NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Commissioner

Transmitted Via Email Only

October 16, 2026

Andy Croniser
Director of Technology and Engineering
ELG Utica Alloys, Inc.
378 Gros Blvd, Suite 3
Herkimer, NY 13350

RE: Final Feasibility Study
Universal Waste, Inc. OU-1
Site No. 633009

Dear Mr. Croniser,

The New York State Department of Environmental Conservation (DEC) has reviewed the final Feasibility Study (FS) for the Universal Waste site (Site No. 633009), OU-1, which was received via email on October 15, 2026. Based on this review, all comments have been adequately addressed, and the FS is hereby approved. Please submit the final FS and this approval letter to the Site's document repository.

Thank you and please do not hesitate to contact me at (518) 402-9772 or kristin.granzen@dec.ny.gov with any questions.

Sincerely,

Kristin Granzen

Kristin Granzen
Project Manager
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Final Feasibility Study for Operable Unit 1

Universal Waste
Utica, New York
Site No. 633009

Prepared for:

ELG Utica Alloys, Inc.

Prepared by:

EHS Support

October 2026

I, Kristin A. VanLandingham, P.E., certify that I am currently a NYS-registered professional engineer and that this *Final Feasibility Study for Operable Units 1* for the Universal Waste Site No. 633009 dated August 2025 was prepared in accordance with New York State Department of Environmental Conservation (NYSDEC) Administrative Order on Consent (AOC) Index# AS-0850-15-03 dated October 11, 2015, all applicable statutes and regulations, and in conformance with the DER *Technical Guidance for Site Investigation and Remediation* (DER-10), where applicable.

Kristin A. VanLandingham, P.E.
NYS License No. 089610

10/14/2026
Date



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Acronyms

µg/L	microgram per liter
AOC	Administrative Order on Consent
bgs	below ground surface
C/I	Construction/Industrial
COC	constituent of concern
COPEC	constituent of potential ecological concern
CY	cubic yards
EDR	Environmental Data Resources, Inc.
EEEG	Ecology and Environment Engineering and Geology, P.C.
ELGUA	ELG Utica Alloys, Inc.
ESCO	Soil Cleanup Objective for the Protection of Ecological Resources
FS	feasibility study
ft	feet
ft^2	square feet
FWRIA	Fish and Wildlife Resources Impact Analysis
GQS	Groundwater Quality Standard
GSR	Green and Sustainable Remediation
HHEA	Human Health Exposure Assessment
IC	institutional control
IRM	interim remedial measure
LNAPL	light non-aqueous phase liquid
LOSRI	Limited On-site Remedial Investigation
LOSRIWP	*Limited On-site Remedial Investigation Work Plan*
MCL	maximum contaminant level
mg/kg	milligram per kilogram
MSL	mean sea level
MVWA	Mohawk Valley Water Authority
ng/L	nanograms per liter
NYC&HRRR	New York Central and Hudson River Railroad
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
O&M	operation and maintenance
OHSWA	Oneida-Herkimer Solid Waste Authority
OU	operable unit
OU1	Operable Unit 1

OU2	Operable Unit 2
OU3	Operable Unit 3
PAH	polycyclic aromatic hydrocarbons
PCB	polychlorinated biphenyl
PFAS	per- and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
ppt	parts per trillion
RI	remedial investigation
RIWP	remedial investigation work plan
ROD	Record of Decision
S&W	Stearns & Wheeler
SCG	standards, criteria, and guidance
SCO	soil cleanup objective
SEFA	Spreadsheets for Environmental Footprint Analysis
SMP	Soil Management Plan
SPLP	Synthetic Precipitation Leaching Procedure
SVOC	semi-volatile organic compound
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TCL	Target Compound List
TSCA	Toxic Substances Control Act
TSS	total suspended solids
UCU	United Contractors of Utica, New York
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VOC	volatile organic compound

Trademarks, trade names, company, or product names referenced herein are used for identification purposes only and are the property of their respective owners.

1 Introduction

EHS Support, LLC ("EHS Support") has prepared this *Final Feasibility Study Report for Operable Unit 1* ("OU1 FS Report") on behalf of ELG Utica Alloys, Inc. (ELGUA) for the Universal Waste Site ("Site") in accordance with New York State Department of Environmental Conservation (NYSDEC) Administrative Order on Consent (AOC) Index# A6-0850-15-03 dated October 11, 2015. The Site is located at the intersection of Wurz and Leland Avenues in Utica, Oneida County, New York (**Figure 1-1**) and is listed in the New York State Inactive Hazardous Waste Disposal Site Program as Site No. 633009. A layout of the Site is provided in **Figure 1-2**.

1.1 Purpose

As requested by NYSDEC, this OU1 FS Report has been prepared for the purpose of developing remedial alternatives for Operable Unit 1 (OU1), evaluating the alternatives based on established criteria, and making a recommendation for an appropriate final remedy. NYSDEC's *Technical Guidance for Site Investigation and Remediation* (DER-10; NYSDEC, 2010) specifies that the Feasibility Study (FS) should document the completion of the following activities:

- Identify the remedial goals for the Site.
- Define the nature and extent of Site constituents of concern (COCs) to be addressed by the developed alternatives.
- Develop remedial action objectives (RAOs) for the Site.
- Identify and screen technologies for effectiveness and implementability.
- Assemble the remaining technologies into remedial alternatives.
- Analyze the remedial alternatives pursuant to the evaluation criteria provided in DER-10.
- Provide a detailed description of the recommended remedy.
- Demonstrate that the recommended remedy can achieve the cleanup objectives for the Site.

1.2 Report Organization

This report was prepared per Chapter 4 (Remedy Selection) Section 4.4(b)4 of NYSDEC Division of Environmental Remediation (DER) *Technical Guidance for Site Investigation and Remediation* ("DER-10"; NYSDEC, 2010a). The specific elements required by DER-10 and their location in this OU1 FS Report include the following:

- Introduction — Section 1.1
- Site Description and History — Section 1.3
- Summary of Site Characterization and Exposure/Risk Assessment — Section 2
- Remedial Goals and Remedial Action Objectives — Section 3
- General Response Actions — Section 4.1
- Identification and Screening of Technologies — Sections 4.2 and 4.3
- Development and Evaluation of Remedial Alternatives — Sections 4.5 and 5
- Recommended Remedy, with Selection Justification — Section 6

1.3 Site Description and History

This section describes the Site, which consists of OU1, Operable Unit 2 (OU2), and Operable Unit 3 (OU3), and summarizes the information regarding operable unit (OU) property ownership and operational history. At the request of NYSDEC, this FS focuses only on OU1.

1.3.1 Site Description

The Site is located at the corner of Wurz Avenue and Leland Avenue in an industrialized area of the City of Utica, New York (**Figure 1-1**). The Site is partly owned and currently used by ELGUA and is listed on the New York State Inactive Hazardous Waste Disposal Site as Site No. 633009. Pursuant to the AOC Index# A6-0850-15-03 dated October 11, 2015, NYSDEC has identified the Site property owned by ELGUA as OU1, and certain off-site properties as OU2 and OU3 (**Figure 1-3**). **Section 1.3.1.1** through **Section 1.3.1.3** describe OU1, OU2, and OU3.

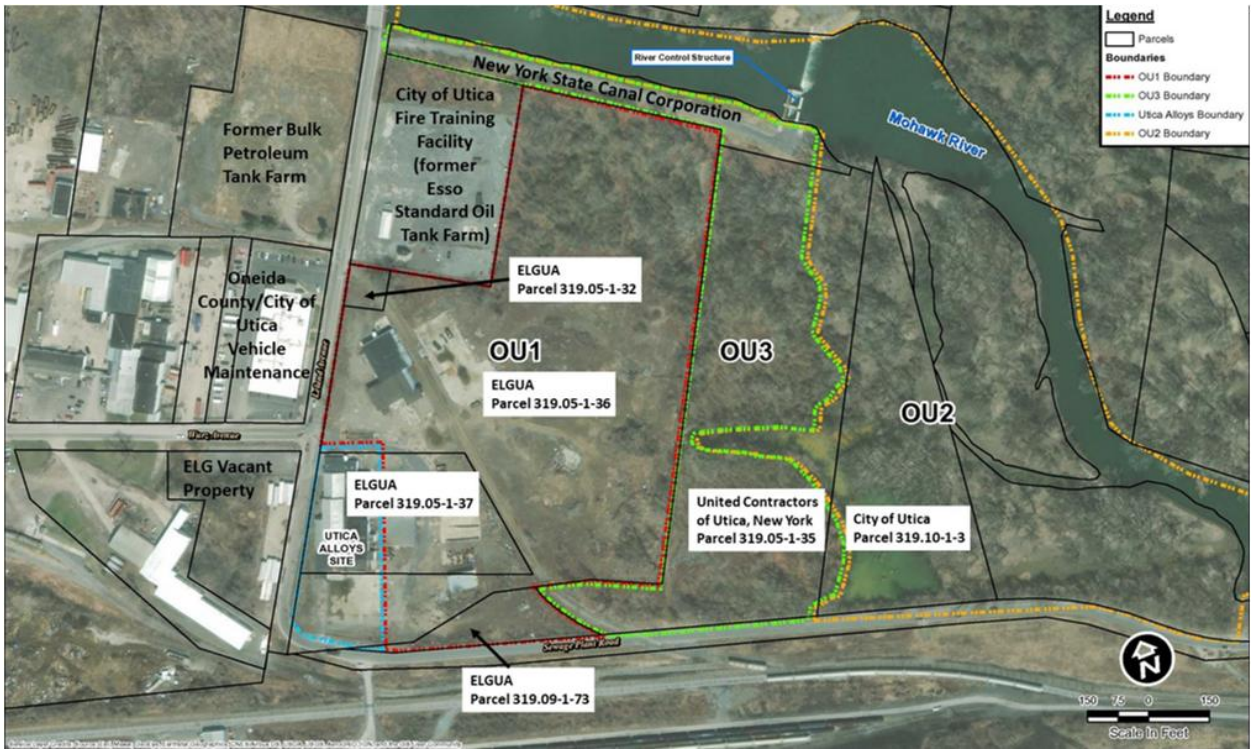


Figure 1-3 Site and Surrounding Property Ownership

1.3.1.1 OU1

OU1 is approximately 20 acres and is improved with a 14,000-square-foot (ft^2) building and two smaller sheds (**Figure 1-3**). OU1 comprises all or part of the following tax parcels owned by ELGUA: 319.05-1-32, 319.05-1-36, 319.05-1-37, and 319.09-1-73. OU1 is predominantly developed property with deciduous forest located in the northern portion and along the eastern boundary with OU3 along with barren land.

OU1 is bordered on the north, east, and southeast by OU3 as described in **Section 1.3.1.2**. OU1 is bordered to the north by the City of Utica Fire Department Training Facility (former Esso Standard

Oil/Exxon bulk storage facility), a gravel road, and the Mohawk River, as well as a river control structure on this section of the river. According to the Stearns & Wheler (S&W) *Preliminary Site Assessment* (PSA) (S&W, 2000), the former Exxon bulk storage facility was abandoned in 1972. The City of Utica Transit Authority, Leland and Wurz Avenues, and a parking lot are located to the west. Sewage Plant Road leading to the Oneida County sewage treatment plant and Oneida-Herkimer Solid Waste Authority (OHSWA) borders OU1 on the south, followed by a railroad-switching yard that runs east–west. The Utica Alloys Site borders OU1 on the south and west. The Utica Alloys site is also owned by ELGUA but is listed as a separate site on the New York State Inactive Hazardous Waste Disposal Site registry as Site No. 633047.

1.3.1.2 OU2

OU2 consists of two separate parcels of land located east of OU3 (**Figure 1-3**) and a portion of the main channel of the Mohawk River. The two parcels of land include a portion of tax parcel 319.05-1-35 located immediately east of OU3 and owned by United Contractors of Utica, New York (UCU), and a portion of tax parcel 319.10-1-3 located immediately east of the UCU property and owned by the City of Utica (known as Mohawk Flats). The portion of the Mohawk River included within OU2 extends from the Leland Avenue Bridge downstream approximately 1,000 yards past the eastern limit of the City of Utica property.

OU2 is bordered on the west by OU3, to the north by undeveloped wooded land on the north shore of the Mohawk River, to the south by Sewage Plant Road (or Wurz Avenue) followed by a rail-switching yard, and to the east by the Mohawk River with undeveloped wooded land on its northern and southern banks.

1.3.1.3 OU3

OU3 consists of approximately 11 acres located north, east, and southeast of OU1 (**Figure 1-3**). The OU3 boundary on the west and south is defined by property parcel boundaries. The eastern boundary of OU3 from the southern boundary to around boring SB19 is defined by a topographic elevation of 402 feet (ft) mean seal level (MSL). From the vicinity of boring SB19, the OU3 boundary was arbitrarily extended north-northeast to meet the northern boundary of OU3, which is defined by the edge of the Mohawk River.

OU3 consists of a portion of tax parcel 319.05-1-35 located east and south of OU1 owned by UCU, a portion of tax parcel 319.10-1-3 (known as Mohawk Flats) located east of OU1 owned by the City of Utica, and an access right-of-way located north of OU1 owned by the New York State Canal Corporation (“Canal Corp.”) (**Figure 1-3**).

Most of OU3 is bordered on the west by OU1, to the north by the Mohawk River, to the south by Sewage Plant Road followed by a rail-switching yard, and to the east by undeveloped property owned by UCU and the City of Utica, as well as the Mohawk River. The small strip of land comprising the northwest portion of OU3 is bordered on the north by the Mohawk River and on the south by OU1 and the City of Utica Fire Department Training Facility (former Exxon bulk storage facility).

1.3.2 Site Operational History

1.3.2.1 OU1

OU1 was historically known as Universal Waste. Universal Waste Paper and Metal Company and began operations at the Site in 1957. According to a New York State Department of Health (NYSDOH) internal memorandum, the Site was the old Utica landfill, prior to Universal Waste Paper and Metal Company purchasing the Site in 1957 (NYSDOH, 1979). However, ELGUA has not found any historical documents or records to indicate that "landfilling of waste" was performed on the property. Further, significant Site investigation activities have occurred over the 20-acre Site since 2013, including 248 soils borings on OU1 on a maximum 100-ft grid. While evidence of historical fill, no indication of subsurface landfilling was identified in any of these borings.

The Universal Waste Paper and Metal Company was founded to process scrap iron, aluminum, copper, and brass. In 1965, Utica Alloys, Inc. was incorporated to cater to regional melters of specialty alloys. In 1973, Universal Waste, Inc. replaced the former entity, Universal Waste Paper and Metal Company, to process copper, waste paper, and scrap iron. Universal Waste, Inc. exited the wastepaper business in the 1980s. In 2000, Universal Waste, Inc. ceased operations and the processing of ferrous and non-ferrous scrap; Utica Alloys continued to operate at the subject property and continued to use the name "Universal Waste" to refer to the Stainless Steel Division and the associated parcels of property. The PSA (S&W, 2000) indicates that the property was historically operated as a ferrous metal scrap recycling facility and that ferrous metal operations had ceased at the time of the PSA. Historical activities of Universal Waste included handling transformers and electrical components containing polychlorinated biphenyls (PCBs) received from Universal Waste's customers.

1.3.2.2 OU2

Both the UCU and City of Utica parcels are heavily wooded and undeveloped. However, according to the April 2019 report by Ecology and Environment Engineering and Geology, P.C. (EEEG) titled *Final Remedial Investigation Report, Universal Waste, Inc. Off-Site Study Area Operable Unit 02* ("Final OU2 RI Report"; EEEG, 2019), the UCU parcel was previously used as a construction debris landfill.

The UCU parcel drops in elevation approximately 15 ft at the boundary with the City of Utica property. The City of Utica property contains wetlands and marshes that are defined as part of the Mohawk River.

1.3.2.3 OU3

As mentioned, both the UCU and City of Utica parcels are wooded and currently undeveloped. However, according to Final OU2 RI Report (EEEG, 2019), the UCU parcel was previously used as a construction debris landfill. The Canal Corp. property is located along the northern boundary of OU1 and consists of a narrow strip of land containing an access road on the southern bank of the Mohawk River to a river control structure.

2 Remedial Investigation Summary

This section summarizes the remedial investigations (RIs) performed at the Site from 2013 through 2020.

2.1 Summary of Previous Investigations

A Limited On-Site Remedial Investigation (LOSRI) was completed for OU1 under NYSDEC AOC Index# A6-0793-12-08 dated November 16, 2012, and per the NYSDEC-modified *Limited On-Site Remedial Investigation Work Plan* (LOSRIWP) (EHS Support, 2013) and supplemental work plans required and approved by NYSDEC. Subsequently, ELGUA and NYSDEC negotiated and entered into AOC Index# A6-0850-15-03 dated October 11, 2015, which requires ELGUA to perform an RI and FS for OU1 and OU3. OU3 consists of the upland portions of the properties immediately adjacent to the north, east, and south of OU1 defined generally by a topographic land surface elevation at or above 402 ft MSL, which is similar in elevation to OU1.

Since the execution of AOC Index# A6-0850-15-03 in October 2015, an RI has been performed on OU1 per the NYSDEC-approved *Remedial Investigation Work Plan for Operable Units 1 and 3 – Revision 1* ("OU1/OU3 RIWP") (EHS Support, 2016) and *Supplemental Remedial Investigation Work Plan for Operable Units 1 and 3 – Revision 1* ("Supplemental OU1/OU3 RIWP") (EHS Support, 2020a).

In addition to the RI activities, an interim remedial measure (IRM) was performed in 2018 to remove 17 debris piles and a soil berm located on OU1 (**Figure 1-2**). The IRM was implemented in accordance with the *Interim Remedial Measure Work Plan – Revision 1* (EHS Support, 2018) and approved by NYSDEC and the United States Environmental Protection Agency (USEPA). The results of the IRM were presented in the NYSDEC-approved *Interim Remedial Measures Construction Completion Report – Revision 1* (EHS Support, 2019a).

The scope for the RIs included the following:

- Records review
- Topographic survey
- Geophysical survey
- Soil boring advancement and sampling
- Test trench/pit excavation and sampling
- Free product sampling and delineation
- Soil gas survey
- Piezometer and monitoring well installation
- Well development and hydraulic conductivity testing
- Groundwater sampling
- Storm sewer sampling

2.2 Physical Setting

This section presents a summary of the topography and land use of OU1, as well as descriptions of surface water features and wetlands, nearby public/private drinking water wells, regional and Site geology, Site hydrogeology, sanitary and storm sewers, and debris piles and berm descriptions. A discussion of the nature and extent of potential impacts, as currently understood in OU1, is also included. This summary is based on our current understanding of the general physical, geological, hydrogeological, soil quality, and groundwater quality conditions at OU1 based on data collected during the RI, review of historical Site-related documents, and United States Geological Survey (USGS) regional data.

2.2.1 Topography

The Site is located in the Mohawk River valley within the northern margin of the glaciated Appalachian Plateau province (**Figure 2-1**). The Mohawk River segment north of the Site was rerouted during the construction of the Erie Canal. In both the Mohawk River and the Erie Canal, water flow is to the east-southeast.

Surface topography in the Site region ranges from approximately 377 ft MSL to greater than 1,600 ft MSL. The Mohawk River valley in this area is characterized by marine sedimentary rocks that were deposited during the Silurian and Devonian age. The region experienced periodic glaciation, which is the source of much of the unconsolidated material deposited predominantly in the river valley (Casey and Reynolds, 1988; Olcott, 1995).

Topographic surveys of OU1 and OU3 performed as part of RI were used to create the terrain model shown on **Figure 2-2**, which includes the former debris piles and berm. A new topographic survey performed after the completion of the IRM to remove the debris piles and berm was used to update the terrain model as shown on **Figure 2-3**.

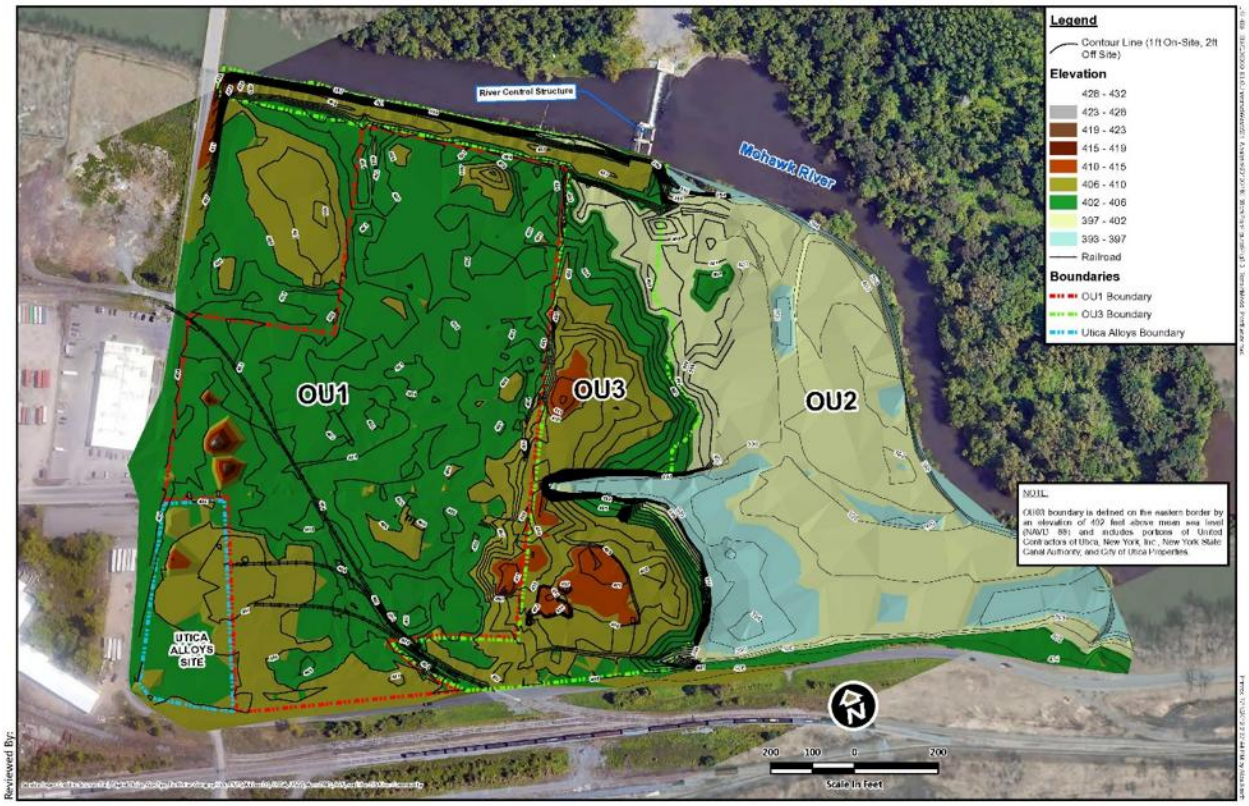


Figure 2-3 Terrain Model After Debris Pile/Berm Removal

OU1 is relatively flat and exists in a local topographic low. The elevation increases to the north and east, within OU1, and to the south toward Sewage Plant Road. As a result, potential stormwater migration pathways outside of OU1 are limited.

2.2.2 Drainage

During a rain event, stormwater is absorbed into the vegetated areas across OU1. Stormwater not absorbed tends to pool in the low areas, which are near the center of OU1 along the railroad line, until infiltration or evaporation occurs. In addition, the topographic survey prepared as part of the RI indicates that the elevation of the adjacent properties is higher than those elevations along the OU1 northern, eastern, and southern property boundaries, which would preclude stormwater runoff onto those adjacent properties.

2.2.3 Land Use

Land use descriptions and cover types within ½-mile radius of the Site are provided on **Figure 2-4** and **Figure 2-5**. OU1 is predominantly developed property with deciduous forest located in the northern portion and along the eastern boundary with OU3 along with barren land (**Figure 2-4**).

Based on the most current zoning map for the City of Utica (2021; **Figure 2-5**), land use/zoning for OU1 and its general area is designated as Industrial. According to the City of Utica's Municipal Zoning Code, adopted February 3, 2021, there are some commercial type uses allowed within the Industrial District,

but only with City of Utica Codes Department, Department of Urban and Economic Development, and/or Planning Board review.

2.2.4 Surface Water Features and Wetlands

Surface water features and wetlands identified in the National Wetlands Inventory near the Site are shown on **Figure 2-6**.

2.2.5 Public/Private Drinking Water Wells

Based on a June 2020 drinking water well survey performed by Environmental Data Resources, Inc. (EDR), the locations of public/private wells within ½-mile radius of the Site are shown on **Figure 2-7**. It should be noted that there are no public or private drinking water wells within ½-mile radius of the Site, and there are no drinking water wells located downgradient of the Site. The only wells identified within a one-mile radius of the Site were observation wells installed by the USGS New York Water Science Center. The City of Utica primarily relies on Hinckley Reservoir for its water source, rather than public wells and the Site and the areas surrounding the Site rely on the Mohawk Valley Water Authority for its drinking water supply.

2.2.6 Soil Borings and Groundwater Monitoring Wells

OU1 includes 196 soils borings. The OU1 monitoring well network consists of 45 monitoring wells, which is inclusive of 14 monitoring wells located on OU3, 10 monitoring wells located on the Utica Alloys site, and one background/upgradient monitoring well. The locations of the soil borings are provided on **Figure 2-8** and **Figure 2-9,** and the locations of the groundwater monitoring wells are provided on **Figure 1-2**.

2.2.7 Site Geology

The Site geology characterization is based on numerous soil borings advanced at the Site in October 2013, February 2014, March 2014, December 2014, and May 2015. Boring depths ranged from 2 ft below ground surface (bgs) to 97 ft bgs (deep boring ELG-1). On-site borings advanced in the LOSRI soil sampling grid (e.g., A1 to I14) were generally 10 ft deep. Monitoring wells (UW-1 to UW-7) installed in March 2014 were advanced from 14 to 16 ft bgs. Soil borings advanced in December 2014 (MW-12) and May 2015 (MW-13, MW-14, MW-15, MW-16, UW-2B, UW-3B, UW-5B, and UW-6B) ranged in depth from 40 to 51 ft bgs. MW-12 was logged from 0 to 10 ft bgs and blind drilled to bedrock (51 ft bgs). The following Site-specific geology is based on the Site characterization data collected from 2014 through 2015.

2.2.7.1 Fill

Fill material is present at all boring locations and has a thickness ranging from 2 ft at C-15 to 16 ft at UW-5. Fill material is described to contain sand, silt, or clay with varying amounts of brick, concrete, gravel, metal, glass, ash, and other man-made materials. Fill material thickness appears to be thinner in borings located on the western portion of the Site (MW-13 and MW-14) and increases in thickness to the northeast and southeast toward the Mohawk River. Fill thickness is greatest at borings UW-5 (16 ft), UW-5B (12.5 ft), and MW-15 (13 ft).

2.2.7.2 Alluvial Deposits

Alluvial deposits are observed below the fill material at depths ranging from 6 to 16 ft bgs. Alluvial deposits are observed as laterally extensive and/or discontinuous. Interbedded layers of variable sediment composition range in thickness from less than 0.5 ft to 13 ft.

The alluvial deposits consist generally of low to no strength, low-permeability, interbedded fine sand, silt, and clay with a dark brownish black color. The alluvial unit extends to about 28 to 30 ft bgs in most borings except at UW-4B and UW-5B, where the alluvial unit extends to about 37 ft bgs and 25 ft bgs, respectively. Wood, plants, or roots are noted in several of the alluvial layers.

An extensive black fine-grained silt and clay (low permeability) layer occurs immediately beneath the fill material in all borings greater than 12 ft deep, except UW-4B, where a black clayey fine sand overlies a brown and golden-brown silt and clay layer. The black fine-grained layer ranges in thickness from 3 ft (UW-2B and UW-6B) to 12 ft (MW-15B). This low permeable layer isolates groundwater above it from deeper groundwater. Below this fine-grained layer, deposits become more interbedded, variable in thickness, and contain more sand, which suggests a more-complex deposition of river sediments.

A pinkish-brown fine sand with varying amounts of fines is observed at the base of the alluvial and glacio-lacustrine sediments. This pinkish-brown fine sand is observed at borings MW-13B, MW-15B, UW-2B, and UW-3B at a depth of about 29 to 31 ft bgs. The unit is not continuous across the Site.

2.2.7.3 Glacio-Lacustrine Deposits

Underlying the upper alluvial deposits, several sediment sequences have been deposited by waters having alternating energy (e.g., flooding, river load, pro-glacial lake shoreline) and are interpreted as representing various glacio-lacustrine stages. The lack of organic matter and the presence of laminations suggest the glacio-lacustrine sequence was deposited during a different time or under slightly different depositional environments than the overlying unit. These mainly dark gray and gray coarse- and fine-grained interbedded sequences occur between 20 and 45 ft bgs. Silt is a predominant sediment throughout the sequences.

Thinner coarse-grained layers and thicker fine-grained layers are observed in borings in the western portion of the Site (MW-13B, MW-14B, and MW-15B), while the thickest layers of sand and gravel are observed in the borings (UW-4B and UW-5B) in the eastern portion of the Site and closer to the Mohawk River. Sediment layers described as predominantly sand or gravel (greater than 50 percent sand or gravel) are observed to contain silt and clay in greater than trace (greater than 5 to 10 percent) amounts (i.e., sand and gravel is not usually clean) with the exception of a sand and gravel unit at UW-4B (40 to 45 ft bgs).

A competent silt/clay layer was observed in on-site borings at a depth from 37 to 40 ft bgs at UW-2B and UW-6B; from 43 to 45 ft bgs at MW-3B; and from 45 to 50 ft bgs at MW-13B, MW-14B, MW-15B, UW-4B, and UW-5B. The competent silt/clay layer was based on field observations of fine-grained sediment strength, tightness, thickness, or amount of clay. Most on-site borings did not extend beyond the glacio-lacustrine unit.

The following three sequences of fine-grained materials are observed at deep boring ELG-1 from 40 to 57 ft bgs:

- Tan silty clay from 40 to 42 ft bgs
- Dark brownish black clayey silt from 42 to 47 ft bgs
- Tan silty clay/clayey silt from 47 to 57 ft bgs.

2.2.7.4 Outwash

Outwash sediments are observed at boring ELG-1 at two depths. The first (upper) unit occurred from 57 to 67 ft bgs. The sediment is described as a gray silty sand to clayey gravel and the unit appears to be a water-bearing unit. The second (lower) outwash unit occurred from 73.5 to 83.5 ft bgs. This unit is described as a wet, gray fine sand to clayey gravel and is also a water-bearing unit. The two units are separated by a layer of glacial till.

2.2.7.5 Glacial Till

This gray clay is observed at ELG-1 from 67 to 73.5 ft bgs. This till unit is described as hard with low moisture content. Particle analysis testing on soil sample ELG-1 (71.0-72.0) indicates that about 42 percent of the particles passing through a 200 sieve was silt/clay, 42 percent was sand, and 16 percent was gravel.

2.2.7.6 Bedrock

Shale bedrock observed at boring MW-12B at a depth of 51.2 ft bgs. At boring ELG-1, weathered shale (bedrock) occurs from 83.5 to 87 ft bgs with competent and massive shale from 87 to 97 ft bgs. The shale is interpreted as Ordovician Utica Shale. A sample of the shale (ELG-1 92.0) was tested for hydraulic conductivity to assess the transmissive properties of the rock. The hydraulic conductivity of the shale sample was 2.3×10^{-9} centimeters per second, indicating a very low ability for water movement through the material.

Regional stratigraphy, as described by Casey and Reynolds (1988), was generally encountered during the advancement of borings ELG-1 (84 ft) and MW-12 (51 ft). However, the thickness of the unconsolidated lithology at boring ELG-1 and MW-12 is less than what is observed in the deep borings installed at Utica Harbor (estimated thickness of approximately 150 ft to 250 ft) (Casey and Reynolds, 1988). Additionally, reported glacio-lacustrine deposits were described as mainly silt and clay (Casey and Reynolds, 1988), and the glacio-lacustrine deposits at the Site were observed to have more occurrences of sand and gravel.

2.2.8 Site Hydrogeology

Groundwater was encountered in the fill material (perched groundwater), fill material/alluvium deposits, and below the alluvium deposits. The following subsections describe the groundwater encountered at the Site.

2.2.8.1 Perched Groundwater

Groundwater was encountered in the fill material between 1 and 4 ft bgs in the borings installed at the Site in March 2014 and May 2015. The occurrence of perched groundwater in the upper portions of the fill material varied between March and May boring events, which suggests that the perched groundwater may be seasonally influenced.

2.2.8.2 Groundwater in the Fill/Alluvium Deposits

Groundwater was encountered in the fill material and upper alluvial sediments from 4 to 10 ft bgs. Groundwater in this unit flows in a north, northeast, and east direction from the Site toward the Mohawk River.

2.2.8.3 Deeper Groundwater

Groundwater occurs in the lower portion of the alluvium deposits, which is separated from the fill/upper alluvium sediments by an extensive black fine-grained silt and clay (low permeable sediments). This layer occurs immediately beneath the fill material. The black fine-grained silt and clay ranges in thickness from 3 ft (UW-2B and UW-6B) to 12 ft (MW-15B). This low permeable sediment isolates groundwater above this layer from deeper groundwater. Groundwater is present in many of the lower alluvium and glacio-lacustrine deposits and is more plentiful in layers containing sand and gravel.

2.2.8.4 Groundwater Flow Direction

Groundwater beneath OU1 in the fill/alluvium water-bearing zone flows in northeast and east direction. Groundwater in the deep alluvium water-bearing zone flows in generally a northeast and east directions toward the Mohawk River.

2.2.8.5 Aquifer Characteristics

Ardaman and Associates performed geotechnical testing on four undisturbed cores from ELG-1, the fill/alluvium water-bearing zone, the Confining Layer, deeper alluvium water-bearing zone, and the bedrock, to facilitate estimation of aquifer hydraulic properties and understand mechanisms controlling contaminant transport within the various subsurface units.

Each of the four undisturbed cores were analyzed for the following parameters:

- Grain-size distribution by American Standard of Testing Materials (ASTM) Method D-421/D-422
- f_{oc} by MSA Walkley Black
- Effective porosity by ASTM Method D-2325
- Moisture content by ASTM Method D-2216
- Atterberg limits by ASTM Method D-4318
- Permeability by ASTM D-5084

Aquifer tests were conducted within the fill/alluvium and deep alluvium water-bearing zones. The purpose of the aquifer tests was to evaluate the hydraulic properties in this portion of the formation (transmissivity, hydraulic conductivity, specific yield).

2.2.8.6 Fill/Alluvium Water-Bearing Zone

The estimated hydraulic properties for the fill/alluvium water-bearing zone are as follows:

- Transmissivity ranges from 259 to 510 square ft per day (ft^2/day; geometric mean of data set = 366 ft^2/day).
- Hydraulic conductivity ranges from 34 to 66 ft/day (geometric mean of data set = 48 ft/day).
- Specific yield ranges from 0.145 to 0.166 (geometric mean of data set = 0.155).

2.2.8.7 Deep Alluvium Water-Bearing Zone

The estimated hydraulic properties for the deep alluvium water-bearing zone are as follows:

- Transmissivity ranges from 16 to 117 ft^2/day (geometric mean of data set = 31 ft^2/day).
- Hydraulic conductivity ranges from 3 to 9 ft/day (geometric mean of data set = 5 ft/day).
- Specific yield ranges from 0.0014 to 0.0087 (geometric mean of data set = 0.004).

In all pump tests, conclusive evidence shows no hydraulic connectivity between the fill/alluvium and deep alluvium water-bearing zones.

2.3 Sanitary and Stormwater Sewers

An active underground storm sewer line (24-inch reinforced concrete pipe) and an inactive sanitary sewer (12-inch vitreous clay) overflow line run parallel, from west to east, under OU1 and into OU3 with the stormwater outfall leading to a "backwater" (wetlands) of the Mohawk River (**Figure 1-2**), which is a part of OU2. The lines are owned by the City of Utica and enter the Site at the intersection of Wurz and Leland Avenues. The storm sewer line transecting OU1 and entering OU3 drains a significant industrial area of Utica and is connected to the storm sewer lines on Wurz Avenue and discharges to the Mohawk River "backwater." The sanitary sewer line transecting OU1 was an overflow line previously connected to the sanitary lines on Wurz and Leland Avenues, which continue along Sewage Plant Road to the sewer treatment facility. The sanitary sewer overflow line transecting the Site allegedly discharged to a settling basin purportedly located on OU1 before discharging to the backwater area. However, the sanitary sewer overflow line was disconnected (plugged) around 1991 when the sewer lines and connections were upgraded by the New York State Department of Transportation (NYSDOT).

As part of the ongoing sewer investigation, the storm sewer has been located and surveyed as shown on **Figure 1-2**. The depth of the storm sewer line varies between 8 ft and 12 ft bgs depending upon the Site topography. The storm sewer line invert elevation at the intersection of Leland and Wurz Avenues (at Wurz Storm 1) is 395.6 ft NAVD88, and the invert elevation at the outfall is 392.79 ft NAVD88. Stormwater generally flows from west to east through the stormwater sewer line transecting the Site, from Wurz and Leland Avenues to the stormwater outfall located on OU2. However, surface water from the outfall area periodically backs up into the storm sewer line. There are two manholes located on OU1 that access the storm sewer line and are identified as Onsite Storm and Onsite Storm West on **Figure 1-2**.

Based on visual observation, it has been confirmed that the sanitary sewer overflow line is plugged with concrete at the manhole in the intersection of Leland and Wurz Avenues. A portion of the sanitary sewer line beneath OU1 has been located and surveyed as shown on **Figure 1-2**; however, a section of the sanitary sewer overflow line nor its outfall have not been located. According to historical sewer

construction drawings provided by the City of Utica, there were two manholes located on OU1 that accessed the sanitary sewer overflow line. The manhole closest to the western boundary of OU1 has been located and surveyed and is identified as San MH on **Figure 1-2**. The second manhole, located approximately 350 ft east of San MH (based on City of Utica drawings), could not be located. Utility location equipment was installed in the sanitary overflow pipe at San MH and was successfully extended within the sanitary pipe approximately 350 ft until it met with refusal. This is the approximate location of the second sanitary sewer manhole, located approximately 350 ft east of San MH (based on City of Utica drawings). Additional investigation and excavations in this area uncovered brick rubble, which are likely the remnants of the second manhole. However, no direct access to the sanitary line was found at this location. The located and surveyed portion of the sanitary sewer overflow line varies between 7 ft and 12 ft bgs depending upon the Site topography.

2.4 Nature and Extent of Contamination

This section provides a summary of the RI results.

2.4.1 Standards, Criteria, and Guidance

The analytical results from these investigations were compared with the following New York State regulatory standards, criteria, and guidance (SCG) values to determine the nature and extent of impacts at the Site. This information was also used to assess the fate and transport of constituents and to identify COCs for risk evaluation that pose a potential threat to human health and/or the environment.

2.4.1.1 Soil SCG Values

OU1 surface and subsurface soil analytical data for PCBs, metals, SVOCs, VOCs, herbicides, pesticides, and 1,4-dioxane were compared with NYSDEC's Unrestricted Use, Restricted Commercial Use, Restricted Industrial Use, Protection of Groundwater, and Protection of Ecological Resources SCOs found in 6 New York Codes, Rules, and Regulations (NYCRR) 375-6.8(a). The Unrestricted Use SCOs were used for comparison purposes only and represent the concentration of a contaminant in soil that, when achieved at a Site, will require no use restrictions on the Site for the protection of public health, groundwater, and ecological resources due to the presence of contaminants in the soil. The Industrial Use SCOs are applicable for the protection of public health at an industrial-zoned site (such as OU1). The Protection of Ecological Resources SCOs (ESCOs) are applicable where COC exposure to biota exists regardless of zoning.

Pursuant to the NYSDEC-approved *Supplemental OU1/OU3 RIWP* (EHS Support, 2020a), perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) compounds in OU1 soil were analyzed using Synthetic Precipitation Leaching Procedure (SPLP) procedures. The results were compared with their Final Ambient Water Quality Guidance Values of 6.7 nanograms per liter (ng/L) and 2.7 ng/L, respectively.

PCB concentrations in surface and subsurface soils were compared with Section V.I. of NYSDEC's *Soil Cleanup Guidance* (CP-51) dated October 21, 2010 (NYSDEC, 2010b), which replaced NYSDEC's *Technical and Administrative Guidance Memorandum* (TAGM) *4046: Determination of Soil Cleanup Objectives and Cleanup Levels* dated January 24, 1994 (NYSDEC, 1994). In the future RI Report, Site soils will also be compared with CP-51 soil cleanup levels for nuisance conditions and petroleum spills.

2.4.1.2 Groundwater SCGs

Groundwater analytical data for PCBs, metals, SVOCs, VOCs, herbicides, and pesticides were compared with Class GA groundwater quality standards (GQS) established in 6 NYCRR Part 703: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations. It is noted that comparison of groundwater data with the Class GA standard is for reference, per DER-10 Guidelines (NYSDEC, 2010a). The Class GA standard was established for the protection of fresh groundwater use as a drinking water source; however, drinking water is municipally provided and groundwater on-site is not in use or within at least ½ mile of the Site.

1,4-dioxane detected in Site groundwater was compared with NYSDEC's Final Ambient Water Quality Guidance Value of 0.35 parts per billion in raw water for human health, established on March 15, 2023PFOA and PFOS constituents detected in Site groundwater were compared with NYSDEC's Final Ambient Water Quality Guidance Values of 6.7 ng/L and 2.7 ng/L, respectively. These MCLs were established for the protection of a drinking water source; however, groundwater on-site is not in use as drinking water, and no potable wells are located within ½ mile of the Site, as discussed in **Section 5.5**.

2.4.2 Soil

Table 2-1 provides a summary of the soil sample IDs and the analyses that were performed on each soil sample collected during the LOSRI**. Figure 2-8** provides locations of soil samples collected during the LOSRI. **Table 2-2** provides a summary of the soil sample IDs and the analyses that were performed on each soil sample collected from OU1 during the OU1 RI. **Figure 2-9** provides the locations of soil samples collected during the OU1 RI.

As shown in **Table 2-1** and **Table 2-2**, surface soil and subsurface soil samples were analyzed for polychlorinated biphenyls (PCBs), Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), TCL herbicides/pesticides, Target Analyte List (TAL) metals, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS).

The surface and subsurface soil analytical results are summarized in **Table 2-3** through **Table 2-10** and shown on the figures provided in **Appendix A**. Based on the results of the RI and discussions with NYSDEC, the COCs in soil for the Site are PCBs and former Site-related metals (i.e., cadmium, chromium, copper, lead, and nickel). Metals exceeding Protection of Groundwater SCOs and ESCOs are shown on the figures provided in **Appendix B**. It should be noted that copper exceeding its ESCO is the most widespread metal and is the driver for developing remedial alternatives in later sections of this report to meet ecologically protective criteria.

