-trimethyl-	460	NA
				4-(4-Oxo-1,2,3,4,6,7,12,12b-octahydropyrido[2,1-	900	NA
				4,7-Methanoazulene, decahydro-1,4,9,9-tetramethy	330	NA
				4-Heptanone, 2,3:5,6-diepoxy-2,6-dimethyl-	450	NA
				9-Undecenol, 2,10-dimethyl-	770	NA
				Acetophenone	820	NA
				Benzaldehyde	270	NA
				Benzo(a)anthracene	27	12
				Benzo(a)pyrene	29	1.3
				Benzo(b)fluoranthene	40	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-5B (cont.)	R2-5	6	12	Benzo(g,h,i)perylene	54	NA
				Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenzo[c]thie	430	NA
				Benzoic acid, 2,4-dimethyl-	590	NA
				Bis(2-ethylhexyl)phthalate	820	199.5
				Chrysene	27	NA
				Di-n-butylphthalate	820	NA
				Fluoranthene	41	1020
				Fluoranthene, 2-methyl-	400	NA
				Hexadecanamide	700	NA
				Indeno(1,2,3-cd)pyrene	58	NA
				Octanal, (2,4-dinitrophenyl)hydrazone	400	NA
				Pentaethylene glycol	370	NA
				Phenol	110	0.5
				Polycyclic hydrocarbon	*330*	NA
				Polycyclic hydrocarbon	*350*	NA
				Polycyclic hydrocarbon	*370*	NA
				Polycyclic hydrocarbon	*390*	NA
				Polycyclic hydrocarbon	*420*	NA
				Polycyclic hydrocarbon	*590*	NA
				Polycyclic hydrocarbon	*900*	NA
				Pregn-4-ene-3,20-dione, 16-hydroxy-, (16.alpha.)	500	NA
				Pyrene	38	961
				Total Alkanes	8500	NA
				Trifluoroacetic acid, n-octadecyl ester	*710*	NA
				Trifluoroacetic acid, n-octadecyl ester	*4600*	NA
R2-5C	R2-5	18	24	*1-Docosene*	*4300*	NA
				1-Docosene	*6300*	NA
				1-Eicosanol	990	NA
				1H-Cyclopropa[a]naphthalene, 1a,2,3,3a,4,5,6,7b-	230	NA
				2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl-, acet	250	NA
				2-Propanol, 1-(2-methoxypropoxy)-	240	NA
				3,6-Bis(N-formamido)-9-	290	NA
				5-(1-Isopropenyl-4,5-dimethylbicyclo[4.3.0]nonan	530	NA
				5-(7a-Isopropenyl-4,5-dimethyl-octahydroinden-4-	240	NA
				Acetophenone	490	NA
				Benzaldehyde	160	NA
				Benzoic acid, 2-amino-4-nitro-	660	NA
				Bicyclo[4.3.0]nonane, 1-isoproopenyl-6,7-dimethy	220	NA
				Bis(2-ethylhexyl)phthalate	490	199.5
				Chloroxylenol	290	NA
				Diethylphthalate	30	NA
				Di-n-butylphthalate	490	NA
				Phenol	1500	0.5
				Polycyclic hydrocarbon	570	NA
				Total Alkanes	1300	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-6A	R2-6	0	6	1-Docosene	1500	NA
				1-Mercapto-2-heptadecanone	460	NA
				Acetophenone	590	NA
				Benzaldehyde	170	NA
				Benzo(a)anthracene	76	12
				Benzo(a)pyrene	96	1.3
				Benzo(b)fluoranthene	120	NA
				Benzo(g,h,i)perylene	100	NA
				Benzo(k)fluoranthene	45	NA
				Benzoic acid, 2-amino-4-nitro-	1300	NA
				Bis(2-ethylhexyl)phthalate	590	199.5
				Caprolactam	39	NA
				Chloroxylenol	560	NA
				Chrysene	100	NA
				Dibenzo(a,h)anthracene	590	NA
				Diethylphthalate	23	NA
				Di-n-butylphthalate	590	NA
				Ethanol, 2-(tetradecyloxy)-	1200	NA
				Fluoranthene	180	1020
				Friedelin	4200	NA
				Indeno(1,2,3-cd)pyrene	100	NA
				Ledol	630	NA
				Naphthalene	20	30
				Phenanthrene	68	NA
				Phenol	99	0.5
				Polycyclic hydrocarbon	270	NA
				Pyrene	160	961
				Total Alkanes	800	NA
R2-6B	R2-6	6	12	.gamma.-Sitosterol	930	NA
				1,2-Benzenedicarboxylic acid, diheptyl ester	820	NA
				1,4,7,10,13,16-Hexaoxacyclooctadecane	370	NA
				1-Docosene	5800	NA
				1-Dotriacontanol	5000	NA
				1-Heptadecene	440	NA
				1-Hexanol, 2-ethyl-	3300	NA
				2,4,6-Trimethyl-1,3-phenylenediamine	1000	NA
				2-Nonadecanone	340	NA
				3,3'-Diamino-4'-hydroxydiphenylsulphone	490	NA
				3-Octene, (E)-	570	NA
				5-Eicosene, (E)-	510	NA
				7a-Isopropenyl-4,5-dimethyloctahydroindene-4-car	1200	NA
				Acetophenone	830	NA
				Anthracene, 9-(2-propenyl)-	780	NA
				Benzaldehyde	250	NA
				Benzene, 1,3,5-tri-tert-butyl-	430	NA
				Benzo(a)anthracene	27	12
				Benzo(a)pyrene	27	1.3
				Benzo(b)fluoranthene	40	NA
				Benzo(g,h,i)perylene	47	NA
				Benzo[b]thiophen-3(2H)-one, 2-(3-oxobenzo[b]thie	480	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-6B (cont.)	R2-6	6	12	Benzoic acid, 2-amino-4-nitro-	6400	NA
				Bis(2-ethylhexyl) maleate	340	NA
				Bis(2-ethylhexyl)phthalate	830	199.5
				Chloroxylenol	700	NA
				Chrysene	29	NA
				Di-n-butylphthalate	830	NA
				Fluoranthene	51	1020
				Indeno(1,2,3-cd)pyrene	43	NA
				Methyl (7-hydroxy-1H-benzimidazol-2-yl)carbamate	350	NA
				Oxirane, tetramethyl-	*490*	NA
				Oxirane, tetramethyl-	*670*	NA
				Phenanthrene	27	NA
				Phenol	120	0.5
				Polycyclic hydrocarbon	*330*	NA
				Polycyclic hydrocarbon	*340*	NA
				Polycyclic hydrocarbon	*380*	NA
				Polycyclic hydrocarbon	*890*	NA
				Polycyclic hydrocarbon	*900*	NA
				Polycyclic hydrocarbon	*990*	NA
				Pyrene	50	961
				Total Alkanes	7900	NA
R2-6C	R2-6	18	24	1,2-Benzenedicarboxylic acid, decyl hexyl ester	350	NA
				1-Docosene	4200	NA
				1-Dotriacontanol	3300	NA
				1-Eicosanol	910	NA
				2-Propanol, 1-(2-methoxypropoxy)-	310	NA
				5,9,13-Pentadecatrien-2-one, 6,10,14-trimethyl-,	380	NA
				Acetophenone	750	NA
				Anthracene, 9-dodecyltetradecahydro-	510	NA
				Benzaldehyde	280	NA
				Benzo(a)anthracene	62	12
				Benzo(a)pyrene	67	1.3
				Benzo(b)fluoranthene	75	NA
				Benzo(g,h,i)perylene	69	NA
				Benzo(k)fluoranthene	33	NA
				Benzoic acid, 2,4-dimethyl-	590	NA
				Benzoic acid, 2-amino-4-nitro-	3000	NA
				Bis(2-ethylhexyl)phthalate	750	199.5
				Chloroxylenol	990	NA
				Chrysene	58	NA
				Dibenzo(a,h)anthracene	750	NA
				Di-n-butylphthalate	750	NA
				Fluoranthene	110	1020
				Hexadecanoic acid, 4-nitrophenyl ester	970	NA
				Indeno(1,2,3-cd)pyrene	83	NA
				Isoquinoline, 1,2,3,4-tetrahydro-7-methoxy-2-met	400	NA
				Phenanthrene	42	NA
				Phenol	490	0.5
				Polycyclic hydrocarbon	*380*	NA
				Polycyclic hydrocarbon	*3600*	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-6C (cont.)	R2-6	18	24	Pyrene	100	961
				Total Alkanes	2500	NA
R2-7A	R2-7	0	6	.beta.-Amyrin	840	NA
				.delta. Nonalactone	270	NA
				1-Docosene	1500	NA
				1-Dotriacontanol	2300	NA
				1-Eicosanol	2900	NA
				1-Mercapto-2-heptadecanone	430	NA
				2-Methylnaphthalene	20	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	320	NA
				4-Chloro-3-methylphenol	30	NA
				4-Methylphenol	19	NA
				4-Pyridinamine, N,N,2,6-tetramethyl-	460	NA
				5-(1-Naphthyl)tricyclo[4.1.0.0]hept-3-ene	340	NA
				5-Chloroquinoxaline	1400	NA
				7H-Benz[de]anthracen-7-one	290	NA
				7H-Benzo[c]carbazole	370	NA
				Acenaphthene	30	140
				Acenaphthylene	17	NA
				Acetophenone	510	NA
				Anthracene	53	107
				Benzaldehyde	160	NA
				Benzo(a)anthracene	440	12
				Benzo(a)pyrene	470	1.3
				Benzo(b)fluoranthene	590	NA
				Benzo(g,h,i)perylene	460	NA
				Benzo(k)fluoranthene	260	NA
				Benzo[b]naphtho[2,1-d]thiophene	240	NA
				Bis(2-ethylhexyl)phthalate	510	199.5
				Butylbenzylphthalate	29	NA
				Campesterol	1000	NA
				Caprolactam	110	NA
				Carbazole	45	NA
				Chloroxylenol	260	NA
				Chrysene	520	NA
				Cyclopenta[cd]pyrene	400	NA
				Dibenzo(a,h)anthracene	510	NA
				Di-n-butylphthalate	510	NA
				Fluoranthene	900	1020
				Fluorene	25	NA
				Hexadecenoic acid, Z-11-	430	NA
				Indeno(1,2,3-cd)pyrene	470	NA
				Indeno[1,2,3-cd]fluoranthene	280	NA
				Naphthalene	27	30
				n-Hexadecanoic acid	530	NA
				Octadecanal	*290*	NA
				Octadecanal	*520*	NA
				Octadecanal	*1000*	NA
				Octadecanoic acid, ethenyl ester	260	NA
				Olean-12-ene, 3-methoxy-, (3.beta.)-	1600	NA
				Oxirane, heptadecyl-	420	NA
				Perylene	480	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-7A (cont.)	R2-7	0	6	Phenanthrene	310	NA
				Phenanthrene, 2,5-dimethyl-	250	NA
				Phenol	90	0.5
				Phytol	450	NA
				Pyrene	830	961
				Pyrene, 2-methyl-	480	NA
				Squalene	850	NA
				Total Alkanes	4700	NA
R2-7B	R2-7	6	12	.gamma.-Sitosterol	420	NA
				1,3-Benzenedicarboxylic acid	580	NA
				15-Crown-5	380	NA
				1-Docosene	5500	NA
				1-Dotriacontanol	4100	NA
				1H-1,3-Disilaindene, 2,3-dihydro-	480	NA
				1H-Cyclopropa[a]naphthalene, 1a,2,3,3a,4,5,6,7b-	360	NA
				1-Hexadecanol	560	NA
				1-Octadecanol	260	NA
				1-Octadecene	1100	NA
				2H-Pyran, 3,4-dihydro-6-methyl-	380	NA
				2-Octene, 2,6-dimethyl-	410	NA
				2-Pentadecanone	780	NA
				Acetic acid, octadecyl ester	260	NA
				Acetophenone	660	NA
				Azacyclotridecan-2-one, 1-[3-(methylamino)propyl	280	NA
				Benzaldehyde	200	NA
				Benzo(a)anthracene	41	12
				Benzo(a)pyrene	44	1.3
				Benzo(b)fluoranthene	49	NA
				Benzo(g,h,i)perylene	46	NA
				Benzoic acid, 2,4-dimethyl-	980	NA
				Benzoic acid, 2-amino-4-nitro-	5900	NA
				Bis(2-ethylhexyl)phthalate	660	199.5
				Caprolactam	53	NA
				Carbamic acid, N-phenyl-, 1,5-dimethyl-1-vinyl-4	330	NA
				Chloroxylenol	350	NA
				Chrysene	36	NA
				Di-n-butylphthalate	660	NA
				E-15-Heptadecenoic acid	300	NA
				Fluoranthene	75	1020
				Friedelin	3100	NA
				Indeno(1,2,3-cd)pyrene	51	NA
				n-Hexadecanoic acid	310	NA
				Oxirane, tetramethyl-	450	NA
				Phenanthrene	36	NA
				Phenol	90	0.5
				Phosphinic acid, (2-	360	NA
				Polycyclic hydrocarbon	*270*	NA
				Polycyclic hydrocarbon	*270*	NA
				Polycyclic hydrocarbon	*310*	NA
				Polycyclic hydrocarbon	*690*	NA
				Pyrene	69	961

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-7B (cont.)	R2-7	6	12	Squalene	540	NA
				Total Alkanes	6900	NA
R2-7C	R2-7	18	24	.gamma.-Sitosterol	1200	NA
				1-(3-Fluorophenyl)-3-methyl-4-piperonylidene-2-p	420	NA
				1,5,9-Undecatriene, 2,6,10-trimethyl-,	510	NA
				10-Heneicosene (c,t)	1300	NA
				1-Dotriacontanol	6300	NA
				1-Eicosanol	9300	NA
				1-Eicosene	450	NA
				1-Heptadecanol	1500	NA
				1-Hexadecene	490	NA
				1-Octadecene	*390*	NA
				1-Octadecene	*520*	NA
				2-Norbornanone, 3-bromo-	370	NA
				2-Tetradecanone	780	NA
				3,6,9,12,15-Pentaoxanonadecan-1-ol	400	NA
				7-Heptadecenal	950	NA
				9a-Benzyl-4b,9a-dihydroindeno[1,2-a]indene-9,10-	1300	NA
				Acetophenone	860	NA
				Androstan-6-one, (5.alpha.)-	580	NA
				Benzaldehyde	360	NA
				Benzo[b]thiophen-3(2H)-one, 2-(3-oxobenzo[b]thie	690	NA
				Benzoic acid, 2-amino-4-nitro-	930	NA
				Bicyclo[2.2.1]heptan-2-ol, 1,5,5-trimethyl-	860	NA
				Bis(2-ethylhexyl)phthalate	860	199.5
				Chloroxylenol	580	NA
				Cyclodeca[b]furan-2(3H)-one, 3a,4,5,8,9,11a-hexa	470	NA
				Di-n-butylphthalate	860	NA
				Ergostan-3-ol, acetate,	580	NA
				Hexadecanamide	*370*	NA
				Hexadecanamide	*640*	NA
				Naphthalene	34	30
				Oxirane, tetramethyl-	810	NA
				Phenol	930	0.5
				Polycyclic hydrocarbon	*440*	NA
				Polycyclic hydrocarbon	*3300*	NA
				Quinoline, 2,3,4,4a,5,6-hexahydro-7-methoxy-	430	NA
				Total Alkanes	5400	NA
				Xanthine, 1,3-diethyl-8-[4-[[[ethylamino]carbony	450	NA
R2-8A	R2-8	0	6	1,1'-Biphenyl, 2',3,4-trichloro-	190	NA
				1H-Phenanthro[9,10-c]pyrazole	170	NA
				2-Benzylidenehydrazono-3-methyl-2,3-dihydrobenzo	170	NA
				2-Heptanone, 4-methyl-	290	NA
				2-Methylnaphthalene	16	NA
				2-Phenylnaphthalene	350	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-8A (cont.)	R2-8	0	6	3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	390	NA
				3-Buten-2-one, 3-methyl-4-(1,3,3-trimethyl-7-oxa	140	NA
				4-Methylphenol	27	NA
				Acenaphthene	27	140
				Acenaphthylene	16	NA
				Acetophenone	290	NA
				Anthracene	45	107
				Anthracene, 2-methyl-	120	NA
				Azuleno[4,5-b]furan-2(3H)-one, decahydro-8,9-dih	170	NA
				Benzaldehyde	64	NA
				Benzeneacetonitrile, 4-cyano-	140	NA
				Benzo(a)anthracene	420	12
				Benzo(a)pyrene	410	1.3
				Benzo(b)fluoranthene	630	NA
				Benzo(g,h,i)perylene	310	NA
				Benzo(k)fluoranthene	290	NA
				Benzo[c]phenanthrene	160	NA
				Benzo[e]pyrene	360	NA
				Bis(2-ethylhexyl)phthalate	290	199.5
				Butylbenzylphthalate	15	NA
				Carbazole	41	NA
				Chloroxylenol	200	NA
				Chrysene	580	NA
				Dibenzo(a,h)anthracene	290	NA
				Dibenzofuran	17	NA
				Diethylphthalate	8.9	NA
				Dinaphtho[2,1-b:1',2'-d]furan	120	NA
				Di-n-butylphthalate	290	NA
				Fluoranthene	950	1020
				Fluorene	33	NA
				Indeno(1,2,3-cd)pyrene	340	NA
				Naphthalene	25	30
				o-Terphenyl	240	NA
				Phenanthrene	380	NA
				Phenanthrene, 2,3-dimethyl-	300	NA
				Phenol	29	0.5
				p-Terphenyl	260	NA
				Pyrene	910	961
				Total Alkanes	1700	NA
				Unsaturated Hydrocarbon	340	NA
R2-8B	R2-8	6	12	1H-Indene, 2,3,3a,4,7,7a-hexahydro-2,2,4,4,7,7-h	140	NA
				2-Methylnaphthalene	16	NA
				4-Methylphenol	21	NA
				Acenaphthene	11	140
				Acenaphthylene	12	NA
				Acetophenone	320	NA
				Anthracene	28	107
				Benzaldehyde	60	NA
				Benzo(a)anthracene	160	12
				Benzo(a)pyrene	320	1.3

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-8B (cont.)	R2-8	6	12	Benzo(b)fluoranthene	320	NA
				Benzo(g,h,i)perylene	320	NA
				Benzo(k)fluoranthene	320	NA
				Bis(2-ethylhexyl)phthalate	320	199.5
				Butylbenzylphthalate	18	NA
				Carbazole	15	NA
				Chlorinated aromatic	140	NA
				Chloroxylenol	580	NA
				Chrysene	190	NA
				Dibenzo(a,h)anthracene	320	NA
				Di-n-butylphthalate	320	NA
				Ethyl (+)-camphorcarboxylate	130	NA
				Fluoranthene	370	1020
				Fluorene	17	NA
				Indeno(1,2,3-cd)pyrene	320	NA
				Naphthalene	23	30
				Octadecanoic acid, ethenyl ester	220	NA
				Perylene	190	NA
				Phenanthrene	160	NA
				Phenanthrene, 2,5-dimethyl-	150	NA
				Phenanthrene, 3,6-dimethyl-	220	NA
				Phenol	22	0.5
				Phosphonic acid, ethyl-, bis(trimethylsilyl) est	410	NA
				Polycyclic hydrocarbon	140	NA
				Total Alkanes	3800	NA
				Unsaturated Hydrocarbon	510	NA
R2-8C	R2-8	18	24	1,1'-Biphenyl	9.9	NA
				1,1'-Biphenyl, 2,3,4,4'-tetrachloro-	530	NA
				1,1'-Biphenyl, 2,3,4',6-tetrachloro-	*450*	NA
				1,1'-Biphenyl, 2,3,4',6-tetrachloro-	*790*	NA
				1,1'-Biphenyl, 2,4,4',6-tetrachloro-	*600*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*400*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*490*	NA
				1,1'-Biphenyl, trichloro-	*670*	NA
				1,1'-Biphenyl, trichloro-	*2000*	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	480	NA
				1-Cyclohexylheptene	380	NA
				1-Hexadecanol, 2-methyl-	640	NA
				1-Nonadecene	620	NA
				2-Methylnaphthalene	32	NA
				2-Methylphenol	15	NA
				4-Methylphenol	59	NA
				Acenaphthene	38	140
				Acenaphthylene	35	NA
				Acetophenone	330	NA
				Anthracene	70	107
				Azulene, 1,4-dimethyl-7-(1-methylethyl)-	470	NA
				Benzaldehyde	84	NA
				Benzo(a)anthracene	410	12
				Benzo(a)pyrene	340	1.3
				Benzo(b)fluoranthene	550	NA
				Benzo(g,h,i)perylene	330	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-8C (cont.)	R2-8	18	24	Benzo(k)fluoranthene	330	NA
				Benzo[b]naphtho[2,1-d]thiophene	600	NA
				Bicyclo[3.1.1]heptane-2-carboxaldehyde, 6,6-dime	350	NA
				Bis(2-ethylhexyl)phthalate	440	199.5
				Carbazole	33	NA
				Chloroxylenol	380	NA
				Chrysene	450	NA
				Dibenzo(a,h)anthracene	330	NA
				Dibenzofuran	27	NA
				Dibenzothiophene	380	NA
				Di-n-butylphthalate	330	NA
				Fluoranthene	930	1020
				Fluorene	59	NA
				Indeno(1,2,3-cd)pyrene	330	NA
				Naphthalene	34	30
				Phenanthrene	460	NA
				Phenanthrene, 3,6-dimethyl-	*370*	NA
				Phenanthrene, 3,6-dimethyl-	*1100*	NA
				Phenanthrene, 9-dodecyltetradecahydro-	400	NA
				Phenol	630	0.5
				Pyrene	940	961
				Total Alkanes	15000	NA
				Triphenylene, 2-methyl-	370	NA
				Unknown oxyhydrocarbon	*430*	NA
				Unknown oxyhydrocarbon	*620*	NA
				Unknown oxyhydrocarbon	*740*	NA
				Unsaturated Hydrocarbon	*540*	NA
				Unsaturated Hydrocarbon	*860*	NA
R2-9A	R2-9	0	6	1,1'-Biphenyl, 2,4,4'-trichloro-	170	NA
				11H-Benzo[b]fluorene	270	NA
				13H-Dibenzo[a,h]fluorene	190	NA
				1H-Indene, 2-butyl-5-hexyloctahydro-	240	NA
				2,4,6,8-Tetrathiatricyclo[3.3.1.13,7]decane, 1,3	210	NA
				2,6,10,14,18-Pentamethyl-2,6,10,14,18-eicosapent	350	NA
				2-Methylnaphthalene	21	NA
				2-Undecanone, 6,10-dimethyl-	170	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	300	NA
				4-Methylphenol	26	NA
				9-Octadecenoic acid (Z)-, octadecyl	320	NA
				Acenaphthene	36	140
				Acenaphthylene	30	NA
				Acetophenone	330	NA
				Anthracene	100	107
				Anthracene, 1-methyl-	280	NA
				Anthracene, 9-phenyl-	170	NA
				Benzaldehyde	89	NA
				Benzo(a)anthracene	790	12
				Benzo(a)pyrene	750	1.3
				Benzo(b)fluoranthene	1300	NA
				Benzo(g,h,i)perylene	690	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-9A (cont.)	R2-9	0	6	Benzo(k)fluoranthene	430	NA
				Benzo[b]triphenylene	160	NA
				Bis(2-ethylhexyl)phthalate	330	199.5
				Butylbenzylphthalate	30	NA
				Carbazole	64	NA
				Chloroxylenol	280	NA
				Chrysene	970	NA
				D-Homoestra-1,3,5(10),14-tetraen-17-one, 3-metho	220	NA
				Dibenzo(a,h)anthracene	330	NA
				Dibenzofuran	23	NA
				Di-n-butylphthalate	330	NA
				Equilenin	150	NA
				Fenthion	220	NA
				Fluoranthene	1900	1020
				Fluorene	47	NA
				Hexadecanoic acid, 4-nitrophenyl ester	640	NA
				Indeno(1,2,3-cd)pyrene	690	NA
				Indeno[1,2,3-cd]fluoranthene	260	NA
				Isoquinoline, 1,2,3,4-tetrahydro-7-methoxy-2-met	260	NA
				Naphthalene	34	30
				Naphthalene, 2-phenyl-	320	NA
				Perylene	580	NA
				Phenanthrene	640	NA
				Phenanthrene, 1-methyl-	180	NA
				Phenanthrene, 2,5-dimethyl-	490	NA
				Phenanthrene, 3,6-dimethyl-	270	NA
				Phenol	30	0.5
				Polycyclic hydrocarbon	*140*	NA
				Polycyclic hydrocarbon	*210*	NA
				p-Terphenyl	200	NA
				Pyrene	1600	961
				Pyrene, 2-methyl-	200	NA
				Total Alkanes	3000	NA
R2-9B	R2-9	6	12	11,12-Dibromo-tetradecan-1-ol acetate	220	NA
				11H-Benzo[b]fluorene	*330*	NA
				11H-Benzo[b]fluorene	*360*	NA
				1-Mercapto-2-heptadecanone	450	NA
				2,5,5,6,1a-Pentamethyl-trans-1a,4a,5,6,7,8-hexah	350	NA
				2,8-Dimethyldibenzo(B,D)thiophene	300	NA
				2-Dodecen-1-yl(-)succinic anhydride	390	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorop	290	NA
				2-Methylnaphthalene	17	NA
				4-Methylphenol	36	NA
				9H-Fluorene, 9,9-dimethyl-	170	NA
				Acenaphthene	19	140
				Acenaphthylene	17	NA
				Acetophenone	330	NA
				Anthracene	41	107
				Anthracene, 9-methyl-	180	NA
				Benzaldehyde	110	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-9B (cont.)	R2-9	6	12	Benzo(a)anthracene	330	12
				Benzo(a)pyrene	370	1.3
				Benzo(b)fluoranthene	610	NA
				Benzo(g,h,i)perylene	330	NA
				Benzo(k)fluoranthene	330	NA
				Benzo[c]phenanthrene	640	NA
				Bis(2-ethylhexyl)phthalate	340	199.5
				Butylbenzylphthalate	41	NA
				Carbazole	34	NA
				Chloroxylenol	300	NA
				Chrysene	470	NA
				Dibenzo(a,h)anthracene	330	NA
				Dibenzo[def,mno]chrysene	300	NA
				Dibenzofuran	16	NA
				Di-n-butylphthalate	330	NA
				E,E,Z-1,3,12-Nonadecatriene-5,14-diol	420	NA
				Fluoranthene	800	1020
				Fluorene	32	NA
				Indeno(1,2,3-cd)pyrene	370	NA
				Naphthalene	26	30
				Perylene	180	NA
				Phenanthrene	310	NA
				Phenanthrene, 2,3-dimethyl-	490	NA
				Phenanthrene, 2,7-dimethyl-	320	NA
				Phenol	40	0.5
				Polycyclic hydrocarbon	*190*	NA
				Polycyclic hydrocarbon	*190*	NA
				Polycyclic hydrocarbon	*190*	NA
				Polycyclic hydrocarbon	*200*	NA
				Polycyclic hydrocarbon	*230*	NA
				Polycyclic hydrocarbon	*280*	NA
				Polycyclic hydrocarbon	*320*	NA
				Polycyclic hydrocarbon	*340*	NA
				Polycyclic hydrocarbon	*350*	NA
				Pyrene	750	961
				Total Alkanes	6400	NA
				Tributyl phosphate	350	NA
				Unsaturated Hydrocarbon	470	NA
R2-9C	R2-9	18	24	(1s,2E,4s,5R,7E,11E)-Cembra-2,7,11-trien-4,5-dio	910	NA
				1,1'-Biphenyl, 2,2',3,4-tetrachloro-	590	NA
				1,1'-Biphenyl, 2,3,3'-trichloro-	1000	NA
				1,1'-Biphenyl, 4,4'-dichloro-	650	NA
				1H-3a,7-Methanoazulene, octahydro-1,4,9,9-tetram	650	NA
				1H-Benzocyclohepten-7-ol, 2,3,4,4a,5,6,7,8-octah	840	NA
				1-Nonadecene	690	NA
				2(1H)-Benzocyclooctenone, decahydro-10a-methyl-,	590	NA
				2(1H)-Naphthalenone, octahydro-4a-methyl-7-(1-me	840	NA
				28-Nor-17.alpha.(H)-hopane	520	NA
				2-Dodecen-1-yl(-)succinic anhydride	*640*	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-9C (cont.)	R2-9	18	24	*2-Dodecen-1-yl(-)succinic anhydride*	*1200*	NA
				2-Dodecen-1-yl(-)succinic anhydride	*1400*	NA
				2-Methylnaphthalene	36	NA
				2-Methylphenol	18	NA
				3-Eicosene, (E)-	2000	NA
				3H-3,10a-Methano-1,2-benzodioxocin-3-ol, octahyd	1500	NA
				4a,7,7,10a-Tetramethyldodecahydrobenzo[f]chrome	490	NA
				4-Methylphenol	60	NA
				Acenaphthene	29	140
				Acenaphthylene	24	NA
				Acetophenone	330	NA
				Anthracene	76	107
				Azulene, 7-ethyl-1,4-dimethyl-	1300	NA
				Benzaldehyde	86	NA
				Benzo(a)anthracene	300	12
				Benzo(a)pyrene	330	1.3
				Benzo(b)fluoranthene	420	NA
				Benzo(g,h,i)perylene	330	NA
				Benzo(k)fluoranthene	330	NA
				Bis(2-ethylhexyl)phthalate	720	199.5
				Carbazole	34	NA
				Chrysene	390	NA
				Dibenzo(a,h)anthracene	330	NA
				Dibenzofuran	17	NA
				Di-n-butylphthalate	320	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	*720*	NA
				E-11,13-Dimethyl-12-tetradecen-1-ol acetate	*750*	NA
				erythro-7,8-Bromochlorodisparlure	980	NA
				Fluoranthene	660	1020
				Fluorene	47	NA
				Indeno(1,2,3-cd)pyrene	330	NA
				Muurolane-B	870	NA
				Naphthalene	42	30
				Phenanthrene	350	NA
				Phenanthrene, 9-dodecyltetradecahydro-	810	NA
				Phenol	360	0.5
				Polycyclic hydrocarbon	*550*	NA
				Polycyclic hydrocarbon	*770*	NA
				Pyrene	750	961
				Spiro[4.5]decan-7-one, 1,8-dimethyl-8,9-epoxy-4-	1600	NA
				Total Alkanes	18000	NA
				Unknown oxyhydrocarbon	*490*	NA
				Unknown oxyhydrocarbon	*670*	NA
				Unknown oxyhydrocarbon	*910*	NA
				Unsaturated Hydrocarbon	600	NA
R3-10A	R3-10	0	6	2-Methylnaphthalene	61	NA
				9,10-Anthracenedione	600	NA
				Acenaphthene	210	140

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-10A (cont.)	R3-10	0	6	Acenaphthylene	41	NA
				Acetophenone	1300	NA
				Anthracene	390	107
				Benzaldehyde	91	NA
				Benzo(a)anthracene	1600	12
				Benzo(a)pyrene	1300	1.3
				Benzo(b)fluoranthene	2100	NA
				Benzo(g,h,i)perylene	1200	NA
				Benzo(k)fluoranthene	620	NA
				Benzo[e]pyrene	1000	NA
				Bis(2-ethylhexyl)phthalate	1300	199.5
				Butylbenzylphthalate	97	NA
				Carbazole	320	NA
				Chrysene	1700	NA
				Dibenzo(a,h)anthracene	280	NA
				Dibenzofuran	160	NA
				Di-n-butylphthalate	1300	NA
				Fluoranthene	4300	1020
				Fluorene	200	NA
				Indeno(1,2,3-cd)pyrene	1200	NA
				Naphthalene	150	30
				Phenanthrene	2700	NA
				Phenol	50	0.5
				Polycyclic hydrocarbon	710	NA
				p-Terphenyl	530	NA
				Pyrene	3400	961
				Pyrene, 1-methyl-	530	NA
				Total Alkanes	890	NA
R3-10B	R3-10	6	12	11H-Benzo[a]fluorene	450	NA
				2-Methylnaphthalene	38	NA
				4H-Cyclopenta[def]phenanthrene	460	NA
				Acenaphthene	120	140
				Acenaphthylene	46	NA
				Acetophenone	1100	NA
				Anthracene	190	107
				Benz[a]anthracene, 1,12-dimethyl-	670	NA
				Benzaldehyde	73	NA
				Benzo(a)anthracene	1100	12
				Benzo(b)fluoranthene	1500	NA
				Benzo(g,h,i)perylene	830	NA
				Benzo(k)fluoranthene	580	NA
				Benzo[c]phenanthrene	1700	NA
				Benzo[e]pyrene	800	NA
				Benzo[j]fluoranthene	760	NA
				Bis(2-ethylhexyl)phthalate	1100	199.5
				Butylbenzylphthalate	64	NA
				Carbazole	130	NA
				Chrysene	1400	NA
				Dibenzo(a,h)anthracene	190	NA
				Dibenzofuran	59	NA
				Fluoranthene	2300	1020
				Fluoranthene, 2-methyl-	630	NA
				Fluorene	120	NA
				Indeno(1,2,3-cd)pyrene	880	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-10B (cont.)	R3-10	6	12	Naphthalene	61	30
				Phenanthrene	1400	NA
				Phenol	35	0.5
				Pyrene	2300	961
				Pyrene, 1-methyl-	500	NA
R3-10C	R3-10	18	24	1,1'-Biphenyl, 2,2',5-trichloro-	140	NA
				1,1'-Biphenyl, 2,3,3'-trichloro-	91	NA
				1,1'-Biphenyl, trichloro-	120	NA
				2-Methylnaphthalene	9.9	NA
				2-Undecanone, 6,10-dimethyl-	170	NA
				3-Methyl-1-(phenylthio)butan-2-one	99	NA
				4-Methylphenol	13	NA
				Acenaphthene	14	140
				Acetophenone	210	NA
				Anthracene	26	107
				Anthracene, 9-(2-propenyl)-	110	NA
				Benzaldehyde	71	NA
				Benzo(a)anthracene	120	12
				Benzo(a)pyrene	120	1.3
				Benzo(b)fluoranthene	170	NA
				Benzo(g,h,i)perylene	110	NA
				Benzo(k)fluoranthene	56	NA
				Benzo[j]fluoranthene	190	NA
				Benzoic acid, 2,4-dimethyl-	130	NA
				Benzoic acid, 2-amino-4-nitro-	710	NA
				Bis(2-ethylhexyl) maleate	140	NA
				Bis(2-ethylhexyl)phthalate	210	199.5
				Carbazole	8.8	NA
				Chrysene	150	NA
				Dibenzo(a,h)anthracene	26	NA
				Dibenzofuran	7.2	NA
				Diethylphthalate	7.1	NA
				Di-n-butylphthalate	210	NA
				Diphenylethyne	92	NA
				Fluoranthene	310	1020
				Fluorene	18	NA
				I-22,23-Dihydrostigmasterol	110	NA
				Indeno(1,2,3-cd)pyrene	110	NA
				Naphthalene	14	30
				n-Hexadecanoic acid	94	NA
				Olean-12-ene	83	NA
				Phenanthrene	140	NA
				Phenol	240	0.5
				Polycyclic hydrocarbon	*92*	NA
				Polycyclic hydrocarbon	*110*	NA
				Pyrene	270	961
				Total Alkanes	850	NA
				Unknown aromatic	*87*	NA
				Unknown aromatic	*610*	NA
R3-11A	R3-11	0	6	1,1'-Biphenyl	47	NA
				1,1'-Biphenyl, 2,2',3,4-tetrachloro-	1200	NA
				1,1'-Biphenyl, 2,3',4,5,5'-pentachloro-	1100	NA
				1,1'-Biphenyl, 2,3',4',5-tetrachloro-	1000	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-11A (cont.)	R3-11	0	6	*1,1'-Biphenyl, 2,3',5,5'-tetrachloro-*	*910*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*1300*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*1600*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*2800*	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	2500	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	4400	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	1700	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*1000*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*1400*	NA
				1,1'-Biphenyl, trichloro-	*1100*	NA
				1,1'-Biphenyl, trichloro-	*4700*	NA
				1,1'-Biphenyl, trichloro-	*5000*	NA
				1-Cyclohexene-1-glyoxylamide, N-1-naphthyl-	990	NA
				2,4,5,5,8a-Pentamethyl-6,7,8,8a-tetrahydro-5H-ch	1500	NA
				2-Methylnaphthalene	120	NA
				4,8-Dimethyl-4Z,8E-tetracosadienal	1300	NA
				4H-Cyclopenta[def]phenanthrene	1700	NA
				4-Methylphenol	81	NA
				5,6-Dihydrochrysene	1300	NA
				5,6-Dimethyl-4-phenyl-3-cyanopyridine-2(1H)-thio	1200	NA
				Acenaphthene	180	140
				Acenaphthylene	170	NA
				Acetophenone	1300	NA
				Anthracene	300	107
				Benz[a]anthracene, 8-methyl-	920	NA
				Benzaldehyde	110	NA
				Benzo(a)anthracene	1700	12
				Benzo(a)pyrene	1600	1.3
				Benzo(b)fluoranthene	2300	NA
				Benzo(g,h,i)perylene	1400	NA
				Benzo(k)fluoranthene	870	NA
				Benzo[b]naphtho[2,3-d]thiophene, 6-methyl-	960	NA
				Benzo[j]fluoranthene	1700	NA
				Bis(2-ethylhexyl)phthalate	1500	199.5
				Carbazole	110	NA
				Chrysene	2100	NA
				Dibenzo(a,h)anthracene	350	NA
				Dibenzofuran	93	NA
				Diboron(.mu.-selenium)diethylbis[.mu.-(1H-pyrazo	920	NA
				Fluoranthene	4400	1020
				Fluorene	170	NA
				Indeno(1,2,3-cd)pyrene	1400	NA
				Indeno[1,2,3-cd]fluoranthene	1800	NA
				Naphthalene	170	30
				Naphthalene, 2,3,6-trimethyl-	1500	NA
				Phenanthrene	1300	NA
				Phenanthrene, 2,5-dimethyl-	1300	NA
				Phenanthrene, 3,6-dimethyl-	1000	NA
				Phenol	64	0.5
				Pyrene	3600	961