2.4.3 Groundwater

Table 2-11 provides a summary of the groundwater sample IDs and the analyses that were performed on each groundwater sample during the LOSRI. **Table 2-12** provides a summary of the groundwater sample IDs and the analyses that were performed on each groundwater sample from OU1 and the Utica Alloys Site during the OU1 RI. Monitoring well locations are provided in **Figure 1-2**.

As shown in **Table 2-11** through **Table 2-12**, groundwater samples were analyzed for PCBs, TCL VOCs, TCL SVOCs, TCL herbicides/pesticides, TAL metals, 1,4-dioxane, and PFAS.

Groundwater analytical results are summarized in **Table 2-13** and shown on the figures provided in **Appendix C**. Based on the results of the RI, naturally occurring and/or historical fill-related metals, 1,4-dioxane, VOCs (predominately chlorinated ethenes), and PFAS were detected in OU1 groundwater. However, groundwater is not impacted by Site COCs in soil (i.e., cadmium, chromium, copper, lead, and nickel) and requires no further action.

2.4.4 OU1 Free Product Investigation

On July 17, 2014, water level measurements were obtained from the 13 Site monitoring wells using an oil-water interface probe. As reported to the NYSDEC on July 17, 2014, 0.88 ft of an unknown petroleum-like light non-aqueous phase liquid (LNAPL) was detected on top of the groundwater within monitoring well UW-2 during the measuring event.

An LNAPL investigation was performed and included the following activities:

- LNAPL Characterization
- LNAPL Delineation
- LNAPL Recovery Test
- LNAPL Source Investigation
  - Soil Gas Survey
  - LNAPL Source Investigation Borings

The LNAPL has been horizontally delineated in unsaturated soil as shown in **Figure 2-10**.

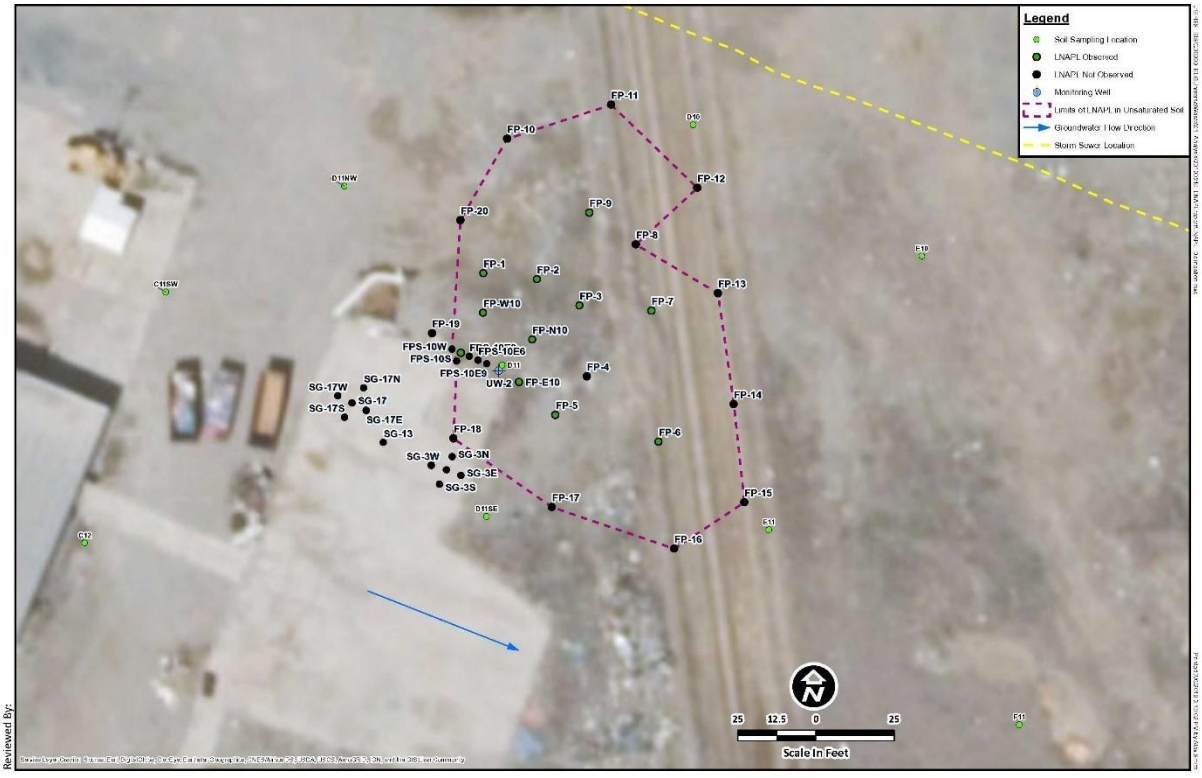


Figure 2-10 LNAPL Delineation in Unsaturated Soil

Based on the data collected during the free product investigation, the LNAPL is limited to the immediate vicinity of monitoring wells UW-2/2B, is not a PCB source area, and is no immediate threat to human health or the environment.

2.4.5 Slabs and Pits

Five concrete slabs are located on Site (**Figure 2-11**), which may need to be removed or cleaned as part of the final remedy for the Site.

ELGUA ceased operations at the Site in December 2014. As part of the facility decommissioning effort, ELGUA characterized and disposed of debris piles 18 and 19 located on the former Stainless Steel Area concrete pad located in the northwestern portion of the Site, which was historically used for metals sorting by ELGUA (**Figure 2-11**). This concrete pad was washed and requires no further remedial action. It will remain and be used for cover, where needed, as part of the applicable remedial alternative(s), along with its associated sump and pump. The remaining four concrete slabs were previously used for equipment and product storage and will be removed as part of the final remedy for the Site. Soil sampling beneath and immediately adjacent to these five concrete slabs for PCBs, metals, VOCs, SVOCs, herbicides/pesticides was performed as part of the LOSRI and are identified as samples SL1 through SL11 and VS1 through VS9. Constituents detected in these samples are reported in **Tables 2-3** through **Table 2-8** and on the soil quality figures provided in **Appendix A**.

A concrete pit exists beneath a concrete pad located in the center portion of the property as shown on **Figure 2-11**. This concrete pad was historically the location of a shear that was used during former Site operations. More recently, this concrete pad was partially covered by former Debris Pile #8, which was removed during the 2018 IRM. The size of the pit is unknown and was full of what appeared to be water at the time of inspection. As part of the final remedy for OU1, the contents of the pit will be sampled, characterized for disposal, and disposed of off-site, and the concrete pit will be removed.

2.5 Fate and Transport

This section identifies OU1 COCs, potential sources of the OU1 COCs, and potential routes of migration for OU1 COCs. For the purposes of this section, COCs are defined as those constituents that exceeded their applicable SCGs. Identifying the potential routes of migration of COCs in the subsurface is key to understanding how COCs are currently affecting potential receptors and/or how they may potentially affect such receptors in the future.

2.5.1 Constituents of Potential Concern

Table 2-14 and **Table 2-15** provide a list of all constituents detected in OU1 surface soil and subsurface soil, respectively, above their applicable SCGs and their source. **Table 2-16** provides a list of all constituents detected in OU1 groundwater above their applicable GQS and their source. Based on the RI data screening, the following COCs were identified for OU1:

- PCBs, metals, SVOCs [predominantly polycyclic aromatic hydrocarbons (PAHs)], and PFOA/PFOS in surficial soil
- VOCs (predominantly chlorinated ethenes) in subsurface soil
- Metals, 1,4-dioxane, VOCs (predominately chlorinated ethenes), and PFOA/PFOS detected in OU1 groundwater

- VOC in storm sewer

It should be noted that since the investigation of VOCs in groundwater and storm sewer are being continued under the Utica Alloys site RI, VOCs are not considered COCs for the Site and are not included in the fate and transport evaluation of COCs.

2.5.2 Potential Sources of COCs

Historical maps indicate the Mohawk River flowed directly across the Site up to approximately 1900. By 1907, the river was rerouted to its current location. These historical topographic maps show that the Site was subsequently re-graded and developed, and fill materials were put in place and remain under the Site today. The source of the fill is unknown but is likely to include soil from:

1. the excavation and construction of new river alignment completed in 1907;
2. The excavation and construction of Utica Harbor and Barge Canal, which were completed in 1918; and
3. The expansion of the New York Central and Hudson River Railroad (NYC&HRRR) railway and construction of the freight yard.

According to a NYSDOH internal memorandum, the Site was the old Utica landfill, prior to Universal Waste Paper and Metal Company purchasing the Site in 1957 (NYSDOH, 1979). However, ELGUA has not found any historical documents or records to indicate that "landfilling of waste" was performed on the property. Furthermore, significant Site investigation activities have occurred over the 20-acre Site since 2013, including 248 soils borings on OU1 on a maximum 100-ft grid. While there is evidence of historical fill, there is no indication of subsurface landfilling in any of these borings. After the property was purchased by Universal Waste Paper and Metal Company in 1957, OU1 was used for the processing of stainless steel, scrap iron, aluminum, copper, and brass and also catered to regional melters of specialty alloys. Historical activities on OU1 included handling transformers and electrical components containing PCBs received from Universal Waste's suppliers. It is believed that the transformers were dismantled to remove the copper core, resulting in the release of PCB-containing oil to the surface soil.

1,4-dioxane has historically been used as stabilizer for chlorinated solvents such as TCA. There are no documented releases of chlorinated solvents on OU1; however, TCE was used as a degreaser at the adjacent Utica Alloys site, and TCE and its daughter products present in soil and groundwater on the Utica Alloys site are currently being investigated under a separate AOC.

There are no documented sources of PFOA or PFOS on OU1; however, the source of these detections in OU1 soil and groundwater are most likely the City of Utica Fire Training facility located adjacent to and upgradient of OU1 (**Figure 1-2**) or other sources along Leland and Wurz Avenues. It should be noted that a spill record (Spill Number 2302587) was opened by NYSDEC on June 30, 2023, who is currently investigating the release of PFAS to soil and groundwater in the vicinity of the Site.

2.5.3 Potential Migration Pathways for COCs

The main mechanisms identified for transport of COCs from OU1 are as follows:

- PCB-containing transformer oil or LNAPL migrating through subsurface soil into groundwater
- SVOCs, PFOA/PFOS, and metals in soil leaching to groundwater

- Surface movement of soil particles to which COCs are bound
- Migration of COCs in groundwater
- Migration of COCs through the storm sewer line and or via the sewer line bedding material.

2.5.3.1 PCB-Containing LNAPL Migration through Subsurface Soil into Groundwater

PCBs are viscous oils (Waid, 1986) that do not flow easily and are not expected to penetrate deep into subsurface soils, absent a forcing mechanism or the presence of large openings in the soil or fill that could serve as conduits. PCBs have a strong affinity for soils and, like other hydrophobic organic contaminants, are mainly adsorbed to mineral surfaces, organic matter, clay, and active oxide surfaces (Wang et al., 2008). As such, the transport of PCBs is limited due to their low aqueous solubility, slow dissolution from LNAPL phases, and slow desorption from surfaces (Gan and Berthouex, 1994; Oliver, 1985; Badea, et al., 2014). Based on the 1,171 soil samples collected from surface and subsurface soils from OU1 and analyzed for PCBs, PCB concentrations are predominantly highest and most widespread in the upper 2 ft of soil with decreasing concentrations to below detection at or above the water table, which is approximately 6 ft bgs at the Site. There are several locations with limited exceedances of the CP-51 standard and Industrial Use SCO from 4 to 6 ft bgs east of the Utica Alloys building and up to a depth of 12 ft bgs at one boring location beneath the former Berm. However, detections of PCBs in OU1 groundwater were “estimated” results just above the GQS, and the PCBs were not detected during subsequent sampling events and are believed to be anomalous. The soil and groundwater data collected on OU1 during the RI demonstrate that LNAPL migration through subsurface soil into the groundwater beneath the Site is not occurring, and therefore this potential migration pathway is incomplete.

2.5.3.2 SVOCs, PFOA/PFOS, and Metals in Soil Leaching to Groundwater

No detections of SVOC above their respective Class GA GQS were observed in OU1 groundwater, with exception of benzo(b)fluoranthene, with a detection of 0.41 μg/L in UW-1 (04/01/2014) which exceeds its Class GA GQS of 0.002 μg/L. Therefore, the potential migration pathway for SVOCs in soil to groundwater is considered incomplete.

PFOA exceeded its Final Ambient Water Quality Guidance Value of 6.7 ng/L in four of nine surface soil samples and nine of 28 subsurface soil samples. PFOS exceeded its Final Ambient Water Quality Guidance Value of 2.7 ng/L in nine of nine surface soil samples and 28 of 28 subsurface soil samples. In addition, eight of the 11 monitoring wells analyzed for PFAS had detections of PFOS above its Final Ambient Water Quality Guidance Value of 6.7 ng/L and 10 of the 11 monitoring wells analyzed for PFAS had detections of PFOA above its Final Ambient Water Quality Guidance Value of 2.7 ng/L, including the background (upgradient) monitoring well MW-9. Therefore, the potential migration pathway of PFOS to groundwater is considered complete. However, as there are no documented sources of PFOS on the Site, the source of these detections in Site groundwater is most likely the City of Utica Fire Training facility located adjacent to and upgradient of OU1 (**Figure 1-3**) or other sources along Leland and Wurz Avenues which are currently being investigated by NYSDEC to determine the source of PFAS

Metals exceeding Protection of Groundwater SCOs are shown on the figures provided in **Appendix B**. Eighteen soil samples were analyzed for total and SPLP metals analyses to assess the leaching potential of metals in surface soil. Only aluminum, calcium, copper, iron, manganese, mercury, nickel, and zinc were detected in the soil leachate samples, and out of these eight metals, only iron and mercury were detected in the soil leachate samples above their Class GA GQS of 300 μg/L and 0.7 μg/L, respectively.

Of these two metals, only iron was detected in groundwater samples collected from OU1; however, there are currently no SCOs for iron. The soil and groundwater data collected on OU1 during the RI demonstrate that leaching of metals through subsurface soil into the groundwater beneath the Site is limited to iron, which is not considered a Site operations-related metal. Therefore, the potential migration pathway of metals to groundwater is considered incomplete.

2.5.3.3 Surface Movement of Soil Particles to which COCs are Bound

Topographic surveys of the Site performed as part of the RI were used to create the terrain model shown on **Figure 2-2**, which includes the former debris piles and berm. A new topographic survey performed after the completion of the IRM to remove the debris piles and berm was used to update the terrain model as shown on **Figure 2-3**. OU1 is relatively flat and exists in a local topographic low. The elevation increases to the north and east, within OU3, and to the south toward Sewage Plant Road. As a result, potential stormwater migration pathways outside of OU1 are limited.

During a rain event, stormwater is absorbed across OU1. Stormwater not absorbed tends to pool in the low areas, which are near the center of OU1 along the railroad line, until infiltration or evaporation occurs. The historical and current Site topography demonstrate that surface water runoff that could be generated in the impacted area of the Site is effectively controlled and does not flow off-Site. The only exception could be in the northeast corner of OU1 where the elevation decreases toward OU3. However, PCB concentrations in surface soil in the northeast corner of OU1 are slightly above the CP-51 standard, and PCB concentrations in surface soil on OU3 adjacent are below the Unrestricted Use SCO or not detected. Therefore, the surface movement of soil particles to which COCs are bound as a potential migration pathway is considered unlikely.

2.5.3.4 Migration of COCs in Groundwater

Lateral migration of certain COCs in the fill/alluvium and deeper alluvium water-bearing zones is expected via groundwater flow. Groundwater flow is considered a significant transport mechanism for COCs that are water soluble, such as SVOCs, and the emerging contaminants, 1,4-dioxane and PFAS. The potential migration pathway of PCBs, SVOCs, and metals is considered incomplete based on the following:

- Low levels of total PCBs were detected in OU1 groundwater. However, the detections were not reproducible, and PCBs are not readily soluble in groundwater.
- No SVOCs were detected in OU1 groundwater above their Class GA GQS.
- Metals are not readily soluble in groundwater, and detections in groundwater are likely the results of metals attached to suspended solids within the water column that would not move with groundwater flow.

The potential migration pathway of emerging contaminants 1,4-dioxane and PFAS is considered complete; however, the source of these analytes is most likely activities on adjacent properties. A spill record (Spill Number 2302587) was opened by NYSDEC on June 30, 2023, regarding the release of PFAS to soil and groundwater at the City of Utica Fire Training Facility. In addition, the guidance values for 1,4-dioxane, PFOA, and PFOS were established for the protection of a drinking water source; however, groundwater on-site is not in use as drinking water, and no potable wells are located within ½-mile radius of the Site, as discussed in **Section 2.5.5**.

2.5.3.5 Migration of COCs through the Sewer Lines and/or via the Sewer Lines Bedding Material

As discussed in **Section 2.4**, an extensive, multi-phased sewer investigation has been performed at the Site. Overall, the collective investigations since at least 1983 have effectively provided data to conclude that neither the storm sewer line, nor the abandoned sanitary sewer overflow line, nor their associated bedding are pathways for migration of PCBs from the Site. Specifically:

- The Sites are not connected to the storm sewer line or the sanitary overflow line that transect the Site. Rather, the Site is connected to the sanitary sewer line that runs along Leland Avenue and proceeds to the sewage treatment plant.
- PCBs were detected in Leland Avenue storm sewer water samples, which are upstream of the Site, in 2016 and 2017 and in one Wurz Avenue sample in 2016. They were not detected at these locations in subsequent sampling.
- In the onsite storm sewer water samples, PCBs were detected at elevated concentrations (5.7 μg/L and 718 μg/L total PCB Aroclors) in 2016, a finding which prompted additional investigation. This was not consistent with results from locations upstream and downstream of this location in 2016. In addition, previous and subsequent sampling did not detect PCBs at similar concentrations; the maximum detected PCB concentration in the onsite storm sewer sampling location was 1.5 μg/L.
- The concentrations of PCBs were possibly related to the concentration of total suspended solids (TSS), indicating that PCBs are adsorbed to soil or sediment in the storm sewer and not present as oils, and the higher concentrations detected in 2016 and 2017 were likely due to higher TSS concentrations in the storm sewer.
- PCBs were detected in the storm sewer outfall water at 6.8 and 11 μg/L in 2013 (estimated due to high detection limits), under non-representative conditions associated with dewatering and excavation around the outfall. However, they were not detected in the storm sewer outfall during the September 1983, February 2016, November 2016, and May 2017 historical sampling events or during the supplemental investigation from September 2019 through January 2020.
- In addition, previous sampling in the backwater near the outfall by NYSDEC detected several PCB congeners that are associated with treated wastewater (PCB 206, 208, and 209) and other sources (e.g., PCB 11).
- Based on the soil and groundwater samples collected from the OU1 piezometers, the storm sewer bedding material, if any, is not a preferential pathway for the migration of PCBs from the Site.
- Metals, SVOCs, and herbicides/pesticides were detected in the upstream storm sewer, onsite storm sewer and at the storm sewer outfall at similar concentrations throughout the storm sewer system.

Therefore, the migration of COCs through the sewer lines and/or via the sewer line bedding material is considered incomplete.

The investigation regarding the source and migration pathway for the chlorinated ethenes near the storm sewer discharge is currently being investigation under the Utica Alloys site Consent Order.

2.6 Exposure/Risk Assessment Summary

2.6.1 Human Health Exposure Assessment

The qualitative human health exposure assessment (HHEA) was performed for OU1 to identify potential receptors and potentially complete exposure pathways and environmental media of concern. The following Site-specific COCs based on previous investigations were identified: PCBs, chlorinated ethenes, petroleum hydrocarbons, PAHs, and metals.

The HHEA identified the following potential receptors who could be exposed to the above COCs in soil and groundwater:

- OU1
  - Current/Future on-site construction/industrial (C/I) worker
  - Current/Future on-site visitor
  - Future on-site resident adult and child

A current/future C/I worker and visitor as well as a future construction worker and resident may be exposed to COCs in particulates from surface soil (0 to 2 ft bgs) via the incidental ingestion, dermal, and inhalation pathways. A future construction worker may also be exposed to COCs in deeper soil (2 to 15 ft bgs) and in soil vapor while working in excavation areas. Subsurface soils (2 to 15 ft bgs) may also be brought to the surface during future redevelopment activities making them available for direct contact for a future C/I worker and resident via the incidental ingestion, dermal, and inhalation pathways. A current/future C/I worker and visitor as well as a future resident may be exposed to VOCs via the soil vapor to indoor air pathway.

OU1 groundwater vapors from volatile COCs may migrate into existing and/or future buildings. A current/future C/I worker and visitor as well as a future resident may be exposed to groundwater VOCs in indoor air via the inhalation pathway as a potentially complete pathway. Groundwater beneath the Site is not being used as a source of drinking water. There are no public or private drinking water wells within 0.5 miles of the Site and there are no drinking water wells located downgradient of the Site. Potable water is supplied to OU1 by the Mohawk Valley Water Authority (MVWA). Use of alternative water supply connections while providing service to a facility is prohibited by the MVWA. Therefore, a current C/I worker and visitor's exposure to COCs in drinking water is not a complete pathway in OU1. However, the water supply source may change (although unlikely), which means that a future C/I worker, visitor, and resident's exposure to COCs in drinking water via the ingestion, dermal contact, and inhalation (showering for a resident) routes are potentially complete pathways. In OU1, a future construction worker's exposure via incidental ingestion, dermal contact, and inhalation of vapors from groundwater from the fill/alluvium water bearing zone is a potentially complete pathway during trenching activities. Given the depth to groundwater in the deeper alluvium water bearing zone, there is no complete pathway for the construction worker for the deeper alluvium water bearing zone.

2.6.2 Potential Ecological Impact Evaluation

The Fish and Wildlife Resources Impact Analysis (FWRIA) Part 1 Resource Characterization was conducted in accordance with DER-10 (NYSDEC, 2010b) and NYSDEC Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (NYSDEC, 1994). Consistent with the guidance, the FWRIA Part 1 Resource Characterization included the following steps:

- Identify fish and wildlife resources within ½ mile of OU1.
- Describe the resources on OU1 and within ¼ mile of OU1.
- Identify constituents of potential ecological concern (COPECs).
- Identify contaminant migration pathways and fish/wildlife exposure pathways.
- Present conclusions regarding potential adverse impacts to fish and wildlife resources.

Overall, the findings of the FWRIA Part 1 Resource Characterization indicate that adverse impacts to ecological receptors within the FWRIA Part 1 Resource Characterization extent may be present as a result of exposure to COPECs in on-site soils. The findings of the FWRIA Part 1 Resource Characterization support the following conclusions:

- Within the extent of the FWRIA Part 1 Resource Characterization, there is a broad range of fish and wildlife resources; however, there are few resources on OU1 to support wildlife populations and no aquatic habitats located on OU1.
- Soil sampling of on-site soils within OU1 shows concentrations of PCBs, SVOCs, pesticides, and metals consistently exceed applicable SCGs used for COPEC screening.
- Potential adverse impacts from these COPECs in OU1 soils to soil-dwelling or soil-associated ecological receptors are therefore theoretically possible.

3 Remedial Goals and Remedial Action Objectives

Based on the results of the RI and discussions with NYSDEC, the following COCs and media are associated with former Site operations and are included for further evaluation in this FS:

- PCBs in soil
- Cadmium, chromium, copper, lead, and nickel in soil (former Site operations-related metals)

In addition, metals, SVOCs, and PFOA/PFOS in soils, which are not related to former Site operations, are considered and discussed in the following remedial alternatives development and evaluation sections. No VOCs were detected in Site soil.

VOCs in groundwater, storm sewer, and potential soil vapor are currently being investigated under the Utica Alloys site and will be addressed in the final remedy for the Utica Alloys site, where warranted. As previously discussed in Section 2.2.5, there are no public or private drinking water wells within ½-mile radius of the Site, and there are no drinking water wells located downgradient of the Site (**Figure 2-7**). The Site and the surrounding area are provided potable water from the Hinckley Reservoir by the Mohawk Valley Water Authority.

3.1 Standards, Criteria, and Guidance

An evaluation of whether a remedy will meet applicable environmental laws, regulations, standards, and guidance is required during this remedy selection process. SCGs for the Site are listed in **Tables 3-1, 3-2, and 3-3**, which list chemical-specific, action-specific, and location-specific SCGs, respectively.

3.2 Remedial Goals

Remedial goals are general, non-site specific standards, established by the State, which are used to help develop site-specific RAOs. Remedial goals have been established for remedial actions implemented under NYSDEC's Inactive Hazardous Waste Disposal Site Remedial Program and include the following:

- To eliminate or mitigate all potential threats to human health and the environment presented by COCs at the Site, to the extent feasible.
- To restore the Site, to the extent feasible.

3.3 Remedial Action Objectives

RAOs are site- and medium-specific objectives established to help meet the remedial goals described in the previous section. The RAOs are developed based on contaminant-specific SCGs to address contamination identified at a Site. The risk assessment identified the following potential exposure pathways related to former Site operations:

- Surface Soil – Exposure of outdoor maintenance workers, construction workers, and the public to contaminants through incidental ingestion and direct contact.
- Subsurface Soil – Exposure of construction workers to contaminants through incidental ingestion, direct contact, and inhalation.

To address risks associated with these potential exposures and to meet the remedial action goal for protection and/or restoration, RAOs have been developed.

RAOs were established for all contaminated media as presented below.

Soil: The ROAs for soil are:

- Public Health Protection
  - Prevent ingestion/direct contact with contaminated soil.
- Environmental Protection
  - Prevent migration of contaminants to groundwater, surface water, or sediment.
  - Prevent impacts to biota from ingestion/direct contact with soil causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

It should be noted that the potential for soil vapor intrusion will need to be considered within current buildings if occupied in the future or if new buildings are constructed onsite.

4 Identification and Screening of Remedial Technologies and Development of Remedial Alternatives

This section discusses potential remedial technologies and screens them against a series of primary screening criteria.

4.1 General Response Actions

DER-10 outlines the remedy selection process and states that feasibility studies should include evaluations of "general response actions," "remedial technology types", and "technology process options". General response actions are broad classifications of remedial technologies that describe general strategies for addressing constituents and media of interest. General response actions that will be considered for the Site include the following:

Soil

- No Further Action
- Limited Action
- Containment
- In-Situ Treatment
- Removal
- Disposal

4.2 Identification of Remedial Technologies

A selection of technologies appropriate for each COC are detailed in the following subsections. Technologies may vary depending on the COC being addressed. Descriptions of all technologies can be found in **Table 4-1**.

4.3 Preliminary Screening Criteria

Identified technologies will be screened against three criteria: effectiveness, implantability, and cost. These three criteria are defined below.

4.3.1 Effectiveness

The effectiveness criterion is used to evaluate the technology's ability to mitigate risk to human health and the environment. It combines many contributing factors including the ability to:

- Reduce toxicity, mobility, or volume of impacts.
- Minimize residual risks.
- Provide long-term protection.
- Comply with applicable regulatory requirements (**Section 3.1**).
- Minimize short term impacts.
- Provide protection within a limited duration.

A technology that does not provide adequate protection of human health and the environment may be eliminated from consideration unless it can be effective when used in combination with other remedial technologies.

4.3.2 Implementability

The implementability criteria are used to evaluate how readily the technology can be put into action at the Site. It combines the following contributing factors:

- Technical feasibility
- Administrative feasibility (permitting, access requirements, etc.)
- Proximal resource availability

A technology that is not technically feasible or administratively feasible will be eliminated. A technology that requires resources (specialists, equipment, facilities, etc.) that are not available in the region or within a reasonable timeframe may be eliminated.

4.3.3 Cost

Technologies will be compared for relative cost. Options that present an elevated cost, but do not provide enhanced effectiveness or implementability, may be excluded from further consideration.

4.4 Evaluation of Representative Remedial Technologies

4.4.1 Remedial Technologies Screening

PCB Remedial Technologies are screened in **Table 4-2** (attached)**.**

4.4.2 Results of Technologies Screening

A summary of the retained technologies following Technology Screening can be found in **Table 4-3**.

Table 4-3 Retained Technologies

General Response Action	Technology	Process Option
PCBs		
No Further Action[1]	No Action	None
Limited Action	Engineering Controls	Fencing/Signage
	Institutional Controls	Deed restriction, Soil Management Plan (SMP)
Containment	Capping	Clean Soil Cover
		Impermeable Cap
Removal	Excavation	Mechanical
Disposal	Landfill	TSCA/RCRA Subtitle C Landfill
		Subtitle D Solid Waste Landfill
Metals		
No Further Action[1]	No Action	None
Limited Action	Engineering Controls	Fencing/Signage
	Institutional Controls	Deed restriction, Soil Management Plan (SMP)

General Response Action	Technology	Process Option
Removal	Excavation	Mechanical
Disposal	Landfill	TSCA/RCRA Subtitle C Landfill
		Subtitle D Solid Waste Landfill
Light Non-Aqueous Phase Liquid		
No Further Action[1]	No Action	None
Limited Action	Engineering Controls	Fencing/Signage
	Institutional Controls	Deed restriction, Soil Management Plan (SMP)
Containment	Capping	Clean Soil Cover
		Impermeable Cap
Removal	Excavation	Mechanical
Disposal	Landfill	TSCA/RCRA Subtitle C Landfill
		Subtitle D Solid Waste Landfill

Notes:
1. No Further Action retained for comparative purposes only in accordance with DER-10.

4.5 Development of Remedial Alternatives

This section details the remedial alternatives that will be evaluated in **Section 5**. Technologies that have passed preliminary screening have been combined into six remedial alternatives, including:

- **RA–1: No Further Action**

  RA-1 is when no further action at the Site is taken. This option is not a viable RA, but it is included for comparative purposes.

- **RA-2: Removal of PCBs in Soil > 50 mg/kg (New York Hazardous Waste Limit)**

  RA-2 focuses on the removal of PCBs in soil exceeding its New York Hazardous Waste Limit and containment of Site COCs remaining after excavation exceeding their respective Industrial SCOs or ESCOs.
  - Approximately **27,500 cubic yards (CY)** of surface and subsurface soils with PCB concentrations greater than 50 mg/kg will be removed and disposed of off-site along with any collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
  - A Toxic Substances Control Act (TSCA) cap (or two-ft cover if approved by USEPA), fencing and signage will be installed where PCB concentrations greater than 25 mg/kg remain.
  - A two-ft cover will be installed where Site COCs (predominantly PCBs and metals) exceed their respective Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs.
  - Impacted slabs and/or slabs in poor condition will be demolished.
  - LNAPL-impacted soil will be removed.
  - Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Subtitle D landfill.



- Institutional controls (ICs) will be part of the final remedy, which include a deed restriction and a Soil Management Plan (SMP). Fencing and signage will be required. Potential uses include industrial activities under current Industrial Zoning.
- Routine cap/cover inspection, maintenance, and repair (as warranted) will be performed over the life of the cap/cover.
- Figures showing the limits of excavation, capping, and/or soil cover are provided in **Appendix D**.

- **RA–3: Removal of PCBs in Soil > 25 mg/kg (Industrial SCO)**

  RA-3 focuses on the removal of PCBs in soil exceeding its industrial SCO and containment of Site COCs remaining after excavation exceeding their respective Industrial Use SCOs and/or ESCOs
  - Approximately **34,700 CY** of surface and subsurface soils with PCB concentrations greater than the Industrial Use SCO of 25 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
  - A two-ft cover will be installed where COCs (predominantly PCBs and metals) exceed their respective Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs.
  - Impacted slabs and/or slabs in poor condition will be demolished.
  - LNAPL-impacted soil will be removed.
  - Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill.
  - ICs will be part of the final remedy, which include a deed restriction and a SMP. Potential uses include industrial activities under current Industrial Zoning.
  - Routine cap/cover inspection, maintenance, and repair (as warranted) will be performed over the life of the cap/cover.
  - Figures showing the limits of excavation, capping, and/or soil cover are provided in **Appendix E**.

- **RA–4: Removal of PCBs in Surface Soil (0-1 ft bgs) > 1 mg/kg and Subsurface Soil (>1 ft bgs) > 10 mg/kg (CP-51 Commercial Use SCOs)**

  RA-4 focuses on the removal of PCBs in soil exceeding the CP-51 Commercial Use criteria and containment of Site COCs remaining after excavation exceeding their respective Commercial Use SCOs and/or ESCOs.
  - Approximately **64,000 CY** of surface soils (0-1 ft bgs) with PCB concentrations greater than 1 mg/kg and subsurface soil (>1 ft bgs) with PCB concentrations greater than 10 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
  - A TSCA cap (or two-ft cover if approved by USEPA) will be installed where subsurface soils remain with PCBs concentrations greater than >1 mg/kg but less than 10 mg/kg.
  - No additional remediation is required to address metals or ecological risk as the proposed TSCA cap (or two-ft cover if approved by USEPA) will cover areas where Site COCs remain above their respective Commercial Use SCOs, Protection of Groundwater SCOs, and ESCOs.
  - Impacted slabs and/or slabs in poor condition will be demolished.



- LNAPL impacted soils will be removed.
- Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill.
- ICs will be part of the final remedy, which include a deed restriction and a SMP. Potential uses for the Site include industrial activities and select commercial activities requiring a special permit under the current Industrial Zoning.
- Routine cap/cover inspection, maintenance, and repair (as warranted) will be performed over the life of the cap/cover.
- Figures showing the limits of excavation, capping, and/or soil cover are provided in **Appendix F**.

- **RA-5: Removal of PCBs in Soil >1 mg/kg (Residential and Commercial Use SCO)**

  RA-5 focuses on the removal of PCBs in soil exceeding its Residential and Commercial Use SCO and containment of Site COCs remaining after excavation exceeding their respective Residential Use SCOs and/or ESCOs.
  - Approximately **154,000 CY** of surface and subsurface soils with PCB concentrations greater than the Residential and Commercial Use SCO of 1 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
  - No additional remediation is required to address metals or ecological risk as clean backfill material will serve as a minimum two-ft cover over any remaining COCs in soil that exceed their respective Commercial Use SCOs, Protection of Groundwater SCOs, and ESCOs.
  - Impacted slabs and/or slabs in poor condition will be demolished.
  - LNAPL-impacted soil will be removed.
  - Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill.
  - ICs will be part of the final remedy, which include a deed restriction and a SMP. Potential uses for the Site include industrial activities and select commercial activities requiring a special permit under the current Industrial Zoning. Residential activities are not allowed under the current Site zoning.
  - Figures showing the limits of excavation are provided in **Appendix G**.

- **RA–6: Removal of PCBs in Soil > 0.1 mg/kg (Unrestricted Use SCO)**

  RA-6 focuses on the removal of PCBs in soil to its Unrestricted Use SCO.
  - Approximately **227,500 CY** of surface and subsurface soils with PCB concentrations greater than the Unrestricted Use SCO of 0.1 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
  - No additional remediation is required to address other COCs or ecological risk as all COCs will be removed to below the Unrestricted Use SCOs.
  - Impacted slabs and/or slabs in poor condition will be demolished.
  - LNAPL-impacted soil will be removed.

- Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill.
- No ICs are required for this alternative. Potential use of the Site is only restricted by the City of Utica zoning ordinance which currently only allows for industrial activities and select commercial activities requiring a special permit.
- Figures showing the limits of excavation are provided in **Appendix H**.

5 Remedial Alternatives Evaluation

This section evaluates the remedial alternatives identified in **Section 4**. These remedial alternatives were evaluated with respect to the criteria specified in 6 NYCRR 375-1.8(f) and DER-10 (NYSDEC, 2010). The detailed evaluation of each remedial alternative presented in this section consists of an assessment of the following seven criteria.

- Conformance with SGCs
- Overall Protectiveness of the Public Health and the Environment
- Short-Term Impact and Effectiveness
- Long-Term Effectiveness and Permanence
- Reduction of Toxicity, Mobility, or Volume
- Implementability
- Cost Effectiveness

As indicated in 6 NYCRR Part 375-1.8(f), other criteria to be considered when evaluating potential remedial alternatives are land use and community acceptance. Land use may be considered provided there is reasonable certainty associated with such land use. The community acceptance assessment will be completed by NYSDEC after community comments on the remedy selection process are received. The results of the evaluation are typically considered when NYSDEC selects a preferred remedial alternative and are typically presented in a Responsiveness Summary completed by NYSDEC. The Responsiveness Summary is part of the Record of Decision (ROD) for the project and responds to all comments and questions raised during a public meeting associated with the remedy selection process, as well as comments received during the associated public comment period. In addition to land use and community acceptance, green and sustainable remediation (GSR) and climate resiliency considerations have been evaluated pursuant to NYSDEC policy and guidance.

5.1 Description of Evaluation Criteria

A brief description of each of the seven evaluation criteria is presented in the following subsections.

5.1.1 Compliance with SGCs

This criterion evaluates each corrective measures alternative with respect to the SGCs that were identified in **Section 3.1**. Compliance with the following types of SGCs are considered:

- Chemical-specific
- Action-specific
- Location-specific

5.1.2 Overall Protectiveness of the Public Health and the Environment

This criterion assesses the ability of each alternative or the remedy to protect public health and the environment. The assessment of overall protectiveness draws on the analysis of other criteria evaluated for each alternative (specifically short- and long-term effectiveness and compliance with SGCs). It also considers the manner in which the alternative achieves protection over time, the degree to which Site risks would be reduced, and the manner in which each source of impacts would be eliminated, reduced, or controlled.

5.1.3 Short-Term Impact and Effectiveness

This criterion is an evaluation of the potential short-term adverse environmental impacts and human exposure during the construction and/or implementation of an alternative or remedy. The potential short-term impacts to be evaluated include nuisance conditions or potential exposures resulting from increased traffic, including truck trips, detours, or loss of the use of access to property, odors, vapors, dust, habitat disturbance, run off from the Site, and noise. This evaluation will:

- Identify the potential human exposures, adverse environmental impacts, and nuisance conditions at the Site and to the surrounding community resulting from the implementation of the remedy or alternative.
- Identify how these short-term impacts will be controlled and the effectiveness of the controls.
- Provide a discussion of engineering controls that will be used to mitigate the short-term impacts (i.e., dust control measures).
- Estimate the length of time needed to implement the remedy or alternative including time to achieve the remedial objectives.

5.1.4 Long-Term Effectiveness and Permanence

This criterion is an evaluation of the long-term effectiveness and permanence of an alternative or remedy after implementation. If contamination remains on- or off-site after the selected remedy has been implemented, this evaluation will assess the impact of the remaining contamination on any of the following:

- Human exposures;
- Ecological receptors; or
- Impacts to the environment.

This evaluation will also address the adequacy and reliability of controls (if any) that would be used to manage contamination that will remain on-site; the risks remaining at the completion of the corrective measure implementation; and the ability of the alternative to meet the RAOs established for the Site.

5.1.5 Reduction of Toxicity, Mobility or Volume of Contamination

This criterion is an evaluation of the ability of an alternative or remedy to reduce the toxicity, mobility, and volume of Site contamination. Preference should be given to remedies that permanently or significantly reduce the toxicity, mobility, or volume of the contamination at the Site. The evaluation focuses on the following factors:

- The process the remedial alternative would employ and the volume of materials that would be treated.
- The anticipated ability of the remedy to reduce toxicity, mobility, or volume of impacts present in the Site media.
- The nature and quantity of residuals that would remain after corrective measures implementation.

5.1.6 Implementability

This criterion is an evaluation of the technical and administrative feasibility of implementing an alternative or remedy. Technical feasibility includes the difficulties associated with construction and the ability to monitor the effectiveness of an alternative or remedy. Administrative feasibility is evaluated, which includes:

- The availability of the necessary personnel and material; and
- Potential difficulties in obtaining specific operating approvals, access for construction, etc.

This criterion also includes the evaluation of the reliability and viability of implementation of the institutional or engineering controls necessary for a remedy.

5.1.7 Cost Effectiveness

This criterion is an evaluation of the overall cost effectiveness of an alternative or remedy. The total cost of each alternative, based on present worth analysis, represents the sum of the direct capital costs (e.g., materials, equipment, and labor), indirect capital costs (e.g., engineering, licenses or permits, and contingency allowances), and operation and maintenance (O&M) costs (e.g., operating labor, energy, sampling, and analyses). Because detailed remedial design activities have not been performed, a 20 percent contingency has been included in each alternative to account for potential changes in scope (and costs) that may be identified during the design and implementation activities. Present value costs are calculated for alternatives expected to last more than two years. In accordance with USEPA guidance, a 7 percent discount rate (before taxes and after inflation) was used to calculate present worth.

5.2 Detailed Evaluation of Remedial Alternatives

A detailed evaluation of the remedial alternatives is provided in **Table 5-1,** and an evaluation summary is provided in **Table 5-2**. Figures showing the limits of excavation, capping, and/or soil cover for each remedial alternative are provided in **Appendices D** through **H**. Detailed engineering cost estimates for each remedial alternative are provided in **Appendix I**.

5.2.1 Remedial Alternative Summary

5.2.1.1 RA–1: No Further Action

RA-1 is when no further action is taken at the Site.

5.2.1.2 RA-2: Removal of PCBs in Soil > 50 mg/kg (New York Hazardous Waste Limit)

RA-2 focuses on the removal of PCBs in soil exceeding its New York Hazardous Waste Limit and containment of Site COCs remaining after excavation exceeding their respective Industrial SCOs or ESCOs. Details of this alternative are as follows:

- Approximately **27,500 cubic yards (CY)** of surface and subsurface soils with PCB concentrations greater than 50 mg/kg will be removed and disposed of off-site along with any collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.

- A TSCA cap (or two-ft cover if approved by USEPA), fencing and signage will be installed where soil remains with PCB concentrations greater than 25 mg/kg remain.
- A two-ft cover will be installed where metals remain that exceed the Industrial Use SCOs and where other Site COCs (predominantly PCBs and metals) remain that exceed their respective ESCOs.
- Impacted slabs and/or slabs in poor condition will be demolished and disposed of off-site.
- LNAPL-impacted soil will be removed and disposed of off-site.
- Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Subtitle D landfill.
- Institutional controls (ICs) will be part of the final remedy, which include a deed restriction and a SMP. Fencing and signage will be required. Potential uses include industrial activities under current Industrial Zoning.
- Routine cap/cover inspection, maintenance, and repair (as warranted) will be performed over the life of the cap/cover.
- Figures showing the limits of excavation, capping, and/or soil cover are provided in **Appendix D**.

Contamination remaining at the Site after RA-2 implementation includes the following:

- PCB concentrations in soil greater than 25 mg/kg but less than 50 mg/kg in surface and subsurface soil **beneath a TSCA cap (or two-ft cover if approved by USEPA)**
- Site-related metals and other COCs exceeding their Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs **beneath two-ft of cover**

5.2.1.3 RA–3: Removal of PCBs in Soil > 25 mg/kg (Industrial SCO)

RA-3 focuses on the removal of PCBs in soil exceeding its industrial SCO and containment of Site COCs remaining after excavation exceeding their respective Industrial Use SCOs and/or ESCOs. Details of this alternative are as follows:

- Approximately **34,700 CY** of surface and subsurface soils with PCB concentrations greater than the Industrial Use SCO of 25 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
- A two-ft cover will be installed where metals remain at concentrations exceeding their respective Industrial Use SCOs and COCs (predominantly PCBs and metals) exceed their respective ESCOs.
- Impacted slabs and/or slabs in poor condition will be demolished and disposed of off-site.
- LNAPL-impacted soil will be removed and disposed of off-site.
- Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill.
- ICs will be part of the final remedy, which include a deed restriction and a SMP. Potential uses include industrial activities under current Industrial Zoning.
- Routine cap/cover inspection, maintenance, and repair (as warranted) will be performed over the life of the cap/cover.
- Figures showing the limits of excavation, capping, and/or soil cover are provided in **Appendix E**.

Contamination remaining at the Site after RA-3 implementation includes the following:

- PCB concentrations in soil below the Industrial Use SCO of 25 mg/kg **beneath a TSCA cap (or two-ft cover if approved by USEPA)**
- Site-related metals and other COCs exceeding their Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs **beneath TSCA cap and/or two-ft of cover**

5.2.1.4 RA–4: Removal of PCBs in Surface Soil (0-1 ft bgs) > 1 mg/kg and Subsurface Soil (>1 ft bgs) > 10 mg/kg (CP-51 Commercial Use SCOs)

RA-4 focuses on the removal of PCBs in soil exceeding the CP-51 Commercial Use criteria and containment of Site COCs remaining after excavation exceeding their respective Commercial Use SCOs and/or ESCOs. Details of this alternative are as follows:

- Approximately **64,000 CY** of surface soils (0-1 ft bgs) with PCB concentrations greater than 1 mg/kg and subsurface soil (>1 ft bgs) with PCB concentrations greater than 10 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
- A TSCA cap (or two-ft cover if approved by USEPA) will be installed where subsurface soil remains with PCBs concentrations greater than 1 mg/kg but less than 10 mg/kg.
- No additional remediation is required to address metals or ecological risk as the proposed TSCA cap (or two-ft cover if approved by USEPA) will cover areas where Site COCs may remain above their respective Commercial Use SCOs and/or ESCOs.
- Impacted slabs and/or slabs in poor condition will be demolished.
- LNAPL impacted soils will be removed and disposed of off-site.
- Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill.
- ICs will be part of the final remedy, which include a deed restriction and a SMP. Potential uses for the Site include industrial activities and select commercial activities requiring a special permit under the current Industrial Zoning.
- Figures showing the limits of excavation, capping, and/or soil cover are provided in **Appendix F**.

Contamination remaining at the Site after RA-4 implementation includes the following:

- PCB concentrations subsurface soil (greater than 1 ft bgs) above the CP-51 standard of 1 mg/kg but less than 10 mg/kg **beneath a TSCA cap (or two-ft cover if approved by USEPA)**
- Site-related metals and other COCs exceeding their Commercial Use SCOs and ESCOs **beneath TSCA cap and/or two-ft of cover**

5.2.1.5 RA-5: Removal of PCBs in Soil >1 mg/kg (Residential and Commercial Use SCO)

RA-4 focuses on the removal of PCBs in soil exceeding its Residential and Commercial Use SCO and containment of Site COCs remaining after excavation exceeding their respective Residential Use SCOs and/or ESCOs. Details of this alternative are as follows:

- Approximately **154,000 CY** of surface and subsurface soils with PCB concentrations greater than the Residential and Commercial Use SCO of 1 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
- No additional remediation is required to address metals or ecological risk.

- Impacted slabs and/or slabs in poor condition will be demolished and disposed of off-site.
- LNAPL-impacted soil will be removed and disposed of off-site.
- Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill.
- ICs will be part of the final remedy, which include a deed restriction and a SMP. Potential uses for the Site include industrial activities and select commercial activities requiring a special permit under the current Industrial Zoning. Residential activities are not allowed under the current Site zoning.
- Figures showing the limits of excavation are provided in **Appendix G**.

Contamination remaining at the Site after RA-5 implementation includes the following:

- Limited areas of metals and potentially other COCs exceeding the Residential Use SCOs and/or ESCOs **beneath two-ft of cover**.

5.2.1.6 RA–6: Removal of PCBs in Soil > 0.1 mg/kg (Unrestricted Use SCO)

RA-6 focuses on the removal of PCBs in soil to its Unrestricted Use SCO. Details of this alternative are as follows:

- Approximately **227,500 CY** of surface and subsurface soils with PCB concentrations greater than the Unrestricted Use SCO of 0.1 mg/kg will be removed and disposed of off-site along with other collocated COCs.
- No additional remediation is required to address other COCs or ecological risk as all COCs will be removed to below the Unrestricted Use SCOs.
- Impacted slabs and/or slabs in poor condition will be demolished.
- LNAPL-impacted soil will be removed and disposed of off-site.
- Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill.
- No ICs are required for this alternative. Potential use of the Site is only restricted by the City of Utica zoning ordinance which currently only allows for industrial activities and select commercial activities requiring a special permit.
- Figures showing the limits of excavation are provided in **Appendix H**.

No contaminated soil exceeding the Unrestricted Use SCOs, Protection of Groundwater SCOs, or ESCOs will remain on OU1 after implementation of RA-6.

5.2.2 Remedial Alternatives Evaluation Summary

The first two evaluation criteria are termed "threshold criteria" and must be satisfied for an alternative to be considered for selection.

5.2.2.1 Protection of Human Health and the Environment

This criterion is an overall evaluation of each alternative's ability to protect public health and the environment.

- RA-1 (No Further Action) does not provide any protection to public health and the environment and is not evaluated further.
- RA-2 and RA-3 satisfy this criterion by eliminating direct contact with the soil which exceeds the Industrial Use SCOs and ESCOs through excavation and off-site disposal, backfilling with clean fill material to existing land surface, providing a two-ft cover over soils remaining with COCs exceeding the Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs, and restricting future use of Site through a deed restriction.
- RA-4 satisfies this criterion by eliminating direct contact with the soil that exceeds the Commercial Use SCOs and ESCOs through excavation and off-site disposal, backfilling with clean fill material to existing land surface, providing a two-ft cover over soils remaining with COCs exceeding Commercial Use SCOs, Protection of Groundwater SCOs, and ESCOs, and restricting future use of the Site through a deed restriction.
- RA-5 satisfies this criterion by eliminating direct contact with the soil that exceeds the Residential Use SCOs through excavation and offsite disposal of soils, backfilling with clean fill material to existing land surface, and restricting future use of the Site through a deed restriction.
- RA-6 satisfies this criterion by eliminating direct contact with the soil that exceeds the Unrestricted Use SCOs through excavation and off-site disposal of soils and backfilling with clean fill material to existing land surface. It should be noted that the current City of Utica Zoning only allows for industrial and special-permitted commercial activities on OU1.

5.2.2.2 Compliance with New York State SCGs

Compliance with SCGs addresses whether a remedy will meet environmental laws, regulations, and other standards and criteria. In addition, this criterion includes the consideration of guidance that NYSDEC has determined to be applicable on a case-specific basis.

- Alternatives RA-2 through RA-6 satisfy this criterion by removing and/or covering the contaminated soils.

The next six “primary balancing criteria” are used to compare the positive and negative aspects of each of the remedial strategies.

5.2.2.3 Short-term Impacts and Effectiveness

The potential short-term adverse impacts of the remedial action upon the community, the workers, and the environment during the construction and/or implementation are evaluated. The length of time needed to achieve the remedial objectives is also estimated and compared to the other alternatives.

RA-2 and RA-3 both have short-term impacts that can be controlled and require the least amount of time to achieve the remedial objectives compared to alternatives RA-4, RA-5, and RA-6. The estimated time to complete the work for each alternative is:

- RA-2: 91 days
- RA-3: 101 days
- RA-4: 151 days
- RA-5: 271 days
- RA-6: 394 days

RA-4, RA-5, and RA-6 will have a greater potential impact, due to the much greater volume of traffic, noise, and potential odor releases associated with excavation of a large volume of soil. RA-5 and RA-6 would have a significant impact due to the traffic resulting from the transportation of large quantities of contaminated soil off-site and potential importation of a significant volume of soil for backfill, resulting in the increased potential for spills and releases on public road, wear and tear of public roads, and generation of greenhouse gas emissions. The estimated train/truck traffic and greenhouse gas emission associated with each alternative is provided in **Table 6-1**. The USEPA Spreadsheets for Environmental Footprint Analysis (SEFA) which were used to calculate the Greenhouse Gas Emissions provided in **Table 6-1** are included in **Appendix J**.

Table 6-1 Estimated Greenhouse Gas Emissions

Alternative	On-Site and Transportation Diesel Usage (gallons)	Truck/Train Traffic (one-way trips)	Greenhouse Gas Emissions (metric tons carbon dioxide)
RA-2	129,190	Train: 68 Truck: 5,478	2,450
RA-3	143,380	Train: 68 Truck: 6,686	2,787
RA-4	189,416	Train: 68 Truck: 10,266	3,924
RA-5	355,322	Train: 68 Truck: 24,134	7,903
RA-6	500,700	Train: 68 Truck: 36,620	11,348

5.2.2.4 Implementability

The technical and administrative feasibility of implementing each alternative was evaluated. Technical feasibility includes the difficulties associated with the construction of the remedy and the ability to monitor its effectiveness. For administrative feasibility, the availability of the necessary personnel and materials is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, institutional controls, and so forth.

RA-2 through RA-6 are readily implementable. However, RA-5 and RA-6 will necessitate increased truck traffic, noise, and dust and increased structural stress on local roads for many months and the work will likely need to be performed over in two phases over two construction seasons, significantly extending the duration of the project.

5.2.2.5 Long-Term Effectiveness and Permanence

This criterion evaluates the long-term effectiveness of the remedial alternatives after implementation. If waste or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated:

1. The magnitude of the remaining risks
2. The adequacy of the engineering and/or institutional controls intended to limit the risk
3. The reliability of these controls.

Long-term effectiveness is best accomplished by those alternatives involving excavation of the contaminated soils. All alternatives except for RA-6 involve contaminated soils remaining either under cover or cap and require long-term management and property restrictions. These controls are reliable for the contaminated soil that would remain. Institutional and engineering controls are not required for RA-6.

5.2.2.6 Reduction of Toxicity, Mobility or Volume

Preference is given to alternatives that permanently and significantly reduce the toxicity, mobility, or volume of the wastes at the Site.

Alternatives RA-2 through RA-6 will reduce the toxicity and volume of contaminants remaining through excavation and off-site disposal of the following volumes of contaminated soil:

- RA-2: 27,500 CY (35,553 tons hazardous waste)
- RA-3: 34,700 CY (35,553 tons hazardous waste and 9,570 tons nonhazardous waste)
- RA-4: 64,000 CY (35,553 tons hazardous waste and 47,228 tons nonhazardous waste)
- RA-5: 154,000 CY (35,553 tons hazardous waste and 164,291 tons nonhazardous waste)
- RA-6: 227,500 CY (35,553 tons hazardous waste and 260,204 tons nonhazardous waste)

RA-2 through RA-5 will also reduce the mobility of contaminated soils by either excavating or managing them under a cover/cap. RA-6 will achieve the greatest reduction in toxicity, mobility, and volume (227,506 CY removed) by removing all soils exceeding the Unrestricted Use SCOs.

5.2.2.7 Cost-Effectiveness

Capital costs and annual operation, maintenance, and monitoring costs were estimated for each alternative and compared on a present worth basis. Although cost-effectiveness is the last balancing criterion evaluated, where two or more alternatives have met the requirements of the other criteria, it can be used as the basis for the final decision.

The costs of the alternatives vary significantly as follows:

- RA-2: $13,300,000
- RA-3: $14,200,000
- RA-4: $21,400,000
- RA-5: $37,000,000
- RA-6: $52,200,000

RA-2 has the lowest cost, but a large volume of contaminated soil exceeding the Industrial Use SCOs will not be addressed other than by institutional and engineering controls (cover/cap). RA-3 has a lower cost than RA-4 and will remove all PCBs in soil exceeding the Industrial Use SCO of 25 mg/kg. With its large volume of soil to be handled, RA-4 has a higher present worth cost than RA-2 and RA-3 but removes a greater volume of contaminated soil from OU1. However, this greater volume of soil also increases the short-term impacts due to increased truck traffic, noise and dust and increased structural stress on local roads for many months. RA-5 and RA-6 would have the highest present worth cost with RA-5 doubling the cost of the remedy and RA-6 tripling the cost of the remedy without significant environmental

benefit and with significant short-term impacts. RA-3 will be significantly less expensive, yet it would provide equal protection as RA-4.

5.2.2.8 Land Use

When cleanup to pre-disposal conditions is determined to be infeasible, NYSDEC may consider the current, intended, and reasonably anticipated future land use of the site and its surroundings in the selection of the soil remedy.

Based on the current City of Utica Zoning Ordinance, OU1 is zoned as industrial which allows for some special-permitted commercial uses. RA-2 and RA-3 allow for industrial use only. RA-4 allows for commercial uses, RA-5 allows for residential uses, and RA-6 allows for unrestricted use of OU1. Since the anticipated future use of OU1 will remain as industrial, RA-2 and RA-3 allow for the current, intended, and reasonable anticipated future land use of OU1 while still achieving the remedial objectives. Residual contamination remaining on-site in conjunction with RA-2 and RA-3 will be controllable with implementation of a SMP and/or engineering controls (cover/cap). RA-4 through RA-6 allow for uses not allowed with the current industrial zoning of OU1.

5.2.2.9 Community Acceptance

Community Acceptance is considered a "modifying criterion" and is considered after evaluating those above. It is evaluated after public comments on the Proposed Remedial Action Plan have been received. However, it is expected that alternatives RA-3 through RA-6 will be readily acceptable to the surrounding community and stakeholders since the current and likely future zoning of OU1 is industrial.

6 Remedial Alternative Selection and Justification

ELGUA is recommending remedial alternative RA-3 for the remediation of Site-related COCs in OU1 soils because it satisfies the threshold criteria and provides the best balance of the balancing criteria. RA-3 focuses on the removal and off-site disposal of approximately **34,700 CY** of surface and subsurface soils with PCB concentrations greater than the Industrial Use SCO of 25 mg/kg and collocated COCs. A two-ft cover (consisting of one ft eight inches of clean soil and 4 inches of clean gravel) will be installed where Site-related metals and other COCs remain in soil at concentrations exceeding their respective Industrial Use SCOs, Protection of Groundwater SCOs, and/or ESCOs. A geotextile will be placed between remaining contaminated soil and clean backfill as a permanent demarcation layer and a SMP will be prepared in the case of future redevelopment or subsurface disturbances at the Site. Impacted slabs (or slabs in poor condition) will be demolished and disposed of properly either on- or off-site. LNAPL-impacted soil will be removed and disposed of off-site. Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill. ICs will be part of the final remedy, which include a deed restriction and a SMP. This alternative will achieve the remediation goals for OU1 by eliminating ingestion of and direct contact with contaminated soil above the Industrial Use SCOs and ESCOs, mitigate potential leaching of COCs to groundwater, and prevent off-site migration of contaminated soils to groundwater, surface water, and/or sediment.

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Tables

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
Grid Delineation Samples												
A6	0-2"	1	-	-	-	-	-	-	-	1134795.067	1186340.845	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
A7	0-2"	1	-	1	1	1	1	1	1	1134707.800	1186292.003	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	1	-	1	1	1	1	1	1			
A8	0-2"	1	-	-	-	-	-	-	-	1134620.538	1186243.151	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
A9	0-2"	1	-	-	-	-	-	-	-	1134533.312	1186194.235	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
A10	0-2"	1	-	-	-	-	-	-	-	1134446.067	1186145.353	Horizontal and vertical delineation of PCBs
	2"-2'	2	1	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
B6	0-2"	1	-	-	-	-	-	-	-	1134745.266	1186427.569	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			

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		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
B7	0-2"	1	-	1	1	1	1	1	1	1134657.998	1186378.727	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	1	1	1	1	1	1			
B10	0-2"	1	-	-	-	-	-	-	-	1134396.266	1186232.077	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	1	1	1	1	1				
	8'-10'	-	-	-	-	-	-	-	-			
B11	0-2"	1	-	-	-	-	-	-	-	1134309.005	1186183.224	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
B13	0-2"	1	-	1	1	1	1	1	1	1134120.106	1186105.976	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
B14	0-2"	1	-	1	1	1	1	1	1	1134026.999	1186071.877	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
BLG-1	0-2"	1	-	-	-	-	-	-	-	1134646.987	1186473.449	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

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BLG-2	0-2"	1	-	1	1	1	1	1	1	1134589.086	1186382.601	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	1	-	1	1	1	1	1	1			
BLG-3	0-2"	1	-	1	1	1	1	1	1	1134510.317	1186352.523	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	1	1	1	1	1	1			
BLG-4	0-2"	1	-	-	-	-	-	-	-	1134547.789	1186258.438	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
BLG-5	0-2"	1	-	1	1	1	1	1	-	1134458.410	1186286.341	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
C6	0-2"	1	-	-	-	-	-	-	-	1134695.464	1186514.293	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
C9	0-2"	1	-	-	-	-	-	-	-	1134433.685	1186367.667	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
C10	0-2"	1	-	-	-	-	-	-	-	1134346.796	1186318.861	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
C11-SW	0-2"	1	-	-	-	-	-	-	-	1134235.440	1186250.700	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	2	1	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
C12	0-2"	1	-	-	-	-	-	-	-	1134155.385	1186224.830	Horizontal and vertical delineation of PCBs
	2"-2'	2	1	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
C13	0-2"	1	-	1	1	1	1	1	1	1134085.081	1186163.652	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
C14	0-2"	1	-	1	1	1	1	1	1	1133997.419	1186123.387	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
C15	0-2"	1	-	1	1	1	1	1	1	1133912.453	1186057.009	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1		1	1	1	1	1	1			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
D1	0-2"	1	-	-	-	-	-	-	-	1135074.283	1186859.788	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
D2	0-2"	1	-	-	-	-	-	-	-	1134989.385	1186807.202	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
D3	0-2"	1	-	-	-	-	-	-	-	1134902.965	1186756.457	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
D4	0-2"	1	-	-	-	-	-	-	-	1134817.635	1186705.569	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
D5	0-2"	1	-	-	-	-	-	-	-	1134730.852	1186653.814	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
D6	0-2"	1	-	1	1	1	1	1		1134645.663	1186601.017	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1				
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
D7	0-2"	1	-	1	1	1	1	1		1134558.395	1186552.175	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1				
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
D8-NE	0-2"	1	-	-	-	-	-	-	-	1134516.250	1186518.280	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
D9	0-2"	1	-	-	-	-	-	-	-	1134383.909	1186454.404	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
D10	0-2"	1	-	-	-	-	-	-	-	1134288.784	1186419.244	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
D11	0-2"	2	1	-	-	-	-	-	-	1134212.164	1186358.217	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
D11-SE	0-2"	1	-	-	-	-	-	-	-	1134163.836	1186353.205	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
D11-NW	0-2"	1	-	-	-	-	-	-	-	1134269.210	1186307.750	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
D13	0-2"	-	-	-	-	-	-	1	-	1134034.854	1186258.950	Horizontal and vertical delineation of PCBs
	2"-2'	-	-	-	-	-	-	1	-			
	2'-4'	-	-	-	-	-	-	1	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	1	-			
	8'-10'	-	-	-	-	-	-	1	-			
D14-NW	0-2"	1	-	1	1	1	1	1	1	1133991.930	1186200.384	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	2	1	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
D14-SE	0-2"	1	-	1	1	1	1	1	1	1133913.455	1186212.576	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	1	1	1	1	1	1			
	8'-10'	-	-	-	-	-	-	-	-			
D15	0-2"	2	1	1	1	1	1	1	1	1133871.569	1186167.534	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E1	0-2"	1	-	-	-	-	-	-	-	1135031.617	1186932.332	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-8.5'	-	-					1				
	8'-10'	1	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
E2	0-2"	1	-	1	1	1	1	1	1	1134945.045	1186883.823	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E3	0-2"	1	-	-	-	-	-	-	-	1134857.839	1186834.871	Horizontal and vertical delineation of PCBs
	18"-20"	-	-	-	-	-	-	1	-			
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E4	0-2"	1	-	-	-	-	-	-	-	1134770.663	1186785.867	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E5	0-2"	1	-	-	-	-	-	-	-	1134683.706	1186736.697	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E6	0-2"	1	-	1	1	1	1	1	1	1134595.874	1186687.748	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	1	1	1	1	1	1			
	8'-10'	-	-	-	-	-	-	-	-			
E7	0-2"	1	-	-	-	-	-	-	-	1134518.904	1186620.945	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
E8	0-2"	1	-	1	1	1	1	1	1	1134421.334	1186590.043	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E9	0-2"	1	-	1	1	1	1	1	1	1134334.108	1186541.127	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	1	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E10	0-2"	1	-	1	1	1	1	1	1	1134246.862	1186492.248	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E11	0-2"	1	-	-	-	-	-	-	-	1186492.248	1186443.395	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
E12	0-2"	1	-	-	-	-	-	-	-	1134072.314	1186394.527	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	2	1	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E13	0-2"	1	-	-	-	-	-	-	-	1133985.078	1186345.688	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
E14	0-2"	1	-	-	-	-	-	-	-	1133897.817	1186296.834	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E14-SE	0-2"	1	-	-	-	-	-	-	-	1133866.433	1186319.601	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
E15	0-2"	1	-	-	-	-	-	-	-	1133841.114	1186265.089	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
ELG-1	0-2"	1	-	1	1	1	1	1	1	1134463.640	1185831.040	Assess background concentrations of COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	1	1	1	1	1	1			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	1	-	1	1	1	1	1	1			
	8'-10'	1	-	1	1	1	1	1	1			
F1	0-2"	1	-	-	-	-	-	-	-	1134973.605	1187014.624	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
F2	0-2"	1	-	-	-	-	-	-	-	1134895.156	1186970.496	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
F3	0-2"	1	-	-	-	-	-	-	-	1134807.913	1186921.522	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	18"-20"	-	-	-	-	-	-	1	1			
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
F4	0-2"	1	-	-	-	-	-	-	-	1134720.506	1186872.389	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
F5	0-2"	1	-	-	-	-	-	-	-	1134633.573	1186823.579	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
F6	0-2"	1	-	1	1	1	1	1	1	1134546.070	1186774.470	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
F7	0-2"	1	-	1	1	1	1	1	1	1134458.792	1186725.622	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
F8	0-2"	1	-	1	1	1	1	1	1	1134364.996	1186688.149	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	-	-	-	1	1	1			
	2'-2.5'	-	-	-	-	-	-	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
F9	0-2"	1	-	1	1	1	1	1	1	1134284.307	1186627.851	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	1	1	1	1	1	1			
	8'-10'	-	-	-	-	-	-	-	-			
F10	0-2"	1	-	1	1	1	1	1	1	1134197.060	1186578.972	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
F11	0-2"	1	-	-	-	-	-	-	-	1134097.449	1186523.361	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
F12	0-2"	1	-	-	-	-	-	-	-	1134022.538	1186481.265	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
F13	0-2"	1	-	-	-	-	-	-	-	1133935.276	1186432.412	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
F14	0-2"	1	-	-	-	-	-	-	-	1133848.015	1186383.558	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
G1	0-2"	1	-	-	-	-	-	-	-	1134916.448	1187097.068	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
G2	0-2"	1	-	1	1	1	1	1	1	1134845.266	1187057.169	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	2	1	1	1	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
G3	0-2"	1	-	1	1	1	1	1	1	1134758.061	1187008.216	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
G4	0-2"	1	-	-	-	-	-	-	-	1134670.885	1186959.212	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
G5	0-2"	1	-	-	-	-	-	-	-	1134583.684	1186910.252	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
G6	0-2"	1	-	-	-	-	-	-	-	1134496.259	1186861.189	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
G7	0-2"	1	-	1	1	1	1	1	1	1134408.991	1186812.346	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	1	1			
	8'-10'	-	-	-	-	-	-	-	-			
G8	0-2"	1	-	1	1	1	1	1	1	1134321.732	1186763.489	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	1	1	1	1	1	1			
	8'-10'	-	-	-	-	-	-	-	-			
G9	0-2"	1	-	1	1	1	1	1	1	1134234.506	1186714.574	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
G10	0-2"	1	-	-	-	-	-	-	-	1134147.259	1186665.696	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
G11	0-2"	1	-	-	-	-	-	-	-	1134059.998	1186616.842	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
G12	0-2"	1	-	1	1	1	1	1	1	1133959.019	1186563.787	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
G13	0-2"	1	-	1	1	1	1	1	1	1133902.155	1186528.474	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
G14	0-2"	1	-	-	-	-	-	-	-	1133839.728	1186472.035	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H1	0-2"	1	-	-	-	-	-	-	-	1134858.520	1187179.761	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1		1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H2	0-2"	1	-	1	1	1	1	1	1	1134795.289	1187143.995	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H3	0-2"	1	-	1	1	1	1	1	1	1134708.172	1187094.889	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	11	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H4	0-2"	1	-	-	-	-	-	-	-	1134621.884	1187046.383	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
H5	0-2"	1	-	-	-	-	-	-	-	1134533.795	1186996.925	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H6	0-2"	2	1	-	-	-	-	-	-	1134446.460	1186947.914	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H7	0-2"	1	-	1	1	1	1	1	1	1134359.189	1186899.070	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H8	0-2"	2	1	1	1	1	1	1	1	1134271.931	1186850.212	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H9	0-2"	-	-	-	-	-	-	-	-	1134184.458	1186801.183	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H10	0-2"	1	-	1	1	1	1	1	1	1134097.457	1186752.419	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	1	1	1	1	1	1			
	8'-10'	-	-	-	-	-	-	-	-			

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LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
H11	0-2"	1	-	-	-	-	-	-	-	1134010.196	1186703.566	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H12	0-2"	1	-	-	-	-	-	-	-	1133922.935	1186654.713	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
H13	0-2"	1	-	1	1	1	1	1	1	1133864.273	1186621.870	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	1	1	1	1	1	1			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
I1	0-2"	1	-	-	-	-	-	-	-	1134800.640	1187261.391	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
I2	0-2"	1	-	-	-	-	-	-	-	1134745.488	1187230.516	Horizontal and vertical delineation of PCBs
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
I3	0-2"	1	-	-	-	-	-	-	-	1134658.283	1187181.561	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
I4	0-2"	1	-	-	-	-	-	-	-	1134571.108	1187132.557	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
I5	0-2"	1	-	-	-	-	-	-	-	1134483.905	1187083.599	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
I6	0-2"	1	-	-	-	-	-	-	-	1134396.656	1187034.636	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
I7	0-2"	1	-	1	1	1	1	1	1	1134309.388	1186985.794	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	1			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
I8	0-2"	1	-	1	1	1	1	1	1	1134222.104	1186936.921	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1		1	1	1	1	1	1			
	8'-10'	-	-	-	-	-	-	-	-			
I9	0-2"	1	-	1	1	1	1	1	1	1134134.432	1186887.755	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	1	1	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	2	1	-	-	-	-	1	1			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
I10	0-2"	1	-	1	1	1	1	1	1	1134047.957	1186839.311	Horizontal and vertical delineation of PCBs Assess presence/absence of Site COPCs
	2"-2'	1	-	1	1	1	1	1	1			
	2'-4'	2	1	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	1	1	1	1	1	1			
	8'-10'	-	-	-	-	-	-	-	-			
I11	0-2"	1	-	-	-	-	-	-	-	1133960.395	1186790.290	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
I12	0-2"	1	-	-	-	-	-	-	-	1133873.134	1186741.436	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
I13	0-2"	1	-	-	-	-	-	-	-	1133821.356	1186712.448	Horizontal and vertical delineation of PCBs
	2"-2'	1	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
Free Product Investigation Samples												
FP-E10	2"-2'	1	-	-	-	-	-	-	-	1134206.75	1186363.57	Free product delineation
	6.5'-6.8'	1	-	-	-	-	-	-	-			
FP-N10	2"-2'	1	-	-	-	-	-	-	-	1134220.32	1186367.77	Free product delineation
	5.3'-7'	1	-	-	-	-	-	-	-			
	7'-8.8'	1	-	-	-	-	-	-	-			
FP-S10	2"-2'	1	-	-	-	-	-	-	-	1134216.1	1186344.94	Free product delineation
	2'-2.8'	1	-	-	-	-	-	-	-			
	7'-9'	1	-	-	-	-	-	-	-			
	9'-11'	1	-	-	-	-	-	-	-			
FP-W10	2"-2'	1	-	-	-	-	-	-	-	1134228.78	1186352.09	Free product delineation
	5.1'-5.7'	1	-	-	-	-	-	-	-			
	7.23'-7.63'	1	-	-	-	-	-	-	-			

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LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
FP-1	0-2"	1	-	-	-	-	-	-	-	1134241.42	1186352.19	Free product delineation
	2"-2'	1	-	-	-	-	-	-	-			
	2'-2.4'	1	-	-	-	-	-	-	-			
FP-2	0-2"	1	-	-	-	-	-	-	-	1134239.53	1186369.27	Free product delineation
	2"-1.7'	1	-	-	-	-	-	-	-			
FP-3	0-2"	1	-	-	-	-	-	-	-	1134231.17	1186382.87	Free product delineation
	2"-2'	1	-	-	-	-	-	-	-			
	2'-2.4'	1	-	-	-	-	-	-	-			
FP-4	0-2"	1	-	-	-	-	-	-	-	1134208.58	1186385.21	Free product delineation
	2"-1.4'	1	-	-	-	-	-	-	-			
FP-5	0-2"	1	-	-	-	-	-	-	-	1134196.27	1186375.19	Free product delineation
	2"-2'	1	-	-	-	-	-	-	-			
	2'-3.3'	1	-	-	-	-	-	-	-			
FP-6	0-2"	1	-	-	-	-	-	-	-	1134187.65	1186408.18	Free product delineation
	2"-2'	1	-	-	-	-	-	-	-			
	2'-2.6'	2	-	-	-	-	-	-	-			
FP-7	0-2"	1	-	-	-	-	-	-	-	1134229.51	1186405.84	Free product delineation
	2"-2'	1	-	-	-	-	-	-	-			
	2'-2.3'	1	-	-	-	-	-	-	-			
FP-8	0-2"	1	-	-	-	-	-	-	-	1134250.6	1186400.9	Free product delineation
	2"-2'	1	-	-	-	-	-	-	-			
	2'-2.4'	1	-	-	-	-	-	-	-			
FP-9	0-2"	1	-	-	-	-	-	-	-	1134260.81	1186386.01	Free product delineation
	2"-2'	1	-	-	-	-	-	-	-			
	2'-3.3'	1	-	-	-	-	-	-	-			
FP-10	0-2"	1	-	-	-	-	-	-	-	1134284.3	1186359.71	Free product delineation
	2"-2'	1	-	-	-	-	-	-	-			
	2'-2.2'	1	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
Berm Investigation Samples												
BM-1	0-2"	-	-	-	-	-	-	-	-	1134249.970	1186908.800	Assess PCB concentrations beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
	10'-12'	1	-	-	-	-	-	-	-			
BM-2	0-2"	-	-	-	-	-	-	-	-	1134208.120	1186870.850	Assess PCB concentrations beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
BM-3	0-2"	-	-	-	-	-	-	-	-	1134229.330	1186828.530	Assess PCBs beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
BM-4	0-2"	-	-	-	-	-	-	-	-	1134244.520	1186781.400	Assess PCBs beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
BM-5	0-2"	-	-	-	-	-	-	-	-	1134223.870	1186743.440	Assess PCBs beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	29"-32"	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
BM-6	0-2"	-	-	-	-	-	-	-	-	1134186.500	1186718.530	Assess PCBs beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
	10'-12'	1	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
BM-7	0-2"	-	-	-	-	-	-	-	-	1134149.260	1186747.180	Assess PCBs beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
BM-8	0-2"	-	-	-	-	-	-	-	-	1134118.870	1186771.050	Assess PCBs beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	1	-	-	-	-	-	-	-			
	8'-10'	1	-	-	-	-	-	-	-			
	10'-12'	1	-	-	-	-	-	-	-			
BM-9	0-2"	-	-	-	-	-	-	-	-	1134092.420	1186821.070	Assess PCBs beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	58"-62"	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
BM-10	0-2"	-	-	-	-	-	-	-	-	1134046.170	1186829.420	Assess PCBs beneath the Berm perimeter
	2"-2'	-	-	-	-	-	-	-	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
Discrete Soil Samples from Piezometer Locations												
PZ-4	9.2'-11.2'	1	-	1	1	1	1	1	-	1134337.80	1186361.24	Assess sewer bedding material
PZ-5	10.3'-12.3'	1	-	1	1	1	1	1	-	1134302.95	1186449.35	
PZ-6	11'-13'	1	-	1	1	1	1	1	-	1134266.00	1186542.27	
PZ-7	11.1'-13.1'	1	-	1	1	1	1	1	-	1134229.53	1186634.28	
PZ-10	17'-19'	1	-	1	1	1	1	1	-	1134116.66	1186908.57	

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LOSRI Soil Sample and Analyses Summary
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Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
Beneath Concrete Slab Samples												
SL1	0-2"	-	-	-	-	-	-	-	-	1134571.079	1186300.688	Assess presence/absence of COPCs beneath Site concrete slabs
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
SL2	0-2"	-	-	-	-	-	-	-	-	1134528.468	1186440.599	Assess presence/absence of COPCs beneath Site concrete slabs
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	1	-	-	-	-	-	1	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	1	-	1	1	1	1	1	-			
	8'-10'	-	-	-	-	-	-	-	-			
SL3	0-2"	-	-	-	-	-	-	-	-	1134498.214	1186315.580	Assess presence/absence of COPCs beneath Site concrete slabs
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
SL4	0-2"	-	-	-	-	-	-	-	-	1134181.632	1186631.907	Assess presence/absence of COPCs beneath Site concrete slabs
	2"-2'	1	-	-	-	-	-	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	1	1	1	1	1				
	8'-10'	-	-	-	-	-	-	-	-			
SL5	0-2"	-	-	-	-	-	-	-	-	1134258.235	1186203.883	Assess presence/absence of COPCs beneath Site concrete slabs
	2"-2'	1						1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
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Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
SL6	0-2"	-	-	-	-	-	-	-	-	1134133.298	1186344.952	Assess presence/absence of COPCs beneath Site concrete slabs
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	1	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
SL7	0-2"	-	-	-	-	-	-	-	-	1134181.895	1186317.445	Assess presence/absence of COPCs beneath Site concrete slabs
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	1	-	1	1	1	1	1	-			
	8'-10'	-	-	-	-	-	-	-	-			
SL8	0-2"	-	-	-	-	-	-	-	-	1134240.617	1186143.123	Assess presence/absence of COPCs beneath Site concrete slabs
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
SL11	0-2"	-	-	-	-	-	-	-	-	1134477.573	1186269.592	Assess presence/absence of COPCs beneath Site concrete slabs
	2"-2'	1	-	-	-	-	-	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	1	-	-	-	-	-	1	-			
	8'-10'	-	-	-	-	-	-	-	-			

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LOSRI Soil Sample and Analyses Summary
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Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
Visual Staining Investigation Samples												
VS1	0-2"	1	-	1	1	1	1	1	-	1134674.464	1186293.444	Assess presence/absence of COPCs at areas with visual surface soil staining
	2"-2'	1	-	-	-	-	-	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
VS2	0-2"	1	-	1	1	1	1	1	-	1134608.252	1186254.417	Assess presence/absence of COPCs at areas with visual surface soil staining
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	1	1	1	1	1	-			
	6'-8'	1	-	1	1	1	1	1	-			
	8'-10'	-	-	-	-	-	-	-	-			
VS3	0-2"	1	-	1	1	1	1	1	-	1134495.129	1186221.503	Assess presence/absence of COPCs at areas with visual surface soil staining
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	1	-	-	-	-	-	1	-			
	8'-10'	-	-	-	-	-	-	-	-			
VS4	0-2"	1	-	1	1	1	1	1	-	1134447.477	1186295.781	Assess presence/absence of COPCs at areas with visual surface soil staining
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
VS5	0-2"	1	-	1	1	1	1	1	-	1134535.252	1186504.564	Assess presence/absence of COPCs at areas with visual surface soil staining
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	1	-	-	-	-	-	1	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	1	-	1	1	1	1	1	-			
	8'-10'	-	-	-	-	-	-	-	-			
VS6	0-2"	1	-	1	1	1	1	1	-	1134154.114	1186643.008	Assess presence/absence of COPCs at areas with visual surface soil staining
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	1	-	-	-	-	-	1	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	1	-	1	1	1	1	1	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
VS7	0-2"	1	-	1	1	1	1	1	-	1134087.111	1186319.475	Assess presence/absence of COPCs at areas with visual surface soil staining
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	-	-	-	-	-	-	-	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
VS8	0-2"	1	-	1	1	1	1	1	-	1134526.941	1186395.082	Assess presence/absence of COPCs at areas with visual surface soil staining
	2"-2'	1	-	1	1	1	1	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	1				
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			
VS9	0-2"	1	-	1	1	1	1	1	-	1134105.023	1186549.667	Assess presence/absence of COPCs at areas with visual surface soil staining
	2"-2'	1	-	-	-	-	-	1	-			
	2'-4'	-	-	-	-	-	-	-	-			
	4'-6'	1	-	-	-	-	-	1	-			
	6'-8'	-	-	-	-	-	-	-	-			
	8'-10'	-	-	-	-	-	-	-	-			

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
Non-Sewer Related Trench Investigation Samples												
FP-01	None	-	-	1	1	1	1	1	-	1134214.01	1186359.61	Soil characterization
TRENCH1-01	3.5'	1	-	1	1	1	1	1	-	1134502.58	1186520.78	Assess presence/absence of buried materials in subsurface
TRENCH1-02	3.5'	1	-	-	-	-	-	-	-	1134539.73	1186513.32	
TRENCH1-03	4'	1	-	-	-	-	-	-	-	1134559.44	1186512.54	
TRENCH2-01	6.5'	1	-	1	1	1	1	1	-	1134073.9	1186692.59	
TRENCH2-02	6.5'	1	-	-	-	-	-	-	-	1134093.39	1186687.15	
TRENCH2-03	5'	1	-	-	-	-	-	-	-	1134112.36	1186678.28	
TRENCH3-01	5'	1	-	-	-	-	-	-	-	1133964.64	1186671.3	
TRENCH3-02	5'	1	-	-	-	-	-	-	-	1133951.09	1186664.55	
TRENCH3-03	5'	1	-	1	1	1	1	1	-	1133934.39	1186658.82	
TRENCH3-04	6'	1	-	-	-	-	-	-	-	1134042.82	1186665.6	
TRENCH4-01	5'	1	-	-	-	-	-	-	-	1134048.23	1186647.52	
TRENCH4-02	4'	1	-	-	-	-	-	-	-	1134059.5	1186627.43	
TRENCH4-03	5'	1	-	1	1	1	1	1	-	1134084.13	1186181	
TRENCH4-04	4'	1	-	-	-	-	-	-	-	1134073.87	1186193.94	
TRENCH4-05	6'	1	-	-	-	-	-	-	-	1134042.49	1186235.64	
TRENCH5-01	5'	1	-	-	-	-	-	-	-	1134111.54	1186217.4	
TRENCH5-02	5'	1	-	1	1	1	1	1	-	1134094.7	1186214.89	
TRENCH6-01	5'	1	-	-	-	-	-	-	-	1134065.67	1186223.65	
TRENCH6-02	5'	1	-	1	1	1	1	1	-	1134052.83	1186220.2	
TRENCH7-01	11'	1	-	-	-	-	-	-	-	1134031.04	1186203.67	
TRENCH7-02	11'	1	-	1	1	1	1	1	-	1134127.82	1186239.06	
TRENCH7-03	11'	1	-	-	-	-	-	-	-	1134107.78	1186244.47	
TRENCH7-04	11'	1	-	-	-	-	-	-	-	1134073.91	1186692.6	
TRENCH7-05	11'	1	-	-	-	-	-	-	-	1134093.4	1186687.16	
TRENCH8-01	5'	1	-	-	-	-	-	-	-	1134073.9	1186692.59	
TRENCH8-02	6'	1	-	-	-	-	-	-	-	1134093.39	1186687.15	