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-11A (cont.)	R3-11	0	6	threo-7,8-Bromochlorodisparlure	1400	NA
				Total Alkanes	20000	NA
R3-11B	R3-11	6	12	1,1'-Biphenyl	190	NA
				1,1'-Biphenyl, 2,2',3,4-tetrachloro-	3400	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	4900	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	15000	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*3500*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*3900*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*6200*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	5100	NA
				1,1'-Biphenyl, trichloro-	*3400*	NA
				1,1'-Biphenyl, trichloro-	*6200*	NA
				1,1'-Biphenyl, trichloro-	*12000*	NA
				1,1'-Biphenyl, trichloro-	*13000*	NA
				11H-Benzo[b]fluorene	2900	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	4100	NA
				1-Pentadecene	3000	NA
				1-Tetradecene	3200	NA
				2-Methylnaphthalene	620	NA
				3,4-Dichlorophenylsuccinic acid	3000	NA
				4H-Cyclopenta[def]phenanthrene	3600	NA
				4-Methylphenol	360	NA
				9,10-Dimethylanthracene	3400	NA
				Acenaphthene	1200	140
				Acenaphthylene	630	NA
				Anthracene	2600	107
				Benzaldehyde	210	NA
				Benzo(a)anthracene	5700	12
				Benzo(a)pyrene	4800	1.3
				Benzo(b)fluoranthene	6400	NA
				Benzo(g,h,i)perylene	3600	NA
				Benzo(k)fluoranthene	2400	NA
				Bis(2-ethylhexyl)phthalate	6300	199.5
				Carbazole	390	NA
				Chrysene	6400	NA
				Chrysene, 6-methyl-	3300	NA
				Dibenzo(a,h)anthracene	950	NA
				Dibenzofuran	600	NA
				Fluoranthene	13000	1020
				Fluorene	2500	NA
				Indeno(1,2,3-cd)pyrene	3900	NA
				Indeno[1,2,3-cd]fluoranthene	3700	NA
				Naphthalene	560	30
				Naphthalene, 2,3-dimethyl-	4400	NA
				Perylene	3800	NA
				Phenanthrene	7100	NA
				Phenol	150	0.5
				Polycyclic hydrocarbon	*3500*	NA
				Polycyclic hydrocarbon	*3700*	NA
				Polycyclic hydrocarbon	*5400*	NA
				Pyrene	14000	961
				Total Alkanes	120000	NA
				Unknown aromatic	3800	NA
				Unsaturated Hydrocarbon	3600	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-11C	R3-11	18	24	.beta.-Methylionone	1200	NA
				1,1'-Biphenyl, 2,3',4',5-tetrachloro-	1200	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	840	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	2000	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	1100	NA
				1,1'-Biphenyl, pentachloro-	870	NA
				1,1'-Biphenyl, trichloro-	*870*	NA
				1,1'-Biphenyl, trichloro-	*1600*	NA
				1,1'-Biphenyl, trichloro-	*2900*	NA
				11H-Benzo[b]fluorene	*880*	NA
				11H-Benzo[b]fluorene	*1100*	NA
				1H-Indene, 1,1'-(1,2-	690	NA
				2,2,6-Trimethyl-1-(2-methyl-cyclobut-2-enyl)-hep	870	NA
				2-Methylnaphthalene	99	NA
				4-Hexenoic acid, 2-acetyl-2,5-dimethyl-, ethyl e	610	NA
				4'-Methoxy-2-hydroxystilbene	640	NA
				4-Methylphenol	120	NA
				6H-Cyclobuta[jk]phenanthrene	690	NA
				6-Isopropenyl-4,8a-dimethyl-4a,5,6,7,8,8a-hexahy	880	NA
				Acenaphthene	170	140
				Acenaphthylene	130	NA
				Acetophenone	1000	NA
				Anthracene	320	107
				Anthracene, 9-methyl-	*620*	NA
				Anthracene, 9-methyl-	*830*	NA
				Atheroline, O-ethyl-	720	NA
				Benzaldehyde	99	NA
				Benzo(a)anthracene	1100	12
				Benzo(a)pyrene	900	1.3
				Benzo(b)fluoranthene	1300	NA
				Benzo(g,h,i)perylene	820	NA
				Benzo(k)fluoranthene	460	NA
				Bis(2-ethylhexyl)phthalate	1000	199.5
				Carbazole	96	NA
				Chrysene	1200	NA
				Chrysene, 1-methyl-	590	NA
				Dibenzo(a,h)anthracene	220	NA
				Dibenzofuran	89	NA
				Fluoranthene	3000	1020
				Fluorene	280	NA
				Indeno(1,2,3-cd)pyrene	840	NA
				N-(4-Methoxyphenyl)-2-hydroxyimino-acetamide	630	NA
				Naphthalene	130	30
				Naphthalene, 2,3,6-trimethyl-	700	NA
				Naphthalene, 2,3-dimethyl-	760	NA
				Perylene	1000	NA
				Phenanthrene	1100	NA
				Phenanthrene, 2,5-dimethyl-	1200	NA
				Phenol	580	0.5
				Polycyclic hydrocarbon	*600*	NA
				Polycyclic hydrocarbon	*750*	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-11C (cont.)	R3-11	18	24	*Polycyclic hydrocarbon*	*860*	NA
				Polycyclic hydrocarbon	*950*	NA
				Pyrene	2400	961
				Total Alkanes	16000	NA
R3-1A	R3-1	0	6	1,1'-Biphenyl	91	NA
				11H-Benzo[b]fluorene	1000	NA
				2-Methylnaphthalene	380	NA
				3,4-Biphenyldicarbonitrile	1100	NA
				4-Methylphenol	94	NA
				4-Nonylphenol	2500	NA
				9,10-Anthracenedione	3100	NA
				9H-Fluoren-9-one	1000	NA
				Acenaphthene	1500	140
				Acenaphthylene	110	NA
				Anthracene	2200	107
				Anthracene, 2-methyl-	*1600*	NA
				Anthracene, 2-methyl-	*2200*	NA
				Anthracene, 9-methyl-	1000	NA
				Benzaldehyde	130	NA
				Benzene, 1-(1,1-dimethylethyl)-4-methoxy-	1100	NA
				Benzo(a)anthracene	7900	12
				Benzo(a)pyrene	5900	1.3
				Benzo(b)fluoranthene	8600	NA
				Benzo(g,h,i)perylene	3700	NA
				Benzo(k)fluoranthene	3700	NA
				Benzo[b]triphenylene	*1000*	NA
				Benzo[b]triphenylene	*1200*	NA
				Benzo[e]pyrene	1100	NA
				Bis(2-ethylhexyl)phthalate	2300	199.5
				Carbazole	1900	NA
				Chrysene	7800	NA
				Chrysene, 1-methyl-	1100	NA
				Dibenzo(a,h)anthracene	920	NA
				Dibenzo[def,mno]chrysene	1100	NA
				Dibenzofuran	1100	NA
				Dibenzofuran, 4-methyl-	1000	NA
				Dibenzothiophene	1000	NA
				Di-n-butylphthalate	2300	NA
				Fluoranthene	18000	1020
				Fluoranthene, 2-methyl-	1800	NA
				Fluorene	1700	NA
				Indeno(1,2,3-cd)pyrene	4300	NA
				Naphthalene	960	30
				o-Terphenyl	1200	NA
				Perylene	4300	NA
				Phenanthrene	17000	NA
				Phenanthrene, 2,5-dimethyl-	990	NA
				Phenol	85	0.5
				Phenol, 4-(1,1,3,3-tetramethylbutyl)-	*1200*	NA
				Phenol, 4-(1,1,3,3-tetramethylbutyl)-	*2400*	NA
				Phenol, 4-(1,1,3,3-tetramethylbutyl)-	*2500*	NA
				Phenol, 4-(1,1-dimethylethyl)-2-methyl-	1900	NA
				Phenol, 4,4'-(1-methylethylidene)bis-	1000	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-1A (cont.)	R3-1	0	6	Phenol, nonyl-	1800	NA
				Pyrene	18000	961
				Pyrene, 1-methyl-	*1000*	NA
				Pyrene, 1-methyl-	*1200*	NA
				Triphenylene	1600	NA
R3-1B	R3-1	6	12	2-Methylnaphthalene	670	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	4200	NA
				4H-Cyclopenta[def]phenanthrene	8200	NA
				9,10-Anthracenedione	6800	NA
				Acenaphthene	5100	140
				Anthracene	11000	107
				Anthracene, 2-methyl-	*3900*	NA
				Anthracene, 2-methyl-	*4800*	NA
				Benzo(a)anthracene	22000	12
				Benzo(a)pyrene	20000	1.3
				Benzo(b)fluoranthene	27000	NA
				Benzo(g,h,i)perylene	13000	NA
				Benzo(k)fluoranthene	9500	NA
				Benzo[e]pyrene	4400	NA
				Benzo[j]fluoranthene	13000	NA
				Bis(2-ethylhexyl)phthalate	9200	199.5
				Carbazole	5700	NA
				Chrysene	23000	NA
				Dibenzo(a,h)anthracene	2800	NA
				Dibenzofuran	2500	NA
				Fluoranthene	53000	1020
				Fluorene	4700	NA
				Indeno(1,2,3-cd)pyrene	15000	NA
				Naphthalene	1800	30
				Phenanthrene	44000	NA
				Pyrene	49000	961
				Triphenylene	6300	NA
R3-1C	R3-1	18	24	1,1'-Biphenyl	77	NA
				1H-Indene, 2-methyl-3-phenyl-	780	NA
				2-Methylnaphthalene	380	NA
				4H-Cyclopenta[def]phenanthrene	1200	NA
				4-Methylphenol	85	NA
				4-Pyridinepropanoic acid, .alpha.-amino-.beta.-h	1500	NA
				9,10-Anthracenedione	1500	NA
				Acenaphthene	570	140
				Acenaphthylene	83	NA
				Acetophenone	1600	NA
				Anthracene	900	107
				Anthracene, 2-methyl-	990	NA
				Anthracene, 9-methyl-	950	NA
				Benzaldehyde	120	NA
				Benzo(a)anthracene	2500	12
				Benzo(a)pyrene	2200	1.3
				Benzo(b)fluoranthene	2800	NA
				Benzo(g,h,i)perylene	1200	NA
				Benzo(k)fluoranthene	1100	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-1C (cont.)	R3-1	18	24	Benzo[e]pyrene	1500	NA
				Bis(2-ethylhexyl)phthalate	1600	199.5
				Carbazole	620	NA
				Chrysene	2800	NA
				Dibenzo(a,h)anthracene	280	NA
				Dibenzofuran	500	NA
				Fluoranthene	6500	1020
				Fluoranthene, 2-methyl-	1100	NA
				Fluorene	680	NA
				Indeno(1,2,3-cd)pyrene	1400	NA
				Naphthalene	520	30
				Phenanthrene	5900	NA
				Phenanthrene, 2,5-dimethyl-	690	NA
				Phenol	970	0.5
				Polycyclic hydrocarbon	650	NA
				Pyrene	6600	961
				Total Alkanes	710	NA
R3-2A	R3-2	0	6	1,1'-Biphenyl	160	NA
				11H-Benzo[a]fluorene	870	NA
				11H-Benzo[b]fluorene	610	NA
				11H-Indeno[2,1-a]phenanthrene	730	NA
				1-Phosphacyclopent-2-ene, 1,5-diphenyl-2,3-dimet	720	NA
				2-Methylnaphthalene	580	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	790	NA
				3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-hexahydro-1H-pyr	700	NA
				4,6'-Biazulenyl	1300	NA
				4H-Cyclopenta[def]phenanthrene	2400	NA
				4-Methylphenol	75	NA
				5,6-Dihydrochrysene	700	NA
				7H-Benz[de]anthracen-7-one	960	NA
				7H-Benzo[c]fluorene	660	NA
				9,10-Anthracenedione	2800	NA
				9H-Fluoren-9-one	890	NA
				Acenaphthene	2000	140
				Acenaphthylene	56	NA
				Acetophenone	1500	NA
				Anthracene	2600	107
				Anthracene, 2-methyl-	1800	NA
				Anthracene, 9-methyl-	1500	NA
				Benzaldehyde	68	NA
				Benzo(a)anthracene	7500	12
				Benzo(a)pyrene	5700	1.3
				Benzo(b)fluoranthene	8400	NA
				Benzo(g,h,i)perylene	3300	NA
				Benzo(k)fluoranthene	3600	NA
				Benzo[1,2-b:4,3-b']dithiophene, 1-phenyl-	800	NA
				Benzo[b]naphtho[2,3-d]thiophene	790	NA
				Benzo[c]phenanthrene	1500	NA
				Benzo[j]fluoranthene	920	NA
				Bis(2-ethylhexyl)phthalate	1500	199.5

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-2A (cont.)	R3-2	0	6	Carbazole	2200	NA
				Chrysene	7200	NA
				Dibenzo(a,h)anthracene	940	NA
				Dibenzofuran	1500	NA
				Dibenzofuran, 4-methyl-	630	NA
				Dibenzothiophene	930	NA
				Fluoranthene	16000	1020
				Fluoranthene, 2-methyl-	1200	NA
				Fluorene	1900	NA
				Indeno(1,2,3-cd)pyrene	4100	NA
				Indeno[1,2,3-cd]fluoranthene	*610*	NA
				Indeno[1,2,3-cd]fluoranthene	*930*	NA
				Naphthalene	1400	30
				Perylene	3600	NA
				Phenanthrene	16000	NA
				Phenanthrene, 2,3-dimethyl-	830	NA
				Phenanthrene, 2-methyl-	740	NA
				Phenol	62	0.5
				Pyrene	15000	961
R3-2B	R3-2	6	12	1,1'-Biphenyl	500	NA
				11H-Benzo[b]fluorene	3100	NA
				2-Methylnaphthalene	1800	NA
				4H-Cyclopenta[def]phenanthrene	9900	NA
				9,10-Anthracenedione	6300	NA
				Acenaphthene	5600	140
				Anthracene	8400	107
				Anthracene, 1-methyl-	4500	NA
				Anthracene, 2-methyl-	3600	NA
				Benzo(a)anthracene	17000	12
				Benzo(a)pyrene	12000	1.3
				Benzo(b)fluoranthene	17000	NA
				Benzo(g,h,i)perylene	7900	NA
				Benzo(k)fluoranthene	6900	NA
				Benzo[b]triphenylene	2600	NA
				Bis(2-ethylhexyl)phthalate	5700	199.5
				Carbazole	5600	NA
				Chrysene	15000	NA
				Dibenzo(a,h)anthracene	2000	NA
				Dibenzo[def,mno]chrysene	2400	NA
				Dibenzofuran	3900	NA
				Dibenzothiophene	2300	NA
				Fluoranthene	41000	1020
				Fluorene	5900	NA
				Indeno(1,2,3-cd)pyrene	9100	NA
				Indeno[1,2,3-cd]fluoranthene	3000	NA
				Naphthalene	6500	30
				Perylene	*3100*	NA
				Perylene	*8200*	NA
				Phenanthrene	46000	NA
				Pyrene	33000	961
R3-2C	R3-2	18	24	[2,2']Biadamantanylidene	590	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	680	NA
				11H-Benzo[b]fluorene	900	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-2C (cont.)	R3-2	18	24	11-Tricosene	900	NA
				2-Methylnaphthalene	41	NA
				4H-Cyclopenta[def]phenanthrene	660	NA
				4-Methylphenol	54	NA
				Acenaphthene	78	140
				Acetophenone	1300	NA
				Anthracene	190	107
				Benzaldehyde	90	NA
				Benzo(a)anthracene	680	12
				Benzo(a)pyrene	620	1.3
				Benzo(b)fluoranthene	870	NA
				Benzo(g,h,i)perylene	480	NA
				Benzo(k)fluoranthene	300	NA
				Bis(2-ethylhexyl)phthalate	1300	199.5
				Carbazole	69	NA
				Chrysene	750	NA
				Dibenzo(a,h)anthracene	120	NA
				Dibenzofuran	53	NA
				Fluoranthene	1800	1020
				Fluorene	140	NA
				Indeno(1,2,3-cd)pyrene	460	NA
				Naphthalene	64	30
				o-Terphenyl	770	NA
				Phenanthrene	1100	NA
				Phenanthrene, 2,5-dimethyl-	520	NA
				Phenol	370	0.5
				Polycyclic hydrocarbon	1100	NA
				Pyrene	1800	961
				Total Alkanes	10000	NA
R3-3A	R3-3	0	6	[1,1'-Biphenyl]-2-carbonitrile	5500	NA
				1,1'-Biphenyl	1400	NA
				11H-Benzo[b]fluorene	*4900*	NA
				11H-Benzo[b]fluorene	*5800*	NA
				2-Methylnaphthalene	4600	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	6800	NA
				3-Methylcholanthrene	5200	NA
				4H-Cyclopenta[def]phenanthrene	24000	NA
				9,10-Anthracenedione	24000	NA
				9H-Fluoren-9-one	9200	NA
				9H-Fluorene, 2-methyl-	6300	NA
				Acenaphthene	16000	140
				Anthracene	30000	107
				Anthracene, 2-methyl-	*8400*	NA
				Anthracene, 2-methyl-	*13000*	NA
				Benzo(a)anthracene	47000	12
				Benzo(a)pyrene	31000	1.3
				Benzo(b)fluoranthene	42000	NA
				Benzo(g,h,i)perylene	17000	NA
				Benzo(k)fluoranthene	17000	NA
				Benzo[b]naphtho[2,1-d]thiophene	4400	NA
				Benzo[b]triphenylene	4200	NA
				Benzo[e]pyrene	*7200*	NA
				Benzo[e]pyrene	*19000*	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-3A (cont.)	R3-3	0	6	Bis(2-ethylhexyl)phthalate	11000	199.5
				Carbazole	21000	NA
				Chrysene	43000	NA
				Cyclopenta(def)phenanthrenone	5600	NA
				Dibenzo(a,h)anthracene	4900	NA
				Dibenzo[def,mno]chrysene	4400	NA
				Dibenzofuran	13000	NA
				Dibenzofuran, 4-methyl-	*4400*	NA
				Dibenzofuran, 4-methyl-	*6800*	NA
				Dibenzothiophene	11000	NA
				Fluoranthene	130000	1020
				Fluorene	19000	NA
				Indeno(1,2,3-cd)pyrene	20000	NA
				Naphthalene	8600	30
				Phenanthrene	160000	NA
				Phenanthrene, 1-methyl-	4700	NA
				Phenanthrene, 2,3-dimethyl-	7000	NA
				Phenanthrene, 2-methyl-	19000	NA
				Pyrene	100000	961
				Pyrene, 1-methyl-	9700	NA
R3-3B	R3-3	6	12	*1,1'-Biphenyl, 2,4',5-trichloro-*	*820*	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	*1200*	NA
				1,1'-Biphenyl, trichloro-	870	NA
				15-Isobutyl-(13alphah)-isocopalane	880	NA
				1-Hexacosene	840	NA
				28-Nor-17.alpha.(H)-hopane	820	NA
				2-Methylnaphthalene	47	NA
				4H-Cyclopenta[def]phenanthrene	610	NA
				4-Methylphenol	40	NA
				Acenaphthene	90	140
				Acenaphthylene	61	NA
				Acetophenone	1300	NA
				Anthracene	190	107
				Benzaldehyde	90	NA
				Benzo(a)anthracene	840	12
				Benzo(a)pyrene	830	1.3
				Benzo(b)fluoranthene	1200	NA
				Benzo(g,h,i)perylene	700	NA
				Benzo(k)fluoranthene	490	NA
				Benzo[j]fluoranthene	910	NA
				Bis(2-ethylhexyl)phthalate	1300	199.5
				Carbazole	63	NA
				Chrysene	1100	NA
				Dibenzo(a,h)anthracene	130	NA
				Dibenzofuran	51	NA
				Fluoranthene	2300	1020
				Fluoranthene, 2-methyl-	770	NA
				Fluorene	130	NA
				Indeno(1,2,3-cd)pyrene	640	NA
				Naphthalene	81	30
				Naphthalene, 1,4-dihydro-1-(diphenylmethylene)-5	620	NA
				Naphthalene, 2-(phenylmethyl)-	890	NA
				o-Terphenyl	770	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-3B (cont.)	R3-3	6	12	Perylene	910	NA
				Phenanthrene	1100	NA
				Polycyclic hydrocarbon	*590*	NA
				Polycyclic hydrocarbon	*610*	NA
				Polycyclic hydrocarbon	*710*	NA
				Pyrene	2200	961
				Pyrene, 1-methyl-	540	NA
				Total Alkanes	5500	NA
				Triphenylene	590	NA
				Unknown oxyhydrocarbon	640	NA
R3-3C	R3-3	18	24	1,1'-Biphenyl	15	NA
				1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	350	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	1000	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	860	NA
				1,1'-Biphenyl, 2,4,6-trichloro-	430	NA
				1,1'-Biphenyl, 2-chloro-	1100	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*440*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*1200*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*2700*	NA
				1,1'-Biphenyl, trichloro-	*380*	NA
				1,1'-Biphenyl, trichloro-	*710*	NA
				11H-Benzo[b]fluorene	460	NA
				2,5-Methano-2H-thieno[3,2-b]thiopyran-8-ol, hexa	540	NA
				2-Methylnaphthalene	56	NA
				2-Methylphenol	8.9	NA
				2-Thiazolemethanol, .alpha.-phenyl-	740	NA
				4-Methylphenol	87	NA
				Acenaphthene	82	140
				Acenaphthylene	59	NA
				Acetophenone	300	NA
				Anthracene	190	107
				Benzaldehyde	93	NA
				Benzo(a)anthracene	700	12
				Benzo(a)pyrene	700	1.3
				Benzo(b)fluoranthene	1100	NA
				Benzo(g,h,i)perylene	520	NA
				Benzo(k)fluoranthene	400	NA
				Benzo[j]fluoranthene	620	NA
				Bis(2-ethylhexyl)phthalate	810	199.5
				Carbazole	45	NA
				Cholestane	410	NA
				Chrysene	850	NA
				Dibenzo(a,h)anthracene	120	NA
				Dibenzofuran	62	NA
				Di-n-butylphthalate	300	NA
				Fluoranthene	1800	1020
				Fluorene	150	NA
				Indeno(1,2,3-cd)pyrene	550	NA
				Isoquinoline, 1,2,3,4-tetrahydro-7-methoxy-2-met	740	NA
				Naphthalene	70	30
				Naphthalene, 1,7-dimethyl-	390	NA
				Naphthalene, decahydro-2-methyl-	330	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-3C (cont.)	R3-3	18	24	Phenanthrene	1100	NA
				Phenol	950	0.5
				Polycyclic hydrocarbon	*310*	NA
				Polycyclic hydrocarbon	*330*	NA
				Polycyclic hydrocarbon	*330*	NA
				Polycyclic hydrocarbon	*470*	NA
				Pyrene	2000	961
				Total Alkanes	12000	NA
				Unknown aromatic	320	NA
				Unknown oxyhydrocarbon	380	NA
R3-4A	R3-4	0	6	1,1'-Biphenyl	310	NA
				11H-Benzo[a]fluorene	2100	NA
				2-Methylnaphthalene	840	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	3800	NA
				4H-Cyclopenta[def]phenanthrene	6300	NA
				7H-Benzo[c]fluorene	2500	NA
				9,10-Anthracenedione	6400	NA
				Acenaphthene	3500	140
				Acenaphthylene	170	NA
				Anthracene	4900	107
				Anthracene, 1-methyl-	4300	NA
				Anthracene, 2-methyl-	3700	NA
				Benzo(a)anthracene	14000	12
				Benzo(a)pyrene	12000	1.3
				Benzo(b)fluoranthene	17000	NA
				Benzo(g,h,i)perylene	6700	NA
				Benzo(k)fluoranthene	7200	NA
				Benzo[e]pyrene	8600	NA
				Bis(2-ethylhexyl)phthalate	5300	199.5
				Carbazole	4600	NA
				Chrysene	18000	NA
				Cyclopenta(def)phenanthrenone	2400	NA
				Dibenzo(a,h)anthracene	1800	NA
				Dibenzo[def,mno]chrysene	*2200*	NA
				Dibenzo[def,mno]chrysene	*4500*	NA
				Dibenzofuran	3200	NA
				Dibenzothiophene	2300	NA
				Fluoranthene	40000	1020
				Fluorene	4000	NA
				Indeno(1,2,3-cd)pyrene	8400	NA
				Indeno[1,2,3-cd]fluoranthene	2800	NA
				Naphthalene	3000	30
				Perylene	2100	NA
				Phenanthrene	34000	NA
				Pyrene	33000	961
R3-4B	R3-4	6	12	1,1'-Biphenyl	77	NA
				1,1'-Biphenyl, trichloro-	980	NA
				1H-Indene, 2-phenyl-	960	NA
				2,2'-Bi-1H-indene	750	NA
				2H-1-Benzopyran, 2,2-diphenyl-	940	NA
				2-Methylnaphthalene	280	NA
				2-Phenylnaphthalene	920	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-4B (cont.)	R3-4	6	12	3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	2200	NA
				3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-hexahydro-1H-pyr	600	NA
				4H-Cyclopenta[def]phenanthrene	1900	NA
				9H-Fluorene, 9-(phenylmethylene)-	2000	NA
				Acenaphthene	1400	140
				Acenaphthylene	99	NA
				Acetophenone	1500	NA
				Anthracene	2100	107
				Anthracene, 2-methyl-	1100	NA
				Benz[j]aceanthrylene, 3-methyl-	650	NA
				Benzaldehyde	87	NA
				Benzo(a)anthracene	5400	12
				Benzo(a)pyrene	4000	1.3
				Benzo(b)fluoranthene	5800	NA
				Benzo(g,h,i)perylene	2400	NA
				Benzo(k)fluoranthene	1900	NA
				Benzo[b]naphtho[2,3-d]thiophene	710	NA
				Benzo[b]triphenylene	1000	NA
				Benzo[e]pyrene	4100	NA
				Bis(2-ethylhexyl)phthalate	1500	199.5
				Carbazole	990	NA
				Chrysene	5100	NA
				Cyclopenta(def)phenanthrenone	610	NA
				Dibenzo(a,h)anthracene	640	NA
				Dibenzo[def,mno]chrysene	1300	NA
				Dibenzofuran	750	NA
				Estra-1,3,5,7,9,15-hexaen-17-one, 3-methoxy-	910	NA
				Fluoranthene	11000	1020
				Fluorene	1300	NA
				Indeno(1,2,3-cd)pyrene	2900	NA
				Isoquinolinium methoxycarbonyl-ethoxycarbonyl-me	1100	NA
				Naphthalene	530	30
				Perylene	1000	NA
				Phenanthrene	9800	NA
				Phenanthrene, 2,5-dimethyl-	1000	NA
				Phenanthrene, 2-methyl-	1400	NA
				Phenol	51	0.5
				Polycyclic hydrocarbon	*600*	NA
				Polycyclic hydrocarbon	*750*	NA
				Polycyclic hydrocarbon	*790*	NA
				Polycyclic hydrocarbon	*810*	NA
				Polycyclic hydrocarbon	*1300*	NA
				Polycyclic hydrocarbon	*1300*	NA
				p-Terphenyl	*640*	NA
				Pyrene	11000	961
				Pyrene, 1-methyl-	*810*	NA
				Pyrene, 1-methyl-	*850*	NA
				Total Alkanes	2100	NA
R3-4C	R3-4	18	24	1,1'-Biphenyl	9.4	NA
				1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	180	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-4C (cont.)	R3-4	18	24	1,1'-Biphenyl, 2,3,4,5,6-pentachloro-	410	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	310	NA
				1,1'-Biphenyl, 2,4,6-trichloro-	310	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	320	NA
				1,1'-Biphenyl, trichloro-	*240*	NA
				1,1'-Biphenyl, trichloro-	*370*	NA
				1,4-Dimethyl-6-phenyl-naphthalene	170	NA
				11H-Benzo[b]fluorene	200	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	290	NA
				2-Methylnaphthalene	27	NA
				4-Methylphenol	34	NA
				6-Isopropylquinoline	280	NA
				Acenaphthene	58	140
				Acenaphthylene	45	NA
				Acetophenone	280	NA
				Anthracene	110	107
				Anthracene, 2-methyl-	270	NA
				Anthracene, 2-methyl-	350	NA
				Azulene, 7-ethyl-1,4-dimethyl-	200	NA
				Benzaldehyde	88	NA
				Benzo(a)anthracene	520	12
				Benzo(a)pyrene	490	1.3
				Benzo(b)fluoranthene	670	NA
				Benzo(g,h,i)perylene	350	NA
				Benzo(k)fluoranthene	280	NA
				Benzo[b]chrysene	200	NA
				Benzo[e]pyrene	360	NA
				Bis(2-ethylhexyl)phthalate	310	199.5
				Butylbenzylphthalate	15	NA
				Carbazole	50	NA
				Chlorinated aromatic	170	NA
				Chrysene	590	NA
				Chrysene, 2-methyl-	320	NA
				Dibenzo(a,h)anthracene	88	NA
				Dibenzofuran	28	NA
				Diisoamylene	300	NA
				Di-n-butylphthalate	280	NA
				Fluoranthene	1300	1020
				Fluorene	95	NA
				Indeno(1,2,3-cd)pyrene	380	NA
				Naphthalene	42	30
				Naphthalene, 2,3,6-trimethyl-	170	NA
				Octadecanoic acid, ethenyl ester	360	NA
				Perylene	470	NA
				Perylene, 3-methyl-	190	NA
				Phenanthrene	770	NA
				Phenanthrene, 2,5-dimethyl-	420	NA
				Phenol	560	0.5
				Polycyclic hydrocarbon	*180*	NA
				Polycyclic hydrocarbon	*270*	NA
				Pyrene	1200	961
				Total Alkanes	3300	NA
				Unknown aromatic	*170*	NA
				Unknown aromatic	*200*	NA
				Unknown oxyhydrocarbon	310	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-5A	R3-5	0	6	1,1'-Binaphthalene	1400	NA
				1,1'-Biphenyl	260	NA
				13H-Dibenzo[a,h]fluorene	1600	NA
				2,4-Dimethylphenol	35	NA
				2-Methylnaphthalene	1000	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	*580*	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	*1600*	NA
				3-Methylcholanthrene	1500	NA
				4H-Cyclopenta[def]phenanthrene	630	NA
				4-Methylphenol	69	NA
				9,10-Anthracenedione	670	NA
				9H-Fluoren-9-ol	1700	NA
				9H-Fluoren-9-one	1700	NA
				Acenaphthene	2500	140
				Acenaphthylene	150	NA
				Anthracene	4600	107
				Anthracene, 1-methyl-	4200	NA
				Anthracene, 2-methyl-	2900	NA
				Benz[j]aceanthrylene, 3-methyl-	*840*	NA
				Benz[j]aceanthrylene, 3-methyl-	*1300*	NA
				Benzaldehyde	130	NA
				Benzene, [1-(2,4-cyclopentadien-1-ylidene)ethyl]	660	NA
				Benzo(a)anthracene	12000	12
				Benzo(a)pyrene	9000	1.3
				Benzo(b)fluoranthene	13000	NA
				Benzo(g,h,i)perylene	6000	NA
				Benzo(k)fluoranthene	4000	NA
				Benzo[b]naphtho[2,1-d]thiophene	850	NA
				Benzo[b]naphtho[2,3-d]furan	800	NA
				Benzo[b]triphenylene	*1100*	NA
				Benzo[b]triphenylene	*2000*	NA
				Benzo[c]phenanthrene	1700	NA
				Benzo[e]pyrene	*1600*	NA
				Benzo[e]pyrene	*7500*	NA
				Benzo[j]fluoranthene	6200	NA
				Bis(2-ethylhexyl)phthalate	1000	199.5
				Carbazole	3700	NA
				Chrysene	13000	NA
				Cyclopenta(def)phenanthrenone	1800	NA
				Dibenzo(a,h)anthracene	1600	NA
				Dibenzo[def,mno]chrysene	1500	NA
				Dibenzofuran	2300	NA
				Dibenzofuran, 4-methyl-	830	NA
				Dibenzothiophene	1600	NA
				Fluoranthene	38000	1020
				Fluoranthene, 2-methyl-	*700*	NA
				Fluoranthene, 2-methyl-	*720*	NA
				Fluoranthene, 2-methyl-	*1300*	NA
				Fluorene	2400	NA
				Indeno(1,2,3-cd)pyrene	6800	NA
				Naphthalene	1600	30
				Naphthalene, 1,6-dimethyl-	730	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-5A (cont.)	R3-5	0	6	Naphthalene, 1-methyl-	570	NA
				Naphthalene, 2,3-dimethyl-	570	NA
				o-Terphenyl	820	NA
				Perylene	1800	NA
				Phenanthrene	34000	NA
				Phenanthrene, 2,5-dimethyl-	1700	NA
				Phenanthrene, 9-methyl-	1900	NA
				Phenol	67	0.5
				Phenol, 4-(1,1,3,3-tetramethylbutyl)-	1800	NA
				Phenol, 4,4'-(1-methylethylidene)bis-	1700	NA
				PNA, MW = 278	560	NA
				Polycyclic hydrocarbon	2100	NA
				Pyrene	25000	961
				Pyrene, 1,3-dimethyl-	860	NA
				Pyrene, 1-phenyl-	1000	NA
				Pyrene, 2-methyl-	930	NA
				Total Alkanes	810	NA
R3-5B	R3-5	6	12	1,1'-Biphenyl	310	NA
				1,1'-Biphenyl, 2-methoxy-	1800	NA
				1,1-Dimethyl-2,5-diphenyl-3-ethyl-silacyclopenta	1600	NA
				11H-Benzo[b]fluorene	810	NA
				1H-Indene, 1-phenyl-	1600	NA
				2-(4-Biphenylyl)-8-methylimidazo[1,2-a]pyridine	940	NA
				2,4-Dimethylphenol	76	NA
				2-Methylnaphthalene	1100	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	1600	NA
				3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-hexahydro-1H-pyr	1100	NA
				4H-Cyclopenta[def]phenanthrene	880	NA
				4-Methylphenol	150	NA
				6H-Cyclobuta[jk]phenanthrene	5000	NA
				7H-Indeno[2,1-a]anthracen-7-one	810	NA
				9,10-Anthracenedione	1000	NA
				9H-Fluoren-9-one	1500	NA
				Acenaphthene	3200	140
				Acenaphthylene	270	NA
				Acetophenone	1200	NA
				Anthracene	4100	107
				Anthracene, 2-methyl-	2700	NA
				Anthracene, 9-(3-bromopropyl)-	1600	NA
				Anthracene, 9-(4-methoxybutyl)-	1000	NA
				Benz[j]aceanthrylene, 3-methyl-	890	NA
				Benzaldehyde	130	NA
				Benzene, 1-chloro-3-(2-cyano-2-phenylethenyl)	1500	NA
				Benzo(a)anthracene	12000	12
				Benzo(a)pyrene	10000	1.3
				Benzo(b)fluoranthene	15000	NA
				Benzo(g,h,i)perylene	7300	NA
				Benzo(k)fluoranthene	4200	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-5B (cont.)	R3-5	6	12	Benzo[1,2-b:4,3-b']dithiophene, 1-phenyl-	1100	NA
				Benzo[b]naphtho[2,1-d]thiophene	1100	NA
				Benzo[b]triphenylene	1800	NA
				Benzo[e]pyrene	7400	NA
				Benzo[j]fluoranthene	5800	NA
				Bis(2-ethylhexyl)phthalate	2700	199.5
				Butylbenzylphthalate	520	NA
				Carbazole	3400	NA
				Chrysene	14000	NA
				Cyclopenta(def)phenanthrenone	1600	NA
				Dibenzo(a,h)anthracene	2000	NA
				Dibenzo[def,mno]chrysene	*850*	NA
				Dibenzo[def,mno]chrysene	*2200*	NA
				Dibenzo[def,mno]chrysene	*3300*	NA
				Dibenzofuran	2600	NA
				Dibenzofuran, 4-methyl-	1100	NA
				Dinaphtho[1,2-b:1',2'-d]furan	2200	NA
				Fluoranthene	28000	1020
				Fluoranthene, 2-methyl-	1200	NA
				Fluorene	3600	NA
				Indeno(1,2,3-cd)pyrene	8300	NA
				Naphthalene	2700	30
				Naphthalene, 1,5-dimethyl-	860	NA
				Perylene	*2100*	NA
				Perylene	*2400*	NA
				Perylene, 3-methyl-	*1300*	NA
				Perylene, 3-methyl-	*1700*	NA
				Phenanthrene	26000	NA
				Phenanthrene, 2,5-dimethyl-	2300	NA
				Phenanthrene, 2-methyl-	3300	NA
				Phenol	110	0.5
				Pyrene	22000	961
				Pyrene, 1,3-dimethyl-	1900	NA
				Pyrene, 1-methyl-	1200	NA
				Pyrene, 2-methyl-	1800	NA
				Pyrrolo[2,3-b]indole, 1,2,3,3a,8,8a-hexahydro-5-	840	NA
				Total Alkanes	1900	NA
				Unknown aromatic	*1400*	NA
				Unknown aromatic	*1800*	NA
R3-5C	R3-5	18	24	.beta.-Methylionone	1600	NA
				1,1'-Biphenyl	59	NA
				1,1'-Biphenyl, 2,3',4',5-tetrachloro-	1800	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*1500*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*1600*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*2700*	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	5100	NA
				1,1'-Biphenyl, 2,4,6-trichloro-	2500	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*1700*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*2500*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	1400	NA
				1,1'-Biphenyl, trichloro-	*2400*	NA
				1,1'-Biphenyl, trichloro-	*4100*	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-5C (cont.)	R3-5	18	24	*1,1'-Biphenyl, trichloro-*	*4700*	NA
				11H-Benzo[b]fluorene	1800	NA
				2,8-Dimethyldibenzo(B,D)thiophene	1900	NA
				2,9-Dibora-1,3,5,7-tetraoxaphenanthrene-4,8-dion	1600	NA
				2-Methylnaphthalene	220	NA
				4H-Cyclopenta[def]phenanthrene	3900	NA
				4-Methylphenol	76	NA
				9,10-Dimethylanthracene	*2500*	NA
				9,10-Dimethylanthracene	*2900*	NA
				Acenaphthene	470	140
				Acenaphthylene	310	NA
				Acetophenone	1300	NA
				Anthracene	1000	107
				Anthracene, 2-methyl-	*1600*	NA
				Anthracene, 2-methyl-	*1700*	NA
				Benzaldehyde	160	NA
				Benzo(a)anthracene	4300	12
				Benzo(a)pyrene	3400	1.3
				Benzo(b)fluoranthene	4700	NA
				Benzo(g,h,i)perylene	2700	NA
				Benzo(k)fluoranthene	1300	NA
				Bis(2-ethylhexyl)phthalate	2400	199.5
				Carbazole	280	NA
				Cholestan-3-one, 4,4-dimethyl-, cyclic 1,2-ethan	2100	NA
				Chrysene	4400	NA
				Dibenzo(a,h)anthracene	750	NA
				Dibenzofuran	240	NA
				Fluoranthene	9800	1020
				Fluorene	720	NA
				Indeno(1,2,3-cd)pyrene	3000	NA
				Isoquinoline, 1,2,3,4-tetrahydro-7-methoxy-2-met	1700	NA
				Naphthalene	270	30
				Naphthalene, 1,3-dimethyl-	1700	NA
				Nitrone, N-(p-chlorophenyl)-.alpha.-(o-methoxyph	1500	NA
				Perylene	2600	NA
				Phenanthrene	5700	NA
				Phenanthrene, 2,7-dimethyl-	1400	NA
				Phenol	670	0.5
				Polycyclic hydrocarbon	*1400*	NA
				Polycyclic hydrocarbon	*2100*	NA
				Pyrene	7900	961
				Pyrene, 1-methyl-	2600	NA
				Total Alkanes	24000	NA
R3-6A MS/MSD	R3-6	0	6	1,1'-Biphenyl	710	NA
				1,2,3,10,11,12-Hexahydroperylene	1300	NA
				1,2'-Binaphthalene	1900	NA
				11H-Benzo[a]fluorene	3100	NA
				13H-Dibenzo[a,h]fluorene	2500	NA
				13H-Dibenzo[a,i]carbazole	1400	NA
				2,2'-Binaphthalene	2700	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-6A MS/MSD (cont.)	R3-6	0	6	2,4-Dimethylphenol	76	NA
				2-Methylnaphthalene	1900	NA
				2-Methylphenol	56	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	1100	NA
				4H-Cyclopenta[def]phenanthrene	10000	NA
				4H-Dibenz[a,kl]anthracene, 5,6-dihydro-	1500	NA
				4-Methylphenol	230	NA
				5,6-Dihydrochrysene	1500	NA
				7H-Benz[de]anthracen-7-one	1200	NA
				9,10-Anthracenedione	17000	NA
				9H-Fluoren-9-one	8300	NA
				9H-Xanthen-9-one, 1,3,6-trihydroxy-8-methyl-	2000	NA
				Acenaphthene	5800	140
				Acenaphthylene	220	NA
				Acetophenone	1000	NA
				Anthracene	13000	107
				Anthracene, 2-methyl-	9300	NA
				Anthracene, 9-methyl-	7500	NA
				Anthracene, 9-phenyl-	4900	NA
				Benz[j]aceanthrylene, 3-methyl-	1500	NA
				Benzaldehyde	110	NA
				Benzo(a)anthracene	27000	12
				Benzo(a)pyrene	22000	1.3
				Benzo(b)fluoranthene	28000	NA
				Benzo(g,h,i)perylene	15000	NA
				Benzo(k)fluoranthene	7900	NA
				Benzo[a]naphthacene	3200	NA
				Benzo[b]chrysene	2100	NA
				Benzo[b]naphtho[2,1-d]thiophene	3600	NA
				Benzo[b]triphenylene	*1900*	NA
				Benzo[b]triphenylene	*2500*	NA
				Benzo[e]pyrene	7100	NA
				Benzo[j]fluoranthene	3500	NA
				Bis(2-ethylhexyl)phthalate	1000	199.5
				Carbazole	14000	NA
				Chrysene	32000	NA
				Chrysene, 1-methyl-	3500	NA
				Cyclopenta(def)phenanthrenone	5500	NA
				Cyclopenta[cd]pyrene	2100	NA
				Dibenz(a,h)acridine	1200	NA
				Dibenzanthracene-5,6-quinone	2200	NA
				Dibenzo(a,h)anthracene	4100	NA
				Dibenzo[def,mno]chrysene	2000	NA
				Dibenzofuran	7300	NA
				Dibenzothiophene	5800	NA
				Dinaphtho[1,2-b:1',2'-d]furan	1700	NA
				Estra-1,3,5,7,9-pentaen-17-one, 3-methoxy-	1500	NA
				Fluoranthene	77000	1020
				Fluoranthene, 2-methyl-	1200	NA
				Fluorene	6600	NA
				Indeno(1,2,3-cd)pyrene	19000	NA
				Indeno[1,2,3-cd]fluoranthene	3700	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-6A MS/MSD (cont.)	R3-6	0	6	Naphthalene	5500	30
				o-Terphenyl	1100	NA
				Perylene	12000	NA
				Perylene, 3-methyl-	*1500*	NA
				Perylene, 3-methyl-	*2500*	NA
				Phenanthrene	94000	NA
				Phenanthrene, 2,5-dimethyl-	3800	NA
				Phenanthrene, 2-methyl-	4500	NA
				Phenol	140	0.5
				PNA, MW = 253	2800	NA
				Pyrene	54000	961
				Pyrene, 1-methyl-	1300	NA
				Unknown oxyhydrocarbon	4400	NA
R3-6B MS/MSD	R3-6	6	12	[1,2'-Binaphthalene]-5,5',8,8'-tetrone, 1',4-dih	190	NA
				1,1'-Biphenyl	9.4	NA
				1,1'-Biphenyl, 2,2',4,5,5'-pentachloro-	200	NA
				1,1'-Biphenyl, 2,3,3',4,6-Pentachloro-	220	NA
				1,1'-Biphenyl, 2,3,3'-trichloro-	240	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*160*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*180*	NA
				1,1'-Biphenyl, 2,4,4',6-tetrachloro-	400	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	120	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	*140*	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	*480*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*170*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*210*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*220*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*380*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	160	NA
				1,1'-Biphenyl, trichloro-	*180*	NA
				1,1'-Biphenyl, trichloro-	*420*	NA
				1,1'-Biphenyl, trichloro-	*610*	NA
				1,4-Naphthalenedione, 8-hydroxy-2-methoxy-	230	NA
				11H-Benzo[b]fluorene	280	NA
				11H-Indeno[2,1-a]phenanthrene	190	NA
				2-Bromo-4-fluoroanisole	160	NA
				2-Chloro-11H-pyrido[3',2'-4,5]pyrrolo[3,2-c]quin	270	NA
				2-Fluoro-3-(trifluoromethyl)propiophenone	280	NA
				2-Methylnaphthalene	*11*	NA
				2-Methylnaphthalene	*20*	NA
				2-Phenylnaphthalene	420	NA
				3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-hexahydro-1H-pyr	160	NA
				3-Buten-2-one, 3-methyl-4-(1,3,3-trimethyl-7-oxa	420	NA
				4'-Dimethylamino-2-hydroxystilbene	230	NA
				4H-Cyclopenta[def]phenanthrene	260	NA
				4-Methylphenol	12	NA
				7H-Benz[de]anthracen-7-one	150	NA
				Acenaphthene	*16*	140

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-6B MS/MSD (cont.)	R3-6	6	12	*Acenaphthene*	*84*	140
				Acenaphthylene	*20*	NA
				Acenaphthylene	*37*	NA
				Acetophenone	*200*	NA
				Acetophenone	*280*	NA
				Anthracene	*36*	107
				Anthracene	*260*	107
				Anthracene, 2-methyl-	260	NA
				Anthracene, 9-dodecyltetradecahydro-	330	NA
				Anthracene, 9-methyl-	220	NA
				Benzaldehyde	*38*	NA
				Benzaldehyde	*55*	NA
				Benzo(a)anthracene	*230*	12
				Benzo(a)anthracene	*1200*	12
				Benzo(a)pyrene	*230*	1.3
				Benzo(a)pyrene	*1000*	1.3
				Benzo(b)fluoranthene	*350*	NA
				Benzo(b)fluoranthene	*1400*	NA
				Benzo(g,h,i)perylene	*220*	NA
				Benzo(g,h,i)perylene	*900*	NA
				Benzo(k)fluoranthene	*120*	NA
				Benzo(k)fluoranthene	*470*	NA
				Benzo[1,2-b:4,3-b']dithiophene, 1-phenyl-	190	NA
				Benzo[a]naphthacene	130	NA
				Benzo[b]triphenylene	*160*	NA
				Benzo[b]triphenylene	*230*	NA
				Benzo[e]pyrene	1100	NA
				Benzo[ghi]fluoranthene	140	NA
				Benzo[j]fluoranthene	190	NA
				Bicyclo[3.1.1]heptan-3-one, 6,6-dimethyl-2-(2-me	140	NA
				Bis(2-ethylhexyl)phthalate	*200*	199.5
				Bis(2-ethylhexyl)phthalate	*280*	199.5
				Butylbenzylphthalate	9.4	NA
				Carbazole	*32*	NA
				Carbazole	*110*	NA
				Chrysene	*200*	NA
				Chrysene	*1200*	NA
				Cyclohexane, 1-(1,5-dimethylhexyl)-4-(4-methylpe	160	NA
				Dibenzo(a,h)anthracene	*220*	NA
				Dibenzo(a,h)anthracene	*280*	NA
				Dibenzo[c,h][2,6]naphthyridine	170	NA
				Dibenzofuran	*10*	NA
				Dibenzofuran	*56*	NA
				Di-n-butylphthalate	200	NA
				Fluoranthene	*620*	1020
				Fluoranthene	*2000*	1020
				Fluoranthene, 2-methyl-	140	NA
				Fluorene	*25*	NA
				Fluorene	*89*	NA
				Indeno(1,2,3-cd)pyrene	*230*	NA
				Indeno(1,2,3-cd)pyrene	*1000*	NA
				Indeno[1,2,3-cd]fluoranthene	290	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-6B MS/MSD (cont.)	R3-6	6	12	*Naphthalene*	*15*	30
				Naphthalene	*37*	30
				Perylene	170	NA
				Phenanthrene	*250*	NA
				Phenanthrene	*1300*	NA
				Phenanthrene, 2,5-dimethyl-	*180*	NA
				Phenanthrene, 2,5-dimethyl-	*210*	NA
				Phenanthrene, 2,7-dimethyl-	140	NA
				Phenol	*14*	0.5
				Phenol	*150*	0.5
				Polycyclic hydrocarbon	*160*	NA
				Polycyclic hydrocarbon	*220*	NA
				Polycyclic hydrocarbon	*220*	NA
				Pyrene	*560*	961
				Pyrene	*2200*	961
				Pyrene, 1-methyl-	*210*	NA
				Pyrene, 1-methyl-	*240*	NA
				Pyrene, 2-methyl-	*130*	NA
				Pyrene, 2-methyl-	*280*	NA
				Total Alkanes	470	NA
				Tri(2-chloroethyl) phosphate	640	NA
				Unknown aromatic	*120*	NA
				Unknown aromatic	*140*	NA
				Unsaturated Hydrocarbon	*210*	NA
				Unsaturated Hydrocarbon	*390*	NA
R3-7A	R3-7	0	6	1,1'-Biphenyl	56	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	880	NA
				11H-Benzo[b]fluorene	740	NA
				2-(7-Methoxymethylphenanthren-3-yl)propan-2-ol	1700	NA
				2-Methylnaphthalene	180	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	*760*	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	*1000*	NA
				3-Buten-2-one, 3-methyl-4-(1,3,3-trimethyl-7-oxa	1100	NA
				3-Chloro-11H-pyrido[3',2'-4,5]pyrrolo[3,2-c]quin	990	NA
				4H-Dibenzo[de,g]quinoline, 5,6,6a,7-tetrahydro-1	1100	NA
				4-Methylphenol	54	NA
				9-Chloro-9-phenyl-9-silafluorene	790	NA
				Acenaphthene	520	140
				Acenaphthylene	220	NA
				Acetophenone	1100	NA
				Anthracene	1300	107
				Anthracene, 2-methyl-	*1000*	NA
				Anthracene, 2-methyl-	*1100*	NA
				Benzaldehyde	150	NA
				Benzene, 1,1'-(1,2-dimethyl-1,2-ethenediyl)bis[4	1800	NA
				Benzo(a)anthracene	5400	12
				Benzo(a)pyrene	4600	1.3

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-7A (cont.)	R3-7	0	6	Benzo(b)fluoranthene	6600	NA
				Benzo(g,h,i)perylene	3700	NA
				Benzo(k)fluoranthene	1600	NA
				Benzo[b]chrysene	1700	NA
				Bis(2-ethylhexyl)phthalate	1100	199.5
				Carbazole	620	NA
				Chrysene	5100	NA
				D:A-Friedooleanan-7-ol, (7.alpha.)-	910	NA
				Dibenzo(a,h)anthracene	1000	NA
				Dibenzo[def,mno]chrysene	*1100*	NA
				Dibenzo[def,mno]chrysene	*3200*	NA
				Dibenzofuran	330	NA
				Diboron(.mu.-selenium)diethylbis[.mu.-(1H-pyrazo	920	NA
				Di-n-butylphthalate	1100	NA
				Fluoranthene	10000	1020
				Fluorene	650	NA
				Indeno(1,2,3-cd)pyrene	4200	NA
				Naphthalene	340	30
				Naphthalene, 2-phenyl-	1700	NA
				Perylene	*2200*	NA
				Perylene	*3700*	NA
				Phenanthrene	5800	NA
				Phenanthrene, 2,5-dimethyl-	1100	NA
				Phenol	83	0.5
				PNA, MW = 278	860	NA
				Pyrene	8300	961
				Spiro[4.5]decan-7-one, 1,8-dimethyl-8,9-epoxy-4-	1300	NA
				Spiro[cyclopropane-1,4'(6'H)-[6,10]ethenonaphtho	1600	NA
				Thiophanate methyl	1000	NA
				Total Alkanes	1700	NA
				Unknown aromatic	*750*	NA
				Unknown aromatic	*910*	NA
				Unknown aromatic	*1000*	NA
				Unknown aromatic	*1300*	NA
				Unknown phthalate ester	900	NA
R3-7B	R3-7	6	12	*1,1'-Biphenyl, 2,3',5,5'-tetrachloro-*	*490*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*730*	NA
				1,1'-Biphenyl, trichloro-	520	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	670	NA
				2-Methylnaphthalene	110	NA
				4(1H)-Pteridinone, 6-acetyl-2-amino-7,8-dihydro-	970	NA
				4H-Cyclopenta[def]phenanthrene	970	NA
				9,10-Anthracenedione	470	NA
				Acenaphthene	310	140
				Acenaphthylene	76	NA
				Acetophenone	1100	NA
				Anthracene	650	107
				Anthracene, 2-methyl-	650	NA
				Benzaldehyde	85	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-7B (cont.)	R3-7	6	12	Benzo(a)anthracene	2200	12
				Benzo(a)pyrene	1900	1.3
				Benzo(b)fluoranthene	2500	NA
				Benzo(g,h,i)perylene	1400	NA
				Benzo(k)fluoranthene	950	NA
				Benzo[b]triphenylene	650	NA
				Benzo[c]phenanthrene	660	NA
				Benzo[c]phenanthrene, 5,8-dimethyl-	560	NA
				Benzo[e]pyrene	1200	NA
				Bis(2-ethylhexyl)phthalate	1100	199.5
				Butylbenzylphthalate	52	NA
				Carbazole	280	NA
				Chrysene	2200	NA
				D:C-Friedooleanan-3-one	810	NA
				Dibenzo(a,h)anthracene	360	NA
				Dibenzofuran	210	NA
				Fluoranthene	4900	1020
				Fluoranthene, 2-methyl-	*450*	NA
				Fluoranthene, 2-methyl-	*650*	NA
				Fluorene	340	NA
				Indeno(1,2,3-cd)pyrene	1600	NA
				Indeno[1,2,3-cd]fluoranthene	450	NA
				Naphthalene	200	30
				Naphthalene, 2-(phenylmethyl)-	480	NA
				Naphthalene, 2-phenyl-	490	NA
				o-Terphenyl	530	NA
				Phenanthrene	3700	NA
				Phenanthrene, 1-methyl-	660	NA
				Phenanthrene, 2,5-dimethyl-	630	NA
				PNA, MW = 276	700	NA
				Polycyclic hydrocarbon	550	NA
				Pyrene	5200	961
				Sulfur	580	NA
				Thiourea, N-phenyl-N'-(phenylmethyl)-	490	NA
				Total Alkanes	910	NA
				Unknown aromatic	520	NA
R3-7C	R3-7	18	24	*1,1'-Biphenyl, 2,3,3'-trichloro-*	*790*	NA
				1,1'-Biphenyl, 2,3,3'-trichloro-	*1600*	NA
				1,1'-Biphenyl, 2,3',4',5-tetrachloro-	*1000*	NA
				1,1'-Biphenyl, 2,3',4',5-tetrachloro-	*1300*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*690*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*960*	NA
				1,1'-Biphenyl, 2,4,6-trichloro-	520	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*460*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*610*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	520	NA
				1,1'-Biphenyl, bis(1-methylethyl)-	820	NA
				1,1'-Biphenyl, trichloro-	*1700*	NA
				1,1'-Biphenyl, trichloro-	*2200*	NA
				2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorop	860	NA
				2-Methylnaphthalene	96	NA
				4H-Cyclopenta[def]phenanthrene	1500	NA
				4-Methylphenol	69	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-7C (cont.)	R3-7	18	24	Acenaphthene	130	140
				Acenaphthylene	94	NA
				Acetophenone	1100	NA
				Amiphenazole	810	NA
				Anthracene	370	107
				Anthracene, 2-methyl-	700	NA
				Anthracene, 9-methyl-	720	NA
				Benzaldehyde	130	NA
				Benzo(a)anthracene	1400	12
				Benzo(a)pyrene	1400	1.3
				Benzo(b)fluoranthene	1700	NA
				Benzo(g,h,i)perylene	910	NA
				Benzo(k)fluoranthene	670	NA
				Benzo[b]naphtho[2,3-d]thiophene, 6-methyl-	430	NA
				Benzo[e]pyrene	730	NA
				Bis(2-ethylhexyl)phthalate	1100	199.5
				Carbazole	99	NA
				Chrysene	1600	NA
				Dibenzo(a,h)anthracene	220	NA
				Dibenzo[def,mno]chrysene	1100	NA
				Dibenzofuran	100	NA
				Fluoranthene	3300	1020
				Fluoranthene, 2-methyl-	430	NA
				Fluorene	230	NA
				Indeno(1,2,3-cd)pyrene	1000	NA
				Naphthalene	110	30
				Naphthalene, 2,3,6-trimethyl-	570	NA
				o-Terphenyl	610	NA
				Perylene	1200	NA
				Phenanthrene	1900	NA
				Phenanthrene, 2,3-dimethyl-	730	NA
				Phenol	180	0.5
				Polycyclic hydrocarbon	*500*	NA
				Polycyclic hydrocarbon	*710*	NA
				Pyrene	2800	961
				Pyrene, 1-methyl-	570	NA
				Pyrene, 2-methyl-	430	NA
				Total Alkanes	5500	NA
R3-8A	R3-8	0	6	1,1'-Biphenyl	71	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	1200	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*790*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*1800*	NA
				1,1'-Biphenyl, 2,4,6-trichloro-	1200	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	780	NA
				1,1'-Biphenyl, 3,3',5,5'-tetrachloro-	520	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*520*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*1100*	NA
				1,1'-Biphenyl, trichloro-	*740*	NA
				1,1'-Biphenyl, trichloro-	*1200*	NA
				1,1'-Biphenyl, trichloro-	*1600*	NA
				1,4-Benzenediol, 2-[(1,4,4a,5,6,7,8,8a-octahydro	480	NA
				2-Methylnaphthalene	230	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-8A (cont.)	R3-8	0	6	4-Methylphenol	53	NA
				7,9-Di-tertbutyl-1-oxaspiro[4,5]deca-6,9-dien-8-	650	NA
				9H-Fluorene, 9-(phenylmethylene)-	660	NA
				Acenaphthene	540	140
				Acenaphthylene	90	NA
				Acetophenone	1100	NA
				Anthracene	890	107
				Anthracene, 2-methyl-	*850*	NA
				Anthracene, 2-methyl-	*1100*	NA
				Azulene, 7-ethyl-1,4-dimethyl-	600	NA
				Azuleno[4,5-b]furan-2(3H)-one, decahydro-8,9-dih	610	NA
				Benz[a]anthracene, 12-methyl-	750	NA
				Benzaldehyde	91	NA
				Benzo(a)anthracene	3300	12
				Benzo(a)pyrene	2800	1.3
				Benzo(b)fluoranthene	4100	NA
				Benzo(g,h,i)perylene	1800	NA
				Benzo(k)fluoranthene	1000	NA
				Benzo[j]fluoranthene	1700	NA
				Bis(2-ethylhexyl)phthalate	2000	199.5
				Carbazole	570	NA
				Chlorambucil	490	NA
				Chrysene	3500	NA
				Chrysene, 1-methyl-	870	NA
				Dibenzo(a,h)anthracene	480	NA
				Dibenzofuran	460	NA
				Dibenzofuran, 4-methyl-	590	NA
				Di-n-butylphthalate	1100	NA
				Fluoranthene	6900	1020
				Fluoranthene, 2-methyl-	750	NA
				Fluorene	550	NA
				Indeno(1,2,3-cd)pyrene	2100	NA
				Indeno[1,2,3-cd]fluoranthene	530	NA
				Naphthalene	510	30
				Perylene	660	NA
				Phenanthrene	5900	NA
				Phenanthrene, 2,3-dimethyl-	540	NA
				Phenanthrene, 3,6-dimethyl-	570	NA
				Phenol	59	0.5
				Pyrene	6000	961
				Pyrene, 1,3-dimethyl-	490	NA
				Total Alkanes	3900	NA
				Unknown aromatic	550	NA
R3-8B	R3-8	6	12	1,1'-Biphenyl, 2,2',5-trichloro-	690	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	450	NA
				1,1'-Biphenyl, 4,4'-dichloro-	500	NA
				1,1'-Biphenyl, trichloro-	*590*	NA
				1,1'-Biphenyl, trichloro-	*650*	NA
				2-Methylnaphthalene	48	NA
				4-Methylphenol	74	NA
				4-Phenyl-acridine	420	NA
				Acenaphthene	140	140

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-8B (cont.)	R3-8	6	12	Acenaphthylene	63	NA
				Acetophenone	1000	NA
				Anthracene	260	107
				Benzaldehyde	66	NA
				Benzo(a)anthracene	1000	12
				Benzo(a)pyrene	780	1.3
				Benzo(b)fluoranthene	1100	NA
				Benzo(g,h,i)perylene	600	NA
				Benzo(k)fluoranthene	350	NA
				Bis(2-ethylhexyl)phthalate	1000	199.5
				Carbazole	77	NA
				Chrysene	900	NA
				Dibenzo(a,h)anthracene	150	NA
				Dibenzofuran	82	NA
				Di-n-butylphthalate	1000	NA
				Fluoranthene	2300	1020
				Fluorene	160	NA
				Indeno(1,2,3-cd)pyrene	680	NA
				Naphthalene	100	30
				o-Terphenyl	610	NA
				Perylene	500	NA
				Phenanthrene	1100	NA
				Pyrene	1600	961
R3-8C	R3-8	18	24	1,1'-Biphenyl	82	NA
				1,1'-Biphenyl, 2,3',4',5-tetrachloro-	*1400*	NA
				1,1'-Biphenyl, 2,3',4',5-tetrachloro-	*3200*	NA
				1,1'-Biphenyl, 2,3,4',6-tetrachloro-	*1300*	NA
				1,1'-Biphenyl, 2,3,4',6-tetrachloro-	*1600*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*1800*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*2200*	NA
				1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	*2300*	NA
				1,1'-Biphenyl, 2,3,6-trichloro-	2100	NA
				1,1'-Biphenyl, 2,4,4'-trichloro-	3200	NA
				1,1'-Biphenyl, 2,4,5-trichloro-	5400	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	1200	NA
				1,1'-Biphenyl, 4,4'-dichloro-	2200	NA
				1,1'-Biphenyl, trichloro-	*1600*	NA
				1,1'-Biphenyl, trichloro-	*3000*	NA
				1,1'-Biphenyl, trichloro-	*4100*	NA
				1,4-Benzenediol, 2-[(1,4,4a,5,6,7,8,8a-octahydro	1300	NA
				10H-Phenoxaphosphine, 2-ethyl-10-hydroxy-8-methy	1300	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	3000	NA
				2,2,6-Trimethyl-1-(2-methyl-cyclobut-2-enyl)-hep	1300	NA
				2-Methylnaphthalene	270	NA
				4H-Cyclopenta[def]phenanthrene	2700	NA
				4-Methylphenol	200	NA
				Acenaphthene	410	140
				Acenaphthylene	300	NA
				Acetophenone	1300	NA
				Anthracene	1000	107

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-8C (cont.)	R3-8	18	24	Anthracene, 9-dodecyltetradecahydro-	2600	NA
				Anthracene, 9-methyl-	1300	NA
				Benzaldehyde	230	NA
				Benzo(a)anthracene	3500	12
				Benzo(a)pyrene	3300	1.3
				Benzo(b)fluoranthene	4100	NA
				Benzo(g,h,i)perylene	2700	NA
				Benzo(k)fluoranthene	1500	NA
				Benzo[b]naphtho[1,2-d]thiophene	1300	NA
				Benzo[ghi]fluoranthene	1300	NA
				Bis(2-ethylhexyl)phthalate	2600	199.5
				Carbazole	270	NA
				Chrysene	3700	NA
				Dibenzo(a,h)anthracene	710	NA
				Dibenzofuran	230	NA
				Fluoranthene	7700	1020
				Fluorene	760	NA
				Indeno(1,2,3-cd)pyrene	3000	NA
				Isoquinoline, 1,2,3,4-tetrahydro-7-methoxy-2-met	1300	NA
				Naphthalene	270	30
				Naphthalene, 1-methyl-	1900	NA
				Naphthalene, 2,3,6-trimethyl-	1300	NA
				Perylene	2500	NA
				Phenanthrene	4600	NA
				Phenanthrene, 2,5-dimethyl-	3600	NA
				Phenol	470	0.5
				Polycyclic hydrocarbon	1600	NA
				Pyrene	6700	961
				Total Alkanes	21000	NA
R3-9A	R3-9	0	6	1,1'-Biphenyl	160	NA
				1,1'-Biphenyl, 2,3,3'-trichloro-	4000	NA
				1,1'-Biphenyl, 2,3,4',6-tetrachloro-	1500	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	*1600*	NA
				1,1'-Biphenyl, 2,4',5-trichloro-	*5000*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*2100*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*5700*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	*14000*	NA
				1,1'-Biphenyl, 4-chloro-	3700	NA
				1,1'-Biphenyl, trichloro-	*1800*	NA
				1,1'-Biphenyl, trichloro-	*3400*	NA
				1,4-Benzenediol, 2-[(1,4,4a,5,6,7,8,8a-octahydro	2800	NA
				11H-Benzo[b]fluorene	2600	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	1800	NA
				2-Methylnaphthalene	450	NA
				3-(3,4-Dichlorophenyl)-1-(5-methyl-2-thiazolin-2	1600	NA
				4-Methylphenol	240	NA
				7H-Benz[de]anthracen-7-one	1800	NA
				7H-Benzo[c]carbazole	1200	NA
				Acenaphthene	720	140
				Acenaphthylene	420	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-9A (cont.)	R3-9	0	6	Acetophenone	1500	NA
				Anthracene	1600	107
				Benzaldehyde	180	NA
				Benzo(a)anthracene	3400	12
				Benzo(a)pyrene	3000	1.3
				Benzo(b)fluoranthene	3900	NA
				Benzo(g,h,i)perylene	2300	NA
				Benzo(k)fluoranthene	1500	NA
				Bis(2-ethylhexyl)phthalate	4700	199.5
				Carbazole	270	NA
				Chrysene	4400	NA
				Dibenzo(a,h)anthracene	640	NA
				Dibenzofuran	420	NA
				Fluoranthene	8500	1020
				Fluorene	1400	NA
				Indeno(1,2,3-cd)pyrene	2500	NA
				Naphthalene	420	30
				Naphthalene, 1,6,7-trimethyl-	1400	NA
				Phenanthrene	6800	NA
				Phenol	130	0.5
				Podocarp-12-en-14a-ol	1500	NA
				Polycyclic hydrocarbon	*1400*	NA
				Polycyclic hydrocarbon	*1600*	NA
				Polycyclic hydrocarbon	*1900*	NA
				Polycyclic hydrocarbon	*3000*	NA
				Polycyclic hydrocarbon	*3400*	NA
				Pyrene	9400	961
				Pyrene, 1-methyl-	1700	NA
				Total Alkanes	56000	NA
				Unknown aromatic	3800	NA
				Unsaturated Hydrocarbon	1600	NA
R3-9B	R3-9	6	12	1,1'-Biphenyl	130	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	3600	NA
				1,1'-Biphenyl, 2,3',4,5',6-Pentachloro-	1900	NA
				1,1'-Biphenyl, 4,4'-dichloro-	6700	NA
				1,1'-Biphenyl, 4-chloro-	2500	NA
				1,1'-Biphenyl, trichloro-	*2000*	NA
				1,1'-Biphenyl, trichloro-	*2600*	NA
				1,1'-Biphenyl, trichloro-	*2800*	NA
				1-Cyclohexene, 1,3,3-trimethyl-2-(1-methylbut-1-	1800	NA
				1H,3H-Thieno[3,4-c]thiophene, 4,6-dimethyl-	2700	NA
				1H-Indene, 2,3,3a,4,7,7a-hexahydro-2,2,4,4,7,7-h	1600	NA
				2,6-Dimethyl-7.alpha.-propylbicyclo[4.3.0]non-1-	2700	NA
				2-Methylnaphthalene	320	NA
				3,4-Dihydrocyclopenta(cd)pyrene (acepyrene)	4800	NA
				3,9-Dimethyltricyclo[4.2.1.1(2,5)]decan-9-ol	1700	NA
				4-Methylphenol	190	NA
				Acenaphthene	510	140

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-9B (cont.)	R3-9	6	12	Acenaphthylene	280	NA
				Anthracene	1200	107
				Benzaldehyde	140	NA
				Benzo(a)anthracene	2400	12
				Benzo(a)pyrene	1700	1.3
				Benzo(b)fluoranthene	2600	NA
				Benzo(g,h,i)perylene	1700	NA
				Benzo(k)fluoranthene	1000	NA
				Benzo[j]fluoranthene	3800	NA
				Bis(2-ethylhexyl)phthalate	3400	199.5
				Carbazole	190	NA
				Chrysene	3100	NA
				Dibenzo(a,h)anthracene	420	NA
				Dibenzofuran	360	NA
				Fluoranthene	6800	1020
				Fluorene	1000	NA
				Indeno(1,2,3-cd)pyrene	1700	NA
				Naphthalene	300	30
				Phenanthrene	5400	NA
				Phenanthrene, 2,3,5-trimethyl-	1900	NA
				Phenol	74	0.5
				Polycyclic hydrocarbon	*1600*	NA
				Polycyclic hydrocarbon	*1700*	NA
				Polycyclic hydrocarbon	*1700*	NA
				Polycyclic hydrocarbon	*1800*	NA
				Polycyclic hydrocarbon	*1800*	NA
				Polycyclic hydrocarbon	*2000*	NA
				Pyrene	7000	961
				Pyrene, 1,3-dimethyl-	1600	NA
				Pyrene, 1-methyl-	*3400*	NA
				Pyrene, 1-methyl-	*3800*	NA
				Total Alkanes	57000	NA
				Unknown aromatic	*1800*	NA
				Unknown aromatic	*2300*	NA
				Unsaturated Hydrocarbon	4400	NA
R3-9C	R3-9	18	24	1,1'-Biphenyl	58	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	*1400*	NA
				1,1'-Biphenyl, 2,2',5-trichloro-	*4300*	NA
				1,1'-Biphenyl, 2,3,4,5-tetrachloro-	1600	NA
				1,1'-Biphenyl, 2,3',4',5-tetrachloro-	1000	NA
				1,1'-Biphenyl, 2,3',4,6-Tetrachloro-	1100	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*930*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*1000*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*1500*	NA
				1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	*1900*	NA
				1,1'-Biphenyl, 4,4'-dichloro-	4700	NA
				1,1'-Biphenyl, 4-chloro-	1400	NA
				1,1'-Biphenyl, trichloro-	*2000*	NA
				1,1'-Biphenyl, trichloro-	*3700*	NA
				1,1'-Biphenyl, trichloro-	*3900*	NA
				2-Methylnaphthalene	150	NA
				4,4,6a,6b,8a,11,12,14b-Octamethyl-1,4,4a,5,6,6a,	1900	NA