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
TRENCH8-03	5'	1	-	1	1	1	1	1	-	1134112.36	1186678.28	Assess presence/absence of buried materials in subsurface
TRENCH8-04	5'	1	-	-	-	-	-	-	-	1134130.8	1186673.14	
TRENCH9-01	5'	1	-	1	1	1	1	1	-	1133964.64	1186671.3	
TRENCH9-02	6'	1	-	-	-	-	-	-	-	1133951.09	1186664.55	
TRENCH9-03	6'	1	-	-	-	-	-	-	-	1133934.39	1186658.82	
TRENCH10-01	6'	1	-	1	1	1	1	1	-	1134311.89	1186689.13	
TRENCH10-02	5'	1	-	-	-	-	-	-	-	1134317.42	1186674.42	
TRENCH10-03	5'	1	-	-	-	-	-	-	-	1134333.63	1186636.5	
TRENCH10-04	4'	1	-	-	-	-	-	-	-	1134337.01	1186617.66	
TRENCH11-01	6'	1	-	1	1	1	1	1	-	1134269.53	1186643.83	
TRENCH11-02	5.5'	1	-	-	-	-	-	-	-	1134281.86	1186627.69	
TRENCH11-03	5'	1	-	-	-	-	-	-	-	1134293.13	1186606.95	
TRENCH 11-04	4'	1	-	-	-	-	-	-	-	1134301.51	1186592.24	
TRENCH12-01	6'	1	-	-	-	-	-	-	-	1134132.23	1186653.51	
TRENCH12-02	5.5'	1	-	-	-	-	-	-	-	1134113.63	1186645.07	
TRENCH12-03	6.5'	1	-	-	-	-	-	-	-	1134096.3	1186634.97	
TRENCH12-04	6'	1	-	1	1	1	1	1	-	1134081.6	1186628.51	
TRENCH13-01	5.5'	1	-	-	-	-	-	-	-	1134054.97	1186691.51	
TRENCH13-02	5.5'	1	-	-	-	-	-	-	-	1134073.89	1186692.58	
TRENCH13-03	5'	1	-	-	-	-	-	-	-	1134093.38	1186687.14	
TRENCH13-04	4.5'	1	-	-	-	-	-	-	-	1134112.35	1186678.27	
TRENCH13-05	5'	1	-	1	1	1	1	1	-	1134130.79	1186673.13	
TRENCH14-01	6'	1	-	-	-	-	-	-	-	1133964.63	1186671.2	
TRENCH14-02	5'	1	-	-	-	-	-	-	-	1133951.08	1186664.54	
TRENCH14-03	5'	1	-	1	1	1	1	1	-	1133934.38	1186658.81	
TRENCH15-01	5'	1	-	-	-	-	-	-	-	1134042.81	1186665.5	
TRENCH15-02	5'	1	-	-	-	-	-	-	-	1134048.22	1186647.51	
TRENCH15-03	5'	1	-	1	1	1	1	1	-	1134059.4	1186627.42	
TRENCH16-01	5'	1	-	1	1	1	1	1	-	1134084.12	1186180	
TRENCH16-02	5.5'	1	-	-	-	-	-	-	-	1134073.86	1186193.93	
TRENCH16-03	4.5'	1	-	-	-	-	-	-	-	1134042.48	1186235.63	
TRENCH17-01	14.5'	1	-	-	-	-	-	-	-	1134111.53	1186217.39	
TRENCH17-02	8.5'	1	-	-	-	-	-	-	-	1134094.6	1186214.88	
TRENCH17-03	8.5'	1	-	-	-	-	-	-	-	1134065.66	1186223.64	
TRENCH17-04	5.5'	1	-	-	-	-	-	-	-	1134052.82	1186220.19	
TRENCH17-05	5.5'	1	-	1	1	1	1	1	-	1134031.03	1186203.66	
TRENCH18-01	6.5'	1	-	-	-	-	-	-	-	1134127.81	1186239.05	
TRENCH18-02	6.5'	1	-	1	1	1	1	1	-	1134107.77	1186244.46	
TRENCH20-01	5'	1	-	1	1	1	1	1	-	1134130.8	1186673.14	
IT-01(5 FT)	5'	1	-	1	1	1	1	1	-	1134297.68	1186946.8	
IT-02(4 FT)	4'	1	-	-	-	-	-	-	-	1134317.05	1186968.23	

Table 2-1
LOSRI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Sample ID	Depth	Analytical Analyses								Location		Rationale
		[1]Aroclors	[2]Congeners	[3]Herbicides	[4]Metals	[5]Pesticides	[6]SVOCs	[7]VOCs	[8]1,4-D	Northing	Easting	
Berm Perimeter Trench Samples												
BPT-01	10'	1	-	-	-	-	-	-	-	1134022.57	1186806.89	Assess presence/absence of buried materials in subsurface around the perimeter of the Berm
BPT-02	8.5'	1	-	-	-	-	-	-	-	1134082.63	1186815.37	
BPT-03	6'	1	-	1	1	1	1	1	-	1134104.02	1186758.05	
BPT-04	6'	1	-	-	-	-	-	-	-	1134143.84	1186728.99	
BPT-05	6'	1	-	1	1	1	1	1	-	1134152.38	1186706.75	
BPT-06	6'	1	-	-	-	-	-	-	-	1134226.49	1186744.29	
BPT-07	6'	1	-	-	-	-	-	-	-	1134249.86	1186795.54	
BPT-08	7'	1	-	-	-	-	-	-	-	1134234.15	1186845.05	
BPT-09	7'	1	-	1	1	1	1	1	-	1134225.7	1186885.19	
BPT-10	4'	1	-	1	1	1	1	1	-	1134265.43	1186916.72	
BPT-11	12'	1	-	-	-	-	-	-	-	1134230.29	1186940.21	
BPT-12	13'	1	-	-	-	-	-	-	-	1134180.12	1186916.31	
BPT-13	12'	1	-	1	1	1	1	1	-	1134143.52	1186891.98	

Notes:
1 - Aroclors analyzed via USEPA SW846 method 8082A
2 - Congeners analyzed via USEPA method 1668
3 - Herbicides analyzed via USEPA method 8151A
4 - Metals analyzed via USEPA SW846 methods 6010B/C and 7471A/B
5 - Pesticides analyzed via USEPA Method 8081B
6 - Semi-volatile organic compounds (SVOCs) analyzed via USEPA SW846 method 8270C/D
7 - Volatile organic compounds (VOCs) analyzed via SW846 method 8260B/C
8 - 1,4-Dioxane (1,4-D) analyzed via USEPA Method 8270D/E
COPC = constituent of potential concern
Depth values are shown in inches (") and feet (').
LOSRI = Limited On-site Remedial Investigation
PCB = polychlorinated biphenyl
USEPA = United States Environmental Protection Agency
'-' = Constituent(s) not analyzed

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
PCB Hot Spot Confirmation and Delineation Soil Borings												
D14-NW-1	2'-4'	1	-	-	-	-	-	-	-	-	North of D14-NW	Delineate PCBs approximately 25 feet to north of D14-NW
D14-NW-2	2'-4'	1	-	-	-	-	-	-	-	-	East of D14-NW	Delineate PCBs approximately 25 feet to east of D14-NW
D14-NW-3	2'-4'	1	-	-	-	-	-	-	-	-	South of D14-NW	Delineate PCBs approximately 25 feet to south of D14-NW
D14-NW-4	2'-4'	1	-	-	-	-	-	-	-	-	West of D14-NW	Delineate PCBs approximately 25 feet to west of D14-NW
SL6-1	0 - 2"	1	-	-	-	-	-	-	-	-	Northeast of SL6	Delineate PCBs approximately 25 feet to northeast
	2" - 2'	1	-	-	-	-	-	-	-	-		
SL6-2	0 - 2"	1	-	-	-	-	-	-	-	-	South-southeast of SL6	Delineate PCBs approximately 25 feet to south-southeast
	2" - 2'	1	-	-	-	-	-	-	-	-		
SL6-3	0 - 2"	1	-	-	-	-	-	-	-	-	Southwest of SL6	Delineate PCBs approximately 25 feet to southwest
	2" - 2'	1	-	-	-	-	-	-	-	-		
SL7-1	0 - 2"	1	-	-	-	-	-	-	-	-	North of SL7	Delineate PCBs approximately 25 feet to north
	2" - 2'	1	-	-	-	-	-	-	-	-		
SL7-2	0 - 2"	1	-	-	-	-	-	-	-	-	East of SL7	Delineate PCBs approximately 25 feet to east
	2" - 2'	1	-	-	-	-	-	-	-	-		
SL7-3	0 - 2"	1	-	-	-	-	-	-	-	-	South of SL7	Delineate PCBs approximately 25 feet to south
	2" - 2'	1	-	-	-	-	-	-	-	-		
SL7-4	0 - 2"	1	-	-	-	-	-	-	-	-	West of SL7	Delineate PCBs approximately 25 feet to west
	2" - 2'	1	-	-	-	-	-	-	-	-		
Confirmation and Delineation of Visual Sampling Points												
VS1	0 - 2"	-	-	-	-	-	1	-	-	-	At boring VS1	Confirm absence of TPH at locations of visual staining
	2" - 2'	-	-	-	-	-	1	-	-	-		
VS2	0 - 2"	-	-	-	-	-	1	-	-	-	At boring VS2	Confirm absence of TPH at locations of visual staining
	2" - 2'	-	-	-	-	-	1	-	-	-		
VS3	0 - 2"	-	-	-	-	-	1	-	-	-	At boring VS3	Confirm absence of TPH at locations of visual staining
	2" - 2'	-	-	-	-	-	1	-	-	-		
VS4	0 - 2"	-	-	-	-	-	1	-	-	-	At boring VS4	Confirm absence of TPH at locations of visual staining
	2" - 2'	-	-	-	-	-	1	-	-	-		
VS5	0 - 2"	-	-	-	-	-	1	-	-	-	At boring VS5	Confirm absence of TPH at locations of visual staining
	2" - 2'	-	-	-	-	-	1	-	-	-		
VS6	0 - 2"	-	-	-	-	-	1	-	-	-	At boring VS6	Confirm absence of TPH at locations of visual staining
	2" - 2'	-	-	-	-	-	1	-	-	-		
VS7	0 - 2"	-	-	-	-	-	1	-	-	-	At boring VS7	Confirm absence of TPH at locations of visual staining
	2" - 2'	-	-	-	-	-	1	-	-	-		
VS8	0 - 2"	-	-	-	-	-	1	-	-	-	At boring VS8	Confirm absence of TPH at locations of visual staining
	2" - 2'	-	-	-	-	-	1	-	-	-		
VS9	0 - 2"	-	-	-	-	-	1	-	-	-	At boring VS9	Confirm absence of TPH at locations of visual staining
	2" - 2'	-	-	-	-	-	1	-	-	-		
A8	0 - 2"	-	-	-	1	1	-	-	-	-	At boring A8	Delineate existing metals and PAHs
	2" - 2'	-	-	-	1	1	-	-	-	-		
A9	0 - 2"	-	-	-	1	1	-	-	-	-	At boring A9	Delineate existing metals and PAHs
	2" - 2'	-	-	-	1	1	-	-	-	-		
A10	0 - 2"	-	-	-	1	1	-	-	-	-	At boring A10	Delineate existing metals and PAHs
	2" - 2'	-	-	-	1	1	-	-	-	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
C9	0 - 2"	-	-	-	1	1	-	-	-	-	At boring C9	Delineate existing metals and PAHs
	2" - 2'	-	-	-	1	1				-		
C10	0 - 2"	-	-	-	1	1	1	-	-	1	At boring C10	Delineate existing metals and PAHs
	2" - 2'	-	-	-	1	1	1	-	-	1		
Delineation Soil Borings - Northeast Portion of Site												
F1	0 - 2"	-	-	-	1	-	-	-	-	-	At boring F1	Confirm absence and delineate existing PAHs to northwest of G2
	2" - 2'	-	-	-	1	-	-	-	-	-		
F2	0 - 2"	-	-	-	1	-	-	-	-	-	At boring F2	Confirm absence and delineate existing PAHs to west of G2
	2" - 2'	-	-	-	1	-	-	-	-	-		
F3	0 - 2"	-	-	-	1	-	-	-	-	-	At boring F3	Confirm absence and delineate existing PAHs to west of G3
	2" - 2'	-	-	-	1	-	-	-	-	-		
F4	0 - 2"	-	-	-	1	-	-	-	-	-	At boring F4	Confirm absence and delineate existing PAHs to southwest of G3
	2" - 2'	-	-	-	1	-	-	-	-	-		
G1	0 - 2"	-	-	-	1	-	-	-	-	-	At boring G1	Confirm absence and delineate existing PAHs to north of G2
	2" - 2'	-	-	-	1	-	-	-	-	-		
G4	0 - 2"	-	-	-	1	-	-	-	-	-	At boring G4	Confirm absence and delineate existing PAHs to south of G3
	2" - 2'	-	-	-	1	-	-	-	-	-		
H1	0 - 2"	-	-	-	1	-	-	-	-	-	At boring H1	Confirm absence and delineate existing PAHs to north of H2
	2" - 2'	-	-	-	1	-	-	-	-	-		
H4	0 - 2"	-	-	-	1	-	-	-	-	-	At boring H4	Confirm absence and delineate existing PAHs to south of H3
	2" - 2'	-	-	-	1	-	-	-	-	-		
I1	0 - 2"	-	-	-	1	-	-	-	-	-	At boring I1	Confirm absence and delineate existing PAHs to northeast of H2
	2" - 2'	-	-	-	1	-	-	-	-	-		
I2	0 - 2"	-	-	-	1	-	-	-	-	-	At boring I2	Confirm absence and delineate existing PAHs to east of H2
	2" - 2'	-	-	-	1	-	-	-	-	-		
I3	0 - 2"	-	-	-	1	-	-	-	-	-	At boring I3	Confirm absence and delineate existing PAHs to east of H3
	2" - 2'	-	-	-	1	-	-	-	-	-		
I4	0 - 2"	-	-	-	1	-	-	-	-	-	At boring I4	Confirm absence and delineate existing PAHs to southeast of H3
	2" - 2'	-	-	-	1	-	-	-	-	-		
Delineation Soil Borings - North-Central Portion of Site												
A6	0 - 2"	-	-	-	1	1	-	-	-	-	At boring A6	Confirm absence and delineate existing PAHs to north of A7
	2" - 2'	-	-	-	1	1	-	-	-	-		
B6	0 - 2"	-	-	-	1	1	-	-	-	-	At boring B6	Confirm absence and delineate existing PAHs to north of B7
	2" - 2'	-	-	-	1	1	-	-	-	-		
BLG-1	0 - 2"	-	-	-	1	1	-	-	-	-	At boring BLG-1	Confirm absence and delineate existing metals and PAHs between borings D7, VS6, B7, and BLG-2
	2" - 2'	-	-	-	1	1	-	-	-	-		
C6	0 - 2"	-	-	-	1	1	-	-	-	-	At boring C6	Confirm absence and delineate existing PAHs to west of D6. Potential for metals.
	2" - 2'	-	-	-	1	1	-	-	-	-		
D5	0 - 2"	-	-	-	1	1	-	-	-	-	At boring D5	Confirm absence and delineate existing PAHs to north of D6
	2" - 2'	-	-	-	1	1	-	-	-	-		
E5	0 - 2"	-	-	-	1	1	-	-	-	-	At boring E5	Confirm absence and delineate existing PAHs to north of E5
	2" - 2'	-	-	-	1	1	-	-	-	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
E7	0 - 2"	-	-	-	1	1	-	-	-	-	At boring E7	Confirm absence and delineate existing PAHs and metals in surrounding borings
	2" - 2'	-	-	-	1	1	-	-	-	-		
F5	0 - 2"	-	-	-	1	1	-	-	-	-	At boring F5	Confirm absence and delineate existing PAHs and metals to north of F6
	2" - 2'	-	-	-	1	1	-	-	-	-		
G5	0 - 2"	-	-	-	1	1	-	-	-	-	At boring G5	Confirm absence and delineate existing PAHs and metals to northeast of G6
	2" - 2'	-	-	-	1	1	-	-	-	-		
G6	0 - 2"	-	-	-	1	1	-	-	-	-	At boring G7	Confirm absence and delineate existing PAHs and metals to north of G7
	2" - 2'	-	-	-	1	1	-	-	-	-		
H6	0 - 2"	-	-	-	1	1	-	-	-	-	At boring H6	Confirm absence and delineate existing PAHs and metals to north of H7
	2" - 2'	-	-	-	1	1	-	-	-	-		
I6	0 - 2"	-	-	-	1	1	-	-	-	-	At boring I6	Confirm absence and delineate existing PAHs to north of I7
	2" - 2'	-	-	-	1	1	-	-	-	-		
Delineation Soil Borings - Southwest Portion of Site												
C11SW	0 - 2"	-	-	-	1	1	-	-	-	-	West of SL7	Confirm absence and delineate existing PAHs and metals to west of SL7
	2" - 2'	-	-	-	1	1	-	-	-	-		
C12	0 - 2"	-	-	-	1	1	-	-	-	-	North of C13 and southwest of SL7	Confirm absence and delineate existing PAHs and metals between surrounding borings
	2" - 2'	-	-	-	1	1	-	-	-	-		
D13	0 - 2"	-	-	-	1	1	-	-	-	-	Northeast of D14NW and south of VS7	Confirm absence and delineate existing metals and PAHs
	2" - 2'	-	-	-	1	1	-	-	-	-		
E11	0 - 2"	-	-	-	1	1	-	-	-	-	West of D6	Confirm absence and delineate existing PAHs to west of D6. Potential for metals.
	2" - 2'	-	-	-	1	1	-	-	-	-		
E12	0 - 2"	-	-	-	1	1	-	-	-	-	East of SL6	Confirm absence and delineate existing PAHs and metals to east of SL6
	2" - 2'	-	-	-	1	1	-	-	-	-		
E13	0 - 2"	-	-	-	1	1	-	-	-	-	South of VS7	Confirm absence and delineate existing metals to south of VS7
	2" - 2'	-	-	-	1	1	-	-	-	-		
E14	0 - 2"	-	-	-	1	1	-	-	-	-	East of D14SE	Confirm absence and delineate existing PAHs and metals to east of D14SE
	2" - 2'	-	-	-	1	1	-	-	-	-		
E15	0 - 2"	-	-	-	1	1	-	-	-	-	Southeast of D14SE	Confirm absence and delineate existing PAHs and metals to southeast of D14SE
	2" - 2'	-	-	-	1	1	-	-	-	-		
F11	0 - 2"	-	-	-	1	1	-	-	-	-	West of VS9 and north of G12	Confirm absence and delineate existing PAHs and metals between surrounding borings
	2" - 2'	-	-	-	1	1	-	-	-	-		
F12	0 - 2"	-	-	-	1	1	-	-	-	-	West of G12	Confirm absence and delineate existing PAHs and metals to west of G12
	2" - 2'	-	-	-	1	1	-	-	-	-		
F13	0 - 2"	-	-	-	1	1	-	-	-	-	West of G13	Confirm absence and delineate existing PAHs and metals to west of G13
	2" - 2'	-	-	-	1	1	-	-	-	-		
G11	0 - 2"	-	-	-	1	1	-	-	-	-	North of G12	Confirm absence and delineate existing PAHs and metals to north of G12
	2" - 2'	-	-	-	1	1	-	-	-	-		
H11	0 - 2"	-	-	-	1	1	-	-	-	-	South of H10	Confirm absence and delineate existing PAHs and metals to south of H10
	2" - 2'	-	-	-	1	1	-	-	-	-		
H12	0 - 2"	-	-	-	1	1	-	-	-	-	Between borings G12 and H13	Confirm absence and delineate existing PAHs and metals between surrounding borings
	2" - 2'	-	-	-	1	1	-	-	-	-		
I11	0 - 2"	-	-	-	1	1	-	-	-	-	To southeast of H10	Confirm absence and delineate existing PAHs and metals to southeast of H10
	2" - 2'	-	-	-	1	1	-	-	-	-		

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		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
I12	0 - 2"	-	-	-	1	1	-	-	-	-	To northeast of H13	Confirm absence and delineate existing PAHs to northeast of H13
	2" - 2'	-	-	-	1	1	-	-	-	-		
I13	0 - 2"	-	-	-	1	1	-	-	-	-	To east of H13	Confirm absence and delineate existing PAHs to east of H13
	2" - 2'	-	-	-	1	1	-	-	-	-		
Horizontal Delineation along OU1 Boundary												
B11-R	0 - 2"	1	-	-	-	-	-	-	-	-	Adjacent to boring B11	Evaluate extent of PCBs adjacent to OU1 property line
	2" - 2'	1	-	-	-	-	-	-	-	-		
B13-R	0 - 2"	1	-	-	-	-	-	-	-	-	Adjacent to boring B13	Evaluate extent of PCBs adjacent to OU1 property line
	2" - 2'	1	-	-	-	-	-	-	-	-		
B14-R	0 - 2"	1	-	-	-	-	-	-	-	-	Adjacent to boring B14	Evaluate extent of PCBs adjacent to OU1 property line
	2" - 2'	1	-	-	-	-	-	-	-	-		
C6-R	0 - 2"	1	-	-	-	-	-	-	-	-	Adjacent to boring C6	Evaluate extent of PCBs adjacent to OU1 property line
	2" - 2'	1	-	-	-	-	-	-	-	-		
C15-R	0 - 2"	1	-	-	-	-	-	-	-	-	Adjacent to boring C15	Evaluate extent of PCBs adjacent to OU1 property line
	2" - 2'	1	-	-	-	-	-	-	-	-		
D15-R	0 - 2"	1	-	-	-	-	-	-	-	-	Adjacent to boring D15	Evaluate extent of PCBs adjacent to OU1 property line
	2" - 2'	1	-	-	-	-	-	-	-	-		
Samples Beneath Former Debris Piles and Former Berm												
BDP1-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP1	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP2-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP2	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP2-2	0 - 2"	1	-	-	-	1	-	-	-	1	Beneath former debris pile DP2	Provide profile of subsurface conditions and PCBs beneath former debris pile Assess leaching potential of metals in subsurface soil
	2" - 2'	1	-	-	-	1	-	-	-	1		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP3-1	0 - 2"	1	-	-	-	1	-	-	-	1	Beneath former debris pile DP3	Provide profile of subsurface conditions and PCBs beneath former debris pile Assess leaching potential of metals in subsurface soil
	2" - 2'	1	-	-	-	1	-	-	-	1		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		

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Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
BDP3-2	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP3	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP4-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP4	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP4-2	0 - 2"	1	-	-	-	1	-	-	-	1	Beneath former debris pile DP4	Provide profile of subsurface conditions and PCBs beneath former debris pile Assess leaching potential of metals in subsurface soil
	2" - 2'	1	-	-	-	1	-	-	-	1		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP5-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP5	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP6-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP6	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP7-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP7	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP7-2	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP7	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		

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Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
BDP7-3	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP7	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP7-4	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP7	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP7-5	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP7	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP8-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP8	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP8-2	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP8	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP9-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP9	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP10-1	0 - 2"	1	-	-	-	1	-	-	-	1	Beneath former debris pile DP10	Provide profile of subsurface conditions and PCBs beneath former debris pile Assess leaching potential of metals in subsurface soil
	2" - 2'	1	-	-	-	1	-	-	-	1		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		

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Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
BDP11-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP11	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP11-2	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP11	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP12-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP12	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP13-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP13	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP14-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP14	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP14-2	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP14	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP15-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP15	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
BDP15-2	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP15	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP15-3	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP15	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP16-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP16	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP17-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP17	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BDP17-2	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former debris pile DP17	Provide profile of subsurface conditions and PCBs beneath former debris pile
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BBerm-1	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BBerm-2	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
BBerm-3	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
	10'-12'	1	-	-	-	-	-	-	-	-		
	12'-14'	1	-	-	-	-	-	-	-	-		
BBerm-4	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BBerm-5	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BBerm-6	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BBerm-7	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
BBerm-8	0 - 2"	1	-	1	-	-	-	-	-	-	Beneath former Berm; adjacent to estimated location of sanitary sewer line	Provide profile of subsurface conditions and PCBs beneath former Berm Assess VOCs in soil adjacent to sewer lines and upgradient of monitoring well MW03 Assess abandoned sanitary sewer overflow line bedding material
	2"-2'	1	-	1	-	-	-	-	-	-		
	2'-4'	1	-	1	-	-	-	-	-	-		
	4'-6'	1	-	1	-	-	-	-	-	-		
	6'-8'	1	-	1	-	-	-	-	-	-		
	8'-10'	1	-	1	-	-	-	-	-	-		
	10'-12'	1	-	1	-	-	-	-	-	-		
	12'-14'	1	-	1	-	-	-	-	-	-		
	14'-16'	1	-	1	-	-	-	-	-	-		
	16'-18'	1	-	1	-	-	-	-	-	-		
	18'-20'	1	-	1	-	-	-	-	-	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
BBerm-9	0 - 2"	1	-	1	-	-	-	-	-	-	Beneath former Berm; adjacent to estimated location of abandoned sanitary sewer overflow line	Provide profile of subsurface conditions and PCBs beneath former Berm Assess VOCs in soil adjacent to sewer lines and upgradient of monitoring well MW03 Assess abandoned sanitary sewer overflow line bedding material
	2"-2'	1	-	1	-	-	-	-	-	-		
	2'-4'	1	-	1	-	-	-	-	-	-		
	4'-6'	1	-	1	-	-	-	-	-	-		
	6'-8'	1	-	1	-	-	-	-	-	-		
	8'-10'	1	-	1	-	-	-	-	-	-		
	10'-12'	1	-	1	-	-	-	-	-	-		
	12'-14'	1	-	1	-	-	-	-	-	-		
	14'-16'	1	-	1	-	-	-	-	-	-		
	16'-18'	1	-	1	-	-	-	-	-	-		
	18'-20'	1	-	1	-	-	-	-	-	-		
BBerm-10	0 - 2"	1	-	1	1	1	-	-	-	-	Beneath former Berm; adjacent to estimated location of abandoned sanitary sewer overflow line; and within estimated footprint of former sanitary sewer settling pond	Provide profile of subsurface conditions and PCBs beneath former Berm Assess VOCs in soil adjacent to sewer lines and upgradient of monitoring well MW03 Assess COPCs within and below estimated footprint of former settling pond Assess abandoned sanitary sewer overflow line bedding material
	2"-2'	1	-	1	1	1	-	-	-	-		
	2'-4'	1	-	1	1	1	-	-	-	-		
	4'-6'	1	-	1	1	1	-	-	-	-		
	6'-8'	1	-	1	1	1	-	-	-	-		
	8'-10'	1	-	1	1	1	-	-	-	-		
	10'-12'	1	-	1	1	1	-	-	-	-		
	12'-14'	1	-	1	1	1	-	-	-	-		
	14'-16'	1	-	1	1	1	-	-	-	-		
	16'-18'	1	-	1	1	1	-	-	-	-		
	18'-20'	1	-	1	1	1	-	-	-	-		
BBerm-11	0 - 2"	1	-	1	1	1	-	-	-	-	Beneath former Berm; adjacent to estimated location of abandoned sanitary sewer overflow line; and within estimated footprint of former sanitary sewer settling pond	Provide profile of subsurface conditions and PCBs beneath former Berm Assess VOCs in soil adjacent to sewer lines and upgradient of monitoring well MW03 Assess COPCs within and below estimated footprint of former settling pond Assess abandoned sanitary sewer overflow line bedding material
	2"-2'	1	-	1	1	1	-	-	-	-		
	2'-4'	1	-	1	1	1	-	-	-	-		
	4'-6'	1	-	1	1	1	-	-	-	-		
	6'-8'	1	-	1	1	1	-	-	-	-		
	8'-10'	1	-	1	1	1	-	-	-	-		
	10'-12'	1	-	1	1	1	-	-	-	-		
	12'-14'	1	-	1	1	1	-	-	-	-		
	14'-16'	1	-	1	1	1	-	-	-	-		
	16'-18'	1	-	1	1	1	-	-	-	-		
	18'-20'	1	-	1	1	1	-	-	-	-		
	20'-22'	-	-	1	-	-	-	-	-	-		
	22'-24'	-	-	1	-	-	-	-	-	-		
BBerm-12	0 - 2"	1	-	1	-	-	-	-	-	-	Beneath former Berm; adjacent to storm sewer line	Provide profile of subsurface conditions and PCBs beneath former Berm Assess VOCs in soil adjacent to sewer lines and upgradient of monitoring well MW03 Assess storm sewer line bedding material
	2"-2'	1	-	1	-	-	-	-	-	-		
	2'-4'	1	-	1	-	-	-	-	-	-		
	4'-6'	1	-	1	-	-	-	-	-	-		
	6'-8'	1	-	1	-	-	-	-	-	-		
	8'-10'	1	-	1	-	-	-	-	-	-		
	10'-12'	1	-	1	-	-	-	-	-	-		
	12'-14'	1	-	1	-	-	-	-	-	-		
	14'-16'	1	-	1	-	-	-	-	-	-		
	16'-18'	1	-	1	-	-	-	-	-	-		
	18'-20'	1	-	1	-	-	-	-	-	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
BBerm-13	0 - 2"	1	-	1	-	-	-	-	-	-	Beneath former Berm; adjacent to storm sewer line	Provide profile of subsurface conditions and PCBs beneath former Berm Assess VOCs in soil adjacent to sewer lines and upgradient of monitoring well MW03 Assess storm sewer line bedding material
	2"-2'	1	-	1	-	-	-	-	-	-		
	2'-4'	1	-	1	-	-	-	-	-	-		
	4'-6'	1	-	1	-	-	-	-	-	-		
	6'-8'	1	-	1	-	-	-	-	-	-		
	8'-10'	1	-	1	-	-	-	-	-	-		
	10'-12'	1	-	1	-	-	-	-	-	-		
	12'-14'	1	-	1	-	-	-	-	-	-		
	14'-16'	1	-	1	-	-	-	-	-	-		
	16'-18'	1	-	1	-	-	-	-	-	-		
	18'-20'	1	-	1	-	-	-	-	-	-		
BBerm-14	0 - 2"	1	-	1	1	1	-	-	-	-	Beneath former Berm; adjacent to storm sewer line; and within estimated footprint of former sanitary sewer settling pond	Provide profile of subsurface conditions and PCBs beneath former Berm Assess VOCs in soil adjacent to sewer lines and upgradient of monitoring well MW03 (OU3) Assess COPCs within and below estimated footprint of former settling pond Assess storm sewer line bedding material
	2"-2'	1	-	1	1	1	-	-	-	-		
	2'-4'	1	-	1	1	1	-	-	-	-		
	4'-6'	1	-	1	1	1	-	-	-	-		
	6'-8'	1	-	1	1	1	-	-	-	-		
	8'-10'	1	-	1	1	1	-	-	-	-		
	10'-12'	1	-	1	1	1	-	-	-	-		
	12'-14'	1	-	1	1	1	-	-	-	-		
	14'-16'	1	-	1	1	1	-	-	-	-		
	16'-18'	1	-	1	1	1	-	-	-	-		
	18'-20'	1	-	1	1	1	-	-	-	-		
BBerm-15	0 - 2"	1	-	1	1	1	-	-	-	1	Beneath former Berm; adjacent to storm sewer line; and within estimated footprint of former sanitary sewer settling pond	Provide profile of subsurface conditions and PCBs beneath former Berm Assess VOCs in soil adjacent to sewer lines and upgradient of monitoring well MW03 Assess COPCs within and below estimated footprint of former settling pond Assess leaching potential of metals in subsurface soil Assess storm sewer line bedding material
	2"-2'	1	-	1	1	1	-	-	-	1		
	2'-4'	1	-	1	1	1	-	-	-	-		
	4'-6'	1	-	1	1	1	-	-	-	-		
	6'-8'	1	-	1	1	1	-	-	-	-		
	8'-10'	1	-	1	1	1	-	-	-	-		
	10'-12'	1	-	1	1	1	-	-	-	-		
	12'-14'	1	-	1	1	1	-	-	-	-		
	14'-16'	1	-	1	1	1	-	-	-	-		
	16'-18'	1	-	1	1	1	-	-	-	-		
	18'-20'	-	-	1	-	-	-	-	-	-		
	20'-22'	-	-	1	-	-	-	-	-	-		
BBerm-16	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
BBerm-17	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
	10'-12'	1	-	-	-	-	-	-	-	-		
	12'-14'	1	-	-	-	-	-	-	-	-		
BBerm-18	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
	10'-12'	1	-	-	-	-	-	-	-	-		
	12'-14'	1	-	-	-	-	-	-	-	-		
BBerm-19	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
	10'-12'	1	-	-	-	-	-	-	-	-		
	12'-14'	1	-	-	-	-	-	-	-	-		
BBerm-20	0 - 2"	1	-	-	-	-	-	-	-	-	Beneath former Berm	Provide profile of subsurface conditions and PCBs beneath former Berm
	2" - 2'	1	-	-	-	-	-	-	-	-		
	2'-4'	1	-	-	-	-	-	-	-	-		
	4'-6'	1	-	-	-	-	-	-	-	-		
	6'-8'	1	-	-	-	-	-	-	-	-		
	8'-10'	1	-	-	-	-	-	-	-	-		
	10'-12'	1	-	-	-	-	-	-	-	-		
	12'-14'	1	-	-	-	-	-	-	-	-		
Delineation Borings												
D1	0 - 2"	-	-	-	1	1	-	-	-	-	At boring D1	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	-		
D2	0 - 2"	-	-	-	1	1	-	-	-	-	At boring D2	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	-		
D3	0 - 2"	-	-	-	1	1	-	-	-	-	At boring D3	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
D4	0 - 2"	-	-	-	1	1	-	-	-	-	At boring D4	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	-		
E1	0 - 2"	-	-	-	1	1	-	-	-	-	At boring E1	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	-		
E3	0 - 2"	-	-	-	1	1	-	-	-	-	At boring E3	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	-		
E4	0 - 2"	-	-	-	1	1	-	-	-	-	At boring E4	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	-		
F1	0 - 2"	-	-	-	-	1	-	-	-	-	At boring F1	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
F2	0 - 2"	-	-	-	-	1	-	-	-	-	At boring F2	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
F3	0 - 2"	-	-	-	-	1	-	-	-	-	At boring F3	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
F4	0 - 2"	-	-	-	-	1	-	-	-	-	At boring F4	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
F14	0 - 2"	-	-	-	1	1	-	-	-	1	At boring F14	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	1		
G1	0 - 2"	-	-	-	-	1	-	-	-	-	At boring G1	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
G4	0 - 2"	-	-	-	-	1	-	-	-	1	At boring G4	Delineate existing metals and SVOCs Assess leaching potential of metals in subsurface soil
	2" - 2'	-	-	-	-	1	-	-	-	1		
G14	0 - 2"	-	-	-	1	1	-	-	-	-	At boring G14	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	-		
H1	0 - 2"	-	-	-	-	1	-	-	-	-	At boring H1	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
H4	0 - 2"	-	-	-	-	1	-	-	-	-	At boring H4	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
H5	0 - 2"	-	-	-	1	1	-	-	-	1	At boring H5	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	1		
I1	0 - 2"	-	-	-	-	1	-	-	-	-	At boring I1	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
I2	0 - 2"	-	-	-	-	1	-	-	-	-	At boring I2	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
I3	0 - 2"	-	-	-	-	1	-	-	-	-	At boring I3	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
I4	0 - 2"	-	-	-	-	1	-	-	-	-	At boring I4	Delineate existing metals
	2" - 2'	-	-	-	-	1	-	-	-	-		
I5	0 - 2"	-	-	-	1	1	-	-	-	-	At boring I5	Delineate existing metals and SVOCs
	2" - 2'	-	-	-	1	1	-	-	-	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
Emerging Contaminants Assessment Borings												
UW-2SO	0 - 2"	-	-	-	-	-	-	1	-	-	Immediately adjacent to well UW-2	Assess 1,4-D presence/absence in soils in vicinity of monitoring well UW-2/2B
	2" - 2'	-	-	-	-	-	-	1	-	-		
	2'-4'	-	-	-	-	-	-	1	-	-		
	4'-6'	-	-	-	-	-	-	1	-	-		
UW-2N	0 - 2"	-	-	-	-	-	-	1	-	-	30 feet north of well UW-2	Assess 1,4-D presence/absence in soils in vicinity of monitoring well UW-2/2B
	2" - 2'	-	-	-	-	-	-	1	-	-		
	2'-4'	-	-	-	-	-	-	1	-	-		
UW-2S	0 - 2"	-	-	-	-	-	-	1	-	-	30 feet south of well UW-2	Assess 1,4-D presence/absence in soils in vicinity of monitoring well UW-2/2B
	2" - 2'	-	-	-	-	-	-	1	-	-		
	2'-4'	-	-	-	-	-	-	1	-	-		
UW-2E	0 - 2"	-	-	-	-	-	-	1	-	-	30 feet east of well UW-2	Assess 1,4-D presence/absence in soils in vicinity of monitoring well UW-2/2B
	2" - 2'	-	-	-	-	-	-	1	-	-		
	2'-4'	-	-	-	-	-	-	1	-	-		
	4'-6'	-	-	-	-	-	-	1	-	-		
UW-2W	0 - 2"	-	-	-	-	-	-	1	-	-	30 feet west of well UW-2	Assess 1,4-D presence/absence in soils in vicinity of monitoring well UW-2/2B
	2" - 2'	-	-	-	-	-	-	1	-	-		
	2'-4'	-	-	-	-	-	-	1	-	-		
	4'-6'	-	-	-	-	-	-	1	-	-		
UW-3SO	0 - 2"	-	-	-	-	-	-	-	1	-	Immediately adjacent to well UW-3	Assess PFAS presence/absence in soils in vicinity of monitoring well UW-3
	2" - 2'	-	-	-	-	-	-	-	1	-		
	2'-4'	-	-	-	-	-	-	-	1	-		
	4'-6'	-	-	-	-	-	-	-	1	-		
UW-3N	0 - 2"	-	-	-	-	-	-	1	1	-	30 feet north of well UW-3	Assess 1,4-D and PFAS presence/absence in soils in vicinity of monitoring well UW-3
	2" - 2'	-	-	-	-	-	-	1	1	-		
	2'-4'	-	-	-	-	-	-	1	1	-		
	4'-6'	-	-	-	-	-	-	1	1	-		
UW-3S	0 - 2"	-	-	-	-	-	-	1	1	-	30 feet south of well UW-3	Assess 1,4-D and PFAS presence/absence in soils in vicinity of monitoring well UW-3
	2" - 2'	-	-	-	-	-	-	1	1	-		
	2'-4'	-	-	-	-	-	-	1	1	-		
	4'-6'	-	-	-	-	-	-	1	1	-		
	6'-8'	-	-	-	-	-	-	1	1	-		
UW-3E	0 - 2"	-	-	-	-	-	-	1	1	-	30 feet east of well UW-3	Assess 1,4-D and PFAS presence/absence in soils in vicinity of monitoring well UW-3
	2" - 2'	-	-	-	-	-	-	1	1	-		
	2'-4'	-	-	-	-	-	-	1	1	-		
	4'-6'	-	-	-	-	-	-	1	1	-		
UW-3W	0 - 2"	-	-	-	-	-	-	1	1	-	30 feet west of well UW-3	Assess 1,4-D and PFAS presence/absence in soils in vicinity of monitoring well UW-3
	2" - 2'	-	-	-	-	-	-	1	1	-		
	2'-4'	-	-	-	-	-	-	1	1	-		
	4'-6'	-	-	-	-	-	-	1	1	-		

Table 2-2
OU1 RI Soil Sample and Analyses Summary
Universal Waste
Utica, NY

Boring ID	Sample Depth	Laboratory Analyses									Boring Location	Rationale
		[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]TPH	[7]1,4-D	[8]SPLP PFAS	[9]SPLP Metals		
MW-8RSO	0 - 2"	-	-	-	-	-	-	-	1	-	Immediately adjacent to well MW-8R	Assess PFAS presence/absence in soils in vicinity of monitoring well MW-8R
	2" - 2'	-	-	-	-	-	-	-	1	-		
	2'-4'	-	-	-	-	-	-	-	1	-		
	4'-6'	-	-	-	-	-	-	-	1	-		
MW-8RN	0 - 2"	-	-	-	-	-	-	-	1	-	30 feet north of well MW-8R	Assess PFAS presence/absence in soils in vicinity of monitoring well MW-8R
	2" - 2'	-	-	-	-	-	-	-	1	-		
	2'-4'	-	-	-	-	-	-	-	1	-		
	4'-6'	-	-	-	-	-	-	-	1	-		
MW-8RS	0 - 2"	-	-	-	-	-	-	-	1	-	30 feet south of well MW-8R	Assess PFAS presence/absence in soils in vicinity of monitoring well MW-8R
	2" - 2'	-	-	-	-	-	-	-	1	-		
	2'-4'	-	-	-	-	-	-	-	1	-		
	4'-6'	-	-	-	-	-	-	-	1	-		
MW-8RE	0 - 2"	-	-	-	-	-	-	-	1	-	30 feet east of well MW-8R	Assess PFAS presence/absence in soils in vicinity of monitoring well MW-8R
	2" - 2'	-	-	-	-	-	-	-	1	-		
	2'-4'	-	-	-	-	-	-	-	1	-		
	4'-6'	-	-	-	-	-	-	-	1	-		
TOTALS		**379**	**0**	**91**	**157**	**165**	**20**	**35**	**37**	**18**		

Notes:
1 - Aroclors analyzed via USEPA SW846 method 8082A
2 - Congeners analyzed via USEPA method 1668
3 - Volatile organic compounds (VOCs) analyzed via SW846 method 8260B/C/D
4 - Semi-volatile organic compounds (SVOCs) analyzed via USEPA SW846 method 8270C/D/E
5 - Metals analyzed via USEPA SW846 methods 6010B/C and 7471A/B
6 - Total Petroleum Hydrocarbons (TPH) analyzed via USEPA method 8015 (or equivalent)
7 - 1,4-Dioxane (1.4-D) analyzed via USEPA Method 8270D/E
8 - Synthetic precipitation leaching procedure (SPLP) per-and polyfluoroalkyl substances (PFAS) Analyte List via USEPA Methods 1312 and 537.1
9 - SPLP metals analyzed via USEPA Methods 1312 and 6010C/7471B
Depth values are shown in inches (") and feet (').
'-' = Constituent(s) not analyzed
COPC = constituent of potential concern
OU1 = Operable Unit 1
OU3 = Operable Unit 3
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyls
TBD = to be determined
USEPA = United States Environmental Protection Agency

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
A7								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/16/2013	11/12/2014	5/20/2015	10/17/2016	10/16/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	4.9 J	NS	NS	NS	0.043 U	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	3.1 J				0.11 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	1.7 J				0.11 J			
							TOTAL PCBs	***9.7 J***				0.22 J			
A8								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/16/2013	11/12/2014	5/20/2015	10/17/2016	10/16/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	1.4 J	NS	NS	NS	55 U	NS	NS	NS
							TOTAL PCBs	***1.4 J***				U			
A9								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/16/2013	11/12/2014	5/20/2015	10/17/2016	10/16/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.71 J	NS	NS	NS	***1.9 J***	NS	NS	NS
							TOTAL PCBs	0.71 J				***1.9 J***			
A10								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/17/2016	10/17/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.089 U	NS	NS	NS	2.3 J	3.3 J	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.089 U				2.3 J	1.2		
							TOTAL PCBs	U				***4.6 J***	***4.5 J***		
B6								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/16/2013	11/12/2014	5/20/2015	10/17/2016	10/16/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.78 J	NS	NS	NS	0.12 U	NS	NS	NS
							TOTAL PCBs	0.78 J				U			
B7								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/16/2013	11/12/2014	5/20/2015	10/17/2016	10/16/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	26 J	NS	NS	NS	0.33 J	NS	NS	NS
							TOTAL PCBs	***26 J***				0.33 J			
B10								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/17/2016	10/18/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.24 J	NS	NS	NS	0.1 U	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	3.2 J				0.24 U			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.59 J				0.24 U			
							TOTAL PCBs	***4.03 J***							