Table 4.6f
BNA Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R3-9C (cont.)	R3-9	18	24	4a,7,7,10a-Tetramethyldodecahydrobenzo[f]chrome	1900	NA
				4H-Cyclopenta[def]phenanthrene	1200	NA
				4-Methylphenol	120	NA
				7b-Phenyl-2a,7b-dihydro-3H-cyclobuta[a]indene	980	NA
				Acenaphthene	230	140
				Acenaphthylene	170	NA
				Acetophenone	1300	NA
				Anthracene	580	107
				Anthracene, 2-methyl-	1000	NA
				Benzaldehyde	130	NA
				Benzo(a)anthracene	1600	12
				Benzo(a)pyrene	1300	1.3
				Benzo(b)fluoranthene	2000	NA
				Benzo(g,h,i)perylene	1200	NA
				Benzo(k)fluoranthene	510	NA
				Bis(2-ethylhexyl)phthalate	1600	199.5
				Carbazole	140	NA
				Chrysene	2100	NA
				Dibenzo(a,h)anthracene	290	NA
				Dibenzofuran	160	NA
				Fluoranthene	4000	1020
				Fluorene	450	NA
				Indeno(1,2,3-cd)pyrene	1200	NA
				Naphthalene	160	30
				Naphthalene, 1,8-dimethyl-	1300	NA
				Perylene	1600	NA
				Phenanthrene	2600	NA
				Phenanthrene, 2,3,5-trimethyl-	1000	NA
				Phenol	470	0.5
				PNA, MW = 276	1500	NA
				Podocarp-12-en-14b-ol	1900	NA
				Polycyclic hydrocarbon	*1100*	NA
				Polycyclic hydrocarbon	*1300*	NA
				Polycyclic hydrocarbon	*1400*	NA
				Polycyclic hydrocarbon	*1400*	NA
				Polycyclic hydrocarbon	*1600*	NA
				Pyrene	4100	961
				Pyrene, 1-methyl-	1200	NA
				Total Alkanes	27000	NA

Notes:
Highlighted cells indicate results greater than the NYS Sediment Criteria
Results in italics indicate samples analyzed for the same chemical multiple times
BNAs - Base/Neutral/Acid Organic Compounds
NYS - New York State
in - inches
µg/kg - micrograms per kilogram
NA - Not Available

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Table 4.6g
Dioxin/Furan Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-5A	R3-5	0	6	1,2,3,4,6,7,8-HpCDD	150	1000
				1,2,3,4,6,7,8-HpCDF	46	1000
				1,2,3,4,7,8,9-HpCDF	3.8	1000
				1,2,3,4,7,8-HxCDD	1.5	1000
				1,2,3,4,7,8-HxCDF	5.1	1000
				1,2,3,6,7,8-HxCDD	8.8	1000
				1,2,3,6,7,8-HxCDF	3.4	1000
				1,2,3,7,8,9-HxCDD	5.4	1000
				1,2,3,7,8-PeCDD	2.6	1000
				2,3,4,7,8-PeCDF	8	1000
				2,3,7,8-TCDD	0.82	1000
				2,3,7,8-TCDF	5.7	1000
				OCDD	1300	1000
				OCDF	220	1000
				Total HpCDD	290	1000
				Total HpCDF	220	1000
				Total HxCDD	80	1000
				Total HxCDF	120	1000
				Total PeCDD	19	1000
				Total PeCDF	110	1000
				Total TCDD	9.2	1000
				Total TCDF	150	1000
R3-7A	R3-7	0	6	1,2,3,4,6,7,8-HpCDD	46	1000
				1,2,3,4,6,7,8-HpCDF	16	1000
				1,2,3,4,7,8,9-HpCDF	2	1000
				1,2,3,4,7,8-HxCDF	3.1	1000
				1,2,3,6,7,8-HxCDD	4	1000
				1,2,3,6,7,8-HxCDF	2.3	1000
				1,2,3,7,8,9-HxCDD	3.1	1000
				1,2,3,7,8-PeCDD	1.5	1000
				1,2,3,7,8-PeCDF	1.5	1000
				2,3,4,6,7,8-HxCDF	2.2	1000
				2,3,4,7,8-PeCDF	4.4	1000
				2,3,7,8-TCDF	2.7	1000
				OCDD	420	1000
				OCDF	31	1000
				Total HpCDD	99	1000
				Total HpCDF	49	1000
				Total HxCDD	47	1000
				Total HxCDF	63	1000
				Total PeCDD	11	1000
				Total PeCDF	67	1000
				Total TCDD	5.5	1000
				Total TCDF	97	1000
R3-2A	R3-2	0	6	1,2,3,4,6,7,8-HpCDD	410	1000
				1,2,3,4,6,7,8-HpCDF	110	1000
				1,2,3,4,7,8,9-HpCDF	14	1000
				1,2,3,4,7,8-HxCDD	7.4	1000
				1,2,3,4,7,8-HxCDF	19	1000
				1,2,3,6,7,8-HxCDD	31	1000
				1,2,3,6,7,8-HxCDF	12	1000
				1,2,3,7,8,9-HxCDD	34	1000
				1,2,3,7,8,9-HxCDF	5	1000
				1,2,3,7,8-PeCDD	13	1000

Table 4.6g
Dioxin/Furan Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-2A (cont.)	R3-2	0	6	1,2,3,7,8-PeCDF	10	1000
				2,3,4,7,8-PeCDF	16	1000
				2,3,7,8-TCDD	4.2	1000
				2,3,7,8-TCDF	11	1000
				OCDD	3500	1000
				OCDF	310	1000
				Total HpCDD	950	1000
				Total HpCDF	390	1000
				Total HxCDD	470	1000
				Total HxCDF	420	1000
				Total PeCDD	82	1000
				Total PeCDF	350	1000
				Total TCDD	27	1000
				Total TCDF	330	1000
R2-12A	R2-12	0	6	1,2,3,4,6,7,8-HpCDF	470	1000
				1,2,3,4,7,8,9-HpCDF	36	1000
				1,2,3,4,7,8-HxCDD	98	1000
				1,2,3,4,7,8-HxCDF	36	1000
				1,2,3,6,7,8-HxCDD	480	1000
				1,2,3,7,8,9-HxCDD	600	1000
				1,2,3,7,8-PeCDD	330	1000
				1,2,3,7,8-PeCDF	23	1000
				2,3,4,6,7,8-HxCDF	35	1000
				2,3,4,7,8-PeCDF	35	1000
				2,3,7,8-TCDD	200	1000
				2,3,7,8-TCDF	24	1000
				OCDD	34000	1000
				OCDF	700	1000
				Total HpCDD	18000	1000
				Total HpCDF	1600	1000
				Total HxCDD	10000	1000
				Total HxCDF	1300	1000
				Total PeCDD	2400	1000
				Total PeCDF	700	1000
				Total TCDD	970	1000
				Total TCDF	740	1000
R2-14A	R2-14	0	6	1,2,3,4,6,7,8-HpCDD	500	1000
				1,2,3,4,6,7,8-HpCDF	140	1000
				1,2,3,4,7,8,9-HpCDF	21	1000
				1,2,3,4,7,8-HxCDF	31	1000
				1,2,3,6,7,8-HxCDD	35	1000
				1,2,3,6,7,8-HxCDF	15	1000
				1,2,3,7,8,9-HxCDD	27	1000
				1,2,3,7,8,9-HxCDF	8.1	1000
				1,2,3,7,8-PeCDD	11	1000
				2,3,4,6,7,8-HxCDF	19	1000
				2,3,4,7,8-PeCDF	26	1000
				2,3,7,8-TCDD	3.2	1000
				2,3,7,8-TCDF	18	1000
				OCDD	4100	1000
				OCDF	340	1000
				Total HpCDD	1000	1000
				Total HpCDF	470	1000
				Total HxCDD	350	1000

Table 4.6g
Dioxin/Furan Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-14A (cont.)	R2-14	0	6	Total HxCDF	380	1000
				Total PeCDD	73	1000
				Total PeCDF	370	1000
				Total TCDD	34	1000
				Total TCDF	440	1000
R2-11A	R2-11	0	6	1,2,3,4,6,7,8-HpCDD	500	1000
				1,2,3,4,6,7,8-HpCDF	140	1000
				1,2,3,4,7,8,9-HpCDF	17	1000
				1,2,3,4,7,8-HxCDD	6.1	1000
				1,2,3,4,7,8-HxCDF	26	1000
				1,2,3,6,7,8-HxCDD	35	1000
				1,2,3,6,7,8-HxCDF	15	1000
				1,2,3,7,8,9-HxCDD	29	1000
				1,2,3,7,8-PeCDD	13	1000
				2,3,4,6,7,8-HxCDF	12	1000
				2,3,4,7,8-PeCDF	21	1000
				2,3,7,8-TCDF	17	1000
				OCDD	3400	1000
				OCDF	290	1000
				Total HpCDD	1100	1000
				Total HpCDF	520	1000
				Total HxCDD	410	1000
				Total HxCDF	470	1000
				Total PeCDD	85	1000
				Total PeCDF	420	1000
				Total TCDD	33	1000
				Total TCDF	480	1000
R1-4A	R1-4	0	6	1,2,3,4,6,7,8-HpCDD	4.1	1000
				1,2,3,6,7,8-HxCDD	0.45	1000
				1,2,3,7,8-PeCDF	0.24	1000
				2,3,4,7,8-PeCDF	0.28	1000
				OCDD	34	1000
				OCDF	3.3	1000
				Total HpCDD	8.1	1000
				Total HpCDF	4.4	1000
				Total HxCDD	4	1000
				Total HxCDF	5.4	1000
				Total PeCDD	1.3	1000
				Total PeCDF	5.4	1000
				Total TCDD	1.1	1000
				Total TCDF	6.1	1000
R2-1A	R2-1	0	6	1,2,3,4,6,7,8-HpCDD	31	1000
				1,2,3,4,6,7,8-HpCDF	9.4	1000
				1,2,3,4,7,8-HxCDF	2.1	1000
				1,2,3,6,7,8-HxCDD	3.1	1000
				1,2,3,7,8,9-HxCDD	2	1000
				1,2,3,7,8-PeCDF	0.73	1000
				2,3,4,7,8-PeCDF	3.2	1000
				2,3,7,8-TCDF	3.7	1000
				OCDD	260	1000
				OCDF	18	1000
				Total HpCDD	69	1000
				Total HpCDF	210	1000

Table 4.6g
Dioxin/Furan Detections in Sediment Samples

Sample ID	Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-1A (cont.)	R2-1	0	6	Total HxCDD	36	1000
				Total HxCDF	75	1000
				Total PeCDD	37	1000
				Total PeCDF	190	1000
				Total TCDD	4.6	1000
				Total TCDF	430	1000
R2-3A	R2-3	0	6	1,2,3,4,6,7,8-HpCDD	15	1000
				1,2,3,4,6,7,8-HpCDF	9.7	1000
				1,2,3,4,7,8,9-HpCDF	0.94	1000
				1,2,3,6,7,8-HxCDD	1.4	1000
				1,2,3,7,8-PeCDF	1.2	1000
				2,3,4,7,8-PeCDF	1.6	1000
				2,3,7,8-TCDF	1.6	1000
				OCDD	110	1000
				OCDF	12	1000
				Total HpCDD	32	1000
				Total HpCDF	20	1000
				Total HxCDD	20	1000
				Total HxCDF	24	1000
				Total PeCDD	12	1000
				Total PeCDF	27	1000
				Total TCDD	11	1000
				Total TCDF	41	1000
R2-7A	R2-7	0	6	1,2,3,4,6,7,8-HpCDD	91	1000
				1,2,3,4,6,7,8-HpCDF	29	1000
				1,2,3,4,7,8,9-HpCDF	3.9	1000
				1,2,3,4,7,8-HxCDD	2.6	1000
				1,2,3,4,7,8-HxCDF	3.8	1000
				1,2,3,6,7,8-HxCDD	5.7	1000
				1,2,3,6,7,8-HxCDF	4.1	1000
				1,2,3,7,8,9-HxCDD	5.3	1000
				1,2,3,7,8-PeCDF	2.2	1000
				2,3,4,7,8-PeCDF	4.2	1000
				2,3,7,8-TCDD	0.92	1000
				2,3,7,8-TCDF	3.2	1000
				OCDD	770	1000
				OCDF	66	1000
				Total HpCDD	160	1000
				Total HpCDF	94	1000
				Total HxCDD	70	1000
				Total HxCDF	150	1000
				Total PeCDD	20	1000
				Total PeCDF	95	1000
				Total TCDD	14	1000
				Total TCDF	120	1000

Notes:
Highlighted cells indicate results greater than the EPA Preliminary Remediation Goal for Dioxins in Residential Soil
EPA - U.S. Environmental Protection Agency
in - inches
ng/kg - nanograms per kilogram
NA - Not Available

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R1-1	0	6	Inorganics	ANTIMONY			14.2	2.0		
			Inorganics	CADMIUM			5.9	0.6		
			Inorganics	CHROMIUM			67.4	26.0		
			Inorganics	COPPER			83.8	16.0		
			Inorganics	LEAD			82.7	31.0		
			Inorganics	MERCURY			0.21	0.15		
			Inorganics	NICKEL			25.2	16.0		
			Inorganics	ZINC			296	120.0		
			Pesticides	4,4'-DDD	4.9	0.01				
			Pesticides	Endosulfan II	4.9	0.03				
			Pesticides	Heptachlor epoxide	2.5	0.0008				
			SVOCs/BNAs	Acenaphthene	200	140				
			SVOCs/BNAs	Anthracene	470	107				
			SVOCs/BNAs	Benzo(a)anthracene	2300	12				
			SVOCs/BNAs	Benzo(a)pyrene	2700	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1000	199.5				
			SVOCs/BNAs	Fluoranthene	6200	1020				
			SVOCs/BNAs	Naphthalene	170	30				
			SVOCs/BNAs	Phenol	16	0.5				
			SVOCs/BNAs	Pyrene	5000	961				
R1-1	6	12	Pesticides	4,4'-DDD	5.7	0.01				
			Pesticides	Dieldrin	5.7	0.1				
			Pesticides	Endosulfan I	3	0.03				
			Pesticides	Endosulfan II	5.7	0.03				
			Pesticides	Heptachlor epoxide	3	0.0008				
			SVOCs/BNAs	Phenol	28	0.5				
R1-1	18	24	Pesticides	4,4'-DDD	4.3	0.01				
			Pesticides	4,4'-DDE	4.3	0.01				
			Pesticides	Endosulfan II	4.3	0.03				
			Pesticides	Heptachlor	2.2	0.0008				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	280	199.5				
			SVOCs/BNAs	Phenol	140	0.5				
R1-2	0	6	Inorganics	CADMIUM			1.3	0.6		
			Inorganics	COPPER			27	16.0		
			Inorganics	LEAD			63.7	31.0		
			Pesticides	4,4'-DDD	4.8	0.01				
			Pesticides	4,4'-DDT	4.3	0.01				
			Pesticides	Endosulfan I	2.5	0.03				
			Pesticides	Endosulfan II	4.8	0.03				
			Pesticides	Heptachlor	2.5	0.0008				
			Pesticides	Heptachlor epoxide	3.4	0.0008				
			Pesticides	Methoxychlor	25	0.6				
			SVOCs/BNAs	Anthracene	200	107				
			SVOCs/BNAs	Benzo(a)anthracene	950	12				
			SVOCs/BNAs	Benzo(a)pyrene	730	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	230	199.5				
			SVOCs/BNAs	Fluoranthene	1900	1020				
			SVOCs/BNAs	Phenol	24	0.5				
			SVOCs/BNAs	Pyrene	1900	961				
R1-2	6	12	Pesticides	4,4'-DDD	6.2	0.01				
			Pesticides	Heptachlor epoxide	2.3	0.0008				
			Pesticides	Methoxychlor	23	0.6				
			SVOCs/BNAs	Benzo(a)pyrene	260	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	260	199.5				
			SVOCs/BNAs	Phenol	14	0.5				
R1-2	18	24	Pesticides	4,4'-DDD	5.2	0.01				
			Pesticides	Endosulfan II	5.2	0.03				
			Pesticides	Heptachlor	2.7	0.0008				
			Pesticides	Heptachlor epoxide	2.7	0.0008				
			Pesticides	Methoxychlor	27	0.6				
			SVOCs/BNAs	Benzo(a)pyrene	280	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	280	199.5				
			SVOCs/BNAs	Phenol	120	0.5				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R1-3	0	6	Inorganics	CADMIUM			0.69	0.6		
			Pesticides	4,4'-DDD	4.9	0.01				
			Pesticides	Endosulfan II	4.9	0.03				
			Pesticides	Heptachlor	0.2	0.0008				
			Pesticides	Heptachlor epoxide	2.5	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	140	12				
			SVOCs/BNAs	Benzo(a)pyrene	120	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	280	199.5				
			SVOCs/BNAs	Phenol	13	0.5				
R1-3	6	12	Inorganics	CADMIUM			0.78	0.6		
			Pesticides	4,4'-DDD	5.4	0.01				
			Pesticides	4,4'-DDE	5.4	0.01				
			Pesticides	Endosulfan II	5.4	0.03				
			SVOCs/BNAs	Benzo(a)pyrene	15	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	270	199.5				
			SVOCs/BNAs	Phenol	11	0.5				
R1-3	18	24	Pesticides	4,4'-DDD	0.49	0.01				
			Pesticides	4,4'-DDE	4.1	0.01				
			Pesticides	Endosulfan II	4.1	0.03				
			Pesticides	Heptachlor epoxide	2.1	0.0008				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	260	199.5				
			SVOCs/BNAs	Phenol	29	0.5				
R1-4	0	6	Pesticides	4,4'-DDE	5.5	0.01				
			Pesticides	4,4'-DDT	5.5	0.01				
			Pesticides	Heptachlor	2.9	0.0008				
			Pesticides	Methoxychlor	29	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	240	12				
			SVOCs/BNAs	Benzo(a)pyrene	220	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	300	199.5				
			SVOCs/BNAs	Phenol	19	0.5				
R1-4	6	12	Pesticides	Heptachlor	2.8	0.0008				
			Pesticides	Heptachlor epoxide	2.8	0.0008				
			SVOCs/BNAs	Benzo(a)pyrene	14	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	240	199.5				
			SVOCs/BNAs	Phenol	7.5	0.5				
R1-4	18	24	Pesticides	Heptachlor epoxide	3	0.0008				
			SVOCs/BNAs	Benzo(a)pyrene	12	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	300	199.5				
			SVOCs/BNAs	Phenol	110	0.5				
R2-1	0	6	Inorganics	CADMIUM			3.8	0.6		
			Inorganics	CHROMIUM			46.1	26.0		
			Inorganics	COPPER			127	16.0		
			Inorganics	LEAD			75.8	31.0		
			Inorganics	MERCURY			0.65	0.15		
			Inorganics	NICKEL			17.9	16.0		
			Inorganics	ZINC			217	120.0		
			Pesticides	4,4'-DDE	6.6	0.01				
			Pesticides	4,4'-DDT	17	0.01				
			Pesticides	Endosulfan I	2.5	0.03				
			Pesticides	Endosulfan II	4.8	0.03				
			Pesticides	Endrin	4.8	0.8				
			Pesticides	Heptachlor	3.7	0.0008				
			Pesticides	Heptachlor epoxide	3.4	0.0008				
			Pesticides	Methoxychlor	25	0.6				
			SVOCs/BNAs	Acenaphthene	240	140				
			SVOCs/BNAs	Anthracene	1500	107				
			SVOCs/BNAs	Benzo(a)anthracene	5700	12				
			SVOCs/BNAs	Benzo(a)pyrene	4400	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1200	199.5				
			SVOCs/BNAs	Fluoranthene	10000	1020				
			SVOCs/BNAs	Naphthalene	150	30				
			SVOCs/BNAs	Pyrene	10000	961				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-1	6	12	Inorganics	ARSENIC			7.7	6.0		
			Inorganics	CADMIUM			8.3	0.6		
			Inorganics	CHROMIUM			75.5	26.0		
			Inorganics	COPPER			90.4	16.0		
			Inorganics	LEAD			112	31.0		
			Inorganics	MERCURY			1.6	0.15		
			Inorganics	NICKEL			26.4	16.0		
			Inorganics	SILVER			1.6	1.0		
			Inorganics	ZINC			282	120.0		
			Pesticides	4,4'-DDE	7.3	0.01				
			Pesticides	Endosulfan I	3.7	0.03				
			Pesticides	Endosulfan II	7.2	0.03				
			Pesticides	Heptachlor	3.7	0.0008				
			Pesticides	Heptachlor epoxide	3.7	0.0008				
			Pesticides	Methoxychlor	37	0.6				
			SVOCs/BNAs	Acenaphthene	950	140				
			SVOCs/BNAs	Anthracene	3800	107				
			SVOCs/BNAs	Benzo(a)anthracene	7400	12				
			SVOCs/BNAs	Benzo(a)pyrene	4500	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1800	199.5				
			SVOCs/BNAs	Fluoranthene	16000	1020				
			SVOCs/BNAs	Naphthalene	170	30				
			SVOCs/BNAs	Pyrene	11000	961				
R2-1	18	24	Inorganics	ANTIMONY			2.3	2.0		
			Inorganics	CADMIUM			3.6	0.6		
			Inorganics	CHROMIUM			32.8	26.0		
			Inorganics	COPPER			59.2	16.0		
			Inorganics	LEAD			160	31.0		
			Inorganics	MERCURY			1	0.15		
			Inorganics	NICKEL			16.6	16.0		
			Inorganics	ZINC			304	120.0		
			Pesticides	4,4'-DDD	16	0.01				
			Pesticides	4,4'-DDE	6.4	0.01				
			Pesticides	Dieldrin	5.5	0.1				
			Pesticides	Endosulfan II	5.5	0.03				
			Pesticides	Heptachlor	2.9	0.0008				
			Pesticides	Heptachlor epoxide	2.9	0.0008				
			Pesticides	Methoxychlor	29	0.6				
			SVOCs/BNAs	Anthracene	350	107				
			SVOCs/BNAs	Benzo(a)anthracene	1200	12				
			SVOCs/BNAs	Benzo(a)pyrene	1000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	290	199.5				
			SVOCs/BNAs	Fluoranthene	2300	1020				
			SVOCs/BNAs	Naphthalene	190	30				
			SVOCs/BNAs	Phenol	290	0.5				
			SVOCs/BNAs	Pyrene	1900	961				
R2-10	0	6	Inorganics	CADMIUM			4.4	0.6		
			Inorganics	CALCIUM			61000	NA		
			Inorganics	CHROMIUM			52.8	26.0		
			Inorganics	COBALT			5.4	NA		
			Inorganics	COPPER			69.3	16.0		
			Inorganics	IRON			13100	NA		
			Inorganics	LEAD			82.7	31.0		
			Inorganics	MAGNESIUM			13000	NA		
			Inorganics	MANGANESE			314	460.0		
			Inorganics	NICKEL			22.6	16.0		
			Inorganics	POTASSIUM			752	NA		
			Inorganics	SELENIUM			0.74	NA		
			Inorganics	SILVER			1.1	1.0		
			Inorganics	SODIUM			3050	NA		
			Inorganics	THALLIUM			0.97	NA		
			Inorganics	VANADIUM			14.6	NA		
			Inorganics	ZINC			268	120.0		
			Pesticides	Endosulfan II	6.7	0.03				
			Pesticides	Heptachlor epoxide	8.6	0.0008				
			Pesticides	Methoxychlor	34	0.6				
			SVOCs/BNAs	Anthracene	140	107				
			SVOCs/BNAs	Benzo(a)anthracene	1000	12				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-10 (cont.)	0	6	SVOCs/BNAs	Benzo(a)pyrene	1100	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	360	199.5				
			SVOCs/BNAs	Fluoranthene	2600	1020				
			SVOCs/BNAs	Naphthalene	48	30				
			SVOCs/BNAs	Phenol	35	0.5				
			SVOCs/BNAs	Pyrene	1900	961				
R2-10	6	12	Inorganics	ANTIMONY			2	2.0		
			Inorganics	ARSENIC			7.7	6.0		
			Inorganics	BARIUM			128	NA		
			Inorganics	BERYLLIUM			0.51	NA		
			Inorganics	CADMIUM			8.1	0.6		
			Inorganics	CALCIUM			66700	NA		
			Inorganics	CHROMIUM			82.9	26.0		
			Inorganics	COBALT			6.9	NA		
			Inorganics	COPPER			99.7	16.0		
			Inorganics	IRON			15300	NA		
			Inorganics	LEAD			218	31.0		
			Inorganics	MAGNESIUM			14700	NA		
			Inorganics	MANGANESE			471	460.0		
			Inorganics	MERCURY			0.16	0.15		
			Inorganics	NICKEL			29.6	16.0		
			Inorganics	POTASSIUM			954	NA		
			Inorganics	SELENIUM			0.86	NA		
			Inorganics	SILVER			1.7	1.0		
			Inorganics	SODIUM			8510	NA		
			Inorganics	THALLIUM			1	NA		
			Inorganics	VANADIUM			18.5	NA		
			Inorganics	ZINC			919	120.0		
			Pesticides	4,4'-DDD	6.5	0.01				
			Pesticides	4,4'-DDE	6.5	0.01				
			Pesticides	Endosulfan II	6.5	0.03				
			Pesticides	Endrin	6.5	0.8				
			Pesticides	Heptachlor	3.7	0.0008				
			Pesticides	Heptachlor epoxide	3.4	0.0008				
			Pesticides	Methoxychlor	34	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	260	12				
			SVOCs/BNAs	Benzo(a)pyrene	270	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	500	199.5				
			SVOCs/BNAs	Phenol	54	0.5				
			VOCs	1,1,2,2-Tetrachloroethane	99	0.3				
			VOCs	C4 Benzene	300	0.6				
			VOCs	C5 Benzene	160	0.6				
R2-10	18	24	Inorganics	ANTIMONY			2.3	2.0		
			Inorganics	ARSENIC			8.9	6.0		
			Inorganics	BARIUM			157	NA		
			Inorganics	BERYLLIUM			0.53	NA		
			Inorganics	CADMIUM			156	0.6		
			Inorganics	CALCIUM			51100	NA		
			Inorganics	CHROMIUM			404	26.0		
			Inorganics	COBALT			6.9	NA		
			Inorganics	COPPER			157	16.0		
			Inorganics	IRON			18000	NA		
			Inorganics	LEAD			464	31.0		
			Inorganics	MAGNESIUM			12300	NA		
			Inorganics	MANGANESE			459	460.0		
			Inorganics	NICKEL			69.2	16.0		
			Inorganics	POTASSIUM			1130	NA		
			Inorganics	SELENIUM			1.2	NA		
			Inorganics	SILVER			3.1	1.0		
			Inorganics	SODIUM			13300	NA		
			Inorganics	THALLIUM			0.89	NA		
			Inorganics	VANADIUM			23.1	NA		
			Inorganics	ZINC			1780	120.0		
			PCBs	Aroclor-1242	3800	1000				
			Pesticides	4,4'-DDE	18	0.01				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-10 (cont.)	18	24	Pesticides	4,4'-DDT	16	0.01				
			Pesticides	Endosulfan II	5.1	0.03				
			Pesticides	Endrin	5.1	0.8				
			SVOCs/BNAs	Benzo(a)anthracene	470	12				
			SVOCs/BNAs	Benzo(a)pyrene	380	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2200	199.5				
			SVOCs/BNAs	Naphthalene	41	30				
			SVOCs/BNAs	Phenol	530	0.5				
			SVOCs/BNAs	Pyrene	990	961				
			VOCs	C4 Benzene	23	0.6				
R2-11	0	6	Dioxins and Furans	OCDD					3400	1000
			Dioxins and Furans	Total HpCDD					1100	1000
			Inorganics	ARSENIC			6	6.0		
			Inorganics	BARIUM			79.8	NA		
			Inorganics	BERYLLIUM			0.44	NA		
			Inorganics	CADMIUM			4.4	0.6		
			Inorganics	CALCIUM			54200	NA		
			Inorganics	CHROMIUM			52.4	26.0		
			Inorganics	COBALT			5.7	NA		
			Inorganics	COPPER			71.7	16.0		
			Inorganics	IRON			14000	NA		
			Inorganics	LEAD			85.5	31.0		
			Inorganics	MAGNESIUM			12300	NA		
			Inorganics	MANGANESE			310	460.0		
			Inorganics	NICKEL			21.5	16.0		
			Inorganics	POTASSIUM			738	NA		
			Inorganics	SELENIUM			0.67	NA		
			Inorganics	SILVER			1.4	1.0		
			Inorganics	SODIUM			4560	NA		
			Inorganics	THALLIUM			0.89	NA		
			Inorganics	VANADIUM			14.3	NA		
			Inorganics	ZINC			281	120.0		
			Pesticides	4,4'-DDE	5.6	0.01				
			Pesticides	4,4'-DDT	5.6	0.01				
			Pesticides	Endosulfan II	5.6	0.03				
			Pesticides	Endrin	5.6	0.8				
			Pesticides	Heptachlor	4.1	0.0008				
			Pesticides	Methoxychlor	29	0.6				
			SVOCs/BNAs	Anthracene	120	107				
			SVOCs/BNAs	Benzo(a)anthracene	830	12				
			SVOCs/BNAs	Benzo(a)pyrene	650	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	440	199.5				
			SVOCs/BNAs	Fluoranthene	1600	1020				
			SVOCs/BNAs	Naphthalene	43	30				
			SVOCs/BNAs	Phenol	40	0.5				
			SVOCs/BNAs	Pyrene	1400	961				
R2-11	6	12	Inorganics	ANTIMONY			1.9	2.0		
			Inorganics	ARSENIC			7.9	6.0		
			Inorganics	BARIUM			119	NA		
			Inorganics	BERYLLIUM			0.48	NA		
			Inorganics	CADMIUM			11.6	0.6		
			Inorganics	CALCIUM			63200	NA		
			Inorganics	CHROMIUM			96.6	26.0		
			Inorganics	COBALT			6.7	NA		
			Inorganics	COPPER			103	16.0		
			Inorganics	IRON			15900	NA		
			Inorganics	LEAD			226	31.0		
			Inorganics	MAGNESIUM			13200	NA		
			Inorganics	MANGANESE			469	460.0		
			Inorganics	MERCURY			0.15	0.15		
			Inorganics	NICKEL			33.3	16.0		
			Inorganics	POTASSIUM			952	NA		
			Inorganics	SELENIUM			0.88	NA		
			Inorganics	SILVER			2	1.0		
			Inorganics	SODIUM			11900	NA		
			Inorganics	THALLIUM			0.95	NA		
			Inorganics	VANADIUM			18.3	NA		
			Inorganics	ZINC			1150	120.0		

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-11 (cont.)	6	12	PCBs	Aroclor-1242	3300	1000				
			PCBs	Aroclor-1248	3400	1000				
			Pesticides	4,4'-DDT	23	0.01				
			Pesticides	Endosulfan I	5.1	0.03				
			Pesticides	Endosulfan II	6.5	0.03				
			Pesticides	Endrin	6.5	0.8				
			Pesticides	Heptachlor epoxide	4.5	0.0008				
			Pesticides	Methoxychlor	34	0.6				
			SVOCs/BNAs	Acenaphthene	150	140				
			SVOCs/BNAs	Anthracene	190	107				
			SVOCs/BNAs	Benzo(a)anthracene	1400	12				
			SVOCs/BNAs	Benzo(a)pyrene	1500	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2100	199.5				
			SVOCs/BNAs	Fluoranthene	2700	1020				
			SVOCs/BNAs	Naphthalene	110	30				
			SVOCs/BNAs	Phenol	180	0.5				
			SVOCs/BNAs	Pyrene	3500	961				
R2-11	18	24	Inorganics	ANTIMONY			2.6	2.0		
			Inorganics	ARSENIC			11.4	6.0		
			Inorganics	BARIUM			167	NA		
			Inorganics	BERYLLIUM			0.56	NA		
			Inorganics	CADMIUM			287	0.6		
			Inorganics	CALCIUM			55100	NA		
			Inorganics	CHROMIUM			602	26.0		
			Inorganics	COBALT			7.5	NA		
			Inorganics	COPPER			198	16.0		
			Inorganics	IRON			20300	NA		
			Inorganics	LEAD			532	31.0		
			Inorganics	MAGNESIUM			12100	NA		
			Inorganics	MANGANESE			429	460.0		
			Inorganics	MERCURY			0.32	0.15		
			Inorganics	NICKEL			88.5	16.0		
			Inorganics	POTASSIUM			1140	NA		
			Inorganics	SELENIUM			1	NA		
			Inorganics	SILVER			3.4	1.0		
			Inorganics	SODIUM			15000	NA		
			Inorganics	THALLIUM			0.85	NA		
			Inorganics	VANADIUM			21.7	NA		
			Inorganics	ZINC			2960	120.0		
			PCBs	Aroclor-1242	15000	1000				
			PCBs	Aroclor-1248	26000	1000				
			Pesticides	4,4'-DDE	65	0.01				
			Pesticides	4,4'-DDT	69	0.01				
			Pesticides	Endosulfan I	19	0.03				
			Pesticides	Endosulfan II	6.9	0.03				
			Pesticides	Endrin	11	0.8				
			Pesticides	Methoxychlor	38	0.6				
			SVOCs/BNAs	Acenaphthene	210	140				
			SVOCs/BNAs	Anthracene	500	107				
			SVOCs/BNAs	Benzo(a)anthracene	1700	12				
			SVOCs/BNAs	Benzo(a)pyrene	1700	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	12000	199.5				
			SVOCs/BNAs	Fluoranthene	4500	1020				
			SVOCs/BNAs	Naphthalene	260	30				
			SVOCs/BNAs	Phenol	840	0.5				
			SVOCs/BNAs	Pyrene	3400	961				
R2-11	30	36	Inorganics	ARSENIC			10.2	6.0		
			Inorganics	CADMIUM			24.5	0.6		
			Inorganics	CHROMIUM			176	26.0		
			Inorganics	COPPER			158	16.0		
			Inorganics	LEAD			81.2	31.0		
			Inorganics	MERCURY			0.59	0.15		
			Inorganics	NICKEL			42.6	16.0		
			Inorganics	SILVER			5.2	1.0		
			Inorganics	ZINC			435	120.0		
			Pesticides	4,4'-DDD	4.1	0.01				
			Pesticides	4,4'-DDT	8.5	0.01				
			Pesticides	Endosulfan I	2.1	0.03				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-11 (cont.)	30	36	Pesticides	Endosulfan II	4.1	0.03				
			Pesticides	Endrin	4.1	0.8				
			Pesticides	Methoxychlor	1.2	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	210	12				
			SVOCs/BNAs	Benzo(a)pyrene	200	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	240	199.5				
			SVOCs/BNAs	Phenol	37	0.5				
R2-11	42	48	Inorganics	ARSENIC			7.2	6.0		
			Inorganics	CADMIUM			0.73	0.6		
			Inorganics	COPPER			21.7	16.0		
			Inorganics	NICKEL			17.7	16.0		
			Pesticides	4,4'-DDD	13	0.01				
			Pesticides	Endrin	13	0.8				
			SVOCs/BNAs	Benzo(a)anthracene	77	12				
			SVOCs/BNAs	Benzo(a)pyrene	65	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	330	199.5				
			SVOCs/BNAs	Phenol	120	0.5				
R2-11	54	60	Inorganics	ARSENIC			8.4	6.0		
			Inorganics	CADMIUM			8.1	0.6		
			Inorganics	CHROMIUM			46.1	26.0		
			Inorganics	COPPER			44.8	16.0		
			Inorganics	NICKEL			24.7	16.0		
			Inorganics	ZINC			148	120.0		
			Pesticides	4,4'-DDE	7.7	0.01				
			Pesticides	Endrin	18	0.8				
			Pesticides	Methoxychlor	1.6	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	78	12				
			SVOCs/BNAs	Benzo(a)pyrene	96	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	340	199.5				
			SVOCs/BNAs	Phenol	160	0.5				
R2-11	66	72	Inorganics	ARSENIC			6.2	6.0		
			Inorganics	NICKEL			18.5	16.0		
			SVOCs/BNAs	Benzo(a)pyrene	10	1.3				
			SVOCs/BNAs	Phenol	36	0.5				
R2-12	0	6	Dioxins and Furans	OCDD					34000	1000
			Dioxins and Furans	Total HpCDD					18000	1000
			Dioxins and Furans	Total HpCDF					1600	1000
			Dioxins and Furans	Total HxCDD					10000	1000
			Dioxins and Furans	Total HxCDF					1300	1000
			Dioxins and Furans	Total PeCDD					2400	1000
			Inorganics	ANTIMONY			13.1	2.0		
			Inorganics	ARSENIC			8.5	6.0		
			Inorganics	CADMIUM			107	0.6		
			Inorganics	CHROMIUM			149	26.0		
			Inorganics	COPPER			132	16.0		
			Inorganics	LEAD			284	31.0		
			Inorganics	MANGANESE			886	460.0		
			Inorganics	MERCURY			0.17	0.15		
			Inorganics	NICKEL			34.4	16.0		
			Inorganics	SILVER			2.1	1.0		
			Inorganics	ZINC			1430	120.0		
			PCBs	Aroclor-1242	1600	1000				
			Pesticides	4,4'-DDD	20	0.01				
			Pesticides	4,4'-DDE	8.5	0.01				
			Pesticides	4,4'-DDT	25	0.01				
			Pesticides	Dieldrin	5.6	0.1				
			Pesticides	Endosulfan II	5.6	0.03				
			Pesticides	Endrin	6.9	0.8				
			Pesticides	Heptachlor epoxide	7	0.0008				
			Pesticides	Methoxychlor	37	0.6				
			SVOCs/BNAs	Acenaphthene	5700	140				
			SVOCs/BNAs	Anthracene	7900	107				
			SVOCs/BNAs	Benzo(a)anthracene	23000	12				
			SVOCs/BNAs	Benzo(a)pyrene	18000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	4900	199.5				
			SVOCs/BNAs	Fluoranthene	73000	1020				
			SVOCs/BNAs	Naphthalene	4100	30				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-12 (cont.)	0	6	SVOCs/BNAs	Phenol	280	0.5				
			SVOCs/BNAs	Pyrene	54000	961				
			VOCs	C3 Benzene	120	0.6				
			VOCs	C4 Benzene	120	0.6				
			VOCs	C5 Benzene	45	0.6				
			VOCs	Vinyl chloride	2.1	0.07				
R2-12	6	12	Inorganics	ANTIMONY			2	2.0		
			Inorganics	ARSENIC			11.9	6.0		
			Inorganics	CADMIUM			220	0.6		
			Inorganics	CHROMIUM			236	26.0		
			Inorganics	COPPER			202	16.0		
			Inorganics	LEAD			509	31.0		
			Inorganics	MANGANESE			1280	460.0		
			Inorganics	MERCURY			0.26	0.15		
			Inorganics	NICKEL			21.2	16.0		
			Inorganics	ZINC			2340	120.0		
			PCBs	Aroclor-1242	3900	1000				
			Pesticides	4,4'-DDD	28	0.01				
			Pesticides	4,4'-DDE	10	0.01				
			Pesticides	4,4'-DDT	160	0.01				
			Pesticides	Aldrin	41	0.1				
			Pesticides	Dieldrin	50	0.1				
			Pesticides	Endosulfan I	26	0.03				
			Pesticides	Endosulfan II	50	0.03				
			Pesticides	Endrin	11	0.8				
			Pesticides	Heptachlor epoxide	26	0.0008				
			Pesticides	Methoxychlor	280	0.6				
			SVOCs/BNAs	Acenaphthene	11000	140				
			SVOCs/BNAs	Anthracene	22000	107				
			SVOCs/BNAs	Benzo(a)anthracene	42000	12				
			SVOCs/BNAs	Benzo(a)pyrene	32000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	7300	199.5				
			SVOCs/BNAs	Fluoranthene	98000	1020				
			SVOCs/BNAs	Naphthalene	8600	30				
			SVOCs/BNAs	Phenol	390	0.5				
			SVOCs/BNAs	Pyrene	71000	961				
			VOCs	Benzene	7	0.6				
			VOCs	C3 Benzene	190	0.6				
			VOCs	C4 Benzene	180	0.6				
			VOCs	C5 Benzene	57	0.6				
			VOCs	Vinyl chloride	4.1	0.07				
R2-12	18	24	Inorganics	ANTIMONY			2.7	2.0		
			Inorganics	ARSENIC			11.6	6.0		
			Inorganics	CADMIUM			462	0.6		
			Inorganics	CHROMIUM			608	26.0		
			Inorganics	COPPER			234	16.0		
			Inorganics	LEAD			856	31.0		
			Inorganics	MANGANESE			868	460.0		
			Inorganics	MERCURY			0.27	0.15		
			Inorganics	NICKEL			54.1	16.0		
			Inorganics	SILVER			2.3	1.0		
			Inorganics	ZINC			4430	120.0		
			PCBs	Aroclor-1242	7000	1000				
			Pesticides	4,4'-DDD	21	0.01				
			Pesticides	4,4'-DDE	16	0.01				
			Pesticides	4,4'-DDT	33	0.01				
			Pesticides	Aldrin	11	0.1				
			Pesticides	Dieldrin	24	0.1				
			Pesticides	Endosulfan I	4.6	0.03				
			Pesticides	Endrin	6.4	0.8				
			Pesticides	Methoxychlor	28	0.6				
			SVOCs/BNAs	Acenaphthene	630	140				
			SVOCs/BNAs	Anthracene	1400	107				
			SVOCs/BNAs	Benzo(a)anthracene	4300	12				
			SVOCs/BNAs	Benzo(a)pyrene	3300	1.3				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-12 (cont.)	18	24	SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	4800	199.5				
			SVOCs/BNAs	Fluoranthene	10000	1020				
			SVOCs/BNAs	Naphthalene	380	30				
			SVOCs/BNAs	Phenol	1300	0.5				
			SVOCs/BNAs	Pyrene	7800	961				
			VOCs	C4 Benzene	150	0.6				
			VOCs	C5 Benzene	110	0.6				
			VOCs	Vinyl chloride	1.8	0.07				
R2-13	0	6	Inorganics	ANTIMONY			10.4	2.0		
			Inorganics	CADMIUM			5.7	0.6		
			Inorganics	CHROMIUM			51.6	26.0		
			Inorganics	COPPER			57.1	16.0		
			Inorganics	LEAD			45.2	31.0		
			Inorganics	NICKEL			21.1	16.0		
			Inorganics	ZINC			198	120.0		
			PCBs	Aroclor-1242	1100	1000				
			Pesticides	4,4'-DDT	9	0.01				
			Pesticides	Endosulfan II	7.9	0.03				
			Pesticides	Methoxychlor	29	0.6				
			SVOCs/BNAs	Acenaphthene	3700	140				
			SVOCs/BNAs	Anthracene	10000	107				
			SVOCs/BNAs	Benzo(a)anthracene	27000	12				
			SVOCs/BNAs	Benzo(a)pyrene	21000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	8400	199.5				
			SVOCs/BNAs	Fluoranthene	60000	1020				
			SVOCs/BNAs	Naphthalene	1400	30				
			SVOCs/BNAs	Pyrene	59000	961				
R2-13	6	12	Inorganics	ARSENIC			6.7	6.0		
			Inorganics	CADMIUM			3	0.6		
			Inorganics	CHROMIUM			47	26.0		
			Inorganics	COPPER			65.7	16.0		
			Inorganics	LEAD			138	31.0		
			Inorganics	MERCURY			0.18	0.15		
			Inorganics	NICKEL			23.6	16.0		
			Inorganics	SILVER			1.2	1.0		
			Inorganics	ZINC			265	120.0		
			Pesticides	4,4'-DDT	4.6	0.01				
			Pesticides	Endosulfan II	4.6	0.03				
			Pesticides	Heptachlor	1	0.0008				
			Pesticides	Heptachlor epoxide	2.4	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	340	12				
			SVOCs/BNAs	Benzo(a)pyrene	310	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	310	199.5				
			SVOCs/BNAs	Phenol	22	0.5				
R2-13	18	24	Inorganics	ARSENIC			8.3	6.0		
			Inorganics	CADMIUM			6.6	0.6		
			Inorganics	CHROMIUM			112	26.0		
			Inorganics	COPPER			114	16.0		
			Inorganics	LEAD			240	31.0		
			Inorganics	MERCURY			0.26	0.15		
			Inorganics	NICKEL			42.5	16.0		
			Inorganics	SILVER			3.4	1.0		
			Inorganics	ZINC			338	120.0		
			Pesticides	4,4'-DDE	5.3	0.01				
			Pesticides	4,4'-DDT	7.5	0.01				
			Pesticides	Endosulfan II	7.3	0.03				
			Pesticides	Endrin	5.3	0.8				
			SVOCs/BNAs	Benzo(a)anthracene	250	12				
			SVOCs/BNAs	Benzo(a)pyrene	210	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	250	199.5				
			SVOCs/BNAs	Phenol	280	0.5				
R2-14	0	6	Dioxins and Furans	OCDD					4100	1000
			Dioxins and Furans	Total HpCDD					1000	1000
			Inorganics	CADMIUM			3.2	0.6		
			Inorganics	CHROMIUM			55.7	26.0		
			Inorganics	COPPER			73.2	16.0		
			Inorganics	LEAD			91.8	31.0		

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-14 (cont.)	0	6	Inorganics	MERCURY			0.16	0.15		
			Inorganics	NICKEL			23	16.0		
			Inorganics	SILVER			1.1	1.0		
			Inorganics	ZINC			257	120.0		
			Pesticides	4,4'-DDT	5.5	0.01				
			Pesticides	Endosulfan II	11	0.03				
			Pesticides	Heptachlor epoxide	8.6	0.0008				
			Pesticides	Methoxychlor	29	0.6				
			SVOCs/BNAs	Acenaphthene	560	140				
			SVOCs/BNAs	Anthracene	870	107				
			SVOCs/BNAs	Benzo(a)anthracene	2900	12				
			SVOCs/BNAs	Benzo(a)pyrene	2500	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1600	199.5				
			SVOCs/BNAs	Fluoranthene	5300	1020				
			SVOCs/BNAs	Naphthalene	750	30				
			SVOCs/BNAs	Phenol	82	0.5				
			SVOCs/BNAs	Pyrene	5900	961				
R2-14	6	12	Inorganics	ARSENIC			7.2	6.0		
			Inorganics	CADMIUM			6.7	0.6		
			Inorganics	CHROMIUM			108	26.0		
			Inorganics	COPPER			95.5	16.0		
			Inorganics	LEAD			203	31.0		
			Inorganics	MERCURY			0.17	0.15		
			Inorganics	NICKEL			35.8	16.0		
			Inorganics	SILVER			2.7	1.0		
			Inorganics	ZINC			325	120.0		
			PCBs	Aroclor-1242	1100	1000				
			Pesticides	4,4'-DDE	5.1	0.01				
			Pesticides	4,4'-DDT	8.4	0.01				
			Pesticides	Endosulfan II	5.1	0.03				
			Pesticides	Endrin	5.1	0.8				
			Pesticides	Heptachlor epoxide	2.6	0.0008				
			Pesticides	Methoxychlor	26	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	360	12				
			SVOCs/BNAs	Benzo(a)pyrene	340	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	400	199.5				
			SVOCs/BNAs	Phenol	51	0.5				
			VOCs	C4 Benzene	46	0.6				
			VOCs	C5 Benzene	20	0.6				
R2-14	18	24	Inorganics	ARSENIC			8.3	6.0		
			Inorganics	CADMIUM			17.2	0.6		
			Inorganics	CHROMIUM			248	26.0		
			Inorganics	COPPER			128	16.0		
			Inorganics	LEAD			280	31.0		
			Inorganics	MERCURY			0.38	0.15		
			Inorganics	NICKEL			66.3	16.0		
			Inorganics	SILVER			3.6	1.0		
			Inorganics	ZINC			448	120.0		
			PCBs	Aroclor-1242	2000	1000				
			Pesticides	4,4'-DDE	10	0.01				
			Pesticides	4,4'-DDT	13	0.01				
			Pesticides	Endosulfan II	5.4	0.03				
			Pesticides	Endrin	5.4	0.8				
			Pesticides	Heptachlor epoxide	3.1	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	190	12				
			SVOCs/BNAs	Benzo(a)pyrene	310	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	310	199.5				
			SVOCs/BNAs	Phenol	790	0.5				
R2-15	0	6	Inorganics	CADMIUM			1.2	0.6		
			Inorganics	COPPER			21.2	16.0		
			PCBs	Aroclor-1260	18000	1000				
			Pesticides	Dieldrin	110	0.1				
			Pesticides	Endosulfan I	2.1	0.03				
			Pesticides	Endosulfan II	41	0.03				
			Pesticides	Endrin	28	0.8				
			Pesticides	Heptachlor	3.9	0.0008				
			Pesticides	Heptachlor epoxide	4.3	0.0008				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-15 (cont.)	0	6	SVOCs/BNAs	Acenaphthene	170	140				
			SVOCs/BNAs	Anthracene	590	107				
			SVOCs/BNAs	Benzo(a)anthracene	2000	12				
			SVOCs/BNAs	Benzo(a)pyrene	1500	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1100	199.5				
			SVOCs/BNAs	Fluoranthene	4100	1020				
			SVOCs/BNAs	Naphthalene	45	30				
			SVOCs/BNAs	Pyrene	4100	961				
R2-15	6	12	Inorganics	CADMIUM			2.4	0.6		
			Inorganics	CHROMIUM			34.7	26.0		
			Inorganics	COPPER			51.8	16.0		
			Inorganics	LEAD			61.1	31.0		
			Inorganics	NICKEL			17	16.0		
			Inorganics	ZINC			172	120.0		
			PCBs	Aroclor-1242	2000	1000				
			PCBs	Aroclor-1248	1700	1000				
			Pesticides	4,4'-DDT	44	0.01				
			Pesticides	Dieldrin	17	0.1				
			Pesticides	Endosulfan I	3	0.03				
			Pesticides	Endosulfan II	5.4	0.03				
			Pesticides	Endrin	3.6	0.8				
			Pesticides	Heptachlor	6.9	0.0008				
			Pesticides	Heptachlor epoxide	3.7	0.0008				
			Pesticides	Methoxychlor	51	0.6				
			SVOCs/BNAs	Acenaphthene	470	140				
			SVOCs/BNAs	Anthracene	1000	107				
			SVOCs/BNAs	Benzo(a)anthracene	3300	12				
			SVOCs/BNAs	Benzo(a)pyrene	2600	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1100	199.5				
			SVOCs/BNAs	Fluoranthene	7400	1020				
			SVOCs/BNAs	Naphthalene	350	30				
			SVOCs/BNAs	Phenol	120	0.5				
			SVOCs/BNAs	Pyrene	6700	961				
R2-15	18	24	Inorganics	ARSENIC			7.5	6.0		
			Inorganics	CADMIUM			6.3	0.6		
			Inorganics	CHROMIUM			99.5	26.0		
			Inorganics	COPPER			101	16.0		
			Inorganics	LEAD			231	31.0		
			Inorganics	MERCURY			0.52	0.15		
			Inorganics	NICKEL			38.1	16.0		
			Inorganics	SILVER			2.7	1.0		
			Inorganics	ZINC			289	120.0		
			PCBs	Aroclor-1248	2900	1000				
			Pesticides	4,4'-DDE	3.3	0.01				
			Pesticides	Endosulfan II	5.6	0.03				
			Pesticides	Endrin	4.9	0.8				
			Pesticides	Heptachlor epoxide	1.7	0.0008				
			Pesticides	Methoxychlor	29	0.6				
			SVOCs/BNAs	Anthracene	110	107				
			SVOCs/BNAs	Benzo(a)anthracene	390	12				
			SVOCs/BNAs	Benzo(a)pyrene	360	1.3				
			SVOCs/BNAs	Fluoranthene	1100	1020				
			SVOCs/BNAs	Phenol	480	0.5				
R2-15	30	36	Inorganics	ARSENIC			6.7	6.0		
			Inorganics	CADMIUM			4.4	0.6		
			Inorganics	CHROMIUM			105	26.0		
			Inorganics	COPPER			104	16.0		
			Inorganics	LEAD			172	31.0		
			Inorganics	MERCURY			0.21	0.15		
			Inorganics	NICKEL			42.1	16.0		
			Inorganics	SILVER			2.4	1.0		
			Inorganics	ZINC			287	120.0		
			PCBs	Aroclor-1248	5500	1000				
			Pesticides	4,4'-DDD	5.5	0.01				
			Pesticides	Endosulfan I	7.5	0.03				
			Pesticides	Endosulfan II	5.5	0.03				
			Pesticides	Endrin	6.2	0.8				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-15 (cont.)	30	36	Pesticides	Heptachlor	24	0.0008				
			Pesticides	Heptachlor epoxide	11	0.0008				
			Pesticides	Methoxychlor	28	0.6				
			SVOCs/BNAs	Acenaphthene	140	140				
			SVOCs/BNAs	Anthracene	280	107				
			SVOCs/BNAs	Benzo(a)anthracene	1300	12				
			SVOCs/BNAs	Benzo(a)pyrene	1500	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1300	199.5				
			SVOCs/BNAs	Fluoranthene	3300	1020				
			SVOCs/BNAs	Naphthalene	76	30				
			SVOCs/BNAs	Phenol	47	0.5				
			SVOCs/BNAs	Pyrene	3400	961				
R2-15	42	48	Inorganics	ARSENIC			7.5	6.0		
			Inorganics	CADMIUM			13.8	0.6		
			Inorganics	CHROMIUM			289	26.0		
			Inorganics	COPPER			140	16.0		
			Inorganics	LEAD			234	31.0		
			Inorganics	MERCURY			0.34	0.15		
			Inorganics	NICKEL			83.9	16.0		
			Inorganics	SILVER			2.7	1.0		
			Inorganics	ZINC			451	120.0		
			PCBs	Aroclor-1248	3800	1000				
			Pesticides	4,4'-DDD	9	0.01				
			Pesticides	4,4'-DDE	23	0.01				
			Pesticides	4,4'-DDT	45	0.01				
			Pesticides	Endosulfan I	10	0.03				
			Pesticides	Endosulfan II	6.2	0.03				
			Pesticides	Endrin	8.2	0.8				
			Pesticides	Heptachlor	89	0.0008				
			Pesticides	Heptachlor epoxide	19	0.0008				
			Pesticides	Methoxychlor	32	0.6				
			SVOCs/BNAs	Anthracene	160	107				
			SVOCs/BNAs	Benzo(a)anthracene	1200	12				
			SVOCs/BNAs	Benzo(a)pyrene	1200	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1700	199.5				
			SVOCs/BNAs	Fluoranthene	2500	1020				
			SVOCs/BNAs	Naphthalene	75	30				
			SVOCs/BNAs	Phenol	52	0.5				
			SVOCs/BNAs	Pyrene	3400	961				
R2-15	54	60	Inorganics	ARSENIC			10.7	6.0		
			Inorganics	CADMIUM			28.7	0.6		
			Inorganics	CHROMIUM			261	26.0		
			Inorganics	COPPER			188	16.0		
			Inorganics	LEAD			148	31.0		
			Inorganics	MERCURY			0.68	0.15		
			Inorganics	NICKEL			68.7	16.0		
			Inorganics	SILVER			7.3	1.0		
			Inorganics	ZINC			455	120.0		
			PCBs	Aroclor-1248	1800	1000				
			Pesticides	Endosulfan II	7.4	0.03				
			Pesticides	Endrin	3.9	0.8				
			Pesticides	Heptachlor epoxide	4.9	0.0008				
			Pesticides	Methoxychlor	38	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	350	12				
			SVOCs/BNAs	Benzo(a)pyrene	380	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	380	199.5				
			SVOCs/BNAs	Naphthalene	37	30				
			SVOCs/BNAs	Phenol	55	0.5				
R2-15	66	72	Inorganics	ARSENIC			16.7	6.0		
			Inorganics	CADMIUM			4.2	0.6		
			Inorganics	CHROMIUM			54.2	26.0		
			Inorganics	COPPER			55.7	16.0		
			Inorganics	NICKEL			24.5	16.0		
			Inorganics	SILVER			1.2	1.0		
			Pesticides	4,4'-DDT	9.1	0.01				
			Pesticides	Endosulfan II	8.6	0.03				
			Pesticides	Endrin	8.6	0.8				

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Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-15 (cont.)	66	72	Pesticides	Heptachlor	4.4	0.0008				
			Pesticides	Methoxychlor	1.2	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	100	12				
			SVOCs/BNAs	Benzo(a)pyrene	120	1.3				
			SVOCs/BNAs	Phenol	68	0.5				
R2-15	78	84	Inorganics	COPPER			17.7	16.0		
			Inorganics	NICKEL			19.7	16.0		
			Pesticides	4,4'-DDD	6.1	0.01				
			Pesticides	Heptachlor	0.42	0.0008				
			Pesticides	Heptachlor epoxide	3.2	0.0008				
			SVOCs/BNAs	Phenol	36	0.5				
R2-16	0	6	Inorganics	ANTIMONY			7.4	2.0		
			Inorganics	CADMIUM			1.9	0.6		
			Inorganics	COPPER			26.2	16.0		
			Inorganics	MANGANESE			516	460.0		
			Inorganics	MERCURY			0.28	0.15		
			Pesticides	4,4'-DDT	12	0.01				
			Pesticides	Endosulfan II	4.7	0.03				
			Pesticides	Endrin	8.7	0.8				
			Pesticides	Heptachlor	4.1	0.0008				
			Pesticides	Heptachlor epoxide	3	0.0008				
			Pesticides	Methoxychlor	24	0.6				
			SVOCs/BNAs	Acenaphthene	650	140				
			SVOCs/BNAs	Anthracene	890	107				
			SVOCs/BNAs	Benzo(a)anthracene	3500	12				
			SVOCs/BNAs	Benzo(a)pyrene	2500	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1200	199.5				
			SVOCs/BNAs	Fluoranthene	7400	1020				
			SVOCs/BNAs	Naphthalene	290	30				
			SVOCs/BNAs	Pyrene	6100	961				
R2-16	6	12	Inorganics	CADMIUM			1.8	0.6		
			Inorganics	COPPER			25.1	16.0		
			Inorganics	LEAD			32	31.0		
			Pesticides	4,4'-DDE	4.7	0.01				
			Pesticides	Endosulfan II	4.7	0.03				
			Pesticides	Heptachlor epoxide	2.4	0.0008				
			Pesticides	Methoxychlor	24	0.6				
			SVOCs/BNAs	Acenaphthene	13000	140				
			SVOCs/BNAs	Anthracene	25000	107				
			SVOCs/BNAs	Benzo(a)anthracene	35000	12				
			SVOCs/BNAs	Benzo(a)pyrene	20000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1100	199.5				
			SVOCs/BNAs	Fluoranthene	71000	1020				
			SVOCs/BNAs	Naphthalene	53000	30				
			SVOCs/BNAs	Phenol	1000	0.5				
			SVOCs/BNAs	Pyrene	52000	961				
R2-16	18	24	Inorganics	ANTIMONY			2.4	2.0		
			Inorganics	CADMIUM			3.3	0.6		
			Inorganics	CHROMIUM			37	26.0		
			Inorganics	COPPER			32.8	16.0		
			Inorganics	LEAD			67	31.0		
			Inorganics	ZINC			129	120.0		
			PCBs	Aroclor-1242	1400	1000				
			Pesticides	4,4'-DDE	6	0.01				
			Pesticides	4,4'-DDT	9.9	0.01				
			Pesticides	Endosulfan II	4.8	0.03				
			Pesticides	Endrin	4.8	0.8				
			Pesticides	Heptachlor epoxide	2.6	0.0008				
			Pesticides	Methoxychlor	25	0.6				
			SVOCs/BNAs	Acenaphthene	190	140				
			SVOCs/BNAs	Anthracene	650	107				
			SVOCs/BNAs	Benzo(a)anthracene	1800	12				
			SVOCs/BNAs	Benzo(a)pyrene	1400	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1300	199.5				
			SVOCs/BNAs	Fluoranthene	5000	1020				

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R2-16 (cont.)	18	24	SVOCs/BNAs	Naphthalene	55	30				
			SVOCs/BNAs	Phenol	1000	0.5				
			SVOCs/BNAs	Pyrene	4200	961				
R2-17	0	6	Inorganics	CADMIUM			3	0.6		
			Inorganics	CHROMIUM			45.4	26.0		
			Inorganics	COPPER			59	16.0		
			Inorganics	LEAD			58	31.0		
			Inorganics	MERCURY			0.16	0.15		
			Inorganics	NICKEL			20.3	16.0		
			Inorganics	ZINC			208	120.0		
			Pesticides	4,4'-DDT	5.1	0.01				
			Pesticides	Endosulfan II	5.9	0.03				
			Pesticides	Endrin	5.9	0.8				
			Pesticides	Heptachlor	3.1	0.0008				
			Pesticides	Heptachlor epoxide	3.1	0.0008				
			Pesticides	Methoxychlor	31	0.6				
			SVOCs/BNAs	Acenaphthene	140	140				
			SVOCs/BNAs	Anthracene	620	107				
			SVOCs/BNAs	Benzo(a)anthracene	1700	12				
			SVOCs/BNAs	Benzo(a)pyrene	1500	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1500	199.5				
			SVOCs/BNAs	Fluoranthene	4200	1020				
			SVOCs/BNAs	Pyrene	3000	961				
R2-17	6	12	Inorganics	ANTIMONY			2.8	2.0		
			Inorganics	CADMIUM			2	0.6		
			Inorganics	CHROMIUM			42.1	26.0		
			Inorganics	COPPER			61.8	16.0		
			Inorganics	LEAD			67.5	31.0		
			Inorganics	MERCURY			0.17	0.15		
			Inorganics	NICKEL			20.3	16.0		
			Inorganics	SILVER			2.1	1.0		
			Inorganics	ZINC			216	120.0		
			Pesticides	4,4'-DDE	5.5	0.01				
			Pesticides	Endosulfan II	5.5	0.03				
			Pesticides	Heptachlor	2.6	0.0008				
			Pesticides	Heptachlor epoxide	2.8	0.0008				
			Pesticides	Methoxychlor	28	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	460	12				
			SVOCs/BNAs	Benzo(a)pyrene	430	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	290	199.5				
			SVOCs/BNAs	Fluoranthene	1200	1020				
			SVOCs/BNAs	Naphthalene	31	30				
			SVOCs/BNAs	Phenol	26	0.5				
			SVOCs/BNAs	Pyrene	1000	961				
R2-17	18	24	Inorganics	ANTIMONY			2.6	2.0		
			Inorganics	CADMIUM			2.2	0.6		
			Inorganics	CHROMIUM			33.1	26.0		
			Inorganics	COPPER			47	16.0		
			Inorganics	LEAD			96.2	31.0		
			Inorganics	NICKEL			18.6	16.0		
			Inorganics	ZINC			197	120.0		
			Pesticides	4,4'-DDE	5.1	0.01				
			Pesticides	Endosulfan II	5.1	0.03				
			Pesticides	Heptachlor	1.2	0.0008				
			Pesticides	Methoxychlor	26	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	180	12				
			SVOCs/BNAs	Benzo(a)pyrene	260	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	260	199.5				
			SVOCs/BNAs	Phenol	370	0.5				
R2-2	0	6	Inorganics	ANTIMONY			13.6	2.0		
			Inorganics	ARSENIC			19	6.0		
			Inorganics	CADMIUM			77.7	0.6		
			Inorganics	CHROMIUM			247	26.0		
			Inorganics	COPPER			433	16.0		
			Inorganics	LEAD			273	31.0		
			Inorganics	MERCURY			1.2	0.15		

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R2-2	0	6	Inorganics	NICKEL			52.4	16.0		
			Inorganics	SILVER			18	1.0		
			Inorganics	ZINC			1640	120.0		
			Pesticides	4,4'-DDT	6.8	0.01				
			Pesticides	Endosulfan II	6.8	0.03				
			Pesticides	Endrin	6.8	0.8				
			Pesticides	Heptachlor epoxide	3.5	0.0008				
			Pesticides	Methoxychlor	35	0.6				
			SVOCs/BNAs	Anthracene	160	107				
			SVOCs/BNAs	Benzo(a)anthracene	1000	12				
			SVOCs/BNAs	Benzo(a)pyrene	1300	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	380	199.5				
			SVOCs/BNAs	Fluoranthene	2700	1020				
			SVOCs/BNAs	Naphthalene	140	30				
			SVOCs/BNAs	Phenol	63	0.5				
			SVOCs/BNAs	Pyrene	2200	961				
R2-2	6	12	Inorganics	ANTIMONY			2.2	2.0		
			Inorganics	ARSENIC			23.6	6.0		
			Inorganics	CADMIUM			33.6	0.6		
			Inorganics	CHROMIUM			75.9	26.0		
			Inorganics	COPPER			427	16.0		
			Inorganics	LEAD			152	31.0		
			Inorganics	MERCURY			2.1	0.15		
			Inorganics	NICKEL			38.2	16.0		
			Inorganics	SILVER			22.2	1.0		
			Inorganics	ZINC			1190	120.0		
			Pesticides	4,4'-DDT	4.6	0.01				
			Pesticides	Endosulfan II	7.3	0.03				
			Pesticides	Endrin	7.3	0.8				
			Pesticides	Heptachlor	3.8	0.0008				
			Pesticides	Heptachlor epoxide	3.8	0.0008				
			Pesticides	Methoxychlor	38	0.6				
			SVOCs/BNAs	Anthracene	130	107				
			SVOCs/BNAs	Benzo(a)anthracene	670	12				
			SVOCs/BNAs	Benzo(a)pyrene	600	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	370	199.5				
			SVOCs/BNAs	Fluoranthene	1400	1020				
			SVOCs/BNAs	Naphthalene	120	30				
			SVOCs/BNAs	Phenol	81	0.5				
			SVOCs/BNAs	Pyrene	1300	961				
R2-2	18	24	Inorganics	COPPER			17.7	16.0		
			Pesticides	Endosulfan II	0.21	0.03				
			Pesticides	Heptachlor epoxide	3.3	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	22	12				
			SVOCs/BNAs	Benzo(a)pyrene	20	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	330	199.5				
			SVOCs/BNAs	Phenol	390	0.5				
R2-3	0	6	Inorganics	ARSENIC			9.9	6.0		
			Inorganics	CADMIUM			1.3	0.6		
			Inorganics	COPPER			49.4	16.0		
			Inorganics	LEAD			39	31.0		
			Inorganics	MERCURY			0.44	0.15		
			Inorganics	NICKEL			21.3	16.0		
			Inorganics	SILVER			2.2	1.0		
			Pesticides	4,4'-DDE	7.8	0.01				
			Pesticides	Endosulfan II	7.8	0.03				
			Pesticides	Heptachlor	4	0.0008				
			Pesticides	Heptachlor epoxide	4	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	62	12				
			SVOCs/BNAs	Benzo(a)pyrene	62	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	420	199.5				
			SVOCs/BNAs	Phenol	60	0.5				
R2-3	6	12	Inorganics	ANTIMONY			2.8	2.0		
			Inorganics	ARSENIC			12.4	6.0		
			Inorganics	CADMIUM			1.2	0.6		
			Inorganics	COPPER			52	16.0		

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-3 (cont.)	6	12	Inorganics	LEAD			31.6	31.0		
			Inorganics	MERCURY			0.42	0.15		
			Inorganics	NICKEL			22.5	16.0		
			Inorganics	SILVER			1.2	1.0		
			Pesticides	4,4'-DDT	8.3	0.01				
			Pesticides	Endosulfan II	8.3	0.03				
			Pesticides	Heptachlor	4.3	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	18	12				
			SVOCs/BNAs	Benzo(a)pyrene	14	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	390	199.5				
			SVOCs/BNAs	Phenol	48	0.5				
R2-3	18	24	SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	360	199.5				
			SVOCs/BNAs	Phenol	550	0.5				
R2-4	0	6	Inorganics	ANTIMONY			2	2.0		
			Inorganics	ARSENIC			10.2	6.0		
			Inorganics	CADMIUM			7.6	0.6		
			Inorganics	CHROMIUM			47.5	26.0		
			Inorganics	COPPER			112	16.0		
			Inorganics	LEAD			50.5	31.0		
			Inorganics	MERCURY			1.3	0.15		
			Inorganics	NICKEL			28.2	16.0		
			Inorganics	SILVER			4.4	1.0		
			Inorganics	ZINC			239	120.0		
			PCBs	Aroclor-1242	1200	1000				
			Pesticides	4,4'-DDE	8.5	0.01				
			Pesticides	Endosulfan II	8.5	0.03				
			Pesticides	Heptachlor	9.6	0.0008				
			Pesticides	Heptachlor epoxide	4.4	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	100	12				
			SVOCs/BNAs	Benzo(a)pyrene	110	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	420	199.5				
			SVOCs/BNAs	Phenol	55	0.5				
R2-4	6	12	Inorganics	ANTIMONY			2.8	2.0		
			Inorganics	ARSENIC			13.7	6.0		
			Inorganics	CADMIUM			3.4	0.6		
			Inorganics	CHROMIUM			32.4	26.0		
			Inorganics	COPPER			80.6	16.0		
			Inorganics	MERCURY			0.55	0.15		
			Inorganics	NICKEL			23.9	16.0		
			Inorganics	SILVER			1.8	1.0		
			Inorganics	ZINC			121	120.0		
			Pesticides	Endosulfan II	8.1	0.03				
			Pesticides	Heptachlor epoxide	4.2	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	84	12				
			SVOCs/BNAs	Benzo(a)pyrene	81	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	470	199.5				
			SVOCs/BNAs	Phenol	55	0.5				
R2-4	18	24	Inorganics	ANTIMONY			4.6	2.0		
			Inorganics	ARSENIC			13.5	6.0		
			Inorganics	CADMIUM			1.5	0.6		
			Inorganics	COPPER			54.1	16.0		
			Inorganics	NICKEL			19.8	16.0		
			Inorganics	SILVER			1.2	1.0		
			Pesticides	4,4'-DDD	14	0.01				
			Pesticides	Endosulfan II	14	0.03				
			Pesticides	Heptachlor	7.4	0.0008				
			Pesticides	Heptachlor epoxide	7.4	0.0008				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	720	199.5				
			SVOCs/BNAs	Phenol	900	0.5				
R2-5	0	6	Inorganics	ANTIMONY			2.6	2.0		
			Inorganics	ARSENIC			17	6.0		
			Inorganics	CADMIUM			2	0.6		
			Inorganics	COPPER			104	16.0		
			Inorganics	MERCURY			0.33	0.15		
			Inorganics	NICKEL			25.6	16.0		