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
B11								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.083 U	NS	NS	0.12 J	1.7 J	NS	NS	0.0524 J
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.083 U			0.0197	0.3 J			0.0526 J
TOTAL PCBs											0.1397 J	***2 J***			0.105 J
B13								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	3.1 J	NS	NS	1.6 J	4.5 J	NS	NS	0.0683 J
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.75 J			0.394	1.2 J			0.0039 U
TOTAL PCBs								***3.85 J***			***1.994 J***	***5.7 J***			0.0683 J
B14								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	10/14/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	4.2 J	NS	NS	2.32 J	1.4 J	0.592 J	NS	0.715 J
AROCLOR 1260	0.1	1	1	1	25	3.2	1	2.4 U			0.217 J	0.41 J	R		0.00541 J
TOTAL PCBs								***4.2 J***			***2.537***	***1.81 J***	0.592 J		0.72041
C6								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	1.8 J	NS	NS	0.351 J	1.6 J	NS	NS	0.233 J
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.94 J			0.0888	0.86 J			0.004 U
TOTAL PCBs								***2.74 J***			0.4398	***2.46 J***			0.237 J
C9								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.13 J	NS	NS	NS	0.085 UJ	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	1.3 J				1.3 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.27 J				0.2 UJ			
TOTAL PCBs								***1.7 J***				***1.3 J***			
C10								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.075 U	NS	NS	NS	0.63 J	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.89 J				3.8 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.18 U				0.7 J			
TOTAL PCBs								0.89 J				***5.13 J***			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
C11-SW								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.051 UJ	NS	NS	NS	7.8 J	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.34 J				11 J			
TOTAL PCBs								0.34 J				***18.8 J***			
C12								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2015	5/20/2015	10/18/2016	10/18/2013	11/12/2015	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.37 UJ	NS	NS	NS	21 J	13 U	NS	NS
AROCLOR 1248	0.1	1	1	1	25	3.2	1	0.37 UJ				4.2 UJ	44 J		
AROCLOR 1254	0.1	1	1	1	25	3.2	1	5.3 J				46 J	29 J		
TOTAL PCBs								***5.3 J***				***67 J***	***73 J***		
C13								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	R	NS	NS	NS	29 J	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	3.2 J				33 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.62 J				6.7 UJ			
TOTAL PCBs								***3.82 J***				***62 J***			
C14								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	R	NS	NS	NS	8.2 J	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	4 J				11 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	1 J				2.9 J			
TOTAL PCBs								***5 J***				***22.1 J***			
C15								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	12 J	NS	NS	1.83 J	6.7 J	NS	NS	1.11 J
AROCLOR 1260	0.1	1	1	1	25	3.2	1	1.2 UJ			0.214	1.2 J			0.134
TOTAL PCBs								***12 J***			***7.9***	***7.9 J***			***7.9***
D4								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.17 J	NS	NS	NS	0.98 J	NS	NS	NS
TOTAL PCBs								0.17 J				0.98 J			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
D6								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.17 U	NS	NS	NS	0.17 J	NS	NS	NS
TOTAL PCBs								U				0.17 J			
D7								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	9.9 J	NS	NS	NS	*10 J*	NS	NS	NS
TOTAL PCBs								*9.9 J*				*10 J*			
D8-NE								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.11 UJ	NS	NS	NS	7.1 J	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	2.8 J				39 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.67 J				6.3 J			
TOTAL PCBs								*3.47 J*				*52.4 J*			
D9								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	1.3 J	NS	NS	NS	*3.4 J*	NS	NS	NS
TOTAL PCBs								*1.3 J*				*3.4 J*			
D10								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	14 J	NS	NS	NS	12 U	NS	NS	NS
TOTAL PCBs								*14 J*							
D11								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	110 J	19 J	NS	NS	5 UJ	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	120 J	33 J			62 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	13 J	1.2 U			12 UJ			
TOTAL PCBs								*243 J*	*52 J*			*62 J*			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
D11-NW								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.089 UJ	NS	NS	NS	0.35 J	NS	NS	NS
AROCLOR 1248	0.1	1	1	1	25	3.2	1	15 J				0.053 UJ			
AROCLOR 1254	0.1	1	1	1	25	3.2	1	12 J				2.8 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	1.6 J				0.47 J			
							TOTAL PCBs	***28.6 J***				***3.62 J***			
D11-SE								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	26 J	NS	NS	NS	***17 J***	NS	NS	NS
							TOTAL PCBs	***26 J***				***17 J***			
D13								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	NS	NS	4.04 J	NS	NS	NS	0.719 J	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1			0.796 J				0.0687 J	
							TOTAL PCBs			***4.84 J***				0.7877 J	
D14-NW								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	22 J	NS	NS	NS	***11 J***	NS	NS	NS
							TOTAL PCBs	***22 J***				***11 J***			
D14-SE								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/17/2016	10/21/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	3.8 J	NS	NS	NS	13 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.92 J				1.2 U			
							TOTAL PCBs	***4.72 J***				***13 J***			
D15								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	1 UJ	1.1 J	NS	0.037 U	0.39 U	NS	NS	0.037 U
AROCLOR 1254	0.1	1	1	1	25	3.2	1	93 J	2.4 J		3.23 J	0.94 U			0.325 J
AROCLOR 1260	0.1	1	1	1	25	3.2	1	24 J	0.29 U		0.32 J	0.94 U			0.0387 J
							TOTAL PCBs	***117 J***	***3.5 J***		***3.55 J***				0.3637 J

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
E1								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.36 J	NS	NS	NS	0.11 U	NS	NS	NS
TOTAL PCBs								0.36 J							
E2								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.15 U	NS	NS	NS	0.55 J	NS	NS	NS
TOTAL PCBs								U				0.55 J			
E3								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.14 U	NS	NS	NS	0.43 J	NS	NS	NS
TOTAL PCBs												0.43 J			
E4								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.19 J	NS	NS	NS	0.77 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.14 U				0.63 J			
TOTAL PCBs								0.19 J				***1.4 J***			
E5								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	0.068 U	NS	1.44 J	NS	0.048 U	NS	0.0016 U	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.16 U		4.66 J		0.12 U		0.0504 J	
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.16 U		0.912 J		0.12 U		0.0315 J	
TOTAL PCBs										***7.012 J***				0.0819 J	
E6								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	2.5 UJ	NS	NS	NS	2.2 J	NS	NS	NS
AROCLOR 1248	0.1	1	1	1	25	3.2	1	42 J				0.1 UJ			
AROCLOR 1254	0.1	1	1	1	25	3.2	1	44 J				3.9 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	6 UJ				0.97 J			
TOTAL PCBs								***86 J***				***7.07 J***			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
E7								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.056 UJ	NS	NS	NS	6 J	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	10 J				0.26 UJ			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	2.2 J				0.5 J			
							TOTAL PCBs	***12.2 J***				***6.5 J***			
E8								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	9.1 J	NS	NS	NS	0.14 U	NS	NS	NS
							TOTAL PCBs	9.1 J				U			
E9								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	8.8 J	NS	NS	NS	***11 J***	NS	NS	NS
							TOTAL PCBs	***8.8 J***				***11 J***			
E10								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	9.6 J	NS	NS	NS	1.5 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	2.2 J				0.42 J			
							TOTAL PCBs	***11.8 J***				***1.92 J***			
E11								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	7.4 J	NS	NS	NS	0.11 U	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	2.4 U				0.13 J			
							TOTAL PCBs	***7.4 J***				0.13 J			
E12								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	34 J	NS	NS	NS	0.5 U	NS	NS	NS
							TOTAL PCBs	***34 J***							
E13								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	11 J	NS	NS	NS	***1.1 J***	NS	NS	NS
							TOTAL PCBs	***11 J***				***1.1 J***			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
E14								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	91 J	NS	NS	NS	0.098 U	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	20 J				0.098 U			
							TOTAL PCBs	***111 J***							
E14-SE								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	1.3 J	NS	NS	NS	0.99 U	NS	NS	NS
							TOTAL PCBs	*1.3 J*							
E15								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.31 J	NS	NS	NS	0.51 U	NS	NS	NS
							TOTAL PCBs	0.31 J							
F1								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.11 UJ	NS	NS	NS	0.78 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.11 UJ				0.31 J			
							TOTAL PCBs					***1.09 J***			
F2								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.35 J	NS	NS	NS	0.12 U	NS	NS	NS
							TOTAL PCBs	0.35 J							
F5								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	49 J	NS	NS	NS	3.8 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	6.4 U				0.79 J			
							TOTAL PCBs	***49 J***				***4.59 J***			
F6								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	15 J	NS	NS	NS	7 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	3 UJ				1.5 J			
							TOTAL PCBs	***15 J***				***8.5 J***			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
F7								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	11 J	NS	NS	NS	0.12 U	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	2.5 U				3.6 J			
TOTAL PCBs								***11 J***				***3.6 J***			
F8								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	39 J	NS	NS	NS	***50 J***	NS	NS	NS
TOTAL PCBs								***39 J***				***50 J***			
F9								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	49 J	NS	NS	NS	***83 J***	NS	NS	NS
TOTAL PCBs								***49 J***				***83 J***			
F10								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	8.9 J	NS	NS	NS	0.99 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	1.7 J				0.12 U			
TOTAL PCBs								***10.6 J***				0.99 J			
F11								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	65 J	NS	NS	NS	***9.1 J***	NS	NS	NS
TOTAL PCBs								***65 J***				***9.1 J***			
F12								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	7.2 J	NS	NS	NS	0.12 U	NS	NS	NS
TOTAL PCBs								***7.2 J***							
F13								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	5.8 J	NS	NS	NS	1.2 U	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	1.4 J				1.2 U			
TOTAL PCBs								***7.2 J***							

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
G1								0-2"	0-2"	0-2"	0-2"	2"-2'	0-2"	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.046 UJ	NS	NS	NS	0.51 J	NS	NS	NS
							TOTAL PCBs					0.51 J			
G2								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								11/3/2013	11/12/2014	5/20/2015	10/18/2016	11/3/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.14 U	NS	NS	NS	2.8 J	0.54 J	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.86 J				2.9 J	0.3 U		
							TOTAL PCBs	0.86 J				***5.7 J***	0.54 J		
G3								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2014	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	2 J	NS	NS	NS	0.47 J	NS	NS	NS
							TOTAL PCBs	***2 J***				0.47 J			
G4								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.1 UJ	NS	NS	NS	1.4 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.19 J				0.16 U			
							TOTAL PCBs	0.19 J				***1.4 J***			
G5								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	47 J	NS	NS	NS	1.1 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	6 UJ				0.31 J			
							TOTAL PCBs	***47 J***				***1.41 J***			
G6								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	13 J	NS	NS	NS	0.11 U	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	2.4 J				0.11 U			
							TOTAL PCBs	***15.4 J***							
G7								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	55 J	NS	NS	NS	***6.9 J***	NS	NS	NS
							TOTAL PCBs	***55 J***				***6.9 J***			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
G8								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	60 J	NS	NS	NS	0.53 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	7.4 UJ				0.21 J			
TOTAL PCBs								***60 J***				0.74 J			
G9								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	25 J	NS	NS	NS	***9.4 J***	NS	NS	NS
TOTAL PCBs								***25 J***				***9.4 J***			
G10								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	27 J	NS	NS	NS	10 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	6.8 U				5.8 J			
TOTAL PCBs								***27 J***				***15.8 J***			
G11								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	34 J	NS	NS	NS	3.3 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	2.7 U				0.98 J			
TOTAL PCBs								***34 J***				***4.28 J***			
G12								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	12 J	NS	NS	NS	4.2 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	8.3 J				1.2 U			
TOTAL PCBs								***20.3 J***				***4.2 J***			
G13								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	39 J	NS	NS	NS	1.2 UJ	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	1.3 U				2.6 J			
TOTAL PCBs								***39 J***				***2.6 J***			
H2								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	R	NS	NS	NS	5.5 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.36 J				0.18 U			
TOTAL PCBs								0.36 J				***5.5 J***			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
H3								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.12 UJ	NS	NS	NS	0.5 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.12 UJ				0.65 J			
TOTAL PCBs												***1.15 J***			
H4								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.49 J	NS	NS	NS	0.92 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.16 UJ				0.88 J			
TOTAL PCBs								0.49 J				***1.8 J***			
H5								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.97 J	NS	NS	NS	1.4 U	NS	NS	NS
TOTAL PCBs								0.97 J				.			
H6								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	14 J	14 U	NS	NS	0.15 J	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	20 J	47 J			0.21 J			
TOTAL PCBs								***34 J***	***47 J***			0.36 J			
H7								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	83 J	NS	NS	NS	0.28 J	NS	NS	NS
TOTAL PCBs								***83 J***				0.28 J			
H8								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	2.5 UJ	15 J	NS	NS	2.2 U	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	80 J	31 J			37 J			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	15 J	14 U			5.3 U			
TOTAL PCBs								***95 J***	***46 J***			***37 J***			
H10								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	43 J	NS	NS	NS	0.44 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	7.4 J				0.48 J			
TOTAL PCBs								***50.4 J***				0.92 J			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
H11								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	7.4 J	NS	NS	NS	9.4 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	1.1 UJ				4.4 J			
TOTAL PCBs								***7.4 J***				***13.8 J***			
H12								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	5.6 J	NS	NS	NS	7.8 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.37 U				2.5 J			
TOTAL PCBs								***5.6 J***				***10.3 J***			
H13								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.5 J	NS	NS	NS	0.12 U	NS	NS	NS
TOTAL PCBs								0.5 J							
I1								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.3 J	NS	NS	NS	0.046 U	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.62 J				0.11 U			
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.49 J				0.11 U			
TOTAL PCBs								***1.41 J***							
I2								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/232013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	1.9 J	NS	NS	NS	1.5 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.92 J				0.67 J			
TOTAL PCBs								***2.82 J***				***2.17 J***			
I3								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/232013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	R	NS	NS	NS	0.59 J	NS	NS	NS
TOTAL PCBs												0.59 J			
I4								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/232013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.61 J	NS	NS	NS	0.75 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.13 UJ				0.25 J			
TOTAL PCBs								0.61 J				1 J			

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
I5								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/232013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	1.5 J	NS	NS	NS	0.58 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.49 J				0.14 U			
TOTAL PCBs								***1.99 J***				0.58 J			
I6								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/232013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	6.2 J	NS	NS	NS	*1.1 J*	NS	NS	NS
TOTAL PCBs								*6.2 J*				***1.1 J***			
I7								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/232013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	42 J	NS	NS	NS	*120 J*	NS	NS	NS
TOTAL PCBs								*42 J*				*120 J*			
I8								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	39 J	NS	NS	NS	85 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	5.2 UJ				12 J			
TOTAL PCBs								*39*				*97 J*			
I9								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	18 J	23 U	NS	NS	2.2 UJ	NS	NS	NS
AROCLOR 1248	0.1	1	1	1	25	3.2	1	2.1 UJ	59 J			58 J			
AROCLOR 1254	0.1	1	1	1	25	3.2	1	38 J	50 J			69 J			
TOTAL PCBs								*56 J*	*109 J*			*127 J*			
I10								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	27 J	NS	NS	NS	0.84 UJ	NS	NS	NS
AROCLOR 1248	0.1	1	1	1	25	3.2	1	2.4 UJ				23 J			
AROCLOR 1254	0.1	1	1	1	25	3.2	1	78 J				23 J			
TOTAL PCBs								*105 J*				*46 J*			
I11								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	8.1 J	NS	NS	NS	0.13 U	NS	NS	NS
TOTAL PCBs								*8.1 J*							

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
I13								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.66 J	NS	NS	NS	0.11 U	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.43 J				0.11 U			
							TOTAL PCBs	***1.09 J***							
BLG-1								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	11/12/2014	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	10 U	NS	NS	NS	0.53 J	NS	NS	NS
							TOTAL PCBs					0.53 J			
BLG-2								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/16/2013	11/12/2014	5/20/2015	10/18/2016	10/16/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	1.7 J	NS	NS	NS	2.4 J	NS	NS	NS
							TOTAL PCBs	***1.7 J***				***2.4 J***			
BLG-3								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/16/2013	11/12/2014	5/20/2015	10/18/2016	10/16/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	3.9 J	NS	NS	NS	0.5 J	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.1 U				0.27 J			
							TOTAL PCBs	***3.9 J***				0.77 J			
BLG-4								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.63 J	NS	NS	NS	4.3 U	NS	NS	NS
							TOTAL PCBs	0.63 J							
BLG-5								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	11/12/2014	5/20/2015	10/18/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.13 U	NS	NS	NS	0.63 J	NS	NS	NS
							TOTAL PCBs	U				0.63 J			
SL-1								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	NS	5.65 J	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1		4.26 J						
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.457 J						
							TOTAL PCBs		***10.367 J***						

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
SL-2								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	NS	0.881 J	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.643 J						
TOTAL PCBs									***1.524 J***						
SL4								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.273						
TOTAL PCBs									0.273						
SL-5								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	10/15/2014	5/20/2015	10/17/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	NS	11.2 J	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1		23.8 J						
AROCLOR 1260	0.1	1	1	1	25	3.2	1		4.37 J						
TOTAL PCBs									***39.37 J***						
SL-6								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	10/15/2014	5/20/2015	10/17/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	NS	3670 J	NS	NS	NS	NS	NS	NS
TOTAL PCBs									***3670 J***						
SL-7								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	10/15/2014	5/20/2015	10/17/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	NS	258 J	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1		268 J						
AROCLOR 1260	0.1	1	1	1	25	3.2	1		26.1 J						
TOTAL PCBs									***552.1 J***						
SL-8								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	10/15/2014	5/20/2015	10/17/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	NS	56.9 J	NS	NS	NS	NS	NS	NS
TOTAL PCBs									***56.9 J***						
SL6-1								0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'
								10/22/2013	11/12/2014	5/20/2015	10/17/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	NS	NS	NS	23 J	NS	NS	NS	6.47 J
AROCLOR 1260	0.1	1	1	1	25	3.2	1				0.037 UJ				0.883 J
TOTAL PCBs											***23 J***				***7.353 J***

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
SL6-2								0-2" 10/22/2013 mg/kg	0-2" 11/12/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	NS	NS	NS	0.034 U	NS	NS	NS	275 J
AROCLOR 1254	0.1	1	1	1	25	3.2	1				0.88 J				130 J
							TOTAL PCBs				0.88 J				***405 J***
SL6-3								0-2" 10/22/2013 mg/kg	0-2" 11/12/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	NS	NS	NS	11.7 J	NS	NS	NS	0.036 U
AROCLOR 1248	0.1	1	1	1	25	3.2	1				0.036 UJ				24.7 J
AROCLOR 1254	0.1	1	1	1	25	3.2	1				8.19 J				27.6 J
							TOTAL PCBs				***19.89 J***				***52.3 J***
SL7-1								0-2" 10/22/2013 mg/kg	0-2" 11/12/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	NS	NS	NS	6.09 J	NS	NS	NS	4.21 J
AROCLOR 1254	0.1	1	1	1	25	3.2	1				8.54 J				8.38 J
							TOTAL PCBs				***14.63 J***				***12.59 J***
SL7-2								0-2" 10/22/2013 mg/kg	0-2" 11/12/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1242	0.1	1	1	1	25	3.2	1	NS	NS	NS	0.407 J	NS	NS	NS	0.033 U
AROCLOR 1254	0.1	1	1	1	25	3.2	1				0.82 J				4.13 J
							TOTAL PCBs				***1.227 J***				***4.13 J***
SL7-3								0-2" 10/22/2013 mg/kg	0-2" 11/12/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	NS	NS	NS	19.4 J	NS	NS	NS	61.6 J
							TOTAL PCBs				***19.4 J***				***61.6 J***
SL7-4								0-2" 10/22/2013 mg/kg	0-2" 11/12/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	NS	NS	NS	11 J	NS	NS	NS	0.429 J
AROCLOR 1260	0.1	1	1	1	25	3.2	1				0.034 UJ				0.125 J
							TOTAL PCBs				***11 J***				0.4554 J

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
VS-1								0-2" 10/22/2013 mg/kg	0-2" 10/15/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/15/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	NS	0.579 J	NS	NS	NS	2.13 J	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1		1.17 J				4.62 J		
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.529 J				1.36 J		
TOTAL PCBs									***2.278 J***				***8.11 J***		
VS-2								0-2" 10/22/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	NS	0.034 U	NS	NS	NS	0.693 J	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.034 U				0.188 J		
TOTAL PCBs													0.881 J		
VS-3								0-2" 10/22/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	NS	0.0013 UJ	NS	NS	NS	0.565 J	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1		0.968 J				1.25 J		
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.0013 UJ				0.255 J		
TOTAL PCBs									0.968 J				***2.07 J***		
VS-4								0-2" 10/22/2013 mg/kg	0-2" 10/16/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	NS	0.0015 UJ	NS	NS	NS	0.388 J	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1		0.319 J				0.721 J		
TOTAL PCBs									0.319 J				***1.109 J***		
VS-5								0-2" 10/22/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	NS	1.71 J	NS	NS	NS	0.764 J	NS	NS
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.04 UJ				0.13 J		
TOTAL PCBs									***1.71 J***				0.894 J		
VS-6								0-2" 10/22/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	NS	2.32 J	NS	NS	NS	0.0036 U	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1		9.78 J				1.93 J		
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.14 U				0.342 J		
TOTAL PCBs									***12.1 J***				***2.25 J***		

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units							
VS-7								0-2" 10/22/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	NS	0.0017 U	NS	NS	NS	2.32 J	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1		0.966 J				5.01 J		
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.25 J				0.746 J		
							TOTAL PCBs		***1.216 J***				***8.076 J***		
VS-8								0-2" 10/22/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1254	0.1	1	1	1	25	3.2	1	NS	0.736 J	NS	NS	NS	2.61 J	NS	NS
							TOTAL PCBs		0.736 J				***2.61 J***		
VS-9								0-2" 10/22/2013 mg/kg	0-2" 10/15/2014 mg/kg	0-2" 5/20/2015 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/15/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg
AROCLOR 1248	0.1	1	1	1	25	3.2	1	NS	0.0014 U	NS	NS	NS	5.53 J	NS	NS
AROCLOR 1254	0.1	1	1	1	25	3.2	1		3.71 J				11.9 J		
AROCLOR 1260	0.1	1	1	1	25	3.2	1		0.793 J				3.13 J		
							TOTAL PCBs		***4.50 J***				***20.56 J***		
BBERM-1								0-2" 9/22/2020 mg/kg	2"-2' 9/22/2020 mg/kg						
AROCLOR 1248	0.1	1	1	1	25	3.2	1	0.039 U	1.7 *J*						
AROCLOR 1254	0.1	1	1	1	25	3.2	1	11.4	5.47 *J*						
							TOTAL PCBs	***11.4***	***7.17 J***						
BBERM-2								0-2" 9/22/2020 mg/kg	2"-2' 9/22/2020 mg/kg						
AROCLOR 1254	0.1	1	1	1	25	3.2	1	61.9 J	25.9 *J*						
							TOTAL PCBs	***61.9 J***	***25.9 J***						
BBERM-3								0-2" 09/22/2020 0-0.167	2"-2' 09/22/2020 0.167-2						
AROCLOR 1248	0.1	1	1	1	25	3.2	1	24 J	35.5 *J*						
AROCLOR 1254	0.1	1	1	1	25	3.2	1	31.7 J	31.4 *J*						
							TOTAL PCBs	***55.7 J***	***66.9 J***						
BBERM-4								0-2" 09/22/2020 0-0.167	2"-2' 09/22/2020 0.167-2						
AROCLOR 1254	0.1	1	1	1	25	3.2	1	41.6 J	94 *J*						
							TOTAL PCBs	***41.6 J***	***94 J***						

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth / Sample Date / Units		
BBERM-5								0-2" / 9/22/2020 / mg/kg	2"-2' / 9/22/2020 / mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	36.4 J	95.5 *J*	
TOTAL PCBs								***36.4 J***	***95.5 J***	
BBERM-6								0-2" / 9/22/2020 / mg/kg	2"-2' / 9/22/2020 / mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	21 J	49.1 *J*	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	36.5 J	86.4 *J*	
TOTAL PCBs								***57.5 J***	***135.5 J***	
BBERM-7								0-2" / 9/22/2020 / mg/kg	2"-2' / 9/22/2020 / mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	17.1 J	24.1 *J*	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	31.2 J	36.8 *J*	
TOTAL PCBs								***48.3 J***	***60.9 J***	
BBERM-8								0-2" / 9/23/2020 / mg/kg	2"-2' / 9/23/2020 / mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	87.2	6.71	
TOTAL PCBs								***87.2***	***6.71***	
BBERM-9								0-2" / 9/23/2020 / mg/kg	2"-2' / 9/23/2020 / mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	26.7 J	0.038 U	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	31.5 J	84.9	
TOTAL PCBs								***58.2 J***	***84.9***	
BBERM-10								0-2" / 9/23/2020 / mg/kg	2"-2' / 9/23/2020 / mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	9.33 J	14.4	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	14.6 J	25.7	
TOTAL PCBs								***23.93 J***	***40.1***	

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth		
								Sample Date		
								Units		
BBERM-11								0-2"	2"-2'	
								9/23/2020	9/23/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	12.7	33.1	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	32.4	23.1	
TOTAL PCBs								*45.1*	*56.2*	
BBERM-12								0-2"	2"-2'	
								9/24/2020	9/24/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	12.9 J	39.8 *J*	
TOTAL PCBs								*12.9 J*	*39.8 J*	
BBERM-13								0-2"	2"-2'	
								9/24/2020	9/24/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	0.038 U	20.6	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	26.5	39.2	
TOTAL PCBs								*26.5*	*59.8*	
BBERM-14								0-2"	2"-2'	
								9/24/2020	9/24/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	0.039 U	19.6	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	55.8	21.8	
TOTAL PCBs								*55.8*	*41.4*	
BBERM-15								0-2"	2"-2'	
								9/24/2020	9/24/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	18.1 J	15 *J*	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	32.6 J	28.4 *J*	
TOTAL PCBs								*50.7 J*	*43.4 J*	
BBERM-16								0-2"	2"-2'	
								9/25/2020	9/25/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	12.4 J	15.6 *J*	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	28.2 J	26.7 *J*	
TOTAL PCBs								*40.6 J*	*42.3 J*	

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth		
								Sample Date		
								Units		
BBERM-17								0-2"	2"-2'	
								9/25/2020	9/25/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	22.9	46.1 J	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	40.4	88 J	
							TOTAL PCBs	*63.3*	*134.1 J*	
BBERM-18								0-2"	2"-2'	
								9/25/2020	9/25/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	19.6	21.9	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	37.2	36.1	
							TOTAL PCBs	56.8	58	
BBERM-19								0-2"	2"-2'	
								9/25/2020	9/25/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	27.9	35.2	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	54.2	47.4	
							TOTAL PCBs	*82.1*	*82.6*	
BBERM-20								0-2"	2"-2'	
								9/23/2020	9/23/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	30.9 J	24.7 J	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	56.7 J	47.4 J	
							TOTAL PCBs	*87.6 J*	*72.1 J*	
BDP1-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	3.05	0.591 J	
							TOTAL PCBs	***3.05***	0.591 J	
BDP2-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	8.3	7.02	
							TOTAL PCBs	*8.3*	*7.02*	
BDP2-2								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	12.2	1.24	
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.044 U	0.788 J	
							TOTAL PCBs	*12.2*	***2.028 J***	

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth		
								Sample Date		
								Units		
BDP-3-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	1.84	0.04 UJ	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	8.82 J	0.244 J	
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.037 U	0.179 J	
							TOTAL PCBs	***10.66 J***	0.423 J	
BDP3-2								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	0.039 U	9.85	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	14.2	14.2	
							TOTAL PCBs	***14.2***	***24.05***	
BDP4-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	4.69 J	0.039 U	
							TOTAL PCBs	***4.69 J***		
BDP4-2								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	16.9	4.41	
							TOTAL PCBs	***16.9***	***4.41***	
BDP5-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	13.2	0.042 U	
							TOTAL PCBs	***13.2***		
BDP6-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	42.1	62.9	
							TOTAL PCBs	***42.1***	***62.9***	
BDP7-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	26.7 J	4.63 *J*	
							TOTAL PCBs	***26.7 J***	***4.63 J***	
BDP7-2								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	15.5 J	3.14	
							TOTAL PCBs	***15.5 J***	***3.14***	

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth		
								Sample Date		
								Units		
BDP7-3								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	12.9	3.44	
							TOTAL PCBs	***12.9***	***3.44***	
BDP7-4								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	13.6	28.7 *J*	
							TOTAL PCBs	***13.6***	***28.7 J***	
BDP7-5								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	7.35	0.0306 J	
							TOTAL PCBs	***7.35***	0.0306 J	
BDP8-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	5.59	4.97 *J*	
							TOTAL PCBs	***5.59***	***4.97 J***	
BDP8-2								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.394	1.62	
							TOTAL PCBs	0.394	***1.62***	
BDP9-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.955	0.04 UJ	
							TOTAL PCBs	0.955		
BDP10-1								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	0.038 UJ	43.9 *J*	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	27.2 J	57.4 *J*	
							TOTAL PCBs	***27.2 J***	***101.3 J***	
BDP11-1								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	24.7 J	18.3 *J*	
							TOTAL PCBs	***24.7 J***	***18.3 J***	

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth		
								Sample Date		
								Units		
BDP11-2								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	0.039 UJ	0.357 J	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	18.9 J	0.497 J	
TOTAL PCBs								***18.9 J***	0.854 J	
BDP12-1								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	6.07 J	19.4	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	14.6 J	24.8	
AROCLOR 1260	0.1	1	1	1	25	3.2	1	2.73 J	0.04 U	
TOTAL PCBs								***23.4 J***	***44.20***	
BDP13-1								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	2.86 J	0.039 U	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	9.35	7 ***J***	
TOTAL PCBs								***12.21 J***	***7 J***	
BDP14-1								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	5.74 J	0.037 U	
TOTAL PCBs								***5.74 J***		
BDP14-2								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	3.63 J	0.104 J	
TOTAL PCBs								***3.63 J***	0.104 J	
BDP15-1								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	37.6 J	20.1 ***J***	
TOTAL PCBs								***37.6 J***	***20.1 J***	

Table 2-3
PCBs Detected in OU1 Surface Soil above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (mg/kg)	Sample Depth		
								Sample Date		
								Units		
BDP15-2								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	16.4 J	13.1 ***J***	
							TOTAL PCBs	***16.4 J***	***13.10 J***	
BDP15-3								0-2"	2"-2'	
								10/22/2020	10/22/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	7.52	0.071 U	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	4.99	1.28	
							TOTAL PCBs	***12.51***	***1.28***	
BDP16-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	7.52	0.265 J	
							TOTAL PCBs	***7.52***	0.265 J	
BDP17-1								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	5.09 J	0.162 J	
							TOTAL PCBs	***5.09 J***	0.162 J	
BDP17-2								0-2"	2"-2'	
								10/21/2020	10/21/2020	
								mg/kg	mg/kg	
AROCLOR 1248	0.1	1	1	1	25	3.2	1	7.53 J	0.04 UJ	
AROCLOR 1254	0.1	1	1	1	25	3.2	1	16.1 J	0.0649 J	
							TOTAL PCBs	***23.63 J***	0.0649 J	

Notes:
J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
mg/kg = milligrams per kilogram
NS = Not Sampled
PCB = polychlorinated biphenyl
R = Data rejected by third-party validator.
SCOs = Soil Cleanup Objective
U = Indicates the analyte was analyzed for but not detected.
Bold indicates exceedance of the Residential, Commercial Use, CP-51 surface, and Protection of Ecological Resources SCOs
Yellow highlight indicates exceedance of the Industrial Use SCO
Blue font indicates exceedance above the Protection of Groundwater SCO
Sample depths are shown in inches (") and feet (').

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																	
A7								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/16/2013	11/12/2014	5/20/2015	10/17/2016	10/16/2013	10/14/2014	5/20/2015	10/18/2016	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.043 U	NS	NS	NS	U	NS	NS	NS	U	NS	NS	NS	NS	NS	U	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.11 J				26 J				0.13 UJ						0.14 U				
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.11 J				0.12 J				0.25 J						0.14 U				
							TOTAL PCBs	0.22 J				26.12 J				0.25 J										
A8								2"-2'	2"-2'	2"-2'	2"-2'															
								10/16/2013	11/12/2014	5/20/2015	10/17/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	55 U	NS	NS	NS															
							TOTAL PCBs	U																		
A9								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/16/2013	11/12/2014	5/20/2015	10/17/2016	10/16/2013	10/14/2014	5/20/2015	10/18/2016	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.9 J**	NS	NS	NS	**1.3 J**	NS	NS	NS	0.11 U	NS	NS	0.13 U	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	1.9 J				1.3 J														
A10								2"-2'	2"-2'	2"-2'	2"-2'															
								10/17/2013	11/12/2014	5/20/2015	10/17/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**2.3 J**	**3.3 J**	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	**2.3 J**	**1.2**																	
							TOTAL PCBs	4.6 J	4.5 J																	
B6								2"-2'	2"-2'	2"-2'	2"-2'															
								10/16/2013	11/12/2014	5/20/2015	10/17/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.12 U	NS	NS	NS															
							TOTAL PCBs	U																		
B7								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/16/2013	11/12/2014	5/20/2015	10/17/2016	10/16/2013	10/14/2014	5/20/2015	10/18/2016	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.33 J	NS	NS	NS	NS	NS	NS	NS	**1.3 J**	NS	NS	0.14 U	NS	NS	0.11 U	NS	NS	NS	NS
							TOTAL PCBs	0.33 J								1.3 J										
B10								2"-2'	2"-2'	2"-2'	2"-2'															
								10/18/2013	11/12/2014	5/20/2015	10/17/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1242	0.1	10	1	1	25	3.2	1	0.1 U	NS	NS	NS															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.24 U																		
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.24 U																		
							TOTAL PCBs																			
B11								2"-2'	2"-2'	2"-2'	2"-2'															
								10/18/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.7 J**	NS	NS	0.0524 J															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.3 J			0.0526 J															
							TOTAL PCBs	2 J			0.105 J															
B13								2"-2'	2"-2'	2"-2'	2"-2'															
								10/21/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**4.5 J**	NS	NS	0.0683 J															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	**1.2 J**			0.0039 U															
							TOTAL PCBs	5.7 J			0.0683 J															
B14								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	10/14/2014	5/20/2015	10/18/2016	10/16/2013	10/14/2014	5/20/2015	10/18/2016	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.4 J**	0.592 J	NS	0.715 J	NS	0.0039 U	NS	NS	NS	0.135 J	NS	NS	0.018 J	NS	NS	0.00043 U	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	25	1	0.41 J	R		0.00541 J		0.267				0.386			0.0026 J			0.0043 U			
							TOTAL PCBs	1.81 J	0.592 J		0.72041		0.267				0.521			0.0206 J						
C6								2"-2'	2"-2'	2"-2'	2"-2'															
								10/17/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.6 J**	NS	NS	0.233 J															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.86 J			0.004 U															
							TOTAL PCBs	2.46 J			0.237 J															

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units															
C9								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	0.085 UJ	NS	NS	NS	U	NS	NS	NS	U	NS	NS	U	NS	NS	U	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.3 J**				U				U			U			U				
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.2 UJ				0.41 J				0.85 J			0.14 U			0.15 U				
							TOTAL PCBs	1.3 J				0.41 J				0.85 J										
C10								2"-2'	2"-2'	2"-2'	2"-2'															
								10/17/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1242	0.1	10	1	1	25	3.2	1	0.63 J	NS	NS	NS															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**3.8 J**																		
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.7 J																		
							TOTAL PCBs	5.13 J																		
C11-SW								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/18/2013	11/12/2014	5/20/2015	10/18/2013	11/12/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	**7.8 J**	NS	NS	NS	0.044 U	NS	NS	NS	**24 J**	0.0026 J	NS	0.047 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**11 J**				0.11 U				**23 J**	0.0029 J		0.11 U							
							TOTAL PCBs	18.8 J								47 J	0.0055 J									
C12								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/18/2013	11/12/2015	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	**21 J**	13 U	NS	NS	U	NS	NS	NS	U	NS	NS	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1248	0.1	10	1	1	25	3.2	1	4.2 UJ	**44 J**			U				U			U							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**46 J**	**29 J**			33 J				0.55 U			0.14 U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1					12 UJ				**1.2 J**			0.14 U							
							TOTAL PCBs					33 J				1.2 J										
C13								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/21/2013	11/12/2014	5/20/2015	10/21/2013	11/12/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	U	NS	NS	NS	18 J	NS	NS	NS	NS	NS	0.0012 U	NS	NS	0.012 U	NS	NS	0.013 U	NS	NS
AROCLOR 1248	0.1	10	1	1	25	3.2	1	**29 J**				5.2 U						**1.06 J**			0.014 U			0.0015 U		
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**33 J**				**39 J**						**1.68 J**			**1.07 J**			0.0011 U		
AROCLOR 1260	0.1	10	1	1	25	3.2	1	6.7 UJ				13 U						0.635 J			**1.03 J**			0.505 J		
							TOTAL PCBs	62 J				57 J						3.375 J			***2.1 J***			0.505 J		
C14								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	**8.2 J**	NS	NS	NS	U	NS	NS	NS	U	NS	NS	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**11 J**				0.38 J				0.15 U			0.15 U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	**2.9 J**				U				U			U							
							TOTAL PCBs	22.1 J				0.38 J														
C15								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**6.7 J**	NS	NS	**1.11 J**	**4.3 J**	NS	NS	NS	0.17 U	NS	NS	0.13 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	**1.2 J**			0.134	0.56 J				0.17 U			0.13 U							
							TOTAL PCBs	7.9 J			7.9	4.86 J														
D4								2"-2'	2"-2'	2"-2'	2"-2'															
								10/17/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.98 J	NS	NS	NS															
							TOTAL PCBs	0.98 J																		
D6								2"-2'	2"-2'	2"-2'	2"-2'															
								10/17/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.17 J	NS	NS	NS															
							TOTAL PCBs	0.17 J																		
D7								2"-2'	2"-2'	2"-2'	2"-2'															
								10/17/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**10 J**	NS	NS	NS															
							TOTAL PCBs	10 J																		

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																		
D8-NE								10/18/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1242	0.1	10	1	1	25	3.2	1	7.1 J	NS	NS	NS															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	39 J																		
AROCLOR 1260	0.1	10	1	1	25	3.2	1	6.3 J																		
							TOTAL PCBs	52.4 J																		
D9								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	U	NS	NS	NS	0.14 J	NS	NS	NS	0.29 J	NS	NS	0.65 U	NS	NS	0.054 U	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	3.4 J				**2 J**				**1.9 J**			0.16 U			0.13 U				
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U				0.12 U				0.29 J			0.16 U			0.13 U				
							TOTAL PCBs	3.4 J				2.26 J				2.48 J										
D10								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	U	NS	NS	NS	0.26 J	NS	NS	NS	0.24 U	NS	NS	0.27 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	12 U				**4.5 J**				**2.3 J**			0.66 U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U				**2.6 J**				0.58 U			0.66 U							
							TOTAL PCBs					7.36 J				2.3 J										
D11								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	5 UJ	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	U	NS	NS	U	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	62 J				6.2 J							0.58 J			0.51 J				
AROCLOR 1260	0.1	10	1	1	25	3.2	1	12 UJ				U							U			U				
							TOTAL PCBs	62 J				6.2 J							0.58 J			0.51 J				
D11-NW								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	0.35 J	NS	NS	NS	**3.7 J**	NS	NS	NS	**1.7 J**	NS	NS	0.059 U	NS	NS	0.057 U	NS	NS	NS	NS
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.053 UJ				U				U			U			U				
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**2.8 J**				5.9 U				**4 J**			0.14 U			0.14 U				
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.47 J				5.9 U				0.58 J			0.14 U			0.14 U				
							TOTAL PCBs	3.62 J				3.7 J				6.28 J										
D11-SE								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/18/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	U	NS	NS	NS	0.54 J	NS	NS	NS	0.67 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	17 J				**2.5 J**				1 J										
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U				0.35 J				0.12 UJ										
							TOTAL PCBs	17 J				3.39 J				1.67 J										
D13								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1			U				24.2 J		0.063 U					0.015 U			0.0015 U		
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	NS	0.719 J	NS	NS	NS	11.1 J	NS	0.15 U	NS	NS	NS	NS	0.031 J	NS	NS	0.0011 U	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1			0.0687 J				**1.22 J**		0.15 U					0.0047 J			0.0006 U		
							TOTAL PCBs			0.7877 J				36.52 J							0.0357 J					
D14-NW								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**11 J**	NS	NS	NS	**7600 J**	**700 J**	NS	NS	**5.9 J**	NS	NS	0.14 U	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	11 J				7600 J	700 J			5.9 J										
D14-NW-1								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	NS	NS	NS	NS	NS	NS	**27.7 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs								27.7 J											
D14-NW-2								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	NS	NS	NS	NS	NS	NS	**7.11 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1								**1.04 J**											
							TOTAL PCBs								8.15 J											
D14-NW-3								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units														
AROCLOR 1248	0.1	10	1	1	25	3.2	1	NS	NS	NS	NS	NS	NS	NS	9.56 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1								28.2 J									
TOTAL PCBs															37.76 J									
D14-NW-4								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	NS	NS	NS	NS	NS	NS	40.5 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1								1.41 J											
TOTAL PCBs															41.91 J											
D14-SE								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	13 J	NS	NS	NS	**2.6 J**	NS	NS	NS	0.15 U	NS	NS	0.15 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	1.2 U				U				U			U							
TOTAL PCBs								13 J				2.6 J														
D15								2"-2'	2"-2'	2"-2'	2"-2'															
								10/21/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1248	0.1	1	1	1	25	3.2	1	0.39 U	NS	NS	0.037 U															
AROCLOR 1254	0.1	1	1	1	25	3.2	1	0.94 U			0.325 J															
AROCLOR 1260	0.1	1	1	1	25	3.2	1	0.94 U			0.0387 J															
TOTAL PCBs											0.3637 J															
E1								2"-2'	2"-2'	2"-2'	2"-2'	0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'							
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	11/12/2014	5/20/2015	10/18/2016							
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.11 U	NS	NS	NS	0.36 J	NS	NS	NS	0.11 U	NS	NS	NS							
TOTAL PCBs												0.36 J														
E2								2"-2'	2"-2'	2"-2'	2"-2'	0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'							
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	11/12/2014	5/20/2015	10/18/2016							
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.55 J	NS	NS	NS	0.15 U	NS	NS	NS	0.55 J	NS	NS	NS							
TOTAL PCBs								0.55 J				U				0.55 J										
E3								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	10/14/2014	5/20/2015	10/17/2016	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	U	NS	NS	NS	NS	NS	NS	NS	0.52 J	NS	NS	0.14 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.43 J								0.18 J			0.14 U							
TOTAL PCBs								0.43 J								0.7 J										
E4								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.77 J	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.63 J																		
TOTAL PCBs								1.4 J																		
E5								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	10/14/2014	5/20/2015	10/17/2016	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.048 U	NS	0.0016 U	NS	NS	NS	U	NS	NS	NS	U	NS	NS	U	NS	NS	U	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.12 U		0.0504 J				0.149 J				0.292 J			0.0011 U			0.0011 U		
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.12 U		0.0315 J				0.0579 J				0.143 J			0.0006 U			0.0006 U		
TOTAL PCBs														0.2069 J				0.435 J								
E6								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	**2.2 J**	NS	NS	NS	0.053 U	NS	NS	NS	0.31 J	NS	NS	0.05 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.1 UJ				U				U			U							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	3.9 J				0.13 U				0.68 J			0.12 U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.97 J				U				U			U							
TOTAL PCBs								7.07 J								0.99 J										