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-5 (cont.)	0	6	Inorganics	SILVER			2.3	1.0		
			Pesticides	4,4'-DDE	10	0.01				
			Pesticides	Endosulfan II	10	0.03				
			Pesticides	Heptachlor	5.1	0.0008				
			Pesticides	Heptachlor epoxide	5.1	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	41	12				
			SVOCs/BNAs	Benzo(a)pyrene	40	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	530	199.5				
			SVOCs/BNAs	Phenol	64	0.5				
R2-5	6	12	Inorganics	ANTIMONY			3.6	2.0		
			Inorganics	ARSENIC			17.1	6.0		
			Inorganics	CADMIUM			2	0.6		
			Inorganics	COPPER			84.7	16.0		
			Inorganics	MERCURY			0.93	0.15		
			Inorganics	NICKEL			20.5	16.0		
			Inorganics	SILVER			1.2	1.0		
			Pesticides	4,4'-DDD	15	0.01				
			Pesticides	Endosulfan II	15	0.03				
			Pesticides	Endrin	15	0.8				
			Pesticides	Heptachlor	8	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	27	12				
			SVOCs/BNAs	Benzo(a)pyrene	29	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	820	199.5				
			SVOCs/BNAs	Phenol	110	0.5				
R2-5	18	24	Inorganics	ANTIMONY			2.9	2.0		
			Inorganics	ARSENIC			8.8	6.0		
			Inorganics	CADMIUM			0.74	0.6		
			Inorganics	COPPER			31.8	16.0		
			Inorganics	NICKEL			19.6	16.0		
			Pesticides	4,4'-DDD	9.7	0.01				
			Pesticides	Endosulfan I	5	0.03				
			Pesticides	Endosulfan II	9.7	0.03				
			Pesticides	Heptachlor	5	0.0008				
			Pesticides	Heptachlor epoxide	5	0.0008				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	490	199.5				
			SVOCs/BNAs	Phenol	1500	0.5				
R2-6	0	6	Inorganics	ANTIMONY			4	2.0		
			Inorganics	ARSENIC			14.2	6.0		
			Inorganics	CADMIUM			1.5	0.6		
			Inorganics	COPPER			66.9	16.0		
			Inorganics	MERCURY			0.18	0.15		
			Inorganics	NICKEL			24.6	16.0		
			Inorganics	SILVER			1	1.0		
			Pesticides	4,4'-DDD	12	0.01				
			Pesticides	Endosulfan II	12	0.03				
			Pesticides	Heptachlor	6.4	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	76	12				
			SVOCs/BNAs	Benzo(a)pyrene	96	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	590	199.5				
			SVOCs/BNAs	Phenol	99	0.5				
R2-6	6	12	Inorganics	ANTIMONY			3.5	2.0		
			Inorganics	ARSENIC			12.4	6.0		
			Inorganics	CADMIUM			0.97	0.6		
			Inorganics	COPPER			49.7	16.0		
			Inorganics	MERCURY			0.2	0.15		
			Inorganics	NICKEL			24.7	16.0		
			Pesticides	4,4'-DDD	16	0.01				
			Pesticides	Endosulfan I	8.4	0.03				
			Pesticides	Endosulfan II	16	0.03				
			Pesticides	Endrin	16	0.8				
			Pesticides	Heptachlor	8.4	0.0008				
			Pesticides	Heptachlor epoxide	8.4	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	27	12				
			SVOCs/BNAs	Benzo(a)pyrene	27	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	830	199.5				
			SVOCs/BNAs	Phenol	120	0.5				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-6	18	24	Inorganics	ANTIMONY			4.3	2.0		
			Inorganics	ARSENIC			11.7	6.0		
			Inorganics	CADMIUM			1.1	0.6		
			Inorganics	COPPER			41.7	16.0		
			Inorganics	NICKEL			24.5	16.0		
			Inorganics	SILVER			1.1	1.0		
			Pesticides	Endosulfan I	7.5	0.03				
			Pesticides	Endosulfan II	14	0.03				
			Pesticides	Heptachlor	7.5	0.0008				
			Pesticides	Heptachlor epoxide	7.5	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	62	12				
			SVOCs/BNAs	Benzo(a)pyrene	67	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	750	199.5				
			SVOCs/BNAs	Phenol	490	0.5				
R2-7	0	6	Inorganics	ANTIMONY			3	2.0		
			Inorganics	ARSENIC			14.4	6.0		
			Inorganics	CADMIUM			1.9	0.6		
			Inorganics	CHROMIUM			28.1	26.0		
			Inorganics	COPPER			73	16.0		
			Inorganics	MERCURY			0.25	0.15		
			Inorganics	NICKEL			23.5	16.0		
			Pesticides	4,4'-DDE	11	0.01				
			Pesticides	Endosulfan I	5.5	0.03				
			Pesticides	Endosulfan II	3.1	0.03				
			Pesticides	Endrin	11	0.8				
			Pesticides	Heptachlor	5.5	0.0008				
			Pesticides	Heptachlor epoxide	5.5	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	440	12				
			SVOCs/BNAs	Benzo(a)pyrene	470	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	510	199.5				
			SVOCs/BNAs	Phenol	90	0.5				
R2-7	6	12	Inorganics	ANTIMONY			4.4	2.0		
			Inorganics	ARSENIC			16.7	6.0		
			Inorganics	CADMIUM			1.2	0.6		
			Inorganics	COPPER			56	16.0		
			Inorganics	MERCURY			0.23	0.15		
			Inorganics	NICKEL			25.4	16.0		
			Inorganics	SILVER			1.1	1.0		
			Pesticides	4,4'-DDD	17	0.01				
			Pesticides	4,4'-DDE	14	0.01				
			Pesticides	Endosulfan II	14	0.03				
			Pesticides	Heptachlor epoxide	8.9	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	160	12				
			SVOCs/BNAs	Benzo(a)pyrene	220	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	660	199.5				
			SVOCs/BNAs	Naphthalene	35	30				
			SVOCs/BNAs	Phenol	140	0.5				
R2-7	18	24	Inorganics	ANTIMONY			4.3	2.0		
			Inorganics	ARSENIC			12.5	6.0		
			Inorganics	CADMIUM			1.1	0.6		
			Inorganics	COPPER			45.8	16.0		
			Inorganics	NICKEL			31.7	16.0		
			Inorganics	SILVER			1.1	1.0		
			Pesticides	4,4'-DDD	14	0.01				
			Pesticides	Endosulfan II	17	0.03				
			Pesticides	Heptachlor epoxide	8.7	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	61	12				
			SVOCs/BNAs	Benzo(a)pyrene	94	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	860	199.5				
			SVOCs/BNAs	Naphthalene	34	30				
			SVOCs/BNAs	Phenol	930	0.5				
R2-7	30	36	Inorganics	ARSENIC			8.6	6.0		
			Inorganics	CADMIUM			1.3	0.6		
			Inorganics	CHROMIUM			29.4	26.0		
			Inorganics	COPPER			53.8	16.0		
			Inorganics	NICKEL			27.4	16.0		

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-7 (cont.)	30	36	Pesticides	4,4'-DDT	18	0.01				
			SVOCs/BNAs	Benzo(a)anthracene	77	12				
			SVOCs/BNAs	Benzo(a)pyrene	100	1.3				
R2-7	42	48	Inorganics	ARSENIC			16.7	6.0		
			Inorganics	COPPER			19.6	16.0		
			Inorganics	NICKEL			21.3	16.0		
			SVOCs/BNAs	Benzo(a)pyrene	10	1.3				
			SVOCs/BNAs	Phenol	12	0.5				
R2-7	54	60	Inorganics	NICKEL			20.8	16.0		
			Pesticides	4,4'-DDT	0.64	0.01				
			SVOCs/BNAs	Phenol	8.3	0.5				
R2-8	0	6	Inorganics	ARSENIC			7.1	6.0		
			Inorganics	CADMIUM			8.4	0.6		
			Inorganics	CHROMIUM			145	26.0		
			Inorganics	COPPER			109	16.0		
			Inorganics	LEAD			113	31.0		
			Inorganics	MERCURY			0.29	0.15		
			Inorganics	NICKEL			35.6	16.0		
			Inorganics	SILVER			3	1.0		
			Inorganics	ZINC			371	120.0		
			Pesticides	4,4'-DDD	6.3	0.01				
			Pesticides	4,4'-DDT	6.3	0.01				
			Pesticides	Endosulfan II	6.3	0.03				
			Pesticides	Heptachlor epoxide	3.3	0.0008				
			SVOCs/BNAs	Anthracene	200	107				
			SVOCs/BNAs	Benzo(a)anthracene	1400	12				
			SVOCs/BNAs	Benzo(a)pyrene	1600	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	840	199.5				
			SVOCs/BNAs	Fluoranthene	3700	1020				
			SVOCs/BNAs	Phenol	29	0.5				
			SVOCs/BNAs	Pyrene	3100	961				
R2-8	6	12	Inorganics	ARSENIC			8	6.0		
			Inorganics	CADMIUM			11.9	0.6		
			Inorganics	CHROMIUM			126	26.0		
			Inorganics	COPPER			113	16.0		
			Inorganics	LEAD			170	31.0		
			Inorganics	MERCURY			0.34	0.15		
			Inorganics	NICKEL			42.8	16.0		
			Inorganics	SILVER			3.3	1.0		
			Inorganics	ZINC			389	120.0		
			Pesticides	4,4'-DDE	7.3	0.01				
			Pesticides	4,4'-DDT	5.7	0.01				
			Pesticides	Endosulfan II	7.3	0.03				
			Pesticides	Endrin	7.3	0.8				
			Pesticides	Heptachlor	3.8	0.0008				
			Pesticides	Heptachlor epoxide	3.8	0.0008				
			Pesticides	Methoxychlor	38	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	160	12				
			SVOCs/BNAs	Benzo(a)pyrene	320	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	320	199.5				
			SVOCs/BNAs	Phenol	22	0.5				
			VOCs	1,1,2,2-Tetrachloroethane	4.5	0.3				
			VOCs	C4 Benzene	21	0.6				
			VOCs	C5 Benzene	21	0.6				
R2-8	18	24	Inorganics	ARSENIC			9.4	6.0		
			Inorganics	CADMIUM			18.4	0.6		
			Inorganics	CHROMIUM			192	26.0		
			Inorganics	COPPER			158	16.0		
			Inorganics	LEAD			304	31.0		
			Inorganics	MERCURY			0.27	0.15		
			Inorganics	NICKEL			67.8	16.0		
			Inorganics	SILVER			4.9	1.0		
			Inorganics	ZINC			530	120.0		
			PCBs	Aroclor-1242	2800	1000				
			Pesticides	4,4'-DDE	11	0.01				
			Pesticides	4,4'-DDT	18	0.01				

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Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-8 (cont.)	18	24	Pesticides	Endosulfan II	6.3	0.03				
			Pesticides	Endrin	6.3	0.8				
			Pesticides	Heptachlor epoxide	9.3	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	410	12				
			SVOCs/BNAs	Benzo(a)pyrene	340	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	440	199.5				
			SVOCs/BNAs	Naphthalene	34	30				
			SVOCs/BNAs	Phenol	630	0.5				
			VOCs	1,1,2,2-Tetrachloroethane	11	0.3				
			VOCs	C5 Benzene	14	0.6				
R2-9	0	6	Inorganics	CADMIUM			4.9	0.6		
			Inorganics	CHROMIUM			63.5	26.0		
			Inorganics	COPPER			82	16.0		
			Inorganics	LEAD			83.8	31.0		
			Inorganics	MERCURY			0.22	0.15		
			Inorganics	NICKEL			26.1	16.0		
			Inorganics	SILVER			1.8	1.0		
			Inorganics	ZINC			297	120.0		
			Pesticides	4,4'-DDT	6.2	0.01				
			Pesticides	Endosulfan II	6.2	0.03				
			Pesticides	Heptachlor	2	0.0008				
			Pesticides	Heptachlor epoxide	5.8	0.0008				
			Pesticides	Methoxychlor	32	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	790	12				
			SVOCs/BNAs	Benzo(a)pyrene	750	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	330	199.5				
			SVOCs/BNAs	Fluoranthene	1900	1020				
			SVOCs/BNAs	Naphthalene	34	30				
			SVOCs/BNAs	Phenol	30	0.5				
			SVOCs/BNAs	Pyrene	1600	961				
R2-9	6	12	Inorganics	ARSENIC			6.9	6.0		
			Inorganics	CADMIUM			5.4	0.6		
			Inorganics	CHROMIUM			71.4	26.0		
			Inorganics	COPPER			90.8	16.0		
			Inorganics	LEAD			166	31.0		
			Inorganics	NICKEL			30	16.0		
			Inorganics	SILVER			1.9	1.0		
			Inorganics	ZINC			372	120.0		
			Pesticides	4,4'-DDE	6.2	0.01				
			Pesticides	Endosulfan II	6.2	0.03				
			Pesticides	Heptachlor	3.2	0.0008				
			Pesticides	Heptachlor epoxide	3.2	0.0008				
			Pesticides	Methoxychlor	32	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	330	12				
			SVOCs/BNAs	Benzo(a)pyrene	370	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	340	199.5				
			SVOCs/BNAs	Phenol	40	0.5				
R2-9	18	24	Inorganics	ANTIMONY			2.6	2.0		
			Inorganics	ARSENIC			13.5	6.0		
			Inorganics	CADMIUM			56.6	0.6		
			Inorganics	CHROMIUM			386	26.0		
			Inorganics	COPPER			240	16.0		
			Inorganics	LEAD			357	31.0		
			Inorganics	MANGANESE			488	460.0		
			Inorganics	MERCURY			0.28	0.15		
			Inorganics	NICKEL			91.9	16.0		
			Inorganics	SILVER			8.2	1.0		
			Inorganics	ZINC			893	120.0		
			PCBs	Aroclor-1242	4600	1000				
			Pesticides	4,4'-DDE	30	0.01				
			Pesticides	4,4'-DDT	31	0.01				
			Pesticides	Endosulfan II	5.9	0.03				
			Pesticides	Endrin	5.9	0.8				
			SVOCs/BNAs	Benzo(a)anthracene	300	12				
			SVOCs/BNAs	Benzo(a)pyrene	330	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	720	199.5				
			SVOCs/BNAs	Naphthalene	42	30				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-9 (cont.)	18	24	SVOCs/BNAs	Phenol	360	0.5				
			VOCs	1,1,2,2-Tetrachloroethane	7.9	0.3				
			VOCs	C4 Benzene	23	0.6				
R3-1	0	6	Inorganics	CADMIUM			1.1	0.6		
			Inorganics	CHROMIUM			53.1	26.0		
			Inorganics	COPPER			59.8	16.0		
			Inorganics	LEAD			273	31.0		
			Inorganics	NICKEL			25.8	16.0		
			Inorganics	ZINC			189	120.0		
			PCBs	Aroclor-1242	2200	1000				
			Pesticides	4,4'-DDE	11	0.01				
			Pesticides	4,4'-DDT	34	0.01				
			Pesticides	Endosulfan I	2.9	0.03				
			Pesticides	Endosulfan II	5.6	0.03				
			Pesticides	Endrin	17	0.8				
			Pesticides	Heptachlor	8.5	0.0008				
			Pesticides	Heptachlor epoxide	2.9	0.0008				
			Pesticides	Methoxychlor	31	0.6				
			SVOCs/BNAs	Acenaphthene	1500	140				
			SVOCs/BNAs	Anthracene	2200	107				
			SVOCs/BNAs	Benzo(a)anthracene	7900	12				
			SVOCs/BNAs	Benzo(a)pyrene	5900	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2300	199.5				
			SVOCs/BNAs	Fluoranthene	18000	1020				
			SVOCs/BNAs	Naphthalene	960	30				
			SVOCs/BNAs	Phenol	85	0.5				
			SVOCs/BNAs	Pyrene	18000	961				
			Inorganics	CADMIUM			1.4	0.6		
R3-1	6	12	Inorganics	CHROMIUM			69.2	26.0		
			Inorganics	COPPER			81.7	16.0		
			Inorganics	LEAD			74.8	31.0		
			Inorganics	MERCURY			0.21	0.15		
			Inorganics	NICKEL			31.6	16.0		
			Inorganics	ZINC			198	120.0		
			PCBs	Aroclor-1242	2000	1000				
			Pesticides	4,4'-DDT	34	0.01				
			Pesticides	Endosulfan I	3.1	0.03				
			Pesticides	Endosulfan II	6	0.03				
			Pesticides	Endrin	18	0.8				
			Pesticides	Heptachlor	6.2	0.0008				
			Pesticides	Heptachlor epoxide	3.1	0.0008				
			Pesticides	Methoxychlor	38	0.6				
			SVOCs/BNAs	Acenaphthene	5100	140				
			SVOCs/BNAs	Anthracene	11000	107				
			SVOCs/BNAs	Benzo(a)anthracene	22000	12				
			SVOCs/BNAs	Benzo(a)pyrene	20000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	9200	199.5				
			SVOCs/BNAs	Fluoranthene	53000	1020				
			SVOCs/BNAs	Naphthalene	1800	30				
			SVOCs/BNAs	Pyrene	49000	961				
R3-1	18	24	Inorganics	ARSENIC			7.3	6.0		
			Inorganics	CADMIUM			2.6	0.6		
			Inorganics	CHROMIUM			77.1	26.0		
			Inorganics	COPPER			88.8	16.0		
			Inorganics	LEAD			118	31.0		
			Inorganics	NICKEL			33.4	16.0		
			Inorganics	SILVER			1.5	1.0		
			Inorganics	ZINC			241	120.0		
			PCBs	Aroclor-1242	1700	1000				
			Pesticides	4,4'-DDT	18	0.01				
			Pesticides	Endosulfan I	3.2	0.03				
			Pesticides	Endosulfan II	6.3	0.03				
			Pesticides	Endrin	6.7	0.8				
			Pesticides	Heptachlor	11	0.0008				
			Pesticides	Methoxychlor	32	0.6				
			SVOCs/BNAs	Acenaphthene	570	140				
			SVOCs/BNAs	Anthracene	900	107				

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Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-1 (cont.)	18	24	SVOCs/BNAs	Benzo(a)anthracene	2500	12				
			SVOCs/BNAs	Benzo(a)pyrene	2200	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1600	199.5				
			SVOCs/BNAs	Fluoranthene	6500	1020				
			SVOCs/BNAs	Naphthalene	520	30				
			SVOCs/BNAs	Phenol	970	0.5				
			SVOCs/BNAs	Pyrene	6600	961				
R3-10	0	6	Inorganics	CADMIUM			1	0.6		
			Inorganics	CHROMIUM			26.9	26.0		
			Inorganics	COPPER			52	16.0		
			Inorganics	LEAD			63.4	31.0		
			Inorganics	ZINC			174	120.0		
			Pesticides	4,4'-DDD	11	0.01				
			Pesticides	4,4'-DDT	4.9	0.01				
			Pesticides	Endosulfan II	8.2	0.03				
			Pesticides	Heptachlor	4.3	0.0008				
			Pesticides	Heptachlor epoxide	2.5	0.0008				
			Pesticides	Methoxychlor	25	0.6				
			SVOCs/BNAs	Acenaphthene	210	140				
			SVOCs/BNAs	Anthracene	390	107				
			SVOCs/BNAs	Benzo(a)anthracene	1600	12				
			SVOCs/BNAs	Benzo(a)pyrene	1300	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1300	199.5				
			SVOCs/BNAs	Fluoranthene	4300	1020				
			SVOCs/BNAs	Naphthalene	150	30				
			SVOCs/BNAs	Phenol	50	0.5				
			SVOCs/BNAs	Pyrene	3400	961				
R3-10	6	12	Inorganics	CADMIUM			0.86	0.6		
			Inorganics	CHROMIUM			27.3	26.0		
			Inorganics	COPPER			49.7	16.0		
			Inorganics	LEAD			34.3	31.0		
			Inorganics	MANGANESE			773	460.0		
			Inorganics	NICKEL			24	16.0		
			Pesticides	4,4'-DDT	4.3	0.01				
			Pesticides	Endosulfan II	4.3	0.03				
			Pesticides	Heptachlor	7.6	0.0008				
			Pesticides	Heptachlor epoxide	3.9	0.0008				
			Pesticides	Methoxychlor	22	0.6				
			SVOCs/BNAs	Anthracene	190	107				
			SVOCs/BNAs	Benzo(a)anthracene	1100	12				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1100	199.5				
			SVOCs/BNAs	Fluoranthene	2300	1020				
			SVOCs/BNAs	Naphthalene	61	30				
			SVOCs/BNAs	Phenol	35	0.5				
			SVOCs/BNAs	Pyrene	2300	961				
R3-10	18	24	Inorganics	CADMIUM			0.66	0.6		
			Inorganics	COPPER			20.4	16.0		
			Pesticides	4,4'-DDD	5.6	0.01				
			Pesticides	4,4'-DDE	4.1	0.01				
			Pesticides	Endosulfan I	2.1	0.03				
			Pesticides	Endosulfan II	4.1	0.03				
			Pesticides	Heptachlor	3.3	0.0008				
			Pesticides	Heptachlor epoxide	2.1	0.0008				
			Pesticides	Methoxychlor	21	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	120	12				
			SVOCs/BNAs	Benzo(a)pyrene	120	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	210	199.5				
			SVOCs/BNAs	Phenol	240	0.5				
R3-11	0	6	Inorganics	ANTIMONY			7.7	2.0		
			Inorganics	ARSENIC			8.2	6.0		
			Inorganics	CADMIUM			3.7	0.6		
			Inorganics	CHROMIUM			424	26.0		
			Inorganics	COPPER			331	16.0		
			Inorganics	LEAD			124	31.0		
			Inorganics	MERCURY			0.25	0.15		

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Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-11 (cont.)	0	6	Inorganics	NICKEL			145	16.0		
			Inorganics	SILVER			4.5	1.0		
			Inorganics	ZINC			303	120.0		
			PCBs	Aroclor-1242	16000	1000				
			Pesticides	4,4'-DDE	28	0.01				
			Pesticides	4,4'-DDT	84	0.01				
			Pesticides	Endosulfan I	19	0.03				
			Pesticides	Endosulfan II	6.1	0.03				
			Pesticides	Endrin	19	0.8				
			Pesticides	Heptachlor	180	0.0008				
			Pesticides	Heptachlor epoxide	34	0.0008				
			Pesticides	Methoxychlor	26	0.6				
			SVOCs/BNAs	Acenaphthene	2100	140				
			SVOCs/BNAs	Anthracene	4700	107				
			SVOCs/BNAs	Benzo(a)anthracene	11000	12				
			SVOCs/BNAs	Benzo(a)pyrene	8900	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1500	199.5				
			SVOCs/BNAs	Fluoranthene	32000	1020				
			SVOCs/BNAs	Naphthalene	640	30				
			SVOCs/BNAs	Phenol	64	0.5				
			SVOCs/BNAs	Pyrene	25000	961				
R3-11	6	12	Inorganics	ARSENIC			14.5	6.0		
			Inorganics	CADMIUM			7.9	0.6		
			Inorganics	CHROMIUM			1000	26.0		
			Inorganics	COPPER			525	16.0		
			Inorganics	LEAD			257	31.0		
			Inorganics	MERCURY			0.53	0.15		
			Inorganics	NICKEL			360	16.0		
			Inorganics	SILVER			5.9	1.0		
			Inorganics	ZINC			526	120.0		
			PCBs	Aroclor-1242	43000	1000				
			PCBs	Aroclor-1248	8300	1000				
			Pesticides	4,4'-DDE	46	0.01				
			Pesticides	4,4'-DDT	140	0.01				
			Pesticides	Endosulfan I	31	0.03				
			Pesticides	Endosulfan II	13	0.03				
			Pesticides	Endrin	32	0.8				
			Pesticides	Heptachlor	420	0.0008				
			Pesticides	Heptachlor epoxide	72	0.0008				
			Pesticides	Methoxychlor	39	0.6				
			SVOCs/BNAs	Acenaphthene	1700	140				
			SVOCs/BNAs	Anthracene	2600	107				
			SVOCs/BNAs	Benzo(a)anthracene	5700	12				
			SVOCs/BNAs	Benzo(a)pyrene	4800	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	6300	199.5				
			SVOCs/BNAs	Fluoranthene	13000	1020				
			SVOCs/BNAs	Naphthalene	2000	30				
			SVOCs/BNAs	Phenol	150	0.5				
			SVOCs/BNAs	Pyrene	14000	961				
			VOCs	C5 Benzene	91	0.6				
R3-11	18	24	Inorganics	ANTIMONY			2.2	2.0		
			Inorganics	ARSENIC			14.9	6.0		
			Inorganics	CADMIUM			5.6	0.6		
			Inorganics	CHROMIUM			607	26.0		
			Inorganics	COPPER			357	16.0		
			Inorganics	LEAD			169	31.0		
			Inorganics	MERCURY			0.72	0.15		
			Inorganics	NICKEL			187	16.0		
			Inorganics	SILVER			6.6	1.0		
			Inorganics	ZINC			323	120.0		
			PCBs	Aroclor-1242	4200	1000				
			PCBs	Aroclor-1248	840	1000				
			Pesticides	4,4'-DDE	11	0.01				
			Pesticides	4,4'-DDT	24	0.01				
			Pesticides	Endosulfan I	0.73	0.03				
			Pesticides	Endosulfan II	4	0.03				
			Pesticides	Endrin	5.5	0.8				
			Pesticides	Heptachlor	5	0.0008				

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R3-11 (cont.)	18	24	Pesticides	Heptachlor epoxide	14	0.0008				
			Pesticides	Methoxychlor	20	0.6				
			SVOCs/BNAs	Acenaphthene	170	140				
			SVOCs/BNAs	Anthracene	320	107				
			SVOCs/BNAs	Benzo(a)anthracene	1100	12				
			SVOCs/BNAs	Benzo(a)pyrene	900	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1000	199.5				
			SVOCs/BNAs	Fluoranthene	3000	1020				
			SVOCs/BNAs	Naphthalene	130	30				
			SVOCs/BNAs	Phenol	580	0.5				
			SVOCs/BNAs	Pyrene	2400	961				
R3-11	30	36	Pesticides	4,4'-DDD	4.2	0.01				
			Pesticides	4,4'-DDT	4.2	0.01				
			Pesticides	Endosulfan I	2.2	0.03				
			Pesticides	Heptachlor epoxide	2.2	0.0008				
			Pesticides	Methoxychlor	22	0.6				
			SVOCs/BNAs	Phenol	20	0.5				
R3-11	42	48	Inorganics	ARSENIC			6.2	6.0		
			Pesticides	4,4'-DDD	4.1	0.01				
			Pesticides	Endosulfan I	0.065	0.03				
			Pesticides	Heptachlor	0.98	0.0008				
			Pesticides	Heptachlor epoxide	2.1	0.0008				
			SVOCs/BNAs	Phenol	26	0.5				
R3-11	54	60	Pesticides	4,4'-DDE	0.18	0.01				
			Pesticides	4,4'-DDT	0.27	0.01				
			Pesticides	Heptachlor	0.91	0.0008				
			Pesticides	Heptachlor epoxide	2.3	0.0008				
R3-12	6	12	Inorganics	CADMIUM			3.7	0.6		
			Inorganics	CHROMIUM			90.4	26.0		
			Inorganics	COPPER			97.9	16.0		
			Inorganics	LEAD			107	31.0		
			Inorganics	MERCURY			0.21	0.15		
			Inorganics	NICKEL			29.6	16.0		
			Inorganics	SILVER			3.2	1.0		
			Inorganics	ZINC			271	120.0		
			PCBs	Aroclor-1248	4900	1000				
			Pesticides	4,4'-DDE	16	0.01				
			Pesticides	4,4'-DDT	28	0.01				
			Pesticides	Endosulfan II	5.4	0.03				
			Pesticides	Endrin	5.7	0.8				
			Pesticides	Heptachlor	15	0.0008				
			Pesticides	Heptachlor epoxide	5.6	0.0008				
			Pesticides	Methoxychlor	28	0.6				
			SVOCs/BNAs	Anthracene	170	107				
			SVOCs/BNAs	Benzo(a)anthracene	820	12				
			SVOCs/BNAs	Benzo(a)pyrene	1000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	780	199.5				
			SVOCs/BNAs	Fluoranthene	1800	1020				
			SVOCs/BNAs	Naphthalene	50	30				
			SVOCs/BNAs	Phenol	20	0.5				
			SVOCs/BNAs	Pyrene	2100	961				
R3-12	18	24	Inorganics	ARSENIC			8.5	6.0		
			Inorganics	CADMIUM			11.5	0.6		
			Inorganics	CHROMIUM			543	26.0		
			Inorganics	COPPER			241	16.0		
			Inorganics	LEAD			313	31.0		
			Inorganics	MERCURY			0.35	0.15		
			Inorganics	NICKEL			144	16.0		
			Inorganics	SILVER			4.8	1.0		
			Inorganics	ZINC			613	120.0		
			PCBs	Aroclor-1248	15000	1000				
			Pesticides	4,4'-DDE	37	0.01				
			Pesticides	4,4'-DDT	97	0.01				
			Pesticides	Endosulfan I	23	0.03				
			Pesticides	Endosulfan II	6.2	0.03				
			Pesticides	Endrin	24	0.8				

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R3-12 (cont.)	18	24	Pesticides	Heptachlor	250	0.0008				
			Pesticides	Heptachlor epoxide	43	0.0008				
			Pesticides	Methoxychlor	32	0.6				
			SVOCs/BNAs	Acenaphthene	260	140				
			SVOCs/BNAs	Anthracene	570	107				
			SVOCs/BNAs	Benzo(a)anthracene	1900	12				
			SVOCs/BNAs	Benzo(a)pyrene	1700	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2500	199.5				
			SVOCs/BNAs	Fluoranthene	4700	1020				
			SVOCs/BNAs	Naphthalene	120	30				
			SVOCs/BNAs	Pyrene	5300	961				
R3-12	30	36	Inorganics	ARSENIC			10.8	6.0		
			Inorganics	CADMIUM			22.9	0.6		
			Inorganics	CHROMIUM			367	26.0		
			Inorganics	COPPER			267	16.0		
			Inorganics	LEAD			115	31.0		
			Inorganics	MERCURY			1.1	0.15		
			Inorganics	NICKEL			106	16.0		
			Inorganics	SILVER			11.4	1.0		
			Inorganics	ZINC			338	120.0		
			PCBs	Aroclor-1248	6200	1000				
			Pesticides	4,4'-DDE	46	0.01				
			Pesticides	4,4'-DDT	76	0.01				
			Pesticides	Endosulfan I	16	0.03				
			Pesticides	Endosulfan II	13	0.03				
			Pesticides	Endrin	13	0.8				
			Pesticides	Heptachlor	39	0.0008				
			Pesticides	Heptachlor epoxide	11	0.0008				
			Pesticides	Methoxychlor	65	0.6				
			SVOCs/BNAs	Anthracene	130	107				
			SVOCs/BNAs	Benzo(a)anthracene	540	12				
			SVOCs/BNAs	Benzo(a)pyrene	550	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	230	199.5				
			SVOCs/BNAs	Fluoranthene	1200	1020				
			SVOCs/BNAs	Naphthalene	71	30				
			SVOCs/BNAs	Phenol	35	0.5				
			SVOCs/BNAs	Pyrene	1100	961				
R3-12	42	48	Inorganics	ARSENIC			15.5	6.0		
			Inorganics	CADMIUM			13.2	0.6		
			Inorganics	CHROMIUM			182	26.0		
			Inorganics	COPPER			162	16.0		
			Inorganics	LEAD			64	31.0		
			Inorganics	MERCURY			0.67	0.15		
			Inorganics	NICKEL			55	16.0		
			Inorganics	SILVER			5.1	1.0		
			Inorganics	ZINC			190	120.0		
			PCBs	Aroclor-1248	3700	1000				
			Pesticides	4,4'-DDE	39	0.01				
			Pesticides	4,4'-DDT	70	0.01				
			Pesticides	Endosulfan I	10	0.03				
			Pesticides	Endosulfan II	15	0.03				
			Pesticides	Endrin	15	0.8				
			Pesticides	Heptachlor	13	0.0008				
			Pesticides	Heptachlor epoxide	7.7	0.0008				
			Pesticides	Methoxychlor	77	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	360	12				
			SVOCs/BNAs	Benzo(a)pyrene	360	1.3				
			SVOCs/BNAs	Naphthalene	64	30				
			SVOCs/BNAs	Phenol	38	0.5				
R3-12	54	60	Inorganics	ARSENIC			8.7	6.0		
			Inorganics	CADMIUM			5.6	0.6		
			Inorganics	CHROMIUM			62.7	26.0		
			Inorganics	COPPER			72.8	16.0		
			Inorganics	MERCURY			0.6	0.15		
			Inorganics	NICKEL			33.6	16.0		

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-12 (cont.)	54	60	Inorganics	SILVER			2.1	1.0		
			Inorganics	ZINC			136	120.0		
			Pesticides	4,4'-DDE	13	0.01				
			Pesticides	4,4'-DDT	9.1	0.01				
			Pesticides	Endosulfan II	9.1	0.03				
			Pesticides	Endrin	9.1	0.8				
			Pesticides	Heptachlor	9.6	0.0008				
			Pesticides	Heptachlor epoxide	4.7	0.0008				
			Pesticides	Methoxychlor	47	0.6				
			SVOCs/BNAs	Benzo(a)anthracene	350	12				
			SVOCs/BNAs	Benzo(a)pyrene	340	1.3				
			SVOCs/BNAs	Naphthalene	35	30				
			SVOCs/BNAs	Phenol	27	0.5				
R3-12	66	72	Inorganics	COPPER			30.5	16.0		
			Inorganics	NICKEL			23.3	16.0		
			Pesticides	4,4'-DDE	7	0.01				
			Pesticides	4,4'-DDT	7	0.01				
			Pesticides	Endosulfan II	7	0.03				
			Pesticides	Heptachlor	2.4	0.0008				
			Pesticides	Heptachlor epoxide	3.6	0.0008				
			SVOCs/BNAs	Benzo(a)anthracene	13	12				
			SVOCs/BNAs	Phenol	21	0.5				
R3-12	78	84	Inorganics	ARSENIC			7.3	6.0		
			Inorganics	COPPER			22.4	16.0		
			Inorganics	NICKEL			22.6	16.0		
			SVOCs/BNAs	Phenol	9.9	0.5				
R3-13	0	6	PCBs	Aroclor-1248	315000	1000				
			PCBs	Aroclor-1260	1930	1000				
R3-14	60	72	PCBs	Aroclor-1248	12300	1000				
R3-15	12	24	PCBs	Aroclor-1248	303000	1000				
			PCBs	Aroclor-1260	5180	1000				
R3-2	0	6	Dioxins and Furans	OCDD					3500	1000
			Inorganics	CADMIUM			1.1	0.6		
			Inorganics	CHROMIUM			44.3	26.0		
			Inorganics	COPPER			56.6	16.0		
			Inorganics	LEAD			57.8	31.0		
			Inorganics	NICKEL			22.5	16.0		
			Inorganics	ZINC			179	120.0		
			Pesticides	4,4'-DDT	14	0.01				
			Pesticides	Endosulfan I	3	0.03				
			Pesticides	Endosulfan II	5.9	0.03				
			Pesticides	Endrin	5.9	0.8				
			Pesticides	Heptachlor	3	0.0008				
			Pesticides	Heptachlor epoxide	4.4	0.0008				
			Pesticides	Methoxychlor	30	0.6				
			SVOCs/BNAs	Acenaphthene	2000	140				
			SVOCs/BNAs	Anthracene	2600	107				
			SVOCs/BNAs	Benzo(a)anthracene	7500	12				
			SVOCs/BNAs	Benzo(a)pyrene	5700	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1500	199.5				
			SVOCs/BNAs	Fluoranthene	16000	1020				
			SVOCs/BNAs	Naphthalene	1400	30				
			SVOCs/BNAs	Phenol	62	0.5				
			SVOCs/BNAs	Pyrene	15000	961				
			VOCs	Vinyl chloride	1.1	0.07				
R3-2	6	12	Inorganics	CADMIUM			1.7	0.6		
			Inorganics	CHROMIUM			54.5	26.0		
			Inorganics	COPPER			70.6	16.0		
			Inorganics	LEAD			73.8	31.0		
			Inorganics	NICKEL			29.6	16.0		