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																
E7								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	**6 J**	NS	NS	NS	U	NS	NS	NS	U	NS	NS	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.26 UJ				0.99 J				0.13 J			0.13 U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.5 J				0.31 J				0.13 UJ			0.13 U							
TOTAL PCBs								6.5 J				1.3 J				0.13 J										
E8								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.14 U	NS	NS	NS															
TOTAL PCBs																										
E9								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**11 J**	NS	NS	NS															
TOTAL PCBs								11 J																		
E10								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.5 J**	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.42 J																		
TOTAL PCBs								1.92 J																		
E11								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/17/2016	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.11 U	NS	NS	NS	0.14 U	NS	NS	NS	NS	NS	NS	0.78 J	NS	NS	0.13 U	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.13 J																		
TOTAL PCBs								0.13 J											0.78 J							
E12								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	11/12/2014	5/20/2015	10/17/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1		NS	NS	NS	0.051 UJ	R	NS	NS	0.24 J	NS	NS	0.057 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1248	0.1	10	1	1	25	3.2	1					**2.7 J**	R			0.048 UJ			0.057 U							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.5 U				**2.8 J**	0.1 J			0.49 J			0.14 U							
TOTAL PCBs												5.5 J	0.1 J			0.73 J										
E13								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/17/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.1 J**	NS	NS	NS	**1.3 J**	NS	NS	NS	0.11 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs								1.1 J				1.3 J														
E14								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.098 U	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.098 U																		
TOTAL PCBs																										
E14-SE								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.99 U	NS	NS	NS															
TOTAL PCBs																										
E15								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/17/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.51 U	NS	NS	NS	0.34 J	NS	NS	NS	0.12 U	NS	NS	0.1 U	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs												0.34 J														
F1								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.78 J	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.31 J																		
TOTAL PCBs								1.09 J																		

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																
F2								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	10/14/2014	5/20/2015	10/17/2016	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.35 J	NS	NS	NS	U	NS	NS	NS	U	NS	NS	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1					0.12 U				2 J			0.1 U							
TOTAL PCBs								0.35 J								2 J										
F5								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	3.8 J	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.79 J																		
TOTAL PCBs								4.59 J																		
F6								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	7 J	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	**1.5 J**																		
TOTAL PCBs								8.5 J																		
F7								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.12 U	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	3.6 J																		
TOTAL PCBs								3.6 J																		
F8								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	50 J	NS	NS	NS	0.43 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs								50 J				0.43 J														
F9								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	83 J	NS	NS	NS	0.53 J	NS	NS	NS	0.12 U	NS	NS	0.15 U	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs								83 J				0.53 J														
F10								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.99 J	NS	NS	NS	NS	NS	0.18 J	NS	NS	NS	0.0579 J	NS	NS	0.0197 J	NS	NS	0.0032 J	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.12 U						0.33 J				0.0158 J			0.0036 J			0.0006 U		
TOTAL PCBs								0.99 J						0.51 J				0.0737 J			0.0233 J			0.0032 J		
F11								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	9.1 J	NS	NS	NS															
TOTAL PCBs								9.1 J																		
F12								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/17/2016	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.12 U	NS	NS	NS	U	NS	NS	NS	U	NS	NS	U	NS	NS	U	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U				0.13 U				0.25 J			0.13 U			0.15 U				
TOTAL PCBs																0.25 J										
F13								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	1.2 U	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	1.2 U																		
TOTAL PCBs																										
F14								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/18/2013	10/14/2014	5/20/2015	10/17/2016	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	U	U	U	U	**2.3 J**	NS	NS	NS	0.11 U	NS	NS	0.11 U	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs												2.3 J														

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																		
G1								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1242	0.1	10	1	1	25	3.2	1	0.51 J	NS	NS	NS															
TOTAL PCBs								0.51 J																		
G2								2"-2'	2"-2'	2"-2'	2"-2'															
								10/24/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**2.8 J**	0.54 J	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	**2.9 J**	0.3 U																	
TOTAL PCBs								5.7 J	0.54 J																	
G3								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	10/14/2014	5/20/2015	10/17/2016	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.47 J	NS	NS	NS	NS	NS	NS	NS	**1.1 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1									0.93 J										
TOTAL PCBs								0.47 J								2.03 J										
G4								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	10/14/2014	5/20/2015	10/17/2016	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	U	NS	NS	NS	NS	NS	NS	NS	0.67 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.4 J**								0.88 J										
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.16 U								U										
TOTAL PCBs								1.4 J								1.55 J										
G5								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	10/14/2014	5/20/2015	10/17/2016	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	U	NS	NS	NS	NS	NS	0.155 J	NS	NS	NS	1.92 J	NS	NS	R	NS	NS	R	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.1 J**						0.325 J				**2.11 J**			**1.01 J**			R		
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.31 J						0.107 J				0.723 J			0.156 J			R		
TOTAL PCBs								1.41 J						0.587 J				4.753 J			***1.166 J***					
G6								2"-2'	2"-2'	2"-2'	2"-2'															
								10/22/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.11 U	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.11 U																		
TOTAL PCBs																										
G7								2"-2'	2"-2'	2"-2'	2"-2'															
								10/22/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	6.9 J	NS	NS	NS															
TOTAL PCBs								6.9 J																		
G8								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.53 J	NS	NS	NS	0.16 J	NS	NS	NS	0.14 J	NS	NS	0.1 U	NS	NS	NS	0.0011 U	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.21 J				0.27 J				0.11 J			0.1 U				0.0006 U			
TOTAL PCBs								0.74 J				0.43 J				0.25 J										
G9								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	9.4 J	NS	NS	NS	0.13 UJ	NS	NS	NS	0.43 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U				0.25 J				0.17 U										
TOTAL PCBs								9.4 J				0.25 J				0.43 J										
G10								2"-2'	2"-2'	2"-2'	2"-2'															
								10/21/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	10 J	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	5.8 J																		
TOTAL PCBs								15.8 J																		
G11								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	3.3 J	NS	NS	NS	12 J	NS	NS	NS	0.14 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.98 J				**2.7 J**				0.14 U										
TOTAL PCBs								4.28 J				14.7 J														
G12								2"-2'	2"-2'	2"-2'	2"-2'															
								10/21/2013	11/12/2014	5/20/2015	10/18/2016															

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																		
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	4.2 J	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	1.2 U																		
TOTAL PCBs								4.2 J																		
G13								2"-2'	2"-2'	2"-2'	2"-2'															
								10/21/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	1.2 UJ	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	**2.6 J**																		
TOTAL PCBs								2.6 J																		
H2								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	5.5 J	NS	NS	NS	NS	NS	0.364 J	NS	NS	NS	0.0298 J	NS	NS	0.0555 J	NS	NS	0.0014 U	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.18 U						0.242 J				0.008 U			0.0298 J			0.116 J		
TOTAL PCBs								5.5 J						0.606 J				0.0298 J			0.0853 J			0.116 J		
H3								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	10/14/2014	10/14/2014	10/17/2016	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	10/14/2014	10/23/2013	10/14/2014	#########	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.5 J	NS	NS	NS	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.65 J								0.52 J										
TOTAL PCBs								1.15 J								0.52 J										
H4								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	10/14/2014	5/20/2015	10/17/2016	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.92 J	NS	NS	NS	NS	NS	NS	NS	0.97 J	NS	NS	0.14 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.88 J								0.75 J			0.14 U							
TOTAL PCBs								1.8 J								1.72 J										
H5								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	10/14/2014	5/20/2015	10/17/2016	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	1.4 U	NS	NS	NS	0.68 J	NS	NS	NS	0.16 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U				0.3 J				0.16 U										
TOTAL PCBs												0.98 J														
H6								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	0.15 J	NS	NS	NS	NS	NS	NS	NS	0.4 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.21 J								**1.1 J**										
AROCLOR 1260	0.1	10	1	1	25	3.2	1									0.73 J										
TOTAL PCBs								0.36 J								2.23 J										
H7								2"-2'	2"-2'	2"-2'	2"-2'															
								10/23/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.28 J	NS	NS	NS															
TOTAL PCBs								0.28 J																		
H8								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	10/14/2014	5/20/2015	10/17/2016	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	2.2 U	NS	NS	NS															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	37 J				1.8 J	NS	NS	NS	0.13 U	NS	NS	0.27 J	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	5.3 U				0.41 J				0.13 U			0.11 U							
TOTAL PCBs								37 J				2.21 J							0.27 J							
H10								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/23/2013	11/12/2014	5/20/2015	10/18/2016	10/23/2013	10/14/2014	5/20/2015	10/17/2016	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.44 J	NS	NS	NS	U	NS	NS	NS	U	NS	NS	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.48 J				3.4 J				0.16 U			0.14 U							
TOTAL PCBs								0.92 J				3.4 J														

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																
H11								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/24/2013	11/12/2014	5/20/2015	10/18/2016	10/24/2013	10/14/2014	5/20/2015	10/17/2016	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	9.4 J	NS	NS	NS	NS	NS	NS	NS	0.58 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	4.4 J								0.46 J										
TOTAL PCBs								13.8 J								1.04 J										
H12								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	7.8 J	NS	NS	NS	NS	NS	NS	NS	4.7 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	**2.5 J**																		
TOTAL PCBs								10.3 J								4.7 J										
H13								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/21/2013	11/12/2014	5/20/2015	10/18/2016	10/21/2013	10/14/2014	5/20/2015	10/17/2016	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.12 U	NS	NS	NS	U	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U				4.7				0.57 U										
TOTAL PCBs												4.7														
I1								2"-2'	2"-2'	2"-2'	2"-2'															
								10/23/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1242	0.1	10	1	1	25	3.2	1	0.046 U	NS	NS	NS															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.11 U																		
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.11 U																		
TOTAL PCBs																										
I2								2"-2'	2"-2'	2"-2'	2"-2'															
								10/232013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.5 J**	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.67 J																		
TOTAL PCBs								2.17 J																		
I3								2"-2'	2"-2'	2"-2'	2"-2'															
								10/232013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.59 J	NS	NS	NS															
TOTAL PCBs								0.59 J																		
I4								2"-2'	2"-2'	2"-2'	2"-2'															
								10/232013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.75 J	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.25 J																		
TOTAL PCBs								1 J																		
I5								2"-2'	2"-2'	2"-2'	2"-2'															
								10/232013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.58 J	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.14 U																		
TOTAL PCBs								0.58 J																		
I6								2"-2'	2"-2'	2"-2'	2"-2'															
								10/232013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.1 J**	NS	NS	NS															
TOTAL PCBs								1.1 J																		
I7								2"-2'	2"-2'	2"-2'	2"-2'															
								10/232013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	120 J	NS	NS	NS															
TOTAL PCBs								120 J																		
I8								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	85 J	NS	NS	NS	41 J	NS	NS	NS	0.26 J	NS	NS	1 J	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	12 J																		
TOTAL PCBs								97 J				41 J				0.26 J			1 J							

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																		
I9								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016	10/22/2013	11/12/2014	5/20/2015	10/22/2013	11/12/2014	5/20/2015	10/22/2013	11/12/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	2.2 UJ	NS	NS	NS	NS	NS	NS	NS	U	NS	NS		U	NS	NS	NS	NS	NS	NS
AROCLOR 1248	0.1	10	1	1	25	3.2	1	**58 J**								0.046 UJ			R	**5.1 J**						
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**69 J**								**1.9 J**			**1.7 J**	**10 J**						
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U								0.32 J			0.32 J	0.29 U						
							TOTAL PCBs	127 J								2.22 J			2.02 J	15.1 J						
I10								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	11/12/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	0.84 UJ	NS	NS	NS	U	U	NS	NS	U	NS	NS	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1248	0.1	10	1	1	25	3.2	1	**23 J**				3.5 J	27 J			0.4 U			0.39 U							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**23 J**				**4 J**	**25 J**			0.43 J			0.94 U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U				0.65 J	5.5 U			0.097 U			0.94 U							
							TOTAL PCBs	46 J				8.15 J	52 J			0.43 J										
I11								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.13 U	NS	NS	NS	NS	NS	NS	NS	**5.5 J**	NS	NS	1.2 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U								0.1 U			**1.4 J**							
							TOTAL PCBs									5.5 J			1.4 J							
I12								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	U	U	U	U	0.094 U	NS	NS	NS	0.11 U	NS	NS	0.23 J	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs												0.23 J							
I13								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2016
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.11 U	NS	NS	NS	0.11 U	NS	NS	NS	0.35 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.11 U				U				U										
							TOTAL PCBs									0.35 J										
BLG-1								2"-2'	2"-2'	2"-2'	2"-2'															
								10/17/2013	11/12/2014	11/12/2014	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.53 J	NS	NS	NS															
							TOTAL PCBs	0.53 J																		
BLG-2								2"-2'	2"-2'	2"-2'	2"-2'															
								10/16/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**2.4 J**	NS	NS	NS															
							TOTAL PCBs	2.4 J																		
BLG-3								2"-2'	2"-2'	2"-2'	2"-2'															
								10/16/2013	11/12/2014	5/20/2015	10/18/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.5 J	NS	NS	NS															
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.27 J																		
							TOTAL PCBs	0.77 J																		
BLG-4								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	4.3 U	NS	NS	NS	0.43 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs					0.43 J														
BLG-5								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/18/2016	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/17/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.63 J	NS	NS	NS	0.34 J	NS	NS	NS	NS	NS	NS	0.11 U	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	0.63 J				0.34 J														
BM-4								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	U	U	U	U	**4 J**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	U	U	U	0.49 J														
							TOTAL PCBs					4.49 J														

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																
BM-5								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	U	U	U	U	0.63 J	NS	NS	NS	1.5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs												0.63 J														
BM-7								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	U	U	U	0.13 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs												0.13 J														
BM-8								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	U	U	U	U	0.3 J	NS	NS	NS	NS	NS	NS	0.15 U	NS	NS	0.14 U	NS	NS	0.11 U	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	U	U	U	0.32 J							0.15 U			0.14 U			0.11 U	
TOTAL PCBs												0.62 J														
BM-9								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	U	U	U	U	0.14 U	NS	NS	NS	0.76 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs																0.76 J										
BM-10								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/18/2016	10/25/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	U	U	U	U	16 J	NS	NS	NS	0.04 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1					48 J				0.096 U										
TOTAL PCBs												64 J														
PZ-10								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/17/2013	11/12/2014	5/20/2015	10/18/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	U	U	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0185
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U		U	U	U														0.0049 J
TOTAL PCBs																										0.0234
SL-2								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/17/2016	10/22/2013	10/15/2014	5/20/2015	10/17/2016	10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/15/2014	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	NS	NS	NS	NS	NS	6.56 J	NS	NS	NS	0.042 U	NS	NS	NS	NS	0.0042 U	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1						13.5 J				0.0054 J					0.0042 U				
AROCLOR 1260	0.1	10	1	1	25	3.2	1						2.12 J				0.0042 U					0.0042 U				
TOTAL PCBs													22.18 J				0.0054 J									
SL-4								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/17/2016	10/22/2013	10/15/2014	5/20/2015	10/17/2016	10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	U	U	U	U	NS	0.188 J	NS	NS	NS	0.0042 U	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs													0.188 J													
SL-6								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/17/2016	10/22/2013	10/15/2014	5/20/2015	10/17/2016	10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	NS	NS	NS	NS	NS	0.866 J	NS	NS	NS	169 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1						0.403 J				0.0017 U									
AROCLOR 1260	0.1	10	1	1	25	3.2	1						0.114 J				0.0015 U									
TOTAL PCBs													1.383 J				169 J									
SL-7								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1242	0.1	10	1	1	25	3.2	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0016 U	NS	NS	0.194 J	NS	NS	NS	NS	NS	NS
AROCLOR 1248	0.1	10	1	1	25	3.2	1										15.7 J			0.0017 U						
AROCLOR 1254	0.1	10	1	1	25	3.2	1										14.5 J			0.0178 J						
AROCLOR 1260	0.1	10	1	1	25	3.2	1										1.62 J			0.0017 U						
TOTAL PCBs																	31.82 J			0.2118 J						
SL-8								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	11/12/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.135 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOTAL PCBs																	0.135 J									

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																		
SL-11								2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg	2'-4' 10/22/2013 mg/kg	2'-4' 10/14/2014 mg/kg	2'-4' 5/20/2015 mg/kg	2'-4' 10/17/2016 mg/kg	4'-6' 10/22/2013 mg/kg	4'-6' 10/14/2014 mg/kg	4'-6' 5/20/2015 mg/kg	6'-8' 10/22/2013 mg/kg	6'-8' 10/14/2014 mg/kg	6'-8' 5/20/2015 mg/kg	8'-10' 10/22/2013 mg/kg	8'-10' 10/14/2014 mg/kg	8'-10' 5/20/2015 mg/kg	10'-12' 10/25/2013 mg/kg	17'-19' 2/10/2019 mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.135 J	NS	NS	0.0076 J	NS	NS	NS	NS	NS	NS
TOTAL PCBs																	0.135 J			0.0076 J						
SL6-1								2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg																
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	NS	NS	6.47 J															
AROCLOR 1260	0.1	10	1	1	25	3.2	1				0.883 J															
TOTAL PCBs											7.353 J															
SL6-2								2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg																
AROCLOR 1242	0.1	10	1	1	25	3.2	1	NS	NS	NS	275 J															
AROCLOR 1254	0.1	10	1	1	25	3.2	1				130 J															
TOTAL PCBs											405 J															
SL6-3								2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg																
AROCLOR 1242	0.1	10	1	1	25	3.2	1	NS	NS	NS	0.036 U															
AROCLOR 1248	0.1	10	1	1	25	3.2	1				24.7 J															
AROCLOR 1254	0.1	10	1	1	25	3.2	1				27.6 J															
TOTAL PCBs											52.3 J															
SL7-1								2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg																
AROCLOR 1248	0.1	10	1	1	25	3.2	1	NS	NS	NS	4.21 J															
AROCLOR 1254	0.1	10	1	1	25	3.2	1				8.38 J															
TOTAL PCBs											12.59 J															
SL7-2								2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg																
AROCLOR 1242	0.1	10	1	1	25	3.2	1	NS	NS	NS	0.033 U															
AROCLOR 1254	0.1	10	1	1	25	3.2	1				4.13 J															
TOTAL PCBs											4.13 J															
SL7-3								2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg																
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	NS	NS	61.6 J															
TOTAL PCBs											61.6 J															
SL7-4								2"-2' 10/22/2013 mg/kg	2"-2' 11/12/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg																
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	NS	NS	0.429 J															
AROCLOR 1260	0.1	10	1	1	25	3.2	1				0.125 J															
TOTAL PCBs											0.4554 J															
VS-1								2"-2' 10/22/2013 mg/kg	2"-2' 10/15/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg	2'-4' 10/22/2013 mg/kg	2'-4' 10/14/2014 mg/kg	2'-4' 5/20/2015 mg/kg	2'-4' 10/17/2016 mg/kg	4'-6' 10/22/2013 mg/kg	4'-6' 10/14/2014 mg/kg	4'-6' 5/20/2015 mg/kg	6'-8' 10/22/2013 mg/kg	6'-8' 10/14/2014 mg/kg	6'-8' 5/20/2015 mg/kg	8'-10' 10/22/2013 mg/kg	8'-10' 10/14/2014 mg/kg	8'-10' 5/20/2015 mg/kg	10'-12' 10/25/2013 mg/kg	17'-19' 2/10/2019 mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	NS	**2.13 J**	NS	NS	NS	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1		**4.62 J**								0.383 J									
AROCLOR 1260	0.1	10	1	1	25	3.2	1		**1.36 J**								U									
TOTAL PCBs									8.11 J								0.383 J									
VS-2								2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 5/20/2015 mg/kg	2"-2' 10/17/2016 mg/kg	2'-4' 10/22/2013 mg/kg	2'-4' 10/14/2014 mg/kg	2'-4' 5/20/2015 mg/kg	2'-4' 10/17/2016 mg/kg	4'-6' 10/22/2013 mg/kg	4'-6' 10/14/2014 mg/kg	4'-6' 5/20/2015 mg/kg	6'-8' 10/22/2013 mg/kg	6'-8' 10/14/2014 mg/kg	6'-8' 5/20/2015 mg/kg	8'-10' 10/22/2013 mg/kg	8'-10' 10/14/2014 mg/kg	8'-10' 5/20/2015 mg/kg	10'-12' 10/25/2013 mg/kg	17'-19' 2/10/2019 mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	0.693 J	NS	NS	NS	0.139 J	NS	NS	NS	0.114 J	NS	NS	0.0037 U	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.188 J				0.22 J				0.0038 U			0.0037 U						
TOTAL PCBs									0.881 J				0.359 J				0.114 J									

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units																		
VS-3								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	NS	0.565 J	NS	NS	NS	NS	NS	NS	NS	0.119 J	NS	NS	0.0044 U	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1		**1.25 J**								0.315 J			0.0044 U						
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.255 J								U			U						
							TOTAL PCBs		2.07 J								0.434 J									
VS-4								2"-2'	2"-2'	2"-2'	2"-2'															
								10/22/2013	10/14/2014	5/20/2015	10/17/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1248	0.1	10	1	1	25	3.2	1	NS	0.388 J	NS	NS															
AROCLOR 1254	0.1	10	1	1	25	3.2	1		0.721 J																	
							TOTAL PCBs		1.109 J																	
VS-5								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	0.764 J	NS	NS	NS	0.0547 J	NS	NS	NS	**2.42 J**	NS	NS	0.0043 U	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.13 J				0.0171 J				0.35 J			0.0043 U						
							TOTAL PCBs		0.894 J				0.0718 J				2.77 J									
VS-6								2"-2'	2"-2'	2"-2'	2"-2'															
								10/22/2013	10/14/2014	5/20/2015	10/17/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1248	0.1	10	1	1	25	3.2	1	NS	0.0036 U	NS	NS															
AROCLOR 1254	0.1	10	1	1	25	3.2	1		**1.93 J**																	
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.342 J																	
							TOTAL PCBs		2.25 J																	
VS-7								2"-2'	2"-2'	2"-2'	2"-2'															
								10/22/2013	10/14/2014	5/20/2015	10/17/2016															
								mg/kg	mg/kg	mg/kg	mg/kg															
AROCLOR 1248	0.1	10	1	1	25	3.2	1	NS	**2.32 J**	NS	NS															
AROCLOR 1254	0.1	10	1	1	25	3.2	1		**5.01 J**																	
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.746 J																	
							TOTAL PCBs		8.076 J																	
VS-8								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	NS	**2.61 J**	NS	NS	NS	NS	NS	NS	NS	0.428 J	NS	NS	NS	NS	NS	NS	NS	NS	
							TOTAL PCBs		2.61 J								0.428 J									
VS-9								2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'	10'-12'	17'-19'
								10/22/2013	10/15/2014	5/20/2015	10/17/2016	10/22/2013	10/14/2014	5/20/2015	10/17/2016	10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	2/10/2019
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	NS	**5.53 J**	NS	NS	NS	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1		**11.9 J**								0.195 J									
AROCLOR 1260	0.1	10	1	1	25	3.2	1		**3.13 J**								U									
							TOTAL PCBs		20.56 J								0.195 J									
BBERM-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'							
								9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020							
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg							
AROCLOR 1248	0.1	10	1	1	25	3.2	1	**1.7 J**	0.039 U	**1.03**	**270 J**	0.045 U	NS	NS	NS	NS	NS	NS	NS							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**5.47 J**	**3.98**	0.907	0.038 U	0.0045 U														
							TOTAL PCBs	7.17 J	3.98	1.937	270 J															
BBERM-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'							
								9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020							
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**25.9 J**	0.248 J	**1.94**	0.04 U	0.043 U	NS	NS	NS	NS	NS	NS	NS							
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.038 U	0.037 U	0.04 U	0.656														
							TOTAL PCBs	25.9 J	0.248 J	1.94		0.656														
BBERM-3								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'							
								09/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020							
								0.167-2	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg							
AROCLOR 1248	0.1	10	1	1	25	3.2	1	**35.5 J**	**98 J**	**48.8 J**	0.043 U	**35.2 J**	0.045 U	0.052 U	NS	NS	NS	NS	NS							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**31.4 J**	**63.3 J**	**65.3 J**	0.156	**33.2 J**	0.045 U	0.052 U												
							TOTAL PCBs	66.9 J	161.3 J	114.1 J	0.156	68.4 J														

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units										
BBERM-4								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								09/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020
								0.167-2	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	94 J	530 J	122 J	30.4 J	0.042 U	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	94 J	530 J	122 J	30.4 J								
BBERM-5								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	95.5 J	188 J	60.6 J	0.0537 J	0.0223 J	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	95.5 J	188 J	60.6 J	0.0537	0.0223							
BBERM-6								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	49.1 J	0.04 UJ	0.041 UJ	**1.42 J**	0.044 UJ	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	86.4 J	542 J	33.8 J	**2.46 J**	0.323 J							
							TOTAL PCBs	135.5 J	542 J	33.8 J	3.88 J	0.323 J							
BBERM-7								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020	9/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	24.1 J	0.04 UJ	0.037 UJ	0.04 UJ	0.179 J	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	36.8 J	1160 J	413 J	85.3 J	0.477 J							
							TOTAL PCBs	60.9 J	1160 J	413 J	85.3 J	0.656 J							
BBERM-8								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	6.71	4870 J	537 J	328	0.924	0.211	0.039 U	0.175	0.161	0.0578	NS	NS
							TOTAL PCBs	6.71	4870 J	537 J	328	0.924	0.211		0.175	0.161	0.0578		
BBERM-9								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.038 U											
AROCLOR 1254	0.1	10	1	1	25	3.2	1	84.9	129	107	125 J	0.874	0.0369 J	0.0511	0.0298 J	0.0786	0.047 U	NS	NS
							TOTAL PCBs	84.9	129	107	125 J	0.874	0.0369 J	0.0511	0.0298 J	0.0789			
BBERM-10								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	14.4	27.4	0.04 U	0.043 U	0.05 U	0.046 U	0.041 UJ	0.043 U	0.041 U	0.042 U	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	25.7	48.9	1080	27.9	0.123	**1.22**	0.0378 J	0.971	0.041 U	0.042 U		
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.038 U	0.04 U	0.043 U	0.406	0.046 U	0.043 U	0.043 U	0.041 U	0.042 U		
							TOTAL PCBs	40.1	76.3	1080	27.9	0.529	1.22	0.0378 J					
BBERM-11								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/24/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020	9/23/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	33.1	22.5	10.5	0.188	0.043 U	0.043 UJ	0.044 UJ	0.039 UJ	0.041 U	0.042 U	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	23.1	43.2	23.8	0.264	0.128 J	51.5 J	0.044 UJ	0.264 J	0.0407 J	0.042 U		
							TOTAL PCBs	56.2	65.7	34.3	0.452	0.128 J	51.5 J		0.264 J	0.0407 J			
BBERM-12								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	39.8 J	400 J	27.6 J	0.116 J	0.038 U	0.839 J	0.155 J	0.0344 J	0.04 UJ	0.134 J	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.034 UJ	0.037 UJ	0.0956 J	0.038 U	0.045 UJ	0.039 UJ	0.041 U	0.04 UJ	0.041 UJ		
							TOTAL PCBs	39.8 J	400 J	27.6 J	0.2116 J	0.839 J	0.155 J	0.134 J	0.0344 J		0.134 J		
BBERM-13								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	20.6	U	U	U	U	U	U	U	U	U	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	39.2	554 J	18	0.0663 J	0.042 U	0.043 U	0.04 U	0.04 U	0.039 U	0.043 U		
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.034 U	0.037 U	0.217	0.042 U	0.043 U	0.04 U	0.04 U	0.039 U	0.043 U		
							TOTAL PCBs	59.8			0.2833								
BBERM-14								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	19.6	U	U	U	U	U	U	U	U	U	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	21.8	657	5.13	**1.31**	0.062	0.041 U	0.0352 J	0.039 UJ	0.041 UJ	0.043 UJ		
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.037 U	0.037 U	**1.04**	0.0514	0.041 U	0.036 U	0.039 UJ	0.041 UJ	0.043 UJ		
							TOTAL PCBs	41.4	657	5.13	2.35	0.1134		0.0352 J					
BBERM-15								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020	9/24/2020

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units											
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	15 J	0.204 J	0.04 UJ	0.042 UJ	0.05 UJ	0.039 UJ	0.039 UJ	0.043 UJ	0.039 UJ			
AROCLOR 1254	0.1	10	1	1	25	3.2	1	28.4 J	0.537 J	0.741 J	0.239 J	0.05 UJ	0.724 J	0.042 UJ	0.043 UJ	0.115 J			
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.035 UJ	0.04 UJ	0.042 UJ	**2.31 J**	0.349 J	0.042 UJ	0.043 UJ	0.039 UJ	NS	NS	NS
AROCLOR 1242	0.1	10	1	1	25	3.2	1		0.035 UJ	**1.66 J**	0.042 UJ	0.05 UJ	0.039 UJ	0.042 UJ	0.043 UJ	0.039 UJ			
AROCLOR 1262	0.1	10	1	1	25	3.2	1		0.035 UJ	0.172 J	0.0686 J	0.05 UJ	0.039 UJ	0.042 UJ	0.043 UJ	0.039 UJ			
							TOTAL PCBs	43.4 J	0.741 J	2.573 J	0.3076 J	2.31 J	1.073 J			0.115 J			
BBERM-16								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	15.6 J	U	U	U	U							
AROCLOR 1254	0.1	10	1	1	25	3.2	1	26.7 J	395 J	3.98 J	0.041 U	0.043 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.035 UJ	0.038 UJ	0.041 U	0.749							
							TOTAL PCBs	42.3 J	395 J	3.98 J		0.749							
BBERM-17								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	46.1 J	30.1 J	8.49	0.047 U	0.041 U	0.04 UJ	0.039 U					
AROCLOR 1254	0.1	10	1	1	25	3.2	1	88 J	51.3	13	0.457	0.0438 J	0.04 UJ	0.039 U	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.038 U	0.046 U	0.296	0.124 J							
							TOTAL PCBs	134.1 J	81.4 J	21.49	0.753	0.1678 J							
BBERM-18								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	21.9	5.07 J	5.44	6.23	3.66 J	0.038 UJ	0.043 UJ					
AROCLOR 1254	0.1	10	1	1	25	3.2	1	36.1	6.23 J	8.86	9.52	6.65 J	0.0226 J	0.043 UJ	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		**1.42 J**	0.04 U	**1.53**	**1.69 J**	0.0205 J	0.043 UJ					
							TOTAL PCBs	58	12.72 J	14.3	17.28	12 J	0.0431 J						
BBERM-19								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	35.2	38.1 J	0.047 U	0.039 U	0.041 U	0.043 UJ	0.042 UJ					
AROCLOR 1254	0.1	10	1	1	25	3.2	1	47.4	60.2 J	27.4 J	**1.39**	**1.01 J**	0.043 UJ	0.0392 J	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.038 U	0.047 U	0.297	**1.61 J**	0.043 UJ	0.042 UJ					
							TOTAL PCBs	82.6	98.3 J	27.4 J	1.687	2.62 J		0.0392 J					
BBERM-20								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								9/23/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	24.7 J	21.9 J	0.038 UJ	0.042 UJ	0.042 UJ	0.046 UJ	0.041 UJ					
AROCLOR 1254	0.1	10	1	1	25	3.2	1	47.4 J	36.6 J	79.5 J	0.826 J	**1.37 J**	0.375 J	0.0604 J	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.038 UJ	0.038 UJ	0.042 UJ	0.042 UJ	0.548 J	0.041 UJ					
							TOTAL PCBs	72.1 J	58.5 J	79.5 J	0.826	1.37 J	0.923 J	0.0604 J					
BDP1-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.591 J	0.0741	0.126	0.115	0.042 U	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	0.591 J	0.0741	0.126	0.115								
BDP2-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	7.02	**1.76**	0.0871	0.046 U	0.047 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	U	U	U	U							
							TOTAL PCBs	7.02	1.76	0.0871									
BDP2-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.24**	0.105	0.038 U	0.039 U	0.043 U							
AROCLOR 1242	0.1	1	1	1	25	3.2	1	0.788 J					NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.291	0.038 U	0.039 U	0.043 U							
							TOTAL PCBs	2.028 J	0.396										

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units											
BDP3-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.04 UJ	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.244 J	0.136 J	0.186	0.0203 J	0.042 U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.179 J	0.039 U	0.199 J	0.038 U	0.042 U							
							TOTAL PCBs	0.423 J	0.136 J	0.385 J	0.0203 J								
BDP3-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	9.85	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	14.2	0.036 U	0.062 J	4.55	0.047 U							
							TOTAL PCBs	24.05		0.062 J	4.55								
BDP4-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.039 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs												
BDP4-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	4.41	**2.8 J**	0.109 J	0.326 J	0.046 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		**1.33 J**	0.043 U	0.044 U	0.041 U							
							TOTAL PCBs	4.41	4.13 J	0.109 J	0.326								
BDP5-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1		0.039 U	0.066 U	0.049 U	0.316 J	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.042 U	U	U	U	U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.0289 J	0.066 U	4.18	0.295							
AROCLOR 1242	0.1	10	1	1	25	3.2	1		0.039 U	**1.75**	0.049 U	0.049 U							
							TOTAL PCBs		0.0289 J	1.75	4.18	0.611 J							
BDP6-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	62.9	28.5	0.325 J	0.037 U	0.053 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	0.037 U	0.164 J	0.037 U	0.053 U							
							TOTAL PCBs	62.9	28.5	0.489 J									
BDP7-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	U	0.8 J	0.664 J	0.04 UJ	0.041 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	4.63 J	**1.01 J**	0.985 J	0.04 UJ	0.041 U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	0.408 J	0.682 J	0.0457 J	0.041 U							
							TOTAL PCBs	4.63 J	2.218 J	2.331 J									
BDP7-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**3.14**	0.0967 J	0.0872 J	0.041 U	0.043 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	0.036 U	0.146	0.72	0.0787 J							
							TOTAL PCBs	3.14	0.0967 J	0.2332 J	0.72	0.0787 J							
BDP7-3								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	3.44	0.0423 J	0.0282 J	0.317	0.045 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	0.039 U	0.037 U	0.485	0.045 U							
							TOTAL PCBs	3.44	0.0423 J	0.0282 J	0.802								
BDP7-4								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	28.7 J	0.191	5.02	0.036 U	0.164	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	28.7 J	0.191	5.02		0.164							

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units											
BDP7-5								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020	9/25/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.0306 J	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	0.036 UJ	0.639	0.042 U	0.044 U							
							TOTAL PCBs	0.0306 J		0.639									
BDP8-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**4.97 J**	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1		0.546	0.045 U	0.041 U	0.041 U							
							TOTAL PCBs	4.97 J	0.546										
BDP8-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.62**	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	**7.92**	0.043 U	0.054 U	0.043 U							
							TOTAL PCBs	1.62	7.92										
BDP9-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.04 UJ	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1262	0.1	10	1	1	25	3.2	1	U	0.346 J	0.043 UJ	0.043 UJ	0.042 UJ							
							TOTAL PCBs		0.346 J										
BDP10-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/21/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	**43.9 J**	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**57.4 J**	**1.76 J**	**3.8 J**	**4.18 J**	0.043 UJ							
							TOTAL PCBs	101.3 J	1.76 J	3.8 J	4.18 J								
BDP11-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**18.3 J**	**6.18 J**	0.08 UJ	0.045 UJ	0.041 UJ	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	18.3 J	6.18 J										
BDP11-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.357 J	0.047 U	**12 J**	0.051 U	0.041 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.497 J	0.047 U	**1.61 J**	0.0881	0.041 U							
							TOTAL PCBs	0.854 J		13.61 J	0.0881								
BDP12-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	**19.4**	0.04 U	0.04 U	0.04 U	0.04 U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**24.8**	0.036 J	0.053 J	0.04 U	0.04 U							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U							
							TOTAL PCBs	44.20	0.036 J	0.053 J									
BDP13-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.039 U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**7 J**	**1.67**	**87.2**	**9.95**	0.0509							
							TOTAL PCBs	7 J	1.67	87.2	9.95	0.0509							
BDP14-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.037 U	0.039 U	0.751 J	0.045 UJ	0.039 UJ	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs			0.751 J									
BDP14-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.104 J	0.07 U	0.07 U	0.07 U	0.07 U	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	0.104 J											

Table 2-4
PCBs Detected in OU1 Subsurface Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	CP-51 Surface SCOs (mg/kg)	Residential Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs	Sample Depth / Sample Date / Units											
BDP15-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	20.1 J	34.3 J	42.3 J	6.86 J	0.0649 J	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	20.1 J	34.3 J	42.3 J	6.86 J	0.0649 J							
BDP15-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1254	0.1	10	1	1	25	3.2	1	13.1 J	17.8 J	**1.95 J**	0.042 U	0.049 U	NS	NS	NS	NS	NS	NS	NS
							TOTAL PCBs	13.10 J	17.8 J	1.95 J									
BDP15-3								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.071 U	U	U	U	U	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	**1.28**	0.039 U	0.0348 J	3.32	0.0586							
							TOTAL PCBs	1.28		0.0348 J	3.32	0.0586							
BDP16-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	U	0.041 U	0.159	0.067 UJ	0.047 UJ	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.265 J	0.234 J	0.293	0.067 UJ	0.047 UJ							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	0.124 J	0.0582 J	**1.11 J**	0.191 J							
							TOTAL PCBs	0.265 J	0.358 J	0.5102 J	1.11 J	0.191 J							
BDP17-1								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	U	7.71 J	0.038 UJ	0.042 UJ	0.04 UJ	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.162 J	7.43 J	0.038 UJ	0.042 UJ	0.04 UJ							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	0.057 UJ	0.038 UJ	3.55 J	0.04 UJ							
AROCLOR 1262	0.1	10	1	1	25	3.2	1	U	0.057 UJ	0.038 UJ	0.042 UJ	0.15 J							
							TOTAL PCBs	0.162 J	15.14 J		3.55 J	0.15 J							
BDP17-2								2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
								10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
AROCLOR 1248	0.1	10	1	1	25	3.2	1	0.04 UJ	0.037 UJ	0.04 UJ	R	0.043 UJ	NS	NS	NS	NS	NS	NS	NS
AROCLOR 1254	0.1	10	1	1	25	3.2	1	0.0649 J	0.0804 JN	0.593 J	0.221 J	0.043 UJ							
AROCLOR 1260	0.1	10	1	1	25	3.2	1	U	0.037 UJ	0.488 J	0.0921 J	0.12 J							
AROCLOR 1221	0.1	10	1	1	25	3.2	1	U	0.037 UJ	0.04 UJ	R	0.043 UJ							
AROCLOR 1232	0.1	10	1	1	25	3.2	1	U	0.037 UJ	0.04 UJ	R	0.043 UJ							
AROCLOR 1242	0.1	10	1	1	25	3.2	1	U	0.037 UJ	0.04 UJ	R	0.043 UJ							
AROCLOR 1262	0.1	10	1	1	25	3.2	1	U	0.037 UJ	0.04 UJ	R	0.043 UJ							
AROCLOR 1268	0.1	10	1	1	25	3.2	1	U	0.037 UJ	0.04 UJ	R	0.043 UJ							
							TOTAL PCBs	0.0649 J	0.0804 JN	0.08 J	0.3131 J								

Notes:
J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
mg/kg = milligram per kilogram
NS = Not Sampled
PCB = polychlorinated biphenyls
R = Data rejected by third-party validator.
SCO = soil cleanup objective
U = Indicates the analyte was analyzed for but not detected.
Bold indicates exceedance of the Residential Use, Commercial Use, and Protection of Ecological Resources SCOs.
Yellow highlight indicates exceedance above the Industrial Use SCO
Blue font indicates exceedance above the Protection of Groundwater SCO
Sample depths are shown in inches (") and feet (').