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-2 (cont.)	6	12	Inorganics	ZINC			218	120.0		
			PCBs	Aroclor-1242	1400	1000				
			Pesticides	4,4'-DDE	10	0.01				
			Pesticides	4,4'-DDT	23	0.01				
			Pesticides	Endosulfan II	5.6	0.03				
			Pesticides	Endrin	20	0.8				
			Pesticides	Heptachlor	11	0.0008				
			Pesticides	Heptachlor epoxide	3.6	0.0008				
			Pesticides	Methoxychlor	50	0.6				
			SVOCs/BNAs	Acenaphthene	5600	140				
			SVOCs/BNAs	Anthracene	8400	107				
			SVOCs/BNAs	Benzo(a)anthracene	17000	12				
			SVOCs/BNAs	Benzo(a)pyrene	12000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	5700	199.5				
			SVOCs/BNAs	Fluoranthene	41000	1020				
			SVOCs/BNAs	Naphthalene	6500	30				
			SVOCs/BNAs	Pyrene	33000	961				
R3-2	18	24	Inorganics	ARSENIC			7.7	6.0		
			Inorganics	CADMIUM			4.9	0.6		
			Inorganics	CHROMIUM			170	26.0		
			Inorganics	COPPER			133	16.0		
			Inorganics	LEAD			193	31.0		
			Inorganics	MERCURY			0.17	0.15		
			Inorganics	NICKEL			64.6	16.0		
			Inorganics	SILVER			2.7	1.0		
			Inorganics	ZINC			356	120.0		
			PCBs	Aroclor-1242	4200	1000				
			Pesticides	4,4'-DDE	12	0.01				
			Pesticides	4,4'-DDT	24	0.01				
			Pesticides	Endosulfan II	4.9	0.03				
			Pesticides	Endrin	4.9	0.8				
			Pesticides	Heptachlor epoxide	8.6	0.0008				
			Pesticides	Methoxychlor	25	0.6				
			SVOCs/BNAs	Anthracene	190	107				
			SVOCs/BNAs	Benzo(a)anthracene	680	12				
			SVOCs/BNAs	Benzo(a)pyrene	620	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1300	199.5				
			SVOCs/BNAs	Fluoranthene	1800	1020				
			SVOCs/BNAs	Naphthalene	64	30				
			SVOCs/BNAs	Phenol	370	0.5				
			SVOCs/BNAs	Pyrene	1800	961				
			VOCs	C5 Benzene	13	0.6				
R3-3	0	6	Inorganics	ANTIMONY			7.9	2.0		
			Inorganics	ARSENIC			7.4	6.0		
			Inorganics	CADMIUM			2.2	0.6		
			Inorganics	CHROMIUM			81.7	26.0		
			Inorganics	COPPER			96.2	16.0		
			Inorganics	LEAD			116	31.0		
			Inorganics	MERCURY			0.18	0.15		
			Inorganics	NICKEL			34	16.0		
			Inorganics	SILVER			1.2	1.0		
			Inorganics	ZINC			283	120.0		
			PCBs	Aroclor-1242	2700	1000				
			Pesticides	4,4'-DDE	13	0.01				
			Pesticides	4,4'-DDT	25	0.01				
			Pesticides	Endosulfan II	6.8	0.03				
			Pesticides	Endrin	8	0.8				
			Pesticides	Heptachlor	12	0.0008				
			Pesticides	Methoxychlor	35	0.6				
			SVOCs/BNAs	Acenaphthene	16000	140				
			SVOCs/BNAs	Anthracene	30000	107				
			SVOCs/BNAs	Benzo(a)anthracene	47000	12				
			SVOCs/BNAs	Benzo(a)pyrene	31000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	11000	199.5				
			SVOCs/BNAs	Fluoranthene	130000	1020				
			SVOCs/BNAs	Naphthalene	8600	30				
			SVOCs/BNAs	Phenol	90	0.5				
			SVOCs/BNAs	Pyrene	100000	961				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-3	6	12	Inorganics	ARSENIC			7.9	6.0		
			Inorganics	CADMIUM			3.8	0.6		
			Inorganics	CHROMIUM			122	26.0		
			Inorganics	COPPER			125	16.0		
			Inorganics	LEAD			206	31.0		
			Inorganics	MERCURY			0.26	0.15		
			Inorganics	NICKEL			50.4	16.0		
			Inorganics	SILVER			2.9	1.0		
			Inorganics	ZINC			402	120.0		
			PCBs	Aroclor-1242	2100	1000				
			PCBs	Aroclor-1248	3500	1000				
			Pesticides	4,4'-DDE	20	0.01				
			Pesticides	4,4'-DDT	29	0.01				
			Pesticides	Endosulfan I	10	0.03				
			Pesticides	Endosulfan II	6.8	0.03				
			Pesticides	Endrin	6.8	0.8				
			Pesticides	Heptachlor	16	0.0008				
			Pesticides	Heptachlor epoxide	3.9	0.0008				
			Pesticides	Methoxychlor	35	0.6				
			SVOCs/BNAs	Anthracene	220	107				
			SVOCs/BNAs	Benzo(a)anthracene	1500	12				
			SVOCs/BNAs	Benzo(a)pyrene	1400	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1300	199.5				
			SVOCs/BNAs	Fluoranthene	2700	1020				
			SVOCs/BNAs	Naphthalene	81	30				
			SVOCs/BNAs	Phenol	19	0.5				
			SVOCs/BNAs	Pyrene	2900	961				
			VOCs	1,1,2,2-Tetrachloroethane	40	0.3				
R3-3	18	24	Inorganics	ARSENIC			8.7	6.0		
			Inorganics	CADMIUM			13.4	0.6		
			Inorganics	CHROMIUM			789	26.0		
			Inorganics	COPPER			236	16.0		
			Inorganics	LEAD			283	31.0		
			Inorganics	MERCURY			0.2	0.15		
			Inorganics	NICKEL			195	16.0		
			Inorganics	SILVER			4.1	1.0		
			Inorganics	ZINC			513	120.0		
			PCBs	Aroclor-1242	9800	1000				
			PCBs	Aroclor-1248	5500	1000				
			Pesticides	4,4'-DDE	23	0.01				
			Pesticides	4,4'-DDT	43	0.01				
			Pesticides	Endosulfan I	13	0.03				
			Pesticides	Endosulfan II	5.9	0.03				
			Pesticides	Endrin	9.4	0.8				
			Pesticides	Heptachlor	110	0.0008				
			Pesticides	Heptachlor epoxide	21	0.0008				
			Pesticides	Methoxychlor	29	0.6				
			SVOCs/BNAs	Acenaphthene	160	140				
			SVOCs/BNAs	Anthracene	250	107				
			SVOCs/BNAs	Benzo(a)anthracene	1800	12				
			SVOCs/BNAs	Benzo(a)pyrene	1700	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1100	199.5				
			SVOCs/BNAs	Fluoranthene	2300	1020				
			SVOCs/BNAs	Naphthalene	80	30				
			SVOCs/BNAs	Phenol	950	0.5				
			SVOCs/BNAs	Pyrene	3000	961				
			VOCs	1,1,2,2-Tetrachloroethane	49	0.3				
R3-3	30	36	Inorganics	ARSENIC			7.8	6.0		
			Inorganics	CADMIUM			7.6	0.6		
			Inorganics	CHROMIUM			200	26.0		
			Inorganics	COPPER			195	16.0		
			Inorganics	LEAD			264	31.0		
			Inorganics	MERCURY			0.37	0.15		
			Inorganics	NICKEL			85.3	16.0		
			Inorganics	SILVER			4.2	1.0		
			Inorganics	ZINC			404	120.0		
			PCBs	Aroclor-1248	11000	1000				
			Pesticides	4,4'-DDE	28	0.01				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-3 (cont.)	30	36	Pesticides	4,4'-DDT	53	0.01				
			Pesticides	Endosulfan I	17	0.03				
			Pesticides	Endosulfan II	5.5	0.03				
			Pesticides	Endrin	10	0.8				
			Pesticides	Heptachlor	91	0.0008				
			Pesticides	Heptachlor epoxide	16	0.0008				
			Pesticides	Methoxychlor	28	0.6				
			SVOCs/BNAs	Acenaphthene	190	140				
			SVOCs/BNAs	Anthracene	290	107				
			SVOCs/BNAs	Benzo(a)anthracene	1500	12				
			SVOCs/BNAs	Benzo(a)pyrene	1700	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1000	199.5				
			SVOCs/BNAs	Fluoranthene	2900	1020				
			SVOCs/BNAs	Naphthalene	99	30				
			SVOCs/BNAs	Phenol	16	0.5				
			SVOCs/BNAs	Pyrene	3300	961				
R3-3	42	48	Inorganics	ARSENIC			9.6	6.0		
			Inorganics	CADMIUM			11.7	0.6		
			Inorganics	CHROMIUM			815	26.0		
			Inorganics	COPPER			283	16.0		
			Inorganics	LEAD			342	31.0		
			Inorganics	MERCURY			0.4	0.15		
			Inorganics	NICKEL			200	16.0		
			Inorganics	SILVER			4.3	1.0		
			Inorganics	ZINC			613	120.0		
			PCBs	Aroclor-1248	24000	1000				
			Pesticides	4,4'-DDE	47	0.01				
			Pesticides	4,4'-DDT	99	0.01				
			Pesticides	Endosulfan I	26	0.03				
			Pesticides	Endosulfan II	5.5	0.03				
			Pesticides	Endrin	13	0.8				
			Pesticides	Heptachlor	290	0.0008				
			Pesticides	Heptachlor epoxide	35	0.0008				
			Pesticides	Methoxychlor	28	0.6				
			SVOCs/BNAs	Acenaphthene	270	140				
			SVOCs/BNAs	Anthracene	840	107				
			SVOCs/BNAs	Benzo(a)anthracene	2600	12				
			SVOCs/BNAs	Benzo(a)pyrene	3000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	3100	199.5				
			SVOCs/BNAs	Fluoranthene	8000	1020				
			SVOCs/BNAs	Naphthalene	160	30				
			SVOCs/BNAs	Pyrene	7200	961				
R3-3	54	60	Inorganics	ARSENIC			10.4	6.0		
			Inorganics	CADMIUM			3.7	0.6		
			Inorganics	CHROMIUM			593	26.0		
			Inorganics	COPPER			324	16.0		
			Inorganics	LEAD			132	31.0		
			Inorganics	MERCURY			0.93	0.15		
			Inorganics	NICKEL			157	16.0		
			Inorganics	SILVER			7.1	1.0		
			Inorganics	ZINC			296	120.0		
			PCBs	Aroclor-1248	2800	1000				
			Pesticides	4,4'-DDE	11	0.01				
			Pesticides	4,4'-DDT	8.6	0.01				
			Pesticides	Endosulfan II	8.6	0.03				
			Pesticides	Endrin	8.6	0.8				
			Pesticides	Heptachlor	22	0.0008				
			Pesticides	Heptachlor epoxide	12	0.0008				
			Pesticides	Methoxychlor	44	0.6				
			SVOCs/BNAs	Anthracene	150	107				
			SVOCs/BNAs	Benzo(a)anthracene	640	12				
			SVOCs/BNAs	Benzo(a)pyrene	700	1.3				
			SVOCs/BNAs	Fluoranthene	1300	1020				
			SVOCs/BNAs	Naphthalene	66	30				
			SVOCs/BNAs	Phenol	45	0.5				
			SVOCs/BNAs	Pyrene	1400	961				

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Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-3	66	72	Inorganics	ARSENIC			11.3	6.0		
			Inorganics	CADMIUM			5.2	0.6		
			Inorganics	CHROMIUM			961	26.0		
			Inorganics	COPPER			462	16.0		
			Inorganics	LEAD			190	31.0		
			Inorganics	MERCURY			1	0.15		
			Inorganics	NICKEL			249	16.0		
			Inorganics	SILVER			8.6	1.0		
			Inorganics	ZINC			399	120.0		
			PCBs	Aroclor-1248	5400	1000				
			Pesticides	4,4'-DDD	13	0.01				
			Pesticides	4,4'-DDE	24	0.01				
			Pesticides	4,4'-DDT	41	0.01				
			Pesticides	Endosulfan II	8.1	0.03				
			Pesticides	Endrin	8.1	0.8				
			Pesticides	Heptachlor	66	0.0008				
			Pesticides	Heptachlor epoxide	26	0.0008				
			Pesticides	Methoxychlor	42	0.6				
			SVOCs/BNAs	Anthracene	200	107				
			SVOCs/BNAs	Benzo(a)anthracene	790	12				
			SVOCs/BNAs	Benzo(a)pyrene	840	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	260	199.5				
			SVOCs/BNAs	Fluoranthene	1700	1020				
			SVOCs/BNAs	Naphthalene	69	30				
			SVOCs/BNAs	Phenol	55	0.5				
			SVOCs/BNAs	Pyrene	1700	961				
R3-3	78	84	Inorganics	ARSENIC			10.1	6.0		
			Inorganics	CADMIUM			3.4	0.6		
			Inorganics	CHROMIUM			483	26.0		
			Inorganics	COPPER			316	16.0		
			Inorganics	LEAD			118	31.0		
			Inorganics	MERCURY			0.73	0.15		
			Inorganics	NICKEL			134	16.0		
			Inorganics	SILVER			7.2	1.0		
			Inorganics	ZINC			268	120.0		
			PCBs	Aroclor-1248	3000	1000				
			Pesticides	4,4'-DDE	12	0.01				
			Pesticides	4,4'-DDT	10	0.01				
			Pesticides	Endosulfan II	10	0.03				
			Pesticides	Endrin	10	0.8				
			Pesticides	Heptachlor	24	0.0008				
			Pesticides	Heptachlor epoxide	13	0.0008				
			Pesticides	Methoxychlor	54	0.6				
			SVOCs/BNAs	Anthracene	260	107				
			SVOCs/BNAs	Benzo(a)anthracene	1000	12				
			SVOCs/BNAs	Benzo(a)pyrene	1100	1.3				
			SVOCs/BNAs	Fluoranthene	2400	1020				
			SVOCs/BNAs	Naphthalene	99	30				
			SVOCs/BNAs	Phenol	65	0.5				
			SVOCs/BNAs	Pyrene	1900	961				
R3-3	90	96	Inorganics	ARSENIC			10.4	6.0		
			Inorganics	CADMIUM			3	0.6		
			Inorganics	CHROMIUM			480	26.0		
			Inorganics	COPPER			313	16.0		
			Inorganics	LEAD			110	31.0		
			Inorganics	MERCURY			0.83	0.15		
			Inorganics	NICKEL			134	16.0		
			Inorganics	SILVER			6.8	1.0		
			Inorganics	ZINC			247	120.0		
			PCBs	Aroclor-1248	2700	1000				
			Pesticides	4,4'-DDE	23	0.01				
			Pesticides	4,4'-DDT	48	0.01				
			Pesticides	Endosulfan II	11	0.03				
			Pesticides	Endrin	11	0.8				
			Pesticides	Heptachlor	54	0.0008				
			Pesticides	Heptachlor epoxide	20	0.0008				

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Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-3 (cont.)	90	96	Pesticides	Methoxychlor	55	0.6				
			SVOCs/BNAs	Anthracene	160	107				
			SVOCs/BNAs	Benzo(a)anthracene	660	12				
			SVOCs/BNAs	Benzo(a)pyrene	640	1.3				
			SVOCs/BNAs	Fluoranthene	1600	1020				
			SVOCs/BNAs	Naphthalene	70	30				
			SVOCs/BNAs	Phenol	41	0.5				
			SVOCs/BNAs	Pyrene	1700	961				
R3-4	0	6	Inorganics	CADMIUM			0.79	0.6		
			Inorganics	CHROMIUM			40.1	26.0		
			Inorganics	COPPER			56.1	16.0		
			Inorganics	LEAD			51.9	31.0		
			Inorganics	NICKEL			18	16.0		
			Inorganics	ZINC			125	120.0		
			PCBs	Aroclor-1242	1600	1000				
			Pesticides	4,4'-DDE	7	0.01				
			Pesticides	4,4'-DDT	24	0.01				
			Pesticides	Endosulfan II	5.1	0.03				
			Pesticides	Endrin	12	0.8				
			Pesticides	Heptachlor	6.4	0.0008				
			Pesticides	Heptachlor epoxide	2.6	0.0008				
			Pesticides	Methoxychlor	29	0.6				
			SVOCs/BNAs	Acenaphthene	3500	140				
			SVOCs/BNAs	Anthracene	4900	107				
			SVOCs/BNAs	Benzo(a)anthracene	14000	12				
			SVOCs/BNAs	Benzo(a)pyrene	12000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	5300	199.5				
			SVOCs/BNAs	Fluoranthene	40000	1020				
			SVOCs/BNAs	Naphthalene	3000	30				
			SVOCs/BNAs	Pyrene	33000	961				
R3-4	6	12	Inorganics	CADMIUM			1.5	0.6		
			Inorganics	CHROMIUM			72.2	26.0		
			Inorganics	COPPER			70	16.0		
			Inorganics	LEAD			95.9	31.0		
			Inorganics	NICKEL			34.3	16.0		
			Inorganics	ZINC			188	120.0		
			PCBs	Aroclor-1242	3300	1000				
			Pesticides	4,4'-DDE	12	0.01				
			Pesticides	4,4'-DDT	38	0.01				
			Pesticides	Endosulfan II	5.9	0.03				
			Pesticides	Endrin	17	0.8				
			Pesticides	Heptachlor	12	0.0008				
			Pesticides	Heptachlor epoxide	3	0.0008				
			Pesticides	Methoxychlor	39	0.6				
			SVOCs/BNAs	Acenaphthene	1400	140				
			SVOCs/BNAs	Anthracene	2100	107				
			SVOCs/BNAs	Benzo(a)anthracene	5400	12				
			SVOCs/BNAs	Benzo(a)pyrene	4000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1500	199.5				
			SVOCs/BNAs	Fluoranthene	11000	1020				
			SVOCs/BNAs	Naphthalene	530	30				
			SVOCs/BNAs	Phenol	51	0.5				
			SVOCs/BNAs	Pyrene	11000	961				
R3-4	18	24	Inorganics	ARSENIC			7	6.0		
			Inorganics	CADMIUM			3.3	0.6		
			Inorganics	CHROMIUM			96.4	26.0		
			Inorganics	COPPER			95.5	16.0		
			Inorganics	LEAD			170	31.0		
			Inorganics	MERCURY			0.2	0.15		
			Inorganics	NICKEL			39.9	16.0		
			Inorganics	SILVER			2.1	1.0		
			Inorganics	ZINC			208	120.0		
			PCBs	Aroclor-1242	2600	1000				
			Pesticides	4,4'-DDE	13	0.01				
			Pesticides	4,4'-DDT	20	0.01				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-4 (cont.)	18	24	Pesticides	Endosulfan II	5.5	0.03				
			Pesticides	Endrin	5.5	0.8				
			Pesticides	Heptachlor epoxide	4.4	0.0008				
			Pesticides	Methoxychlor	28	0.6				
			SVOCs/BNAs	Anthracene	110	107				
			SVOCs/BNAs	Benzo(a)anthracene	520	12				
			SVOCs/BNAs	Benzo(a)pyrene	490	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	310	199.5				
			SVOCs/BNAs	Fluoranthene	1300	1020				
			SVOCs/BNAs	Naphthalene	42	30				
			SVOCs/BNAs	Phenol	560	0.5				
			SVOCs/BNAs	Pyrene	1200	961				
R3-5	0	6	Dioxins and Furans	OCDD					1300	1000
			Inorganics	ANTIMONY			7.5	2.0		
			Inorganics	CADMIUM			0.76	0.6		
			Inorganics	CHROMIUM			36.2	26.0		
			Inorganics	COPPER			102	16.0		
			Inorganics	LEAD			82.2	31.0		
			Inorganics	NICKEL			16	16.0		
			PCBs	Aroclor-1242	2500	1000				
			Pesticides	4,4'-DDE	12	0.01				
			Pesticides	4,4'-DDT	17	0.01				
			Pesticides	Endosulfan I	5.2	0.03				
			Pesticides	Endosulfan II	4.1	0.03				
			Pesticides	Heptachlor	14	0.0008				
			Pesticides	Heptachlor epoxide	2.1	0.0008				
			Pesticides	Methoxychlor	21	0.6				
			SVOCs/BNAs	Acenaphthene	2500	140				
			SVOCs/BNAs	Anthracene	4600	107				
			SVOCs/BNAs	Benzo(a)anthracene	12000	12				
			SVOCs/BNAs	Benzo(a)pyrene	9000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1000	199.5				
			SVOCs/BNAs	Fluoranthene	38000	1020				
			SVOCs/BNAs	Naphthalene	1600	30				
			SVOCs/BNAs	Phenol	67	0.5				
			SVOCs/BNAs	Pyrene	25000	961				
R3-5	6	12	Inorganics	CADMIUM			1.4	0.6		
			Inorganics	CHROMIUM			112	26.0		
			Inorganics	COPPER			66.7	16.0		
			Inorganics	LEAD			161	31.0		
			Inorganics	NICKEL			26.1	16.0		
			Inorganics	ZINC			186	120.0		
			PCBs	Aroclor-1242	4400	1000				
			Pesticides	4,4'-DDE	18	0.01				
			Pesticides	4,4'-DDT	18	0.01				
			Pesticides	Endosulfan I	4.6	0.03				
			Pesticides	Endosulfan II	4.6	0.03				
			Pesticides	Heptachlor	27	0.0008				
			Pesticides	Heptachlor epoxide	2.4	0.0008				
			Pesticides	Methoxychlor	24	0.6				
			SVOCs/BNAs	Acenaphthene	3200	140				
			SVOCs/BNAs	Anthracene	4100	107				
			SVOCs/BNAs	Benzo(a)anthracene	12000	12				
			SVOCs/BNAs	Benzo(a)pyrene	10000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2700	199.5				
			SVOCs/BNAs	Fluoranthene	28000	1020				
			SVOCs/BNAs	Naphthalene	2700	30				
			SVOCs/BNAs	Phenol	110	0.5				
			SVOCs/BNAs	Pyrene	22000	961				
R3-5	18	24	Inorganics	ARSENIC			6	6.0		
			Inorganics	CADMIUM			3.7	0.6		
			Inorganics	CHROMIUM			160	26.0		
			Inorganics	COPPER			124	16.0		
			Inorganics	LEAD			165	31.0		

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-5 (cont.)	18	24	Inorganics	MERCURY			0.25	0.15		
			Inorganics	NICKEL			59.5	16.0		
			Inorganics	SILVER			2.5	1.0		
			Inorganics	ZINC			269	120.0		
			PCBs	Aroclor-1242	6200	1000				
			Pesticides	4,4'-DDE	15	0.01				
			Pesticides	4,4'-DDT	42	0.01				
			Pesticides	Endosulfan I	10	0.03				
			Pesticides	Endosulfan II	5.1	0.03				
			Pesticides	Endrin	8.7	0.8				
			Pesticides	Heptachlor	81	0.0008				
			Pesticides	Heptachlor epoxide	16	0.0008				
			Pesticides	Methoxychlor	26	0.6				
			SVOCs/BNAs	Acenaphthene	470	140				
			SVOCs/BNAs	Anthracene	1000	107				
			SVOCs/BNAs	Benzo(a)anthracene	4300	12				
			SVOCs/BNAs	Benzo(a)pyrene	3400	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2400	199.5				
			SVOCs/BNAs	Fluoranthene	9800	1020				
			SVOCs/BNAs	Naphthalene	270	30				
			SVOCs/BNAs	Phenol	670	0.5				
			SVOCs/BNAs	Pyrene	7900	961				
R3-6	0	6	Pesticides	4,4'-DDT	8.7	0.01				
			Pesticides	Endosulfan II	3.9	0.03				
			Pesticides	Heptachlor	4.3	0.0008				
			Pesticides	Heptachlor epoxide	2	0.0008				
			Pesticides	Methoxychlor	20	0.6				
			SVOCs/BNAs	Acenaphthene	5800	140				
			SVOCs/BNAs	Anthracene	13000	107				
			SVOCs/BNAs	Benzo(a)anthracene	27000	12				
			SVOCs/BNAs	Benzo(a)pyrene	22000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1000	199.5				
			SVOCs/BNAs	Fluoranthene	77000	1020				
			SVOCs/BNAs	Naphthalene	5500	30				
			SVOCs/BNAs	Phenol	140	0.5				
			SVOCs/BNAs	Pyrene	54000	961				
R3-6	6	12	Inorganics	COPPER			23.1	16.0		
			Inorganics	LEAD			48.6	31.0		
			PCBs	Aroclor-1242	7700	1000				
			Pesticides	4,4'-DDE	24	0.01				
			Pesticides	4,4'-DDT	8.2	0.01				
			Pesticides	Endosulfan II	5.4	0.03				
			Pesticides	Endrin	8.4	0.8				
			Pesticides	Heptachlor epoxide	2	0.0008				
			Pesticides	Methoxychlor	28	0.6				
			SVOCs/BNAs	Anthracene	260	107				
			SVOCs/BNAs	Benzo(a)anthracene	1200	12				
			SVOCs/BNAs	Benzo(a)pyrene	1000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	280	199.5				
			SVOCs/BNAs	Fluoranthene	2000	1020				
			SVOCs/BNAs	Naphthalene	37	30				
			SVOCs/BNAs	Phenol	150	0.5				
			SVOCs/BNAs	Pyrene	2200	961				
R3-6	18	24	Inorganics	ARSENIC			19.5	6.0		
			Inorganics	CADMIUM			13.7	0.6		
			Inorganics	CHROMIUM			872	26.0		
			Inorganics	COPPER			228	16.0		
			Inorganics	LEAD			404	31.0		
			Inorganics	MERCURY			0.45	0.15		
			Inorganics	NICKEL			180	16.0		
			Inorganics	SILVER			3.6	1.0		
			Inorganics	ZINC			524	120.0		
R3-7	0	6	Inorganics	ARSENIC			6.2	6.0		
			Inorganics	COPPER			20.7	16.0		
			PCBs	Aroclor-1242	1700	1000				

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Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-7 (cont.)	0	6	Pesticides	4,4'-DDT	8.9	0.01				
			Pesticides	Endosulfan II	4.4	0.03				
			Pesticides	Heptachlor	21	0.0008				
			Pesticides	Heptachlor epoxide	6.8	0.0008				
			Pesticides	Methoxychlor	23	0.6				
			SVOCs/BNAs	Acenaphthene	520	140				
			SVOCs/BNAs	Anthracene	1300	107				
			SVOCs/BNAs	Benzo(a)anthracene	5400	12				
			SVOCs/BNAs	Benzo(a)pyrene	4600	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1100	199.5				
			SVOCs/BNAs	Fluoranthene	10000	1020				
			SVOCs/BNAs	Naphthalene	340	30				
			SVOCs/BNAs	Phenol	83	0.5				
			SVOCs/BNAs	Pyrene	8300	961				
			VOCs	Benzene	50	0.6				
			VOCs	Vinyl chloride	0.61	0.07				
R3-7	6	12	Inorganics	ARSENIC			14.8	6.0		
			Inorganics	CADMIUM			0.68	0.6		
			Inorganics	COPPER			58	16.0		
			Inorganics	LEAD			56.7	31.0		
			PCBs	Aroclor-1242	2000	1000				
			Pesticides	4,4'-DDT	15	0.01				
			Pesticides	Endosulfan II	4.4	0.03				
			Pesticides	Heptachlor	23	0.0008				
			Pesticides	Heptachlor epoxide	8.4	0.0008				
			Pesticides	Methoxychlor	23	0.6				
			SVOCs/BNAs	Acenaphthene	310	140				
			SVOCs/BNAs	Anthracene	650	107				
			SVOCs/BNAs	Benzo(a)anthracene	2200	12				
			SVOCs/BNAs	Benzo(a)pyrene	1900	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1100	199.5				
			SVOCs/BNAs	Fluoranthene	4900	1020				
			SVOCs/BNAs	Naphthalene	200	30				
			SVOCs/BNAs	Pyrene	5200	961				
			VOCs	Benzene	39	0.6				
			VOCs	Vinyl chloride	0.5	0.07				
R3-7	18	24	Inorganics	ARSENIC			32.2	6.0		
			Inorganics	CADMIUM			2.3	0.6		
			Inorganics	CHROMIUM			174	26.0		
			Inorganics	COPPER			105	16.0		
			Inorganics	LEAD			92.2	31.0		
			Inorganics	NICKEL			53.5	16.0		
			Inorganics	SILVER			1.1	1.0		
			Inorganics	ZINC			169	120.0		
			PCBs	Aroclor-1242	7300	1000				
			Pesticides	4,4'-DDE	23	0.01				
			Pesticides	4,4'-DDT	37	0.01				
			Pesticides	Endosulfan II	4.2	0.03				
			Pesticides	Endrin	6.8	0.8				
			Pesticides	Methoxychlor	22	0.6				
			SVOCs/BNAs	Anthracene	370	107				
			SVOCs/BNAs	Benzo(a)anthracene	1400	12				
			SVOCs/BNAs	Benzo(a)pyrene	1400	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1100	199.5				
			SVOCs/BNAs	Fluoranthene	3300	1020				
			SVOCs/BNAs	Naphthalene	110	30				
			SVOCs/BNAs	Phenol	180	0.5				
			SVOCs/BNAs	Pyrene	2800	961				
			VOCs	1,2-Dichlorobenzene	13	12.0				
			VOCs	Benzene	140	0.6				
			VOCs	Chlorobenzene	4.2	3.5				
			VOCs	Ethylbenzene	150	24				
			VOCs	Isopropylbenzene	23	12				
			VOCs	m,p-Xylene	1000	92				
			VOCs	Vinyl chloride	0.52	0.07				

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Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-8	0	6	Inorganics	CADMIUM			1.2	0.6		
			Inorganics	CHROMIUM			59.1	26.0		
			Inorganics	COPPER			50.8	16.0		
			Inorganics	LEAD			70.3	31.0		
			Inorganics	NICKEL			24.1	16.0		
			PCBs	Aroclor-1242	2900	1000				
			Pesticides	4,4'-DDE	19	0.01				
			Pesticides	Endosulfan II	4.3	0.03				
			Pesticides	Endrin	6.4	0.8				
			Pesticides	Heptachlor	22	0.0008				
			Pesticides	Heptachlor epoxide	11	0.0008				
			Pesticides	Methoxychlor	22	0.6				
			SVOCs/BNAs	Acenaphthene	540	140				
			SVOCs/BNAs	Anthracene	890	107				
			SVOCs/BNAs	Benzo(a)anthracene	3300	12				
			SVOCs/BNAs	Benzo(a)pyrene	2800	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2000	199.5				
			SVOCs/BNAs	Fluoranthene	6900	1020				
			SVOCs/BNAs	Naphthalene	510	30				
			SVOCs/BNAs	Phenol	59	0.5				
			SVOCs/BNAs	Pyrene	6000	961				
			VOCs	Benzene	5.4	0.6				
R3-8	6	12	Inorganics	ANTIMONY			9	2.0		
			Inorganics	ARSENIC			6.4	6.0		
			Inorganics	CADMIUM			1.9	0.6		
			Inorganics	CHROMIUM			138	26.0		
			Inorganics	COPPER			100	16.0		
			Inorganics	LEAD			106	31.0		
			Inorganics	MERCURY			0.16	0.15		
			Inorganics	NICKEL			47.4	16.0		
			Inorganics	SILVER			1.2	1.0		
			Inorganics	ZINC			160	120.0		
			PCBs	Aroclor-1242	2800	1000				
			PCBs	Aroclor-1248	13000	1000				
			Pesticides	4,4'-DDE	30	0.01				
			Pesticides	Endosulfan II	5.4	0.03				
			Pesticides	Heptachlor	160	0.0008				
			Pesticides	Heptachlor epoxide	22	0.0008				
			Pesticides	Methoxychlor	28	0.6				
			SVOCs/BNAs	Acenaphthene	140	140				
			SVOCs/BNAs	Anthracene	260	107				
			SVOCs/BNAs	Benzo(a)anthracene	1000	12				
			SVOCs/BNAs	Benzo(a)pyrene	780	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1000	199.5				
			SVOCs/BNAs	Fluoranthene	2300	1020				
			SVOCs/BNAs	Naphthalene	100	30				
			SVOCs/BNAs	Pyrene	1600	961				
			VOCs	Benzene	3.2	0.6				
			VOCs	Tetrachloroethene	32	0.8				
R3-8	18	24	Inorganics	ANTIMONY			9.1	2.0		
			Inorganics	ARSENIC			7.7	6.0		
			Inorganics	CADMIUM			8.7	0.6		
			Inorganics	CHROMIUM			623	26.0		
			Inorganics	COPPER			210	16.0		
			Inorganics	LEAD			314	31.0		
			Inorganics	MERCURY			0.29	0.15		
			Inorganics	NICKEL			151	16.0		
			Inorganics	SILVER			3.4	1.0		
			Inorganics	ZINC			368	120.0		
			PCBs	Aroclor-1242	9400	1000				
			PCBs	Aroclor-1248	11000	1000				
			Pesticides	4,4'-DDD	5.7	0.01				
			Pesticides	4,4'-DDE	22	0.01				
			Pesticides	4,4'-DDT	75	0.01				
			Pesticides	Dieldrin	19	0.1				
			Pesticides	Endosulfan II	5	0.03				

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Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-8 (cont.)	18	24	Pesticides	Endrin	50	0.8				
			Pesticides	Heptachlor	190	0.0008				
			Pesticides	Heptachlor epoxide	26	0.0008				
			Pesticides	Methoxychlor	26	0.6				
			SVOCs/BNAs	Acenaphthene	460	140				
			SVOCs/BNAs	Anthracene	1000	107				
			SVOCs/BNAs	Benzo(a)anthracene	3500	12				
			SVOCs/BNAs	Benzo(a)pyrene	3300	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2600	199.5				
			SVOCs/BNAs	Fluoranthene	7700	1020				
			SVOCs/BNAs	Naphthalene	270	30				
			SVOCs/BNAs	Phenol	470	0.5				
			SVOCs/BNAs	Pyrene	6700	961				
			VOCs	Benzene	16	0.6				
			VOCs	Chlorobenzene	8.8	3.5				
R3-8	30	36	Inorganics	ANTIMONY			8.8	2.0		
			Inorganics	ARSENIC			6.5	6.0		
			Inorganics	CADMIUM			4.2	0.6		
			Inorganics	CHROMIUM			677	26.0		
			Inorganics	COPPER			327	16.0		
			Inorganics	LEAD			134	31.0		
			Inorganics	MERCURY			0.3	0.15		
			Inorganics	NICKEL			191	16.0		
			Inorganics	SILVER			2.2	1.0		
			Inorganics	ZINC			288	120.0		
			PCBs	Aroclor-1248	25000	1000				
			Pesticides	4,4'-DDE	70	0.01				
			Pesticides	Dieldrin	88	0.1				
			Pesticides	Endosulfan II	49	0.03				
			Pesticides	Endrin	48	0.8				
			Pesticides	Heptachlor	840	0.0008				
			Pesticides	Heptachlor epoxide	98	0.0008				
			Pesticides	Methoxychlor	40	0.6				
			SVOCs/BNAs	Acenaphthene	750	140				
			SVOCs/BNAs	Anthracene	1700	107				
			SVOCs/BNAs	Benzo(a)anthracene	4100	12				
			SVOCs/BNAs	Benzo(a)pyrene	3700	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2100	199.5				
			SVOCs/BNAs	Fluoranthene	9500	1020				
			SVOCs/BNAs	Naphthalene	340	30				
			SVOCs/BNAs	Phenol	86	0.5				
			SVOCs/BNAs	Pyrene	11000	961				
R3-8	42	48	Inorganics	ANTIMONY			10.6	2.0		
			Inorganics	ARSENIC			8.2	6.0		
			Inorganics	CADMIUM			6.5	0.6		
			Inorganics	CHROMIUM			533	26.0		
			Inorganics	COPPER			302	16.0		
			Inorganics	LEAD			180	31.0		
			Inorganics	MERCURY			0.2	0.15		
			Inorganics	NICKEL			207	16.0		
			Inorganics	SILVER			3.6	1.0		
			Inorganics	ZINC			377	120.0		
			PCBs	Aroclor-1248	35000	1000				
			Pesticides	4,4'-DDE	82	0.01				
			Pesticides	Dieldrin	98	0.1				
			Pesticides	Endosulfan II	58	0.03				
			Pesticides	Endrin	50	0.8				
			Pesticides	Heptachlor	580	0.0008				
			Pesticides	Heptachlor epoxide	110	0.0008				
			Pesticides	Methoxychlor	300	0.6				
			SVOCs/BNAs	Acenaphthene	2100	140				
			SVOCs/BNAs	Anthracene	3400	107				
			SVOCs/BNAs	Benzo(a)anthracene	7300	12				
			SVOCs/BNAs	Benzo(a)pyrene	6300	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2500	199.5				
			SVOCs/BNAs	Fluoranthene	16000	1020				
			SVOCs/BNAs	Naphthalene	1000	30				
			SVOCs/BNAs	Phenol	150	0.5				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-8 (cont.)	42	48	SVOCs/BNAs	Pyrene	16000	961				
R3-8	54	60	Inorganics	ANTIMONY			10.6	2.0		
			Inorganics	ARSENIC			10.3	6.0		
			Inorganics	CADMIUM			5.4	0.6		
			Inorganics	CHROMIUM			844	26.0		
			Inorganics	COPPER			353	16.0		
			Inorganics	LEAD			189	31.0		
			Inorganics	MERCURY			0.35	0.15		
			Inorganics	NICKEL			272	16.0		
			Inorganics	SILVER			3.5	1.0		
			Inorganics	ZINC			343	120.0		
			PCBs	Aroclor-1248	38000	1000				
			Pesticides	4,4'-DDD	13	0.01				
			Pesticides	4,4'-DDE	52	0.01				
			Pesticides	Dieldrin	47	0.1				
			Pesticides	Endosulfan II	6.2	0.03				
			Pesticides	Endrin	20	0.8				
			Pesticides	Heptachlor	530	0.0008				
			Pesticides	Heptachlor epoxide	60	0.0008				
			Pesticides	Methoxychlor	32	0.6				
			SVOCs/BNAs	Acenaphthene	530	140				
			SVOCs/BNAs	Anthracene	1200	107				
			SVOCs/BNAs	Benzo(a)anthracene	2900	12				
			SVOCs/BNAs	Benzo(a)pyrene	2900	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	2800	199.5				
			SVOCs/BNAs	Fluoranthene	7600	1020				
			SVOCs/BNAs	Naphthalene	330	30				
			SVOCs/BNAs	Phenol	130	0.5				
			SVOCs/BNAs	Pyrene	7900	961				
R3-8	66	72	Inorganics	MERCURY			0.52	0.15		
			PCBs	Aroclor-1248	40000	1000				
			Pesticides	4,4'-DDD	22	0.01				
			Pesticides	4,4'-DDE	75	0.01				
			Pesticides	Dieldrin	99	0.1				
			Pesticides	Endosulfan II	6.3	0.03				
			Pesticides	Endrin	20	0.8				
			Pesticides	Heptachlor	470	0.0008				
			Pesticides	Heptachlor epoxide	54	0.0008				
			Pesticides	Methoxychlor	32	0.6				
			SVOCs/BNAs	Acenaphthene	450	140				
			SVOCs/BNAs	Anthracene	1100	107				
			SVOCs/BNAs	Benzo(a)anthracene	2500	12				
			SVOCs/BNAs	Benzo(a)pyrene	2300	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1900	199.5				
			SVOCs/BNAs	Fluoranthene	6800	1020				
			SVOCs/BNAs	Naphthalene	260	30				
			SVOCs/BNAs	Phenol	120	0.5				
			SVOCs/BNAs	Pyrene	7500	961				
R3-8	78	84	Inorganics	ANTIMONY			11	2.0		
			Inorganics	ARSENIC			17.9	6.0		
			Inorganics	CADMIUM			14.5	0.6		
			Inorganics	CHROMIUM			1010	26.0		
			Inorganics	COPPER			398	16.0		
			Inorganics	LEAD			381	31.0		
			Inorganics	MERCURY			0.45	0.15		
			Inorganics	NICKEL			270	16.0		
			Inorganics	SILVER			5.2	1.0		
			Inorganics	ZINC			693	120.0		
			PCBs	Aroclor-1248	69000	1000				
			Pesticides	4,4'-DDE	240	0.01				
			Pesticides	Endosulfan II	54	0.03				
			Pesticides	Heptachlor	1200	0.0008				
			Pesticides	Heptachlor epoxide	110	0.0008				
			SVOCs/BNAs	Acenaphthene	490	140				
			SVOCs/BNAs	Anthracene	1300	107				
			SVOCs/BNAs	Benzo(a)anthracene	3100	12				