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth												
						Sample Date												
						Units												
A7						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.36 U		4.18	78		3.15						0.0039 U	
Benzo(a)pyrene	1	3.7	3.7	22	2.6	2.8 J		**4.37**	56		3.04						0.21 J	
Benzo(b)fluoranthene	1	37	37	2.1	NE	5.2 J		5.39	73		4.03						0.25	
Benzo(k)fluoranthene	0.8	47	78	2	NE	3 J	NS	1.64	37	NS	1.45	NA	NA	NS	NS	NS	0.083 J	NS
Chrysene	1	47	78	1	NE	3.4 J		4.23	65		2.74						0.16 J	
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.25 U		0.789	**8.8 J**		0.488						0.0025 U	
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.58 U		2.8	24		1.87						0.087 J	
A7						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.36 U			78								0.0039 U	
Benzo(a)pyrene	1	3.7	3.7	22	2.6	2.8 J			56								0.21 J	
Benzo(b)fluoranthene	1	37	37	2.1	NE	5.2 J			73								0.25	
Benzo(k)fluoranthene	0.8	47	78	2	NE	3 J			37								0.083 J	
Chrysene	1	47	78	1	NE	3.4 J			65								0.16 J	
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.25 U			**8.8 J**								0.0025 U	
Dibenzofuran	2.1	180	290	110	NE	0.22 U	NS	NS	25	NS	NS	NA	NA	NS	NS	NS	0.015 J	NS
Fluoranthene	85	500	1000	1000	NE	5.1 J			180								0.34	
Fluorene	30	500	1000	386	30	0.49 U			55								0.035 J	
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.58 U			24								0.087 J	
Naphthalene	12	500	1000	12	NE	0.34 U			14 J								0.0037 U	
Phenanthrene	1.1	47	78	1000	NE	1.8 J			**220**								0.21 J	
Pyrene	64	500	1000	1000	NE	5.1 J			140								0.26	
A8						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			0.17 U			30.9							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			0.17 U			24.6							
Benzo(b)fluoranthene	1	37	37	2.1	NE			0.17 U			23.4							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.17 U	NS	NS	22.2	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.17 U			27.9							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.17 U			**4.59 J**							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.17 U			15.1 J							
A10						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			0.0205 J			1.87							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			0.019 J			1.86							
Benzo(b)fluoranthene	1	37	37	2.1	NE			0.0303 J			1.93							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.037 U	NS	NS	1.62	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.01968 J			1.91							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.17 U			0.349							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.0183 J			1.33							
B6						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/14/2014	10/13/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			1.29 J			4.53							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			1.25 J			**5.28**							
Benzo(b)fluoranthene	1	37	37	2.1	NE			1.66 J			6.98							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.539 J	NS	NS	2.67	NS	NA	NS	NA	NS	NS	NS
Chrysene	1	47	78	1	NE			1.21 J			4.11							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.281 J			0.813							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.15 J			3.54							
Phenol	0.33	500	1000	0.33	30			0.602			0.091 U							

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units											
B7						0-2" / 10/16/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/16/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/13/2016 / mg/kg	2'-4' / 10/16/2013 / mg/kg	4'-6' / 10/16/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/16/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/16/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.07 U			0.07 U								3.8 B	
Benzo(a)pyrene	1	3.7	3.7	22	2.6	2 J			2.6 J								3.4	
Benzo(b)fluoranthene	1	37	37	2.1	NE	2.8 J			3.4 J								4	
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.4 J	NS	NS	1.3 J	NS	NS	NS	NA	NS	NA	NS	1.6	NS
Chrysene	1	47	78	1	NE	2.2 J			3.1 J								3.5	
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.1 J			1.1 J								1.3	
Phenol	0.33	500	1000	0.33	30	0.46 J			0.43 U								0.12 U	
B13						0-2" / 10/21/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/21/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/13/2016 / mg/kg	2'-4' / 10/21/2013 / mg/kg	4'-6' / 10/21/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/21/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/21/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE	1.3 J			3.2 J									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.5 J			**4**									
Benzo(b)fluoranthene	1	37	37	2.1	NE	2.7 J			5.4									
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.6 J	NS	NS	2.6 J	NS	NS	NA	NA	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	1.2 J			3.8									
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	1.4 J			0.82 J									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	2 J			2.1 J									
B14						0-2" / 10/21/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/21/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/13/2016 / mg/kg	2'-4' / 10/21/2013 / mg/kg	4'-6' / 10/21/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/21/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/21/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.28 U			9.3									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.39 U			**9.6**									
Benzo(b)fluoranthene	1	37	37	2.1	NE	0.31 U			15									
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.18 U	NS	NS	5.6	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	0.16 U			9.6									
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	1.5 J			1.5 J									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.9 J			3.4 J									
BLG-5						0-2" / 10/17/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/17/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/13/2016 / mg/kg	2'-4' / 10/17/2013 / mg/kg	4'-6' / 10/17/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/17/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/17/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.35 U			4.9 B									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.49 UJ			**4.3**									
Benzo(b)fluoranthene	1	37	37	2.1	NE	0.39 UJ			5.4									
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.22 UJ	NS	NS	2.3 J	NS	NS	NA	NS	NS	NA	NS	NS	NS
Chrysene	1	47	78	1	NE	0.2 U			4.8									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.56 UJ			2.1 J									
C6						0-2" / 10/16/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/16/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/13/2016 / mg/kg	2'-4' / 10/16/2013 / mg/kg	4'-6' / 10/16/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/16/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/16/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE			2.26			2.06							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			2.26			2.41 J							
Benzo(b)fluoranthene	1	37	37	2.1	NE			2.96			2.9 J							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.871	NS	NS	1.05 J	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			1.93			1.92							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.386			0.44 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.71			1.7 J							
C9						0-2" / 10/16/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/16/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/13/2016 / mg/kg	2'-4' / 10/16/2013 / mg/kg	4'-6' / 10/16/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/16/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/16/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE			0.387 J			1.05							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			0.495			1.08							
Benzo(b)fluoranthene	1	37	37	2.1	NE			1.05			1.05							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.29	NS	NS	0.978	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.545 J			1.1							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.85			0.732							

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units												
C11SW						0-2" / 10/16/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	3.6 / 10/17/2016 / mg/kg	2"-2' / 10/16/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/17/2016 / mg/kg	2'-4' / 10/16/2013 / mg/kg	4'-6' / 10/16/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/16/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/16/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE			0.15			1.39 J							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			0.245 J			1.76 J							
Benzo(b)fluoranthene	1	37	37	2.1	NE			0.294			1.69 J							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.219	NS	NS	1.59 J	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.182			1.56 J							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.0463 J			0.334 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.211 J			1.16 J							
C12						0-2" / 10/16/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/18/2016 / mg/kg	2"-2' / 10/16/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/18/2016 / mg/kg	2'-4' / 10/16/2013 / mg/kg	4'-6' / 10/16/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/16/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/16/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE			0.145			2.04							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			0.25 J			2.64							
Benzo(b)fluoranthene	1	37	37	2.1	NE			0.413			3							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.589	NS	NS	2.29	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.175			2.48							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.0675 J			0.433 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.333			1.58							
C13						0-2" / 10/21/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/18/2016 / mg/kg	2"-2' / 10/21/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/18/2016 / mg/kg	2'-4' / 10/21/2013 / mg/kg	4'-6' / 10/21/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/21/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/21/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.52 J			2.4 J									5.66
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.85 J			2.9 J									**5.77**
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.7 J			5.1 J									5.38
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.88 J	NS	NS	2.7 J	NS	NS	NA	NS	NS	NS	NS	NS	3.8
Chrysene	1	47	78	1	NE	0.61 J			2.1 J									5.76
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.42 J			1.7 J									1.34
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.77 J			2.3 J									3.32
C14						0-2" / 10/21/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/18/2016 / mg/kg	2"-2' / 10/21/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/18/2016 / mg/kg	2'-4' / 10/21/2013 / mg/kg	4'-6' / 10/21/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/21/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/21/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE	21			1.8 J									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	**24**			1.9 J									
Benzo(b)fluoranthene	1	37	37	2.1	NE	34			2.7 J									
Benzo(k)fluoranthene	0.8	47	78	2	NE	15	NS	NS	1.8 J	NS	NS	NA	NA	NS	NA	NS	NS	NS
Chrysene	1	47	78	1	NE	21			1.8 J									
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	3.4 J			0.55 J									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	10 J			0.93 J									
C15						0-2" / 10/21/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/18/2016 / mg/kg	2"-2' / 10/21/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/18/2016 / mg/kg	2'-4' / 10/21/2013 / mg/kg	4'-6' / 10/21/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/21/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/21/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.88 J			8.4						0.077 J			
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1 J			**8.2**						0.063 J			
Benzo(b)fluoranthene	1	37	37	2.1	NE	2.1 J			11						0.08 J			
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.69 J	NS	NS	4.5	NS	NS	NA	NA	NS	0.032 J	NS	NS	NS
Chrysene	1	47	78	1	NE	0.95 J			8.4						0.06 J			
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.43 J			1.9 J						0.0023 U			
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.8 J			5.2						0.4 J			
D3						0.167-2" / 10/20/2020 / mg/kg												
Benzo(a)anthracene	1	37	37	1	NE	1.64												
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.48												
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.62												
Chrysene	1	47	78	1	NE	1.49												
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.842												

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units											
D4						0-0.167" 10/20/2020 mg/kg	0.167-2" 10/20/2020 mg/kg										
Benzo(a)anthracene	1	37	37	1	NE	0.87	2.39										
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.803	2.15										
Benzo(b)fluoranthene	1	37	37	2.1	NE	0.941	2.49										
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.378	0.913										
Chrysene	1	47	78	1	NE	0.812	2.22										
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.511	1.36										
D5						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/13/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE			4.35			1.21 J							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			**5.15**			1.39 J							
Benzo(b)fluoranthene	1	37	37	2.1	NE			6.35			1.54 J							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	2.3	NS	NS	0.488 J	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			4.26			1.34 J							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			1.16			0.284 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			3.71			0.924 J							
D6						0-2" 10/17/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/17/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/17/2013 mg/kg	4'-6' 10/17/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/17/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/17/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.09 U			11 B									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	3 J			**11**									
Benzo(b)fluoranthene	1	37	37	2.1	NE	4.3 J			16									
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.9 J	NS	NS	6.4	NS	NS	NA	NA	NS	NA	NS	NS	NS
Chrysene	1	47	78	1	NE	2.3 J			12									
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.0061 U			2.2 J									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.8 J			5.7									
D7						0-2" 10/17/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/17/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/17/2013 mg/kg	4'-6' 10/17/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/17/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/17/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.98 J			1.7 J									
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.6 J			2.3 J									
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.53 J	NS	NS	1 J	NS	NS	NA	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	0.87 J			2 J									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.64 J			0.1 U									
D13						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(k)fluoranthene	0.8	47	78	2	NE			0.807 J			0.822							
Chrysene	1	47	78	1	NE	NS	NS	0.621 J	NS	NS	1.04	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.957 J			0.603							
D14-NW						0-2" 10/21/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/13/2016 mg/kg	2'-4' 10/21/2013 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.13 U			19				1.1					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.5 J			**20**				1.3					
Benzo(b)fluoranthene	1	37	37	2.1	NE	0.14 U			28				1.3					
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.082 U	NS	NS	15	NS	NS	NA	0.47	NS	NA	NS	NS	NS
Chrysene	1	47	78	1	NE	1.1 J			21				1.1					
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.087 U			3 J				0.0027 U					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.21 U			7 J				0.67					
D14-SE						0-2" 10/21/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/13/2016 mg/kg	2'-4' 10/21/2013 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	2.5 J			4.9						0.039 J			
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.35 U			**4.7**						0.0052 U			
Benzo(b)fluoranthene	1	37	37	2.1	NE	0.28 U			6.3						0.0042 U			
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.16 U	NS	NS	2.5 J	NS	NS	NA	NA	NS	0.0024 U	NS	NS	NS
Chrysene	1	47	78	1	NE	2.3 J			4.8						0.028 J			
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.4 U			3.2 J						0.006 U			
D15						0-2" 10/21/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/13/2016 mg/kg	2'-4' 10/21/2013 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	7.1 J			0.061 U				6.1					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	**7.2 J**			0.085 U				**5.6**					
Benzo(b)fluoranthene	1	37	37	2.1	NE	13 J			0.068 U				5.8					
Benzo(k)fluoranthene	0.8	47	78	2	NE	5.1 J	NS	NS	0.039 U	NS	NS	NA	2.4	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	8 J			0.035 U				5.5					

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units											
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.22 U			0.041 U				0.72				
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.51 U			0.097 U				2.6				
E3						**0-0.167"**	**0.167-2"**										
						10/20/2020	**10/20/2020**										
						mg/kg	**mg/kg**										
Benzo(a)anthracene	1	37	37	1	NE	1.15	1.09										
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.12	0.986										
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.32	1.13										
Chrysene	1	47	78	1	NE	1.19	1.01										
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.73	0.605										
E4						**0-0.167"**	**0.167-2"**										
						10/20/2020	**10/20/2020**										
						mg/kg	**mg/kg**										
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.517	0.529										
E5						**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/16/2013	**10/14/2014**	**10/13/2016**	**10/16/2013**	**10/14/2014**	**10/13/2016**	**10/16/2013**	**10/16/2013**	**10/14/2014**	**10/16/2013**	**10/14/2014**	**10/16/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Benzo(a)anthracene	1	37	37	1	NE			0.349			1.23							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			0.423			1.36							
Benzo(b)fluoranthene	1	37	37	2.1	NE	NS	NS	0.533	NS	NS	1.64	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.398			1.22							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.3			0.841							
E6						**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/14/2014**	**10/13/2016**	**10/22/2013**	**10/14/2014**	**10/13/2016**	**10/22/2013**	**10/22/2013**	**10/14/2014**	**10/22/2013**	**10/14/2014**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Benzo(a)anthracene	1	37	37	1	NE	2.5			20						14			
Benzo(a)pyrene	1	3.7	3.7	22	2.6	2.6			**15**						**13**			
Benzo(b)fluoranthene	1	37	37	2.1	NE	3.3			19						21			
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.7	NS	NS	9.2	NS	NS	NA	NA	NS	7.9	NS	NS	NS
Chrysene	1	47	78	1	NE	2.6			18						17			
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.48 J			2.2 J						1.9 J			
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.3			7 J						5.8			
E8						**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/14/2014**	**10/18/2016**	**10/21/2013**	**10/14/2014**	**10/18/2016**	**10/21/2013**	**10/21/2013**	**10/14/2014**	**10/21/2013**	**10/14/2014**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Benzo(a)anthracene	1	37	37	1	NE	1.7			0.38				2.6					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.8			0.4				3.7					
Benzo(b)fluoranthene	1	37	37	2.1	NE	2.5			0.65				3.4					
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.6	NS	NS	0.24	NS	NS	NA	1.3	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	1.8			0.45				2.2					
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.29 J			0.0023 U				0.44					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.76 J			0.28				2.1					
E9						**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/14/2014**	**10/18/2016**	**10/21/2013**	**10/14/2014**	**10/18/2016**	**10/21/2013**	**10/21/2013**	**10/14/2014**	**10/21/2013**	**10/14/2014**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Benzo(a)anthracene	1	37	37	1	NE	0.99 J			1.1									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.98 J			1.1									
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.9 J			1.8									
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.74 J	NS	NS	0.89 J	NS	NS	NA	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	1 J			1.1									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.61 J			0.45 J									

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units												
						E11	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
							10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE				16.7			13.6							
Benzo(a)pyrene	1	3.7	3.7	22	2.6				**15.9**			**13**							
Benzo(b)fluoranthene	1	37	37	2.1	NE				15.6			13.3							
Benzo(k)fluoranthene	0.8	47	78	2	NE		NS	NS	13.9	NS	NS	11.2	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE				16.1			14.1							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE				3.25			2.61							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE				10.5			8.49							
						E12	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
							10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2-Methylphenol (o-Cresol)	0.33	500	1000	0.33	NE				0.0862 J			4.32							
Benzo(a)anthracene	1	37	37	1	NE				0.394			1.57							
Benzo(a)pyrene	1	3.7	3.7	22	2.6				0.432			1.58							
Benzo(b)fluoranthene	1	37	37	2.1	NE				0.476			1.45							
Benzo(k)fluoranthene	0.8	47	78	2	NE		NS	NS	0.454	NS	NS	1.38	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE				0.433			1.74							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE				0.426			0.937							
Phenol	0.33	500	1000	0.33	30				0.32 U			2.26							
						E13	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
							10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2-Methylphenol (o-Cresol)	0.33	500	1000	0.33	NE				7.4 U			0.93							
Benzo(a)anthracene	1	37	37	1	NE				1.5 U			1.93							
Benzo(a)pyrene	1	3.7	3.7	22	2.6				3.7 U			1.92							
Benzo(b)fluoranthene	1	37	37	2.1	NE				1.5 U			1.68							
Benzo(k)fluoranthene	0.8	47	78	2	NE		NS	NS	1.5 U	NS	NS	1.48	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE				1.5 U			1.96							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE				3.7 U			1.12							
Phenol	0.33	500	1000	0.33	30				3.7 U			0.615							
						E15	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
							10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE				0.311			2.9 J							
Benzo(a)pyrene	1	3.7	3.7	22	2.6				0.403			2.59 J							
Benzo(b)fluoranthene	1	37	37	2.1	NE				0.353			2.13							
Benzo(k)fluoranthene	0.8	47	78	2	NE		NS	NS	0.325	NS	NS	2.14	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE				0.34			2.87 J							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE				0.0464 J			0.357							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE				0.282 J			1.28							
						F1	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
							10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE				2.6			9.62 J							
Benzo(a)pyrene	1	3.7	3.7	22	2.6				2.62			**8.95 J**							
Benzo(b)fluoranthene	1	37	37	2.1	NE				2.33			7.91 J							
Benzo(k)fluoranthene	0.8	47	78	2	NE		NS	NS	2.08	NS	NS	6.23	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE				2.69			9.23 J							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE				0.427			1.25							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE				1.55			4.92							
						F2	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
							10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)pyrene	1	3.7	3.7	22	2.6		NS	NS	1.04	NS	NS	0.954	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE				0.644			0.517							

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units												
F3						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/17/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE			0.873			5.41							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			1.03			**5.67**							
Benzo(b)fluoranthene	1	37	37	2.1	NE			0.963			5.3							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.868	NS	NS	4.8	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.946			5.76							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.158			1.04							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.535			3.92							
F4						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/17/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE			0.476			2.54							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			0.571			2.26							
Benzo(b)fluoranthene	1	37	37	2.1	NE			0.515			1.97							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.475	NS	NS	1.93	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.553			2.41							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.0839 J			0.385							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.319 J			1.36							
F5						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE			1.56			6.77 J							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			2.08			**6.76 J**							
Benzo(b)fluoranthene	1	37	37	2.1	NE			2.64			6.85 J							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.886	NS	NS	6.09 J	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			1.73			7.3 J							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.404			1.11 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.82			4.3 J							
F6						0-2" 10/22/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	2.7 J			0.52 J									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	2.8 J			0.55 J									
Benzo(b)fluoranthene	1	37	37	2.1	NE	4 J			0.92 J									
Benzo(k)fluoranthene	0.8	47	78	2	NE	2.5 J	NS	NS	0.38 J	NS	NS	NA	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	2.8 J			0.54 J									
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.8 J			0.16 J									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.4 J			0.3 J									
F7						0-2" 10/23/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/23/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	4.4			13									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	**5**			**12**									
Benzo(b)fluoranthene	1	37	37	2.1	NE	6.7			17									
Benzo(k)fluoranthene	0.8	47	78	2	NE	2.7	NS	NS	6.8 J	NS	NS	NA	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	4.6			12									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	2.8			6.9 J									
F8						0-2" 10/22/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	4.8 J			4.1 J									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	**4.7 J**			**4.1 J**									
Benzo(b)fluoranthene	1	37	37	2.1	NE	6.4			5.5 J									
Benzo(k)fluoranthene	0.8	47	78	2	NE	2.7 J	NS	NS	2.6 J	NS	NS	NA	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	5.2 J			4.4 J									
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	1.2 J			1.2 J									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	2.4 J			2.5 J									

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth												
						Sample Date												
						Units												
F9						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/21/2013	10/14/2014	10/18/2016	10/21/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	1.1 J			6.4 J						0.85			
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.1 J			**5.5 J**						0.98			
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.5 J			7.2 J						1			
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.8 J	NS	NS	3.2 J	NS	NS	NA	NA	NS	0.37	NS	NS	NS
Chrysene	1	47	78	1	NE	0.95 J			6.2 J						0.93			
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.1 U			3.4 J						0.56			
F10						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/22/2013	10/14/2014	10/18/2016	2/22/2013	10/14/2014	10/18/2016	2/22/2013	2/22/2013	10/14/2014	2/22/2013	10/14/2014	2/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE													3.77
Benzo(a)pyrene	1	3.7	3.7	22	2.6													**5.88**
Benzo(b)fluoranthene	1	37	37	2.1	NE													2.73
Benzo(k)fluoranthene	0.8	47	78	2	NE	NA	NS	NS	NA	NS	NS	NA	NS	NS	NS	NS	NS	3.57
Chrysene	1	47	78	1	NE													3.97
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE													0.714
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE													3.07
F12						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			24.9			1.92							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			**26.9**			2.07							
Benzo(b)fluoranthene	1	37	37	2.1	NE			21.9			1.73							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	21.2	NS	NS	1.53	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			25.3			1.91							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			**4.6**			0.343							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			15.9			1.16							
F13						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2-Methylphenol (o-Cresol)	0.33	500	1000	0.33	NE			2.98			0.6 UJ							
Benzo(a)anthracene	1	37	37	1	NE			1.75			0.91 J							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			1.98			1.02 J							
Benzo(b)fluoranthene	1	37	37	2.1	NE			1.76			0.95 J							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	1.44	NS	NS	0.767 J	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			1.94			0.979 J							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.374			0.179 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.3			0.633 J							
Phenol	0.33	500	1000	0.33	30			1.75			0.3 UJ							
F14						0.167-2"												
						10/22/2020												
						mg/kg												
Benzo(a)anthracene	1	37	37	1	NE	2.47												
Benzo(a)pyrene	1	3.7	3.7	22	2.6	2.31												
Benzo(b)fluoranthene	1	37	37	2.1	NE	2.99												
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.06												
Chrysene	1	47	78	1	NE	2.33												
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.42												
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.51												
G1						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/17/2018	10/16/2013	10/14/2014	10/17/2018	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			1.19			0.621							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			1.23			0.653							
Benzo(b)fluoranthene	1	37	37	2.1	NE			1.02			0.539							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.965	NS	NS	0.535	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			1.21			0.635							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.68			0.363							

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth											
						Sample Date											
						Units											
G2						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/24/2013	10/14/2014	10/17/2016	2/24/2013	10/14/2014	10/17/2016	2/24/2013	2/24/2013	10/14/2014	2/24/2013	10/14/2014	2/24/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
4-Methylene Chloride	0.33	500	1000	0.33	NE	0.012 U			0.25 U				0.64 J					
Benzo(a)anthracene	1	37	37	1	NE	0.63			34				28					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.69			**30**				**24**					
Benzo(b)fluoranthene	1	37	37	2.1	NE	0.97			**45**				30					
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.4	NS	NS	19	NS	NS	NS	14	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	0.63			34				27					
Dibenzofuran	7	350	1000	210	NE	0.025 J			3.8 J				13					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.36			17				11					
Naphthalene	12	500	1000	12	NE	0.039 J			1.3 J				25					
Phenol	0.33	500	1000	0.33	30	0.022 U			0.47 U				0.64 J					
G3						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/23/2013	10/14/2014	10/17/2016	2/23/2013	10/14/2014	10/17/2016	2/23/2013	2/23/2013	10/14/2014	2/23/2013	10/14/2014	2/23/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	4.6			0.95				1.6					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	**4.2**			0.98				1.3					
Benzo(b)fluoranthene	1	37	37	2.1	NE	7.9	NS	NS	1.4	NS	NS	NS	1.4	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.8	47	78	2	NE	3.7			0.63				0.55					
Chrysene	1	47	78	1	NE	4.2			0.85				1.5					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	2.7			0.46				0.7					
G3						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/23/2013	10/14/2014	10/17/2016	2/23/2013	10/14/2014	10/17/2016	2/23/2013	2/23/2013	10/14/2014	2/23/2013	10/14/2014	2/23/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			5.58 J			0.588							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			**5.24 J**			0.646							
Benzo(b)fluoranthene	1	37	37	2.1	NE			5.41 J			0.593							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	5.18 J	NS	NS	0.552	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			5.98 J			0.643							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.964			0.121 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			3.56			0.391							
G5						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			10.3			0.108 J							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			**6.54**			0.2 J							
Benzo(b)fluoranthene	1	37	37	2.1	NE			6.38			0.13							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	5.85	NS	NS	0.116	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			9.71			0.124							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			3.45			0.165 J							
Phenol	0.33	500	1000	0.33	30			0.798 J			6.98							
G6						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			7.04			6.01							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			**5.99**			**4.59**							
Benzo(b)fluoranthene	1	37	37	2.1	NE			5.59			4.61							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	5.3	NS	NS	4.13	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			6.45			5.93							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.935			0.738							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			3.58			2.66							
G7						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/14/2014	10/17/2016	10/22/2013	10/14/2014	10/17/2016	2/22/2013	2/22/2013	10/14/2014	2/22/2013	10/14/2014	2/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	5.6			3 J									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	**4.3**			2.6 J									
Benzo(b)fluoranthene	1	37	37	2.1	NE	6.4			4.3									
Benzo(k)fluoranthene	0.8	47	78	2	NE	2.4	NS	NS	2 J	NS	NS	NA	NA	NS	NA	NS	NS	NS
Chrysene	1	47	78	1	NE	5			3.3 J									
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.51 J			0.59 J									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.3			1.2 J									

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units											
G8						0-2" / 10/22/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/17/2016 / mg/kg	2"-2' / 10/22/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/17/2016 / mg/kg	2'-4' / 10/22/2013 / mg/kg	4'-6' / 10/22/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/22/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 2/22/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE	2.3			1.3						5.1 J			
Benzo(a)pyrene	1	3.7	3.7	22	2.6	2.5			1.3						**4.9 J**			
Benzo(b)fluoranthene	1	37	37	2.1	NE	3.8			2.2						8			
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.6	NS	NS	0.91 J	NS	NS	NS	NS	NS	2.8 J	NS	NS	NS
Chrysene	1	47	78	1	NE	2.6			1.3						5.3 J			
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.35 J			0.22 J						1.1 J			
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.91 J			0.59 J						2.7 J			
G9						0-2" / 10/21/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/17/2016 / mg/kg	2"-2' / 10/21/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/17/2016 / mg/kg	2'-4' / 2/21/2013 / mg/kg	4'-6' / 2/21/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 2/21/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 2/21/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(b)fluoranthene	1	37	37	2.1	NE	0.5 J	NS	NS	1.4	NS	NS	NA	NA	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	0.38 J			1.1									
G11						0-2" / 2/21/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/18/2016 / mg/kg	2"-2' / 2/21/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/18/2016 / mg/kg	2'-4' / 2/21/2013 / mg/kg	4'-6' / 2/21/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 2/21/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 2/21/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE			2.88			0.958							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			2.43			1.12							
Benzo(b)fluoranthene	1	37	37	2.1	NE			2.44			1.07							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	1.98	NS	NS	0.894	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			2.67			0.989							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.367			0.192							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.32			0.774							
G12						0-2" / 2/21/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/17/2016 / mg/kg	2"-2' / 2/21/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/17/2016 / mg/kg	2'-4' / 2/21/2013 / mg/kg	4'-6' / 2/21/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 2/21/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 2/21/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
4-METHYL Phenol	0.33	500	1000	0.33	NE	1.5 J			0.051 U				0.013 U					
Benzo(a)anthracene	1	37	37	1	NE	3.2 J			0.84 J				0.0039 U					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	3 J			0.88 J				0.023 J					
Benzo(b)fluoranthene	1	37	37	2.1	NE	4.7			1.4				0.057 J					
Benzo(k)fluoranthene	0.8	47	78	2	NE	2.2 J	NS	NS	0.63 J	NS	NS	NA	0.023 J	NS	NA	NS	NA	NS
Chrysene	1	47	78	1	NE	3.3 J			0.96				0.037 J					
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.55 J			0.16 J				0.0027 U					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.3 J			0.4 J				0.023 J					
Phenol	0.33	500	1000	0.33	30	1.7 J			0.095 U				0.024 U					
G13						0-2" / 2/21/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/17/2016 / mg/kg	2"-2' / 2/21/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/17/2016 / mg/kg	2'-4' / 2/21/2013 / mg/kg	4'-6' / 2/21/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 2/21/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 2/21/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE	3.6			0.26 U				0.63					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	3			0.91 J				0.66					
Benzo(b)fluoranthene	1	37	37	2.1	NE	4.5			1.7 J				0.71					
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.6	NS	NS	0.89 J	NS	NS	NA	0.32	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	3.6			0.81 J				0.56					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.84 J			1.2 J				0.18 J					
H1						0-2" / 10/23/2013 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/17/2016 / mg/kg	2"-2' / 10/23/2013 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/17/2016 / mg/kg	2'-4' / 10/23/2013 / mg/kg	4'-6' / 10/23/2013 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/23/2013 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/23/2013 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Benzo(a)anthracene	1	37	37	1	NE			0.264			12.9		1.2					
Benzo(a)pyrene	1	3.7	3.7	22	2.6			0.28 J			**11.2**		0.94					
Benzo(b)fluoranthene	1	37	37	2.1	NE			0.232			9.38		1.1					
Benzo(k)fluoranthene	0.8	47	78	2	NE	NA	NS	0.234	NA	NS	9.03	NS	0.54	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.264			12.9		1.3					
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.0497 J			1.74 J		0.0024 U					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.15 J			5.66 J		0.38					

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth											
						Sample Date											
						Units											
H2						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/24/2013	10/14/2014	10/17/2016	10/24/2013	10/14/2014	10/17/2016	10/24/2013	10/24/2013	10/14/2014	10/24/2013	10/14/2014	10/24/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	1.1			8.4									0.401
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.1			**8.2**									0.207
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.6			14									0.263
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.59	NS	NS	5.8 J	NS	NS	NS	NS	NS	NS	NS	NS	0.212
Chrysene	1	47	78	1	NE	1			8.2									0.665
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.67			5 J									0.013 J
H3						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/24/2013	10/14/2014	10/17/2016	10/24/2013	10/14/2014	10/17/2016	10/24/2013	10/24/2013	10/14/2014	10/24/2013	10/14/2014	10/24/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.73			2 J				1.1 J					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.78			1.9 J				0.95 J					
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.3	NS	NS	2.9 J	NS	NS	NS	1.3 J	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.5			0.87 J				0.66 J					
Chrysene	1	47	78	1	NE	0.8			1.6 J				0.82 J					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.55			1.2 J				0.4 J					
H4						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/24/2013	10/14/2014	10/17/2016	10/24/2013	10/14/2014	10/17/2016	10/24/2013	10/24/2013	10/14/2014	10/24/2013	10/14/2014	10/24/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			0.701			2.4							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			0.683			2.52							
Benzo(b)fluoranthene	1	37	37	2.1	NE			0.685			2.29							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	0.62	NS	NS	1.87	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			0.832			2.48							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.118			0.411							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.423			1.53							
H5						0-0.167"	0.167-2"											
						10/21/2020	10/21/2020											
						mg/kg	mg/kg											
Benzo(a)anthracene	1	37	37	1	NE	1.47	5.35											
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.47	**4.31**											
Benzo(b)fluoranthene	1	37	37	2.1	NE	2.05	5.31											
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.82	2.12											
Chrysene	1	47	78	1	NE	1.62	5.31											
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.321	0.8											
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.18	2.56											
H6						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			1.12			0.0473 J							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			1.53 J			0.126 J							
Benzo(b)fluoranthene	1	37	37	2.1	NE			1.17			0.0461 J							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	1.08	NS	NS	0.0356 J	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			1.15			0.0514 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.21 J			0.108 J							
H7						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/14/2014	10/18/2016	10/22/2013	10/14/2014	10/18/2016	10/22/2013	10/22/2013	10/14/2014	10/22/2013	10/14/2014	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	2.8 J			2.5									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	2.7 J			2.4									
Benzo(b)fluoranthene	1	37	37	2.1	NE	4.3			3.4									
Benzo(k)fluoranthene	0.8	47	78	2	NE	2.1 J	NS	NS	1.5 J	NS	NS	NS	NA	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	3.1 J			2.6									
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.57 J			0.0025 U									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.2 J			1.4 J									

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth											
						Sample Date											
						Units											
H8						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/22/2013	10/14/2014	10/18/2016	2/23/2013	10/14/2014	10/18/2016	2/23/2013	2/23/2013	10/14/2014	2/23/2013	10/14/2014	2/23/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.67 J			0.88 J				3.8					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.7 J			0.95				**3.9**					
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.1			1.3				5.2					
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.52 J	NS	NS	0.59 J	NS	NS	NA	2.2 J	NS	NA	NS	NS	NS
Chrysene	1	47	78	1	NE	0.77 J			0.88 J				3.3					
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.14 J			0.011 U				0.76 J					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.3 J			0.42 J				2.1 J					
H10						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/22/2013	10/14/2014	10/18/2016	2/23/2013	10/14/2014	10/18/2016	2/23/2013	2/23/2013	10/14/2014	2/23/2013	10/14/2014	2/23/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.59 J			44						1.1			
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.64 J			38						1.2			
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.1 J			54						1.1			
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.51 J	NS	NS	22	NS	NS	NA	NA	NS	0.51	NS	NS	NS
Chrysene	1	47	78	1	NE	0.62 J			50						0.97			
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.18 J			**5.5 J**						0.0027 U			
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.33 J			18						0.64			
H11						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			2.54			1.76							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			2.54			1.88							
Benzo(b)fluoranthene	1	37	37	2.1	NE			2.23			1.65							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	1.87	NS	NS	1.42	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			2.6			1.78							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.47			1.12							
H12						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/14/2014	10/17/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			2.58			1.52							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			2.15			1.7							
Benzo(b)fluoranthene	1	37	37	2.1	NE			2.19			1.42							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	1.68	NS	NS	1.34	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			2.78			1.56							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.366			0.276							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.3			0.973							
H13						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/21/2013	10/14/2014	10/17/2016	10/21/2013	10/14/2014	10/17/2016	10/21/2013	2/21/2013	10/14/2014	2/21/2013	10/14/2014	2/21/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	1.4			3.6			0.47 J						
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.2			2.9			0.44 J						
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.6			3.5			0.64 J						
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.78 J	NS	NS	1.8	NS	NS	0.26 J	NA	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	1.4			3.4			0.45 J						
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.19 J			0.62 J			0.1 J						
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.46 J			1.8			0.21 J						
I1						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/21/2013	10/14/2014	10/17/2016	10/21/2013	10/14/2014	10/17/2016	10/21/2013	2/21/2013	10/14/2014	2/21/2013	10/14/2014	2/21/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	NS	NS	0.543	NS	NS	0.3 U	NS	NS	NS	NS	NS	NS	NS
I2						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/23/2013	10/14/2014	10/17/2016	2/23/2013	10/14/2014	10/17/2016	2/23/2013	2/23/2013	10/14/2014	2/23/2013	10/14/2014	2/23/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			16.9			9.99							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			**20.3**			**11.7**							
Benzo(b)fluoranthene	1	37	37	2.1	NE			17.1			10.3							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	15.9	NS	NS	9.15	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			18.2			10.6							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			3.31			1.88							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			11.2			6.88							
I3						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/23/2013	10/14/2014	10/17/2016	2/23/2013	10/14/2014	10/17/2016	2/23/2013	2/23/2013	10/14/2014	2/23/2013	10/14/2014	2/23/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)pyrene	1	3.7	3.7	22	2.6			1.75 J			0.621							
Benzo(b)fluoranthene	1	37	37	2.1	NE			1.5 J			0.593							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	1.33 J	NS	NS	0.524	NS	NS	NS	NS	NS	NS	NS
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.395			0.119 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.37 J			0.499							
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth												
						Sample Date												
						Units												
I4						2/23/2013	10/14/2014	10/17/2016	2/23/2013	10/14/2014	10/17/2016	2/23/2013	2/23/2013	10/14/2014	2/23/2013	10/14/2014	2/23/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE			3.51			2.32							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			**3.77**			2.31							
Benzo(b)fluoranthene	1	37	37	2.1	NE			3.15			1.93							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	2.73	NS	NS	1.88	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			3.37			2.57							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.562			0.347							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			2.06			1.35							
I5						0-0.167"	0.167-2"											
						10/21/2020	10/21/2020											
						mg/kg	mg/kg											
Benzo(a)anthracene	1	37	37	1	NE	4.91 J	0.892											
Benzo(a)pyrene	1	3.7	3.7	22	2.6	**4.09 J**	0.926											
Benzo(b)fluoranthene	1	37	37	2.1	NE	5.7 J	1.24											
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.97 J	0.45											
Chrysene	1	47	78	1	NE	4.78 J	0.926											
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.756 J	0.192											
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	2.84 J	0.844											
I7						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/23/2013	10/14/2014	10/17/2016	2/23/2013	10/14/2014	10/17/2016	2/23/2013	2/23/2013	10/14/2014	2/23/2013	10/14/2014	2/23/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	3.6			2.3				0.4					
Benzo(a)pyrene	1	3.7	3.7	22	2.6	2.7			2.1				0.51					
Benzo(b)fluoranthene	1	37	37	2.1	NE	3.8			3				0.61					
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.8 J	NS	NS	1.5 J	NS	NS	NS	0.28	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE	3			2.2				0.37					
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.7 J			1.3 J				0.27					
I8						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/22/2013	10/14/2014	10/17/2016	2/22/2013	10/14/2014	10/17/2016	2/22/2013	2/22/2013	10/14/2014	2/22/2013	10/14/2014	2/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	7.4 J			8.5						2.6			
Benzo(a)pyrene	1	3.7	3.7	22	2.6	**7.4 J**			**6.5**						2.3			
Benzo(b)fluoranthene	1	37	37	2.1	NE	10			9.3						3.1			
Benzo(k)fluoranthene	0.8	47	78	2	NE	4.2 J	NS	NS	4.3	NS	NS	NA	NA	NS	1.4 J	NS	NS	NS
Chrysene	1	47	78	1	NE	6.9 J			9.6						2.9			
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.11 U			0.046 U						0.36 J			
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	3.8 J			3.9						1.2 J			
I9						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						2/22/2013	10/14/2014	10/17/2016	2/22/2013	10/14/2014	10/17/2016	2/22/2013	2/22/2013	10/14/2014	2/22/2013	10/14/2014	2/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE	6.4 J			1.5 J									
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.98 U			1.5 J									
Benzo(b)fluoranthene	1	37	37	2.1	NE	10 J			2.2									
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.45 U	NS	NS	0.88 J	NS	NS	NS	NA	NS	NA	NS	NS	NS
Chrysene	1	47	78	1	NE	0.41 U			1.5 J									
Phenol	0.33	500	1000	0.33	30	4.3 U			0.63 J									
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.1 U			1.1 J									

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units												
I10						0-2" 2/22/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 2/22/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/17/2016 mg/kg	2'-4' 2/22/2013 mg/kg	4'-6' 2/22/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 2/22/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 2/22/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	6.8 J			2.3 J						5.3 J			
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1 U			2 J						**5.8 J**			
Benzo(b)fluoranthene	1	37	37	2.1	NE	0.8 U	NA	NS	3 J	NA	NS	NA	NA	NA	0.35 U	NA	NS	NS
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.46 U			1.3 J						0.2 U			
Chrysene	1	47	78	1	NE	6.5 J			1.9 J						4.1 J			
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.1 U			1.1 J						0.5 U			
I11						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE			1.27			2.06							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			1.38			1.84							
Benzo(b)fluoranthene	1	37	37	2.1	NE	NS	NS	1.16	NS	NS	1.58	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.8	47	78	2	NE			0.993			1.34							
Chrysene	1	47	78	1	NE			1.31			2.04							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			0.752			1							
I12						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE			5			2.65							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			**5.06**			2.65							
Benzo(b)fluoranthene	1	37	37	2.1	NE			3.93			2.11							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	3.71	NS	NS	2.01	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			4.97			2.64							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.736 J			0.405 J							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			2.47			1.48 J							
I13						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE			2.4			2.86							
Benzo(a)pyrene	1	3.7	3.7	22	2.6			2.23			2.67							
Benzo(b)fluoranthene	1	37	37	2.1	NE			1.89			2.28							
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	1.72	NS	NS	1.96	NS	NS	NS	NS	NS	NS	NS
Chrysene	1	47	78	1	NE			2.37			2.85							
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE			0.32			0.384							
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE			1.24			1.52							
BLG-3						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/13/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	0.069 U			7.5 B								0.0039 U	
Benzo(a)pyrene	1	3.7	3.7	22	2.6	0.66 J			**7.7**								0.064 J	
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.1 J			11								0.076 J	
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.67 J	NS	NS	4.4	NS	NS	NA	NS	NS	NA	NS	0.047 J	NS
Chrysene	1	47	78	1	NE	0.58 J			7.8								0.078 J	
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.047 UJ			1.8 J								0.0026 U	
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	0.52 J			4.8								0.0062 U	
ELG-1						0-2" 2/24/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 2/24/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 2/24/2013 mg/kg	4'-6' 2/24/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 2/24/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 2/24/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE	3.7 UJ			3.7 UJ			0.19 U	0.19 UJ		1.3		0.21 U	
Benzo(a)pyrene	1	3.7	3.7	22	2.6	3.7 UJ			3.7 UJ			0.19 U	0.19 UJ		1.2		0.21 U	
Benzo(b)fluoranthene	1	37	37	2.1	NE	3.7 UJ	NS	NS	3.7 UJ	NS	NS	0.19 U	0.19 UJ	NS	1.3	NS	0.21 U	NS
Chrysene	1	47	78	1	NE	3.7 UJ			3.7 UJ			0.025 J	0.19 UJ		1.2		0.21 U	
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	3.7 UJ			3.7 UJ			0.19 U	0.19 UJ		0.58		0.21 U	
SL-1						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(b)fluoranthene	1	37	37	2.1	NE	NS	NS	NS	NS	1.1	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	0.33	500	1000	0.33	30					2.84								

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units											
SL-2						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE					0.209						1.36		
Benzo(b)fluoranthene	1	37	37	2.1	NE	NS	NS	NS	NS	0.272	NS	NS	NS	NS	NS	1.01	NS	NS
Benzo(k)fluoranthene	0.8	47	78	2	NE					0.204						1.09		
SL-4						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/15/2014	10/18/2016	10/16/2013	10/15/2014	10/18/2016	10/16/2013	10/16/2013	10/15/2014	10/16/2013	10/15/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE											5.1		
Benzo(a)pyrene	1	3.7	3.7	22	2.6											**7.48**		
Benzo(b)fluoranthene	1	37	37	2.1	NE											6.57		
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.02	NS	NS
Chrysene	1	47	78	1	NE											5.3		
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE											0.717		
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE											4.89		
SL-6						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/15/2014	10/18/2016	10/16/2013	10/15/2014	10/18/2016	10/16/2013	10/16/2013	10/15/2014	10/16/2013	10/15/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE					1.59 J				**38.7**				
Benzo(a)pyrene	1	3.7	3.7	22	2.6					1.22 J				**29.9**				
Benzo(b)fluoranthene	1	37	37	2.1	NE					1.65 J				**37.7**				
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	NS	NS	1.28 J	NS	NS	NS	12.2	NS	NS	NS	NS
Chrysene	1	47	78	1	NE					1.79 J				34.8				
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE					0.286 J				1.79				
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE					0.256 J				18.9				
Phenol	0.33	500	1000	0.33	30					0.017 UJ				0.452 J				
SL-7						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/15/2014	10/18/2016	10/16/2013	10/15/2014	10/18/2016	10/16/2013	10/16/2013	10/15/2014	10/16/2013	10/15/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE					3.27						6.07		
Benzo(a)pyrene	1	3.7	3.7	22	2.6					2.64 J						**7.55**		
Benzo(b)fluoranthene	1	37	37	2.1	NE					4.02						7.44		
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	NS	NS	NS	0.824	NS	NS	NS	NS	NS	1.29	NS	NS
Chrysene	1	47	78	1	NE					3.31						4.92		
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE					0.431 J						0.215		
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE					1.84						5.02		
Phenol	0.33	500	1000	0.33	30					0.344 J						0.019 U		
VS-1						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/15/2014	10/18/2016	10/16/2013	10/15/2014	10/18/2016	10/16/2013	10/16/2013	10/15/2014	10/16/2013	10/15/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	NS	0.698	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VS-2						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(a)anthracene	1	37	37	1	NE		0.51 U			15.4				0.221		0.12 U		
Benzo(a)pyrene	1	3.7	3.7	22	2.6		0.51 U			**11.7**				0.178		0.12 U		
Benzo(b)fluoranthene	1	37	37	2.1	NE		0.51 U			14.8				0.225		0.12 U		
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	0.51 U	NS	NS	4.65	NS	NS	NS	0.0647 J	NS	0.12 U	NS	NS
Chrysene	1	47	78	1	NE		0.51 U			16.4				0.193		0.12 U		
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE		0.51 U			0.665				0.12 U		0.12 U		
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE		0.51 U			7.44				0.101 J		0.12 U		
VS-4						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	4'-6'	4'-6'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/14/2014	10/18/2016	10/16/2013	10/16/2013	10/14/2014	10/16/2013	10/14/2014	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzo(b)fluoranthene	1	37	37	2.1	NE	NS	0.159 J	NS	NS	1.25	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE		0.0853 J			0.66								