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-8 (cont.)	78	84	SVOCs/BNAs	Benzo(a)pyrene	2900	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	4500	199.5				
			SVOCs/BNAs	Fluoranthene	8400	1020				
			SVOCs/BNAs	Naphthalene	450	30				
			SVOCs/BNAs	Phenol	130	0.5				
			SVOCs/BNAs	Pyrene	8900	961				
R3-8	90	96	Inorganics	ANTIMONY			9.7	2.0		
			Inorganics	ARSENIC			14.5	6.0		
			Inorganics	CADMIUM			7.6	0.6		
			Inorganics	CHROMIUM			556	26.0		
			Inorganics	COPPER			233	16.0		
			Inorganics	LEAD			219	31.0		
			Inorganics	MERCURY			0.33	0.15		
			Inorganics	NICKEL			178	16.0		
			Inorganics	SILVER			2.6	1.0		
			Inorganics	ZINC			399	120.0		
			PCBs	Aroclor-1248	46000	1000				
			Pesticides	4,4'-DDE	100	0.01				
			Pesticides	Endosulfan II	6.8	0.03				
			Pesticides	Endrin	27	0.8				
			Pesticides	Heptachlor	470	0.0008				
			Pesticides	Heptachlor epoxide	70	0.0008				
			Pesticides	Methoxychlor	10	0.6				
			SVOCs/BNAs	Acenaphthene	380	140				
			SVOCs/BNAs	Anthracene	880	107				
			SVOCs/BNAs	Benzo(a)anthracene	2500	12				
			SVOCs/BNAs	Benzo(a)pyrene	2400	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	3100	199.5				
			SVOCs/BNAs	Fluoranthene	6100	1020				
			SVOCs/BNAs	Naphthalene	280	30				
			SVOCs/BNAs	Phenol	110	0.5				
			SVOCs/BNAs	Pyrene	7100	961				
R3-9	0	6	Inorganics	ANTIMONY			7.2	2.0		
			Inorganics	ARSENIC			10.5	6.0		
			Inorganics	CADMIUM			7	0.6		
			Inorganics	CHROMIUM			1090	26.0		
			Inorganics	COPPER			405	16.0		
			Inorganics	LEAD			239	31.0		
			Inorganics	MERCURY			0.27	0.15		
			Inorganics	NICKEL			447	16.0		
			Inorganics	SILVER			3.6	1.0		
			Inorganics	ZINC			436	120.0		
			PCBs	Aroclor-1242	19000	1000				
			Pesticides	4,4'-DDE	18	0.01				
			Pesticides	4,4'-DDT	120	0.01				
			Pesticides	Endosulfan II	57	0.03				
			Pesticides	Endrin	22	0.8				
			Pesticides	Heptachlor	210	0.0008				
			Pesticides	Heptachlor epoxide	70	0.0008				
			Pesticides	Methoxychlor	290	0.6				
			SVOCs/BNAs	Acenaphthene	720	140				
			SVOCs/BNAs	Anthracene	1600	107				
			SVOCs/BNAs	Benzo(a)anthracene	3400	12				
			SVOCs/BNAs	Benzo(a)pyrene	3000	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	4700	199.5				
			SVOCs/BNAs	Fluoranthene	8500	1020				
			SVOCs/BNAs	Naphthalene	420	30				
			SVOCs/BNAs	Phenol	130	0.5				
			SVOCs/BNAs	Pyrene	9400	961				
			VOCs	C5 Benzene	29	0.6				
R3-9	6	12	Inorganics	ARSENIC			7.3	6.0		
			Inorganics	CADMIUM			3.5	0.6		
			Inorganics	CHROMIUM			731	26.0		
			Inorganics	COPPER			297	16.0		
			Inorganics	LEAD			254	31.0		

Table 4.7
Sediment Sample Exeedances

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Group	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)[1]	Result (mg/kg)	NYS Sediment Criteria (mg/kg)	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R3-9 (cont.)	6	12	Inorganics	MERCURY			0.26	0.15		
			Inorganics	NICKEL			284	16.0		
			Inorganics	SILVER			2.5	1.0		
			Inorganics	ZINC			315	120.0		
			PCBs	Aroclor-1242	14000	1000				
			Pesticides	4,4'-DDE	18	0.01				
			Pesticides	4,4'-DDT	61	0.01				
			Pesticides	Endosulfan I	13	0.03				
			Pesticides	Endosulfan II	5	0.03				
			Pesticides	Endrin	16	0.8				
			Pesticides	Heptachlor	160	0.0008				
			Pesticides	Heptachlor epoxide	34	0.0008				
			Pesticides	Methoxychlor	24	0.6				
			SVOCs/BNAs	Acenaphthene	510	140				
			SVOCs/BNAs	Anthracene	1200	107				
			SVOCs/BNAs	Benzo(a)anthracene	2400	12				
			SVOCs/BNAs	Benzo(a)pyrene	1700	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	3400	199.5				
			SVOCs/BNAs	Fluoranthene	6800	1020				
			SVOCs/BNAs	Naphthalene	300	30				
			SVOCs/BNAs	Phenol	74	0.5				
			SVOCs/BNAs	Pyrene	7000	961				
R3-9	18	24	Inorganics	ARSENIC			7.7	6.0		
			Inorganics	CADMIUM			3.2	0.6		
			Inorganics	CHROMIUM			425	26.0		
			Inorganics	COPPER			249	16.0		
			Inorganics	LEAD			142	31.0		
			Inorganics	MERCURY			0.41	0.15		
			Inorganics	NICKEL			160	16.0		
			Inorganics	SILVER			2.1	1.0		
			Inorganics	ZINC			225	120.0		
			PCBs	Aroclor-1242	3300	1000				
			Pesticides	4,4'-DDE	8.7	0.01				
			Pesticides	4,4'-DDT	27	0.01				
			Pesticides	Endosulfan I	5.7	0.03				
			Pesticides	Endosulfan II	5	0.03				
			Pesticides	Endrin	6.1	0.8				
			Pesticides	Heptachlor	41	0.0008				
			Pesticides	Heptachlor epoxide	15	0.0008				
			Pesticides	Methoxychlor	26	0.6				
			SVOCs/BNAs	Acenaphthene	230	140				
			SVOCs/BNAs	Anthracene	580	107				
			SVOCs/BNAs	Benzo(a)anthracene	1600	12				
			SVOCs/BNAs	Benzo(a)pyrene	1300	1.3				
			SVOCs/BNAs	Bis(2-ethylhexyl)phthalate	1600	199.5				
			SVOCs/BNAs	Fluoranthene	4000	1020				
			SVOCs/BNAs	Naphthalene	160	30				
			SVOCs/BNAs	Phenol	470	0.5				
			SVOCs/BNAs	Pyrene	4100	961				

Notes:

[1] For PCB results, only samples exceeding the Toxic Substances Control Act (TSCA) High Occupancy Area Minimum Criteria for PCBs are presented

In cases where a sample was analyzed for the same chemical multiple times, only the highest concentration is presented in this table

in - inches
µg/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
ng/kg - nanograms per kilogram
NYS - New York State
EPA - U.S. Environmental Protection Agency
VOCs - volatile organic compounds
SVOCs - semivolatile organic compounds
BNAs - base/neutral/acid organic compounds
PCBs - polychlorinated biphenyls

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Table 5.1a
PCB Maximum Soil Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
Aroclor-1242					
SP-04	18	24	Aroclor-1242	2800	100
SP-05	18	24	Aroclor-1242	2400	100
Aroclor-1248					
SW-6	6	12	Aroclor-1248	500000	100
SB-1504	30	36	Aroclor-1248	450000	100
SB-1506	0	6	Aroclor-1248	350000	100
SB-1505	0	6	Aroclor-1248	280000	100
SW-5	6	12	Aroclor-1248	260000	100
SB-1511	0	6	Aroclor-1248	240000	100
SB-1507	0	6	Aroclor-1248	160000	100
SB-1503	30	36	Aroclor-1248	110000	100
LLCD27	12	24	Aroclor-1248	86100	100
LLCD35	0	12	Aroclor-1248	40900	100
LLCD38	12	24	Aroclor-1248	40200	100
SB-1508	30	36	Aroclor-1248	36000	100
SB-1510	54	60	Aroclor-1248	29000	100
LLCD29	12	24	Aroclor-1248	13700	100
LLCD25	0	12	Aroclor-1248	8880	100
SW-3	6	12	Aroclor-1248	6500	100
LLCD21	12	24	Aroclor-1248	4960	100
LLCD08	12	24	Aroclor-1248	4100	100
SW-4	6	12	Aroclor-1248	3600	100
LLCD32	0	12	Aroclor-1248	3300	100
SP-01	6	12	Aroclor-1248	1700	100
SP-03	6	12	Aroclor-1248	1600	100
SP-02	6	12	Aroclor-1248	770	100
SW-7	0	6	Aroclor-1248	390	100
LLCD40	12	24	Aroclor-1248	363	100
SW-1	6	12	Aroclor-1248	340	100
SW-2	0	6	Aroclor-1248	300	100
LLCD28	0	12	Aroclor-1248	265	100
LLCD14	0	12	Aroclor-1248	116	100
LLCD13	0	12	Aroclor-1248	69	100
SB-1501	54	60	Aroclor-1248	66	100
SB-1500	30	36	Aroclor-1248	62	100
SB-1502	0	6	Aroclor-1248	28	100
LLCD02	0	12	Aroclor-1248	26.3	100
Aroclor-1260					
R3-15	12	24	Aroclor-1260	5180	100
LLCD38	12	24	Aroclor-1260	2940	100
LLCD27	12	24	Aroclor-1260	2910	100
LLCD35	0	12	Aroclor-1260	2140	100
R3-13	0	6	Aroclor-1260	1930	100
LLCD29	12	24	Aroclor-1260	1670	100
LLCD28	0	12	Aroclor-1260	1090	100
LLCD32	0	12	Aroclor-1260	930	100
LLCD25	0	12	Aroclor-1260	851	100
LLCD21	12	24	Aroclor-1260	711	100
LLCD08	12	24	Aroclor-1260	546	100
SB-1505	30	36	Aroclor-1260	510	100
SB-T4A	54	60	Aroclor-1260	380	100
R3-14	60	72	Aroclor-1260	299	100
LLCD13	0	12	Aroclor-1260	235	100
SB-1509	54	60	Aroclor-1260	110	100
LLCD01	12	24	Aroclor-1260	69.3	100
LLCD02	0	12	Aroclor-1260	55	100
LLCD34	12	24	Aroclor-1260	36.5	100
LLCD39	0	12	Aroclor-1260	34.9	100
LLCD14	0	12	Aroclor-1260	34.7	100

Notes:
Highlighted cells indicate results greater than the Unrestriced Use NYS Soil Criteria
NYS - New York State
in - inches
µg/kg - micrograms per kilogram

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Table 5.1b
Mercury Maximum Soil Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
LLCD28	0	12	MERCURY	4.11	0.18
SB-1500	30	36	MERCURY	3.5	0.18
LLCD13	0	12	MERCURY	1.5	0.18
LLCD21	12	24	MERCURY	1.3	0.18
SP-01	18	24	MERCURY	1.1	0.18
SW-5	30	36	MERCURY	1.1	0.18
LLCD25	0	12	MERCURY	1.09	0.18
SP-05	18	24	MERCURY	0.98	0.18
LLCD35	12	24	MERCURY	0.845	0.18
LLCD27	0	12	MERCURY	0.819	0.18
SW-6	6	12	MERCURY	0.73	0.18
SP-03	18	24	MERCURY	0.62	0.18
SW-4	0	6	MERCURY	0.43	0.18
LLCD02	0	12	MERCURY	0.391	0.18
LLCD01	12	24	MERCURY	0.348	0.18
SB-1501	54	60	MERCURY	0.33	0.18
SP-02	18	24	MERCURY	0.32	0.18
LLCD14	0	12	MERCURY	0.297	0.18
SB-T4A	54	60	MERCURY	0.29	0.18
LLCD17	12	24	MERCURY	0.262	0.18
LLCD49	36	48	MERCURY	0.254	0.18
SP-04	18	24	MERCURY	0.25	0.18
SW-3	6	12	MERCURY	0.22	0.18
SW-2	0	6	MERCURY	0.22	0.18
SW-1	0	6	MERCURY	0.21	0.18
LLCD34	0	12	MERCURY	0.185	0.18
LLCD39	0	12	MERCURY	0.134	0.18
SB-T1A	0	6	MERCURY	0.094	0.18
SB-T3A	30	36	MERCURY	0.094	0.18
SB-T2A	0	6	MERCURY	0.083	0.18
LLCD44	0	12	MERCURY	0.0807	0.18
LLCD44	12	24	MERCURY	0.0807	0.18
LLCD40	0	12	MERCURY	0.0696	0.18

Notes:
Highlighted cells indicate results greater than the Unrestricted Use NYS Soil Criteria
NYS - New York State
in - inches
mg/kg - milligrams per kilogram

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Table 5.1c
Benzo(a)pyrene Maximum Soil Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
LLCD02	0	12	Benzo(a)pyrene	27400	1000
LLCD14	12	24	Benzo(a)pyrene	5300	1000
LLCD13	12	24	Benzo(a)pyrene	3610	1000
SP-01	0	6	Benzo(a)pyrene	3200	1000
LLCD35	0	12	Benzo(a)pyrene	3070	1000
LLCD27	0	12	Benzo(a)pyrene	2960	1000
LLCD01	12	24	Benzo(a)pyrene	2800	1000
LLCD28	0	12	Benzo(a)pyrene	2270	1000
LLCD17	12	24	Benzo(a)pyrene	2110	1000
LLCD21	12	24	Benzo(a)pyrene	1670	1000
LLCD25	0	12	Benzo(a)pyrene	1490	1000
LLCD39	12	24	Benzo(a)pyrene	895	1000
SP-04	0	6	Benzo(a)pyrene	770	1000
SP-04	6	12	Benzo(a)pyrene	770	1000
SP-02	0	6	Benzo(a)pyrene	650	1000
LLCD34	0	12	Benzo(a)pyrene	584	1000
SP-05	0	6	Benzo(a)pyrene	470	1000
SP-03	0	6	Benzo(a)pyrene	430	1000
LLCD49	36	48	Benzo(a)pyrene	287	1000
LLCD44	0	12	Benzo(a)pyrene	196	1000
LLCD40	12	24	Benzo(a)pyrene	101	1000

Notes:
Highlighted cells indicate results greater than the Unrestriced Use NYS Soil Criteria
NYS - New York State
in - inches
µg/kg - micrograms per kilogram

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Table 5.1d
Chromium Maximum Soil Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	Unrestricted Use NYS Soil Criteria (mg/kg)
SW-6	6	12	CHROMIUM	5320	30
SW-5	0	6	CHROMIUM	3430	30
LLCD28	0	12	CHROMIUM	1320	30
LLCD27	0	12	CHROMIUM	1270	30
LLCD35	0	12	CHROMIUM	686	30
SP-05	18	24	CHROMIUM	419	30
SP-03	6	12	CHROMIUM	379	30
LLCD21	12	24	CHROMIUM	342	30
LLCD25	0	12	CHROMIUM	293	30
SP-02	6	12	CHROMIUM	230	30
SP-01	18	24	CHROMIUM	167	30
SP-04	18	24	CHROMIUM	116	30
SW-3	6	12	CHROMIUM	92.8	30
SW-4	0	6	CHROMIUM	57.6	30
SB-T4A	54	60	CHROMIUM	46.6	30
SW-7	0	6	CHROMIUM	44.7	30
SW-1	0	6	CHROMIUM	30.5	30
LLCD34	12	24	CHROMIUM	27.7	30
LLCD02	0	12	CHROMIUM	26.7	30
LLCD01	12	24	CHROMIUM	20.4	30
LLCD17	12	24	CHROMIUM	20.4	30
SB-1500	0	6	CHROMIUM	20.3	30
LLCD13	12	24	CHROMIUM	19.4	30
SB-1501	0	6	CHROMIUM	18.6	30
SB-T2A	30	36	CHROMIUM	18.5	30
LLCD44	0	12	CHROMIUM	17.5	30
SB-T3A	54	60	CHROMIUM	16	30
LLCD40	12	24	CHROMIUM	14.7	30
LLCD14	12	24	CHROMIUM	13.5	30
SW-2	0	6	CHROMIUM	12.6	30
LLCD39	0	12	CHROMIUM	11.8	30
SB-T1A	54	60	CHROMIUM	11.1	30
LLCD49	36	48	CHROMIUM	11	30

Notes:
Highlighted cells indicate results greater than the Unrestricted Use NYS Soil Criteria
NYS - New York State
in - inches
mg/kg - milligrams per kilogram

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Table 5.1e
4,4'-DDE and 4,4'-DDT Maximum Soil Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	Unrestricted Use NYS Soil Criteria (µg/kg)
4,4'-DDE					
SP-03	6	12	4,4'-DDE	21	3.3
SP-04	18	24	4,4'-DDE	18	3.3
SP-05	18	24	4,4'-DDE	12	3.3
4,4'-DDT					
SP-01	6	12	4,4'-DDT	94	3.3
SP-02	6	12	4,4'-DDT	20	3.3
SP-03	0	6	4,4'-DDT	7.6	3.3
SP-04	18	24	4,4'-DDT	21	3.3
SP-05	18	24	4,4'-DDT	15	3.3

Notes:

Highlighted cells indicate results greater than the Unrestricted Use NYS Soil Criteria

NYS - New York State

in - inches

µg/kg - micrograms per kilogram

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Table 5.1f
Total HpCDD Maximum Soil Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
LLCD27	0	12	Total HpCDD	1730	1000
LLCD28	0	12	Total HpCDD	1690	1000
LLCD35	0	12	Total HpCDD	1690	1000
LLCD02	0	12	Total HpCDD	1400	1000
LLCD25	0	12	Total HpCDD	1370	1000
LLCD21	0	12	Total HpCDD	1060	1000
LLCD01	0	12	Total HpCDD	419	1000
LLCD34	0	12	Total HpCDD	242	1000
LLCD13	0	12	Total HpCDD	193	1000
LLCD14	0	12	Total HpCDD	96.8	1000
LLCD17	0	12	Total HpCDD	76.5	1000
LLCD39	0	12	Total HpCDD	44.7	1000
LLCD44	0	12	Total HpCDD	32	1000
LLCD40	0	12	Total HpCDD	27.8	1000
LLCD49	84	96	Total HpCDD	1.68	1000

Notes:
Highlighted cells indicate results greater than the EPA Preliminary Remediation Goal for Dioxins in Residential Soil
HpCDD - Heptachlorodibenzo-p-dioxin
EPA - U.S. Environmental Protection Agency
in - inches
ng/kg - nanograms per kilogram
NA - Not Available

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Table 5.2a
PCB Maximum Sediment Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ug/kg)	NYS Sediment Criteria (µg/kg)	TSCA High Occupancy Area Minimum Criteria (µg/kg)
Aroclor-1242						
R3-11	6	12	Aroclor-1242	43000	0.0008	1000
R3-9	0	6	Aroclor-1242	19000	0.0008	1000
R2-11	18	24	Aroclor-1242	15000	0.0008	1000
R3-3	18	24	Aroclor-1242	9800	0.0008	1000
R3-8	18	24	Aroclor-1242	9400	0.0008	1000
R3-6	6	12	Aroclor-1242	7700	0.0008	1000
R3-7	18	24	Aroclor-1242	7300	0.0008	1000
R2-12	18	24	Aroclor-1242	7000	0.0008	1000
R3-5	18	24	Aroclor-1242	6200	0.0008	1000
R2-9	18	24	Aroclor-1242	4600	0.0008	1000
R3-2	18	24	Aroclor-1242	4200	0.0008	1000
R2-10	18	24	Aroclor-1242	3800	0.0008	1000
R3-4	6	12	Aroclor-1242	3300	0.0008	1000
R2-8	18	24	Aroclor-1242	2800	0.0008	1000
R3-1	0	6	Aroclor-1242	2200	0.0008	1000
R2-14	18	24	Aroclor-1242	2000	0.0008	1000
R2-15	6	12	Aroclor-1242	2000	0.0008	1000
R2-16	18	24	Aroclor-1242	1400	0.0008	1000
R2-4	0	6	Aroclor-1242	1200	0.0008	1000
R2-13	0	6	Aroclor-1242	1100	0.0008	1000
R3-10	6	12	Aroclor-1242	920	0.0008	1000
R1-2	0	6	Aroclor-1242	230	0.0008	1000
R2-17	0	6	Aroclor-1242	170	0.0008	1000
R2-7	0	6	Aroclor-1242	140	0.0008	1000
R2-1	18	24	Aroclor-1242	61	0.0008	1000
R1-4	0	6	Aroclor-1242	55	0.0008	1000
R1-1	0	6	Aroclor-1242	49	0.0008	1000
R1-3	0	6	Aroclor-1242	49	0.0008	1000
Aroclor-1248						
R3-13	0	6	Aroclor-1248	315000	0.0008	1000
R3-15	12	24	Aroclor-1248	303000	0.0008	1000
R3-8	78	84	Aroclor-1248	69000	0.0008	1000
R2-11	18	24	Aroclor-1248	26000	0.0008	1000
R3-3	42	48	Aroclor-1248	24000	0.0008	1000
R3-12	18	24	Aroclor-1248	15000	0.0008	1000
R3-14	60	72	Aroclor-1248	12300	0.0008	1000
R3-11	6	12	Aroclor-1248	8300	0.0008	1000
R2-15	30	36	Aroclor-1248	5500	0.0008	1000
R2-7	6	12	Aroclor-1248	150	0.0008	1000
Aroclor-1260						
R2-15	0	6	Aroclor-1260	18000	0.0008	1000

Notes:
Highlighted cells indicate results greater than the TSCA High Occupancy Area Minimum Criteria
PCB - polychlorinated biphenyl
NYS - New York State
TSCA - Toxic Substances Control Act
in - inches
µg/kg - micrograms per kilogram

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Table 5.2b
Mercury Maximum Sediment Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R2-2	6	12	MERCURY	2.1	0.15
R2-1	6	12	MERCURY	1.6	0.15
R2-4	0	6	MERCURY	1.3	0.15
R3-12	30	36	MERCURY	1.1	0.15
R3-3	66	72	MERCURY	1	0.15
R2-5	6	12	MERCURY	0.93	0.15
R3-11	18	24	MERCURY	0.72	0.15
R2-15	54	60	MERCURY	0.68	0.15
R2-11	30	36	MERCURY	0.59	0.15
R3-8	66	72	MERCURY	0.52	0.15
R3-6	18	24	MERCURY	0.45	0.15
R2-3	0	6	MERCURY	0.44	0.15
R3-9	18	24	MERCURY	0.41	0.15
R2-14	18	24	MERCURY	0.38	0.15
R2-8	6	12	MERCURY	0.34	0.15
R2-9	18	24	MERCURY	0.28	0.15
R2-16	0	6	MERCURY	0.28	0.15
R2-12	18	24	MERCURY	0.27	0.15
R2-13	18	24	MERCURY	0.26	0.15
R3-5	18	24	MERCURY	0.25	0.15
R2-7	0	6	MERCURY	0.25	0.15
R3-1	6	12	MERCURY	0.21	0.15
R1-1	0	6	MERCURY	0.21	0.15
R3-4	18	24	MERCURY	0.2	0.15
R2-6	6	12	MERCURY	0.2	0.15
R3-2	18	24	MERCURY	0.17	0.15
R2-17	6	12	MERCURY	0.17	0.15
R2-10	6	12	MERCURY	0.16	0.15
R3-7	18	24	MERCURY	0.11	0.15
R3-10	6	12	MERCURY	0.1	0.15
R1-2	0	6	MERCURY	0.061	0.15

Notes:
Highlighted cells indicate results greater than the NYS Sediment Criteria
NYS - New York State
in - inches
mg/kg - milligrams per kilogram

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Table 5.2c
Benzo(a)pyrene Maximum Sediment Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
R2-12	6	12	Benzo(a)pyrene	42000	1.3
R3-3	0	6	Benzo(a)pyrene	31000	1.3
R2-16	6	12	Benzo(a)pyrene	25000	1.3
R3-6	0	6	Benzo(a)pyrene	22000	1.3
R2-13	0	6	Benzo(a)pyrene	21000	1.3
R3-1	6	12	Benzo(a)pyrene	20000	1.3
R3-2	6	12	Benzo(a)pyrene	12000	1.3
R3-4	0	6	Benzo(a)pyrene	12000	1.3
R3-5	6	12	Benzo(a)pyrene	10000	1.3
R3-11	0	6	Benzo(a)pyrene	8900	1.3
R3-8	42	48	Benzo(a)pyrene	6300	1.3
R3-7	0	6	Benzo(a)pyrene	4600	1.3
R2-1	6	12	Benzo(a)pyrene	4500	1.3
R3-9	0	6	Benzo(a)pyrene	3000	1.3
R1-1	0	6	Benzo(a)pyrene	2700	1.3
R2-15	6	12	Benzo(a)pyrene	2600	1.3
R2-14	0	6	Benzo(a)pyrene	2500	1.3
R2-11	18	24	Benzo(a)pyrene	1700	1.3
R3-12	18	24	Benzo(a)pyrene	1700	1.3
R2-8	0	6	Benzo(a)pyrene	1600	1.3
R2-17	0	6	Benzo(a)pyrene	1500	1.3
R2-2	0	6	Benzo(a)pyrene	1300	1.3
R3-10	0	6	Benzo(a)pyrene	1300	1.3
R2-10	0	6	Benzo(a)pyrene	1100	1.3
R2-9	0	6	Benzo(a)pyrene	750	1.3
R1-2	0	6	Benzo(a)pyrene	730	1.3
R2-7	0	6	Benzo(a)pyrene	470	1.3
R1-4	0	6	Benzo(a)pyrene	220	1.3
R1-3	0	6	Benzo(a)pyrene	120	1.3
R2-4	0	6	Benzo(a)pyrene	110	1.3
R2-6	0	6	Benzo(a)pyrene	96	1.3
R2-3	0	6	Benzo(a)pyrene	62	1.3
R2-5	0	6	Benzo(a)pyrene	40	1.3

Notes:
Highlighted cells indicate results greater than NYS Sediment Criteria
NYS - New York State
in - inches
µg/kg - micrograms per kilogram

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Table 5.2d
Chromium Maximum Sediment Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (mg/kg)	NYS Sediment Criteria (mg/kg)
R3-9	0	6	CHROMIUM	1090	26.0
R3-8	78	84	CHROMIUM	1010	26.0
R3-11	6	12	CHROMIUM	1000	26.0
R3-3	66	72	CHROMIUM	961	26.0
R3-6	18	24	CHROMIUM	872	26.0
R2-12	18	24	CHROMIUM	608	26.0
R2-11	18	24	CHROMIUM	602	26.0
R3-12	18	24	CHROMIUM	543	26.0
R2-10	18	24	CHROMIUM	404	26.0
R2-9	18	24	CHROMIUM	386	26.0
R2-15	42	48	CHROMIUM	289	26.0
R2-14	18	24	CHROMIUM	248	26.0
R2-2	0	6	CHROMIUM	247	26.0
R2-8	18	24	CHROMIUM	192	26.0
R3-7	18	24	CHROMIUM	174	26.0
R3-2	18	24	CHROMIUM	170	26.0
R3-5	18	24	CHROMIUM	160	26.0
R2-13	18	24	CHROMIUM	112	26.0
R3-4	18	24	CHROMIUM	96.4	26.0
R3-1	18	24	CHROMIUM	77.1	26.0
R2-1	6	12	CHROMIUM	75.5	26.0
R1-1	0	6	CHROMIUM	67.4	26.0
R2-4	0	6	CHROMIUM	47.5	26.0
R2-17	0	6	CHROMIUM	45.4	26.0
R2-16	18	24	CHROMIUM	37	26.0
R2-7	30	36	CHROMIUM	29.4	26.0
R3-10	6	12	CHROMIUM	27.3	26.0
R2-5	0	6	CHROMIUM	21.4	26.0
R2-6	0	6	CHROMIUM	20.4	26.0
R1-2	0	6	CHROMIUM	19.8	26.0
R2-3	0	6	CHROMIUM	18.4	26.0
R1-4	0	6	CHROMIUM	5.8	26.0
R1-3	0	6	CHROMIUM	3.8	26.0

Notes:
Highlighted cells indicate results greater than the NYS Sediment Criteria
NYS - New York State
in - inches
mg/kg - milligrams per kilogram

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Table 5.2e
4,4'-DDE and 4,4'-DDT Maximum Sediment Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (µg/kg)	NYS Sediment Criteria (µg/kg)
4,4'-DDE					
R3-8	78	84	4,4'-DDE	240	0.01
R3-3	42	48	4,4'-DDE	86	0.01
R3-11	6	12	4,4'-DDE	75	0.01
R2-11	18	24	4,4'-DDE	65	0.01
R3-12	18	24	4,4'-DDE	53	0.01
R3-5	18	24	4,4'-DDE	51	0.01
R3-9	18	24	4,4'-DDE	50	0.01
R2-9	18	24	4,4'-DDE	30	0.01
R3-6	6	12	4,4'-DDE	24	0.01
R2-15	42	48	4,4'-DDE	23	0.01
R3-7	18	24	4,4'-DDE	23	0.01
R2-10	18	24	4,4'-DDE	18	0.01
R2-12	18	24	4,4'-DDE	16	0.01
R2-7	6	12	4,4'-DDE	14	0.01
R3-4	18	24	4,4'-DDE	13	0.01
R3-2	18	24	4,4'-DDE	12	0.01
R2-8	18	24	4,4'-DDE	11	0.01
R3-1	0	6	4,4'-DDE	11	0.01
R2-14	18	24	4,4'-DDE	10	0.01
R2-5	0	6	4,4'-DDE	10	0.01
R2-4	0	6	4,4'-DDE	8.5	0.01
R2-3	0	6	4,4'-DDE	7.8	0.01
R2-1	6	12	4,4'-DDE	7.3	0.01
R2-16	18	24	4,4'-DDE	6	0.01
R1-4	0	6	4,4'-DDE	5.5	0.01
R2-17	6	12	4,4'-DDE	5.5	0.01
R1-3	6	12	4,4'-DDE	5.4	0.01
R2-13	18	24	4,4'-DDE	5.3	0.01
R1-1	18	24	4,4'-DDE	4.3	0.01
R3-10	18	24	4,4'-DDE	4.1	0.01
4,4'-DDE					
R3-11	6	12	4,4'-DDT	140	0.01
R3-9	0	6	4,4'-DDT	120	0.01
R3-3	42	48	4,4'-DDT	99	0.01
R3-12	18	24	4,4'-DDT	97	0.01
R3-8	18	24	4,4'-DDT	75	0.01
R2-11	18	24	4,4'-DDT	69	0.01
R2-15	42	48	4,4'-DDT	45	0.01
R3-5	18	24	4,4'-DDT	42	0.01
R3-4	6	12	4,4'-DDT	38	0.01
R3-7	18	24	4,4'-DDT	37	0.01
R3-1	0	6	4,4'-DDT	34	0.01
R2-12	18	24	4,4'-DDT	33	0.01
R2-9	18	24	4,4'-DDT	31	0.01
R3-2	18	24	4,4'-DDT	24	0.01
R2-7	30	36	4,4'-DDT	18	0.01
R2-8	18	24	4,4'-DDT	18	0.01
R2-1	0	6	4,4'-DDT	17	0.01
R2-10	18	24	4,4'-DDT	16	0.01
R2-14	18	24	4,4'-DDT	13	0.01
R2-16	0	6	4,4'-DDT	12	0.01
R2-13	0	6	4,4'-DDT	9	0.01
R3-6	0	6	4,4'-DDT	8.7	0.01
R2-3	6	12	4,4'-DDT	8.3	0.01
R2-2	0	6	4,4'-DDT	6.8	0.01
R1-4	0	6	4,4'-DDT	5.5	0.01
R2-17	0	6	4,4'-DDT	5.1	0.01
R3-10	0	6	4,4'-DDT	4.9	0.01
R1-2	0	6	4,4'-DDT	4.3	0.01

Notes:
Highlighted cells indicate results greater than NYS Sediment Criteria
NYS - New York State
in - inches
µg/kg - micrograms per kilogram
4,4'-DDE - 4,4'-Dichlorodiphenyldichloroethylene
4,4'-DDT - 4,4'-Dichlorodiphenyltrichloroethane

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Table 5.2f
Total HpCDD Maximum Sediment Concentrations by Location

Location ID	Starting Depth (in)	Ending Depth (in)	Chemical Name	Result (ng/kg)	EPA Preliminary Remediation Goal for Dioxins in Residential Soil (ng/kg)
R2-12	0	6	Total HpCDD	18000	1000
R2-11	0	6	Total HpCDD	1100	1000
R2-14	0	6	Total HpCDD	1000	1000
R3-2	0	6	Total HpCDD	950	1000
R3-5	0	6	Total HpCDD	290	1000
R2-7	0	6	Total HpCDD	160	1000
R3-7	0	6	Total HpCDD	99	1000
R2-1	0	6	Total HpCDD	69	1000
R2-3	0	6	Total HpCDD	32	1000
R1-4	0	6	Total HpCDD	8.1	1000

Notes:
Highlighted cells indicate results greater than the EPA Preliminary Remediation Goal for Dioxins in Residential Soil
HpCDD - Heptachlorodibenzo-p-dioxin
EPA - U.S. Environmental Protection Agency
in - inches
ng/kg - nanograms per kilogram

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Table 7.1
Human Health Risk Concerns

Exposure Pathway/Media	Non-Cancer Risk		Cancer Risk	
	Exposure Risk	Primary COPCs	Exposure Risk	Primary COPCs
Sediments				
Recreational Visitor - Adult	Fish ingestion	PCBs and Chromium	Fish ingestion	PCBs, Chromium, and Arsenic
Recreational Vistor - Older Child (6 - <16 years old)	Fish ingestion and dermal exposure	PCBs and Chromium	Fish ingestion and dermal exposure	PCBs, Chromium, Arsenic, and Benzo(a)pyrene
Recreational Vistor - Younger Child (<6 years old)	Fish ingestion, dermal exposure, ingestion of sediment	PCBs, Chromium, Arsenic, and Mercury	Fish ingestion, dermal exposure, ingestion of sediment	PCBs, Chromium, Arsenic, and PAHs
Construction Worker - Adult	None	None	None	None
Soils				
Recreational Visitor - Adult	None	None	Direct contact (ingestion and dermal) with soils	Chromium and Benzo(a)pyrene
Recreational Vistor - Older Child (6 - <16 years old)	Dermal exposure	PCBs	Dermal exposure	Benzo(a)pyrene
Recreational Vistor - Younger Child (<6 years old)	Direct contact (ingestion and dermal) with soils	PCBs, Chromium, and Cadmium	Direct contact (ingestion and dermal) with soils	PCBs, PAHs, and Chromium
Construction Worker - Adult	Direct contact (ingestion and dermal) with soils	PCBs	Ingestion of soils	Chromium

Notes:

PCBs - polychlorinated biphenyls

COPCs - chemicals of potential concern

PAHs - polcyclic aromatic hydrocarbons

APPENDICES

The following appendices can be found as part of this DVD.

APPENDIX A

Sediment and Soil Logs

APPENDIX B

Toxicity Test Results

APPENDIX C

Region 2 EPA Electronic Data Deliverables

APPENDIX D

Database of Results

APPENDIX E

Human Health Risk Assessment

APPENDIX F

Baseline Ecological Risk Assessment