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units											
VS-5						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE		0.12 U			1.07						0.0224 J		
Benzo(a)pyrene	1	3.7	3.7	22	2.6		0.12 U			1.18						0.13 U		
Benzo(b)fluoranthene	1	37	37	2.1	NE	NS	0.12 U	NS	NS	1.55	NS	NS	NS	NS	NS	0.13 U	NS	NS
Chrysene	1	47	78	1	NE		0.12 U			1.08						0.13 U		
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE		0.12 U			1.12						0.13 U		
VS-6						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(a)anthracene	1	37	37	1	NE		0.207 J			0.843						7.64		
Benzo(a)pyrene	1	3.7	3.7	22	2.6		0.194 J			0.795						**8.71**		
Benzo(b)fluoranthene	1	37	37	2.1	NE		0.246 J			1.08						8.37		
Benzo(k)fluoranthene	0.8	47	78	2	NE	NS	0.202 J	NS	NS	0.279	NS	NS	NS	NS	NS	1.94	NS	NS
Chrysene	1	47	78	1	NE		0.0995 J			0.752						6.73		
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE		0.07 U			0.102 J						0.339		
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE		0.18 J			0.582						5.62		
VS-6						0-2" 10/16/2013 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 5/20/2015 mg/kg
Benzo(b)fluoranthene	1	37	37	2.1	NE	NS	0.292 J	NS	NS	1.08	NS	NS	NS	NS	NS	NS	NS	NS
BBERM-10						0-0.167" 09/23/2020 mg/kg	0.167-2" 09/23/2020 mg/kg	2'-4' 09/23/2020 mg/kg	4'-6' 09/23/2020 mg/kg	6'-8' 09/23/2020 mg/kg	8'-10' 09/23/2020 mg/kg	10'-12' 09/23/2020 mg/kg	12'-14' 9/23/2020 mg/kg	14'-16' 9/23/2020 mg/kg				
2-Methylphenol (O-Cresol)	0.33	500	1000	0.33	NE	0.272 J	0.086 U	0.37 U	0.37 U	0.45 U	0.207 J	1 U						
Acenaphthene	20	500	1000	98	20	0.135 J	0.143	0.347	0.354	1.48	0.916	23						
Benzo(a)anthracene	1	37	37	1	NE	1.56	2.26	1.59	1.12	8.33	6.65	**84.2**						
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.67	2.56	1.76	1.04	**6.57**	**7.54**	**67.2**						
Benzo(b)fluoranthene	1	37	37	2.1	NE	2.08	3.04	2.33	1.63	8.61	9.6	**83.7**						
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.816	1.1	0.757	0.562	3.46	3.52	23.3						
Chrysene	1	47	78	1	NE	1.57	2.33	1.82	1.38	8.68	7.36	**76.7**						
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.272	0.388	0.344	0.253	1.07	1.33	**9.46**	NS	NS				
Dibenzofuran	7	350	1000	210	NE	0.132 J	0.172	0.22 J	0.307 J	0.594	0.405 J	22.9						
Fluoranthene	85	500	1000	1000	NE	3.29	4.07	2.53	2.08	19.4	8.13	177						
Fluorene	30	500	1000	386	30	0.154 J	0.218	0.431	0.477	1.99	0.673	38.4						
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.13	1.95	1.32	0.852	4.21	5.06	34.2						
Naphthalene	12	500	1000	12	NE	0.285	0.169	0.473	0.381	0.505	0.447	28						
Phenanthrene	1.1	47	78	1000	NE	1.8	2.31	2.72	2.52	13.4	6.17	**243**						
Phenol	0.33	500	1000	0.33	30	0.326 J	0.0614 J	0.306 J	0.37 U	0.237 J	0.51 U	1 U						
Pyrene	64	500	1000	1000	NE	2.63	3.95	3.28	2.42	21.9	9.63	156						
BBERM-11						0-0.167 09/23/2020 mg/kg	0.167-2 09/23/2020 mg/kg	2'-4' 09/23/2020 mg/kg	4'-6' 09/23/2020 mg/kg	6'-8' 09/23/2020 mg/kg	8'-10' 09/23/2020 mg/kg	10'-12' 09/24/2020 mg/kg	12'-14' 09/24/2020 mg/kg	14'-16' 09/24/2020 mg/kg				
2-Methylphenol (O-Cresol)	0.33	500	1000	0.33	NE	0.37 U	0.38 U	0.39 U	0.39 U		0.42 U	0.084 U	0.45 U	0.082 U				
Acenaphthene	20	500	1000	98	20	0.401	0.204	0.683	0.147 J		0.333	0.076	5.41	0.0685				
Benzo(a)anthracene	1	37	37	1	NE	4.18	1.56	1.99	0.891		1.73	0.741	29.7	1.11				
Benzo(a)pyrene	1	3.7	3.7	22	2.6	**4.46**	1.8	2	1		1.86	0.814	24.6	1.02				
Benzo(b)fluoranthene	1	37	37	2.1	NE	5.55	2.21	2.51	1.22		2.75	1.08	33.2	1.28				
Benzo(k)fluoranthene	0.8	47	78	2	NE	1.8	0.698	0.848	0.425		1.12	0.403	9.05	0.455				
Chrysene	1	47	78	1	NE	4.27	1.65	2.1	0.967		2.52	0.863	28.3	1.02				
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.742	0.353	0.317	0.176 J	NS	0.318	0.164	**4.47**	0.175				
Dibenzofuran	7	350	1000	210	NE	0.258 J	0.15 J	0.699	0.122 J		0.571	0.0526 J	8.55	0.072 J				
Fluoranthene	85	500	1000	1000	NE	7.8	2.89	4.59	1.71		5.33	1.48	66.4	1.91				
Fluorene	30	500	1000	386	30	0.418	0.195	0.974	0.206		1.03	0.134	11	0.112				
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	3.56	1.53	1.58	0.815		1.28	0.605	16.5	0.674				
Naphthalene	12	500	1000	12	NE	0.251	0.258	1.69	0.275		0.353	0.0612	6.88	0.0761				
Phenanthrene	1.1	47	78	1000	NE	4.7	2.05	4.98	1.45		6.19	0.947	**77.9**	1.28				
Phenol	0.33	500	1000	0.33	30	0.278 J	0.159 J	0.414	0.104 J		0.42 U	0.084 U	0.145 J	0.082 U				
Pyrene	64	500	1000	1000	NE	7.17	2.91	4.59	1.78		5.56	1.6	57.7	1.97				

Table 2-5
SVOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth								
						Sample Date								
						Units								
BBERM-14						**0-0.167"**	**0.167-2"**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**12'-14'**	**14'-16'**
						09/24/2020	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/23/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
2-Methylphenol (O-Cresol)	0.33	500	1000	0.33	NE	0.078 U	0.081 U	0.726	0.37 U	0.081 U		0.085 U		
Acenaphthene	20	500	1000	98	20	0.0921	0.419	0.11	2.6	0.223		0.18		
Benzo(a)anthracene	1	37	37	1	NE	1.77	5.7	0.712	56.4	1.8		2.39		
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.68	**4.59**	0.666	61.9	1.89		2.13		
Benzo(b)fluoranthene	1	37	37	2.1	NE	2.24	6.17	1.02	75.4	2.5		2.47		
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.728	1.96	0.297	23.8	0.786		0.834		
Chrysene	1	47	78	1	NE	1.66	5.14	0.754	**50.1**	1.74		2.06		
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.306	0.729	0.153	**13.7**	0.399	NS	0.342	NS	NS
Dibenzofuran	7	350	1000	210	NE	0.0691 J	0.234	0.117	2.33	0.134		0.157		
Fluoranthene	85	500	1000	1000	NE	2.91	10.5	1.54	73.7	2.64		3.89		
Fluorene	30	500	1000	386	30	0.113	0.527	0.13	4.12	0.212		0.237		
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.23	2.73	0.597	41.2	1.48		1.26		
Naphthalene	12	500	1000	12	NE	0.0718	0.0625	0.319	1.51	0.276		0.36		
Phenanthrene	1.1	47	78	1000	NE	1.32	6.1	1.01	33.4	1.86		2.79		
Phenol	0.33	500	1000	0.33	30	0.077 J	0.081 U	0.796	0.39	0.081 U		0.085 U		
BBERM-15						**0-0.167"**	**0.167-2"**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**12'-14'**	**14'-16'**
						09/24/2020	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
2-Methylphenol (O-Cresol)	0.33	500	1000	0.33	NE	0.36 U	0.39 U		0.085 U		0.5 U	0.41 U		
Acenaphthene	20	500	1000	98	20	0.112 J	0.109 J		0.329		2.04	1.73 J		
Benzo(a)anthracene	1	37	37	1	NE	1.02	1.3		1.76		3.85	3.9 J		
Benzo(a)pyrene	1	3.7	3.7	22	2.6	1.18	1.52		1.64		**4.67 J**	3.65 J		
Benzo(b)fluoranthene	1	37	37	2.1	NE	1.65	1.98		1.66		6.01 J	4.58 J		
Benzo(k)fluoranthene	0.8	47	78	2	NE	0.593	0.56		0.54		2.52 J	1.62 J		
Chrysene	1	47	78	1	NE	1.23	1.3	NS	1.54	NS	4.6	4.36 J	NS	NS
Dibenz(A,H)Anthracene	0.33	3.7	3.7	1000	NE	0.252	0.339		0.273		0.884 J	0.631 J		
Dibenzofuran	7	350	1000	210	NE	0.104 J	0.39 U		0.168		0.691	0.87 J		
Fluoranthene	85	500	1000	1000	NE	1.6 J	2.11		2.99		6.65	8.37 J		
Fluorene	30	500	1000	386	30	0.116 J	0.155 J		0.314		3.52	2.58 J		
Indeno(1,2,3-C,D)Pyrene	0.5	37	37	6.6	NE	1.1	1.46		0.945		3.25 J	2.29 J		

Notes:
J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
mg/kg = milligram per kilogram
NA = Not analyzed
NE = Not established
NS = Not sampled
NYSDEC = New York State Department of Environmental Conservation
OU1 = Operable Unit 1
SCO = soil cleanup objective
SVOCs = semi-volatile organic compounds
U = Indicates the analyte was analyzed for but not detected.
Bold indicates exceedance of the Commercial Use SCOs.
Yellow Highlight indicates exceedance of the Industrial Use SCOs.
Blue Font indicates exceedance of the Protection of Groundwater SCOs
Underline indicates exceedance of the Protection of Ecological Resources SCOs
Sample depths shown in inches (") or feet (').

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth																
						Sample Date																
						Units																
A6						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13				18.1 J				15.4 J											
Copper	50	280	10000	1720	50				104 J				87.9 J											
Lead	63	1000	3900	450	63	NS	NS	NS	205 J	NS	NS	NS	165 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.46				0.25											
Nickel	30	320	5900	130	30				108				25.1											
Zinc	109	10000	10000	2480	109				266 J				185 J											
A7						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	2.5	3.7	4.4	7.5	4	12.5				1												0.2 J		
Copper	50	280	10000	1720	50	97.6 BJ				119 BL												38.8 BJ		
Lead	63	1000	3900	450	63	87				394												195		
Mercury	0.18	1.1	1.1	0.73	0.18	0.7	NS	NS	NS	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.5	NS	NS
Nickel	30	320	5900	130	30	224				13.4												18.2		
Zinc	109	10000	10000	2480	109	109 B				301 B												100 B		
A8						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/17/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Barium	410	410	10000	820	433				63.2				357 J											
Copper	50	280	10000	1720	50				906 J				247											
Lead	63	1000	3900	450	63				173 J				476											
Manganese	1600	10000	10000	2000	1600	NS	NS	NS	2700 J	NS	NS	NS	343	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.68				1.9											
Nickel	30	320	5900	130	30				41500				779											
Silver	2	1700	2000	8.3	2				6.3 J				0.48 U											
Zinc	109	10000	10000	2480	109				400 J				285											
A9						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/17/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	--	--	--	--	--				8.8 UJ				0.95 UJ											
Beryllium	4.4	670	750	47	10				0.18 U				0.38 U											
Cadmium	2.5	3.7	4.4	7.5	4				2.6				0.38 UJ											
Copper	50	280	10000	1720	50	NS	NS	NS	231 J	NS	NS	NS	19.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	63	1000	3900	450	63				106 J				58.1											
Mercury	0.18	1.1	1.1	0.73	0.18				0.3				0.057											
Nickel	30	320	5900	130	30				4050				12.2											
Zinc	109	10000	10000	2480	109				220 J				48.9											
A10						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/17/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13				13 J				11.7											
Barium	410	410	10000	820	433				49.3				1210 J											
Copper	50	280	10000	1720	50				19.6 J				455											
Lead	63	1000	3900	450	63	NS	NS	NS	12.4 J	NS	NS	NS	626	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.026 U				0.48											
Nickel	30	320	5900	130	30				45.6				58.3											
Zinc	109	10000	10000	2480	109				59 J				871											
B6						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	2.5	3.7	4.4	7.5	4				3				1.6											
Copper	50	280	10000	1720	50				196 J				433 J											
Lead	63	1000	3900	450	63	NS	NS	NS	289 J	NS	NS	NS	337 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.53				0.44											
Nickel	30	320	5900	130	30				126				61.3											
Zinc	109	10000	10000	2480	109				504 J				417 J											

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																	
B7						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13	15.5 J				18.6												4.2		
Barium	410	410	10000	820	433	**434 J**				186												62.8		
Cadmium	2.5	3.7	4.4	7.5	4	15.2 J				1.7												0.058 J		
Copper	50	280	10000	1720	50	1990 BJ				**287 BJ**												28.5 BJ		
Lead	63	1000	3900	450	63	1440	NS	NS	NS	618	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	19.7	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	4.3				0.78												0.093		
Nickel	30	320	5900	130	30	798				711												26.8		
Silver	2	1700	2000	8.3	2	3.1 J				0.36 J												0.27 U		
Zinc	109	10000	10000	2480	109	2660 BJ				401 B												57.1 B		
B13						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/21/2013	2/24/2014	10/14/2014	10/13/2016	10/21/2013	2/24/2014	10/14/2014	10/13/2016	10/21/2013	2/24/2014	10/21/2013	2/24/2014	10/14/2014	10/21/2013	2/24/2014	10/14/2014	10/21/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	2.5	3.7	4.4	7.5	4	**5.2 J**				**5.3**														
Copper	50	280	10000	1720	50	**375**				**484**														
Lead	63	1000	3900	450	63	275				754														
Mercury	0.18	1.1	1.1	0.73	0.18	0.29	NS	NS	NS	0.49	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30	20900				372														
Selenium	3.9	1700	2000	4	3.9	4.6				2 J														
Silver	2	1700	2000	8.3	2	1.4				4														
Zinc	109	10000	10000	2480	109	619 B				1130 B														
B14						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/21/2013	2/24/2014	10/14/2014	10/13/2016	10/21/2013	2/24/2014	10/14/2014	10/13/2016	10/21/2013	2/24/2014	10/21/2013	2/24/2014	10/14/2014	10/21/2013	2/24/2014	10/14/2014	10/21/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13	14.9				2.3														
Cadmium	2.5	3.7	4.4	7.5	4	2.9 J				3.2														
Copper	50	280	10000	1720	50	**943**				248														
Lead	63	1000	3900	450	63	457	NS	NS	NS	1090	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	0.56				0.42 J														
Nickel	30	320	5900	130	30	16900				781														
Zinc	109	10000	10000	2480	109	600 B				511 B														
BLDG1						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/14/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13				73 UJ				44.4											
Copper	50	280	10000	1720	50				1940 J				4150											
Lead	63	1000	3900	450	63				499 J				468 J											
Manganese	1600	10000	10000	2000	1600				1520 J				5020											
Mercury	0.18	1.1	1.1	0.73	0.18	NS	NS	NS	0.79	NS	NS	NS	0.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30				60500				23500 J											
Silver	2	1700	2000	8.3	2				13 J				50.1 J											
Zinc	109	10000	10000	2480	109				1270 J				2420 J											
BLG-2						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/14/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13	32.9				14.7												13.8		
Cadmium	2.5	3.7	4.4	7.5	4	19.4				1.6												0.45		
Copper	50	280	10000	1720	50	5920 B				123 BJ												151 BJ		
Lead	63	1000	3900	450	63	443				171												371		
Manganese	1600	10000	10000	2000	1600	1810	NS	NS	NS	695	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	206	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	0.64				0.49												0.28		
Nickel	30	320	5900	130	30	23900				96.6												25.9		
Selenium	3.9	1700	2000	4	3.9	5.4				1.3 J												1.4 J		
Silver	2	1700	2000	8.3	2	8.2				0.46 J												0.29 U		
Zinc	109	10000	10000	2480	109	1560 B				388 B												306 B		

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																	
BLG-3						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	6.5				14.7												5		
Barium	410	410	10000	820	433	156				**601**												66.8		
Cadmium	2.5	3.7	4.4	7.5	4	11.1				**4.4**												0.039 U		
Copper	50	280	10000	1720	50	**979 BJ**				211 BJ												32.4 B		
Lead	63	1000	3900	450	63	459	NS	NS	NS	975	NS	NS	NS	NA	NS	NA	NS	NS	NA	NS	NS	20.4	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	0.84				1.5												0.091		
Nickel	30	320	5900	130	30	**1750**				46.9												31.4		
Silver	2	1700	2000	8.3	2	3.4				0.82												0.26 U		
Zinc	109	10000	10000	2480	109	919 B				894 B												69.1 B		
BLG-5						0-2 10/17/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/17/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/17/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/17/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/17/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/17/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Cadmium	2.5	3.7	4.4	7.5	4	11.1				0.83														
Copper	50	280	10000	1720	50	**604 BJ**				164 BJ														
Lead	63	1000	3900	450	63	223				513														
Mercury	0.18	1.1	1.1	0.73	0.18	0.35	NS	NS	NS	0.65	NS	NS	NS	NA	NS	NA	NS	NS	NA	NS	NS	NA	NS	NS
Nickel	30	320	5900	130	30	4650				63.7														
Silver	2	1700	2000	8.3	2	3.5				0.31 J														
Zinc	109	10000	10000	2480	109	477 B				365 B														
C6						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/13/2016	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				8.5 J				14.2 J											
Cadmium	2.5	3.7	4.4	7.5	4				2.6				2.3											
Copper	50	280	10000	1720	50				138 J				**338 J**											
Lead	63	1000	3900	450	63	NS	NS	NS	254 J	NS	NS	NS	608 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.28				0.57											
Nickel	30	320	5900	130	30				**912**				198											
Zinc	109	10000	10000	2480	109				437 J				637 J											
C9						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/17/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				59 UJ				17.7											
Cadmium	2.5	3.7	4.4	7.5	4				15 U				**4.6 J**											
Copper	50	280	10000	1720	50				**2440 J**				16000 J											
Lead	63	1000	3900	450	63	NS	NS	NS	669 J	NS	NS	NS	387	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				1.1				0.31											
Nickel	30	320	5900	130	30				**17500**				232 J											
Silver	2	1700	2000	8.3	2				7.8 J				5.4											
Zinc	109	10000	10000	2480	109				1490 J				733 J											
C10						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Barium	410	410	10000	820	433				101				--											
Copper	50	280	10000	1720	50				**677 J**				--											
Lead	63	1000	3900	450	63				302 J				--											
Manganese	1600	10000	10000	2000	1600	NS	NS	NS	584 J	NS	NS	NS	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.19				--											
Nickel	30	320	5900	130	30				**29100**				--											
Silver	2	1700	2000	8.3	2				2.7 J				--											
Zinc	109	10000	10000	2480	109				440 J				--											

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																
C11SW						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/17/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/17/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				4.2 U				19.9									
Barium	410	410	10000	820	433				131 J				**503 J**									
Cadmium	2.5	3.7	4.4	7.5	4				34 UJ				33.4 J									
Copper	50	280	10000	1720	50				**602**				**1330**									
Lead	63	1000	3900	450	63	NS	NS	NS	245	NS	NS	NS	1260	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	1600	10000	10000	2000	1600				1690				1320									
Mercury	0.18	1.1	1.1	0.73	0.18				0.37				5.3									
Nickel	30	320	5900	130	30				116000				5500									
Silver	2	1700	2000	8.3	2				8.5 U				5.8									
Zinc	109	10000	10000	2480	109				628				3260									
C12						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				6.9				20.2									
Barium	410	410	10000	820	433				115 J				309									
Cadmium	2.5	3.7	4.4	7.5	4				7.2 UJ				11.7									
Copper	50	280	10000	1720	50				**887**				**583**									
Lead	63	1000	3900	450	63	NS	NS	NS	583 J	NS	NS	NS	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	1600	10000	10000	2000	1600				799 J				625									
Mercury	0.18	1.1	1.1	0.73	0.18				0.73				4.3									
Nickel	30	320	5900	130	30				91100 J				13100 J									
Zinc	109	10000	10000	2480	109				906				1740									
C13						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	4.5				16.9												12.4
Barium	410	410	10000	820	433	88.2				154												**616**
Cadmium	2.5	3.7	4.4	7.5	4	3.4				**5.1**												**3.9**
Copper	50	280	10000	1720	50	270				2130												**406**
Lead	63	1000	3900	450	63	222	NS	NS	NS	712	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	722
Manganese	1600	10000	10000	2000	1600	510				2840												469
Mercury	0.18	1.1	1.1	0.73	0.18	1.5				5.8												2.1
Nickel	30	320	5900	130	30	3180				3710												53
Silver	2	1700	2000	8.3	2	0.85				3.4												0.99
Zinc	109	10000	10000	2480	109	442 B				986 B												943
C14						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Cadmium	2.5	3.7	4.4	7.5	4	2.7				7.1												
Copper	50	280	10000	1720	50	**313**				**555**												
Lead	63	1000	3900	450	63	271				604												
Mercury	0.18	1.1	1.1	0.73	0.18	0.76	NS	NS	NS	1.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30	7440				7550												
Silver	2	1700	2000	8.3	2	0.89 J				2.2 J												
Zinc	109	10000	10000	2480	109	478 B				1510 B												
C15						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Cadmium	2.5	3.7	4.4	7.5	4	9.7				1.6									0.032 U				
Copper	50	280	10000	1720	50	**558**				163									13.6				
Lead	63	1000	3900	450	63	527				384									4.5				
Mercury	0.18	1.1	1.1	0.73	0.18	1.4	NS	NS	NS	0.78	NS	NS	NS	NS	NS	NS	NS	NS	0.019 J	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30	9500				334									11.7				
Silver	2	1700	2000	8.3	2	2.6 J				0.23 U									0.22 U				
Zinc	109	10000	10000	2480	109	1090 B				440 B									28.1 B				

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																		
D1						0-2"	2"-2'																	
						10/19/2020	10/19/2020																	
						mg/kg	mg/kg																	
Arsenic	13	16	16	16	13	14.6	11.9																	
Copper	50	280	10000	1720	50	40.3	109																	
Lead	63	1000	3900	450	63	43.1 J	174 J																	
Mercury	0.18	1.1	1.1	0.73	0.18	0.072	0.25																	
Nickel	30	320	5900	130	30	34.8	40.3																	
Zinc	109	10000	10000	2480	109	388	338																	
D3						0-2"	2"-2'																	
						10/20/2020	10/20/2020																	
						mg/kg	mg/kg																	
Arsenic	13	16	16	16	13	NS	17.4																	
Zinc	109	10000	10000	2480	109		153																	
D4						0-2"	2"-2'																	
						10/19/2020	10/19/2020																	
						mg/kg	mg/kg																	
Arsenic	13	16	16	16	13	23.2	15.3																	
Copper	50	280	10000	1720	50	42.3	57.3																	
Nickel	30	320	5900	130	30	30	30.8																	
Zinc	109	10000	10000	2480	109	139	175																	
D5						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13				7.7 J				13.2 J											
Copper	50	280	10000	1720	50				19.4 J				92.8 J											
Lead	63	1000	3900	450	63	NS	NS	NS	20 J	NS	NS	NS	158 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.035 U				0.34											
Nickel	30	320	5900	130	30				25.5				31.9											
Zinc	109	10000	10000	2480	109				75.1 J				219 J											
D6						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/17/2013	2/24/2014	10/14/2014	10/13/2016	10/17/2013	2/24/2014	10/14/2014	10/14/2016	10/17/2013	2/24/2014	10/17/2013	2/24/2014	10/14/2014	10/17/2013	2/24/2014	10/14/2014	10/17/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13	11.4				25.8														
Copper	50	280	10000	1720	50	91.1 BJ				172 BJ														
Lead	63	1000	3900	450	63	142	NS	NS	NS	238	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	0.23				0.38														
Nickel	30	320	5900	130	30	70.6				72.1														
Zinc	109	10000	10000	2480	109	288 B				698 B														
D7						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/17/2013	2/24/2014	10/14/2014	10/13/2016	10/17/2013	2/24/2014	10/14/2014	10/14/2016	10/17/2013	2/24/2014	10/17/2013	2/24/2014	10/14/2014	10/17/2013	2/24/2014	10/14/2014	10/17/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13	43.8				24.4 J														
Cadmium	2.5	3.7	4.4	7.5	4	6.1				10.8														
Copper	50	280	10000	1720	50	890 B				780 BJ														
Lead	63	1000	3900	450	63	448				398														
Manganese	1600	10000	10000	2000	1600	1800	NS	NS	NS	1280	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	0.89				0.61														
Nickel	30	320	5900	130	30	20000				2250														
Selenium	3.9	1700	2000	4	3.9	4.3 J				2.5 J														
Silver	2	1700	2000	8.3	2	4.6				2.8														
Zinc	109	10000	10000	2480	109	2760 B				8950 B														

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units
D13						0-2" / 10/16/2013 / mg/kg
Arsenic	13	16	16	16	13	
Cadmium	2.5	3.7	4.4	7.5	4	
Copper	50	280	10000	1720	50	
Lead	63	1000	3900	450	63	NS
Mercury	0.18	1.1	1.1	0.73	0.18	
Nickel	30	320	5900	130	30	
Zinc	109	10000	10000	2480	109	
D14-NW						0-2" / 10/21/2013 / mg/kg
Arsenic	13	16	16	16	13	6
Barium	410	410	10000	820	433	204
Cadmium	2.5	3.7	4.4	7.5	4	**5.9**
Copper	50	280	10000	1720	50	**456**
Lead	63	1000	3900	450	63	30600
Mercury	0.18	1.1	1.1	0.73	0.18	1.1
Nickel	30	320	5900	130	30	2530
Selenium	3.9	1700	2000	4	3.9	0.84 J
Silver	2	1700	2000	8.3	2	3
Zinc	109	10000	10000	2480	109	778 B
D14-SE						0-2" / 10/21/2013 / mg/kg
Arsenic	13	16	16	16	13	30 J
Cadmium	2.5	3.7	4.4	7.5	4	**4.7 BJ**
Copper	50	280	10000	1720	50	**411**
Lead	63	1000	3900	450	63	368
Mercury	0.18	1.1	1.1	0.73	0.18	0.37
Nickel	30	320	5900	130	30	4370
Zinc	109	10000	10000	2480	109	691 BJ
D15						0-2" / 10/21/2013 / mg/kg
Cadmium	2.5	3.7	4.4	7.5	4	3.7
Copper	50	280	10000	1720	50	**979**
Lead	63	1000	3900	450	63	404
Mercury	0.18	1.1	1.1	0.73	0.18	0.77
Nickel	30	320	5900	130	30	**4640**
Zinc	109	10000	10000	2480	109	740 B
E1						0-2" / 10/19/2020 / mg/kg
Arsenic	13	16	16	16	13	14.2
Barium	410	410	10000	820	433	317
Copper	50	280	10000	1720	50	114
Lead	63	1000	3900	450	63	354 J
Mercury	0.18	1.1	1.1	0.73	0.18	0.54
Nickel	30	320	5900	130	30	55.8
Zinc	109	10000	10000	2480	109	694
E2						0-2" / 10/24/2013 / mg/kg
Arsenic	13	16	16	16	13	19.3
Barium	410	410	10000	820	433	**610**
Copper	50	280	10000	1720	50	**343 B**
Lead	63	1000	3900	450	63	**2090**
Mercury	0.18	1.1	1.1	0.73	0.18	0.77
Nickel	30	320	5900	130	30	36.9
Zinc	109	10000	10000	2480	109	810 B
E3						0-2" / 10/20/2020 / mg/kg
Arsenic	13	16	16	16	13	13.5
Copper	50	280	10000	1720	50	176
Lead	63	1000	3900	450	63	838 J
Mercury	0.18	1.1	1.1	0.73	0.18	0.89
Nickel	30	320	5900	130	30	37.7

Constituents	0-2" / 10/18/2016 / mg/kg	2"-2' / 10/16/2013 / mg/kg	2"-2' / 2/24/2014 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/18/2016 / mg/kg	2'-4' / 10/16/2013 / mg/kg	2'-4' / 2/24/2014 / mg/kg	4'-6' / 10/16/2013 / mg/kg	4'-6' / 2/24/2014 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/16/2013 / mg/kg	6'-8' / 2/24/2014 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/16/2013 / mg/kg	8'-10' / 2/24/2014 / mg/kg	8'-10' / 5/20/2015 / mg/kg
D13																
Arsenic	11.5				15.5											
Cadmium	12.9 J				0.46 J											
Copper	**1020**				48.9											
Lead	1200 J	NS	NS	NS	362 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	2.3				1.1											
Nickel	6970 J				36.8 J											
Zinc	1640				139											
D14-NW	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/21/2013 / mg/kg	2"-2' / 2/24/2014 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/14/2016 / mg/kg	2'-4' / 10/21/2013 / mg/kg	2'-4' / 2/24/2014 / mg/kg	4'-6' / 10/21/2013 / mg/kg	4'-6' / 2/24/2014 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/21/2013 / mg/kg	6'-8' / 2/24/2014 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/21/2013 / mg/kg	8'-10' / 2/24/2014 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Arsenic		15						17.3								
Barium		**665**						143								
Cadmium		**6.6**						**7.4**								
Copper		**1720**						89.8								
Lead	NS	691	NS	NS	NS	NS	NS	2570	NS	NS	NS	NS	NS	NS	NS	NS
Mercury		1.4 J						2.4								
Nickel		206						20.4								
Selenium		1.3 J						4.1 J								
Silver		1.6						0.58 J								
Zinc		1250 B						1930 B								
D14-SE	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/21/2013 / mg/kg	2"-2' / 2/24/2014 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/14/2016 / mg/kg	2'-4' / 10/21/2013 / mg/kg	2'-4' / 2/24/2014 / mg/kg	4'-6' / 10/21/2013 / mg/kg	4'-6' / 2/24/2014 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/21/2013 / mg/kg	6'-8' / 2/24/2014 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/21/2013 / mg/kg	8'-10' / 2/24/2014 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Arsenic		7.2						5.5			2.7					
Cadmium		0.18 J									0.037 U					
Copper		22.5									12.7					
Lead	NS	68.3	NS	NS	NS	NS	NS	NS	NS	NS	5.3	NS	NS	NS	NS	NS
Mercury		0.22									0.011 U					
Nickel		18.8									17.5					
Zinc		64 B									36.5 B					
D15	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/21/2013 / mg/kg	2"-2' / 2/24/2014 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/14/2016 / mg/kg	2'-4' / 10/21/2013 / mg/kg	2'-4' / 2/24/2014 / mg/kg	4'-6' / 10/21/2013 / mg/kg	4'-6' / 2/24/2014 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/21/2013 / mg/kg	6'-8' / 2/24/2014 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/21/2013 / mg/kg	8'-10' / 2/24/2014 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Cadmium		0.33						0.035 U								
Copper		34						12								
Lead	NS	59.4	NS	NS	NS	NS	NS	5.2	NS	NS	NS	NS	NS	NS	NS	NS
Mercury		0.14						0.018 J								
Nickel		34.2						13.9								
Zinc		73.9 B						33.3 B								
E1	0-2" / 10/19/2020 / mg/kg	2"-2' / 10/19/2020 / mg/kg														
Arsenic	16	43.1														
Barium	433	**725**														
Copper	50	**290**														
Lead	63	1150 J														
Mercury	0.18	1.6														
Nickel	30	83.3														
Zinc	109	941														
E2	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/24/2013 / mg/kg	2"-2' / 2/24/2014 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/14/2016 / mg/kg	2'-4' / 10/24/2013 / mg/kg	2'-4' / 2/24/2014 / mg/kg	4'-6' / 10/24/2013 / mg/kg	4'-6' / 2/24/2014 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/24/2013 / mg/kg	6'-8' / 2/24/2014 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/24/2013 / mg/kg	8'-10' / 2/24/2014 / mg/kg	8'-10' / 5/20/2015 / mg/kg
Arsenic		10.1						5.5								
Barium		109						98.3								
Copper		34.4 B						42.7 B								
Lead	NS	19.7	NS	NS	NS	NS	NS	42.8	NS	NS	NS	NS	NS	NS	NS	NS
Mercury		0.063						0.18								
Nickel		34						29.7								
Zinc		103 B						91.9 B								
E3	0-2" / 10/20/2020 / mg/kg	2"-2' / 10/20/2020 / mg/kg														
Arsenic	13.5	15 U														
Copper	176	199														
Lead	838 J	494 J														
Mercury	0.89	4														
Nickel	37.7	48.3														

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																	
Zinc	109	10000	10000	2480	109	557	427																
E4						**0-2"**	**2"-2'**																
						10/20/2020	**10/20/2020**																
						mg/kg	**mg/kg**																
Arsenic	13	16	16	16	13	17.9	23.7																
Barium	410	410	10000	820	433	286	**457**																
Cadmium	2.5	3.7	4.4	7.5	4	2.9	**4.5**																
Copper	50	280	10000	1720	50	183	234																
Lead	63	1000	3900	450	63	803 J	778 J																
Mercury	0.18	1.1	1.1	0.73	0.18	1	1.3																
Nickel	30	320	5900	130	30	48.3	39.2																
Silver	2	1700	2000	8.3	2	2.3	3 U																
Zinc	109	10000	10000	2480	109	627	837																
E5						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/16/2013	**2/24/2014**	**10/14/2014**	**10/13/2016**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/13/2016**	**10/16/2013**	**2/24/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13				28.1 J				5.8 J										
Barium	410	410	10000	820	433				929				879										
Cadmium	2.5	3.7	4.4	7.5	4				36.5				3										
Copper	50	280	10000	1720	50	NS	NS	NS	4400 J	NS	NS	NS	51.2 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	63	1000	3900	450	63				2060 J				2060 J										
Mercury	0.18	1.1	1.1	0.73	0.18				0.19				0.45										
Nickel	30	320	5900	130	30				3760				75.6										
Zinc	109	10000	10000	2480	109				25800 J				811 J										
E6						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/22/2013	**2/24/2014**	**10/14/2014**	**10/13/2016**	**10/22/2013**	**2/24/2014**	**10/14/2014**	**10/14/2016**	**10/22/2013**	**2/24/2014**	**10/22/2013**	**2/24/2014**	**10/14/2014**	**10/22/2013**	**2/24/2014**	**10/14/2014**	**10/22/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13	9.4				15.9									9.2					
Barium	410	410	10000	820	433	**475**				327									93.9					
Cadmium	2.5	3.7	4.4	7.5	4	23.9				**6.3**									0.53					
Copper	50	280	10000	1720	50	2110	NS	NS	NS	**418**	NS	NS	NS	NS	NS	NS	NS	NS	38.3	NS	NS	NS	NS	NS
Lead	63	1000	3900	450	63	1890				873									61					
Mercury	0.18	1.1	1.1	0.73	0.18	3.9				1.2									2					
Nickel	30	320	5900	130	30	801				547									42.1					
Zinc	109	10000	10000	2480	109	3500 BJ				1070 B									131 B					
E7						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/16/2013	**2/24/2014**	**10/14/2014**	**10/13/2016**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/13/2016**	**10/16/2013**	**2/24/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Copper	50	280	10000	1720	50				2230 J				2340 J										
Lead	63	1000	3900	450	63				1160 J				576 J										
Manganese	1600	10000	10000	2000	1600				1900 J				2770 J										
Mercury	0.18	1.1	1.1	0.73	0.18	NS	NS	NS	1.5	NS	NS	NS	0.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30				11400				45300										
Silver	2	1700	2000	8.3	2				4 J				15 U										
Zinc	109	10000	10000	2480	109				3860 J				2730 J										

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																
E8						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Barium	410	410	10000	820	433	363	NS	NS	NS	102	NS	NS	NS	NS	NS	109	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	2.5	3.7	4.4	7.5	4	12.3				0.47						0.045 J								
Copper	50	280	10000	1720	50	2730				149						33.2								
Lead	63	1000	3900	450	63	2160				185						23.8								
Manganese	1600	10000	10000	2000	1600	2090				182						289								
Mercury	0.18	1.1	1.1	0.73	0.18	2				0.34						0.098								
Nickel	30	320	5900	130	30	1690				23						34.8								
Selenium	3.9	1700	2000	4	3.9	7.5				0.67 J						1.1 J								
Silver	2	1700	2000	8.3	2	5.3				0.22 U						0.28 U								
Zinc	109	10000	10000	2480	109	3140 B				268 B						87.6 B								
E9						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	6.9	NS	NS	NS	21.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	2.5	3.7	4.4	7.5	4	11.3				7.1														
Copper	50	280	10000	1720	50	1610				1050														
Lead	63	1000	3900	450	63	1030				965														
Mercury	0.18	1.1	1.1	0.73	0.18	1.8				1.5														
Nickel	30	320	5900	130	30	1470				1130														
Selenium	3.9	1700	2000	4	3.9	4.9				2.2 J														
Silver	2	1700	2000	8.3	2	7.9				2.9														
Zinc	109	10000	10000	2480	109	1550 B				1580 B														
E10						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	232 UJ	NS	NS	NS	17.2	NS	NS	NS	NS	NS	4.7	NS	NS	NS	NS	NS	NS	NS	NS
Barium	410	410	10000	820	433	139 J				401						89.5								
Cadmium	2.5	3.7	4.4	7.5	4	10.9				2.4						0.083 J								
Copper	50	280	10000	1720	50	1200				314						35.3								
Lead	63	1000	3900	450	63	511				715						25								
Mercury	0.18	1.1	1.1	0.73	0.18	1.4				1.2						0.053								
Nickel	30	320	5900	130	30	8190 J				69.9						43.6								
Selenium	3.9	1700	2000	4	3.9	4.1 J				1.3 J						0.78 J								
Silver	2	1700	2000	8.3	2	6.6 J				1.1						0.23 U								
Zinc	109	10000	10000	2480	109	1360 BJ				730 B						83.5 B								
E11						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	71.9	NS	NS	NS	91.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	2.5	3.7	4.4	7.5	4	18.2 J				11.1 J														
Copper	50	280	10000	1720	50	510				583														
Lead	63	1000	3900	450	63	699 J				715 J														
Mercury	0.18	1.1	1.1	0.73	0.18	2.1				2														
Nickel	30	320	5900	130	30	247 J				243 J														
Zinc	109	10000	10000	2480	109	1860				1910														
E12						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	19.2	NS	NS	NS	12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	410	410	10000	820	433	402 J				227 J														
Cadmium	2.5	3.7	4.4	7.5	4	19.2 J				9.2 J														
Copper	50	280	10000	1720	50	7380				967														
Lead	63	1000	3900	450	63	1360 J				599 J														
Mercury	0.18	1.1	1.1	0.73	0.18	2.7				1.7														
Nickel	30	320	5900	130	30	8120 J				4310 J														
Silver	2	1700	2000	8.3	2	7.4				3.5														
Zinc	109	10000	10000	2480	109	2780				957														

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth																
						Sample Date																
						Units																
E13						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/18/2016	10/16/2013	2/24/2014	10/14/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13				15.5				13.8											
Cadmium	2.5	3.7	4.4	7.5	4				15.2 J				3.7 J											
Copper	50	280	10000	1720	50				3060				**794**											
Lead	63	1000	3900	450	63	NS	NS	NS	1300 J	NS	NS	NS	331 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				2.9				0.98											
Nickel	30	320	5900	130	30				12000 J				692 J											
Zinc	109	10000	10000	2480	109				1720				532											
E14						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/18/2016	10/16/2013	2/24/2014	10/14/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13				17.5				7.3											
Barium	410	410	10000	820	433				339 J				119 J											
Cadmium	2.5	3.7	4.4	7.5	4				20.1 J				**4.8 J**											
Copper	50	280	10000	1720	50				7200				268											
Lead	63	1000	3900	450	63	NS	NS	NS	1310 J	NS	NS	NS	310 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				3				0.63											
Nickel	30	320	5900	130	30				4670 J				635 J											
Zinc	109	10000	10000	2480	109				4070				876											
E15						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/18/2016	10/16/2013	2/24/2014	10/14/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Copper	50	280	10000	1720	50				63.9				12.5											
Lead	63	1000	3900	450	63	NS	NS	NS	91.4 J	NS	NS	NS	17.4 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30				4810 J				68.9 J											
Zinc	109	10000	10000	2480	109				138				68.9											
F1						0-2"	2"-2'																	
						10/19/2020	10/19/2020																	
						mg/kg	mg/kg																	
Arsenic	13	16	16	16	13	12.2	23.8																	
Barium	410	410	10000	820	433	217	**440**																	
Cadmium	2.5	3.7	4.4	7.5	4	1.5	2.6																	
Copper	50	280	10000	1720	50	114	**335**																	
Lead	63	1000	3900	450	63	649 J	987 J																	
Mercury	0.18	1.1	1.1	0.73	0.18	0.61	0.52																	
Nickel	30	320	5900	130	30	30.4	40.3																	
Zinc	109	10000	10000	2480	109	433	720																	
F2						0-2"	2"-2'																	
						10/20/2020	10/20/2020																	
						mg/kg	mg/kg																	
Arsenic	13	16	16	16	13	15.5 J	12 J																	
Copper	50	280	10000	1720	50	89.2 J	79.9 J																	
Lead	63	1000	3900	450	63	313	256																	
Mercury	0.18	1.1	1.1	0.73	0.18	0.27 J	0.37 J																	
Nickel	30	320	5900	130	30	39.5 J	38.5 J																	
Zinc	109	10000	10000	2480	109	269 J	283 J																	
F3						0-2"	2"-2'																	
						10/20/2020	10/20/2020																	
						mg/kg	mg/kg																	
Arsenic	13	16	16	16	13	18.2 J	19 J																	
Barium	410	410	10000	820	433	186 J	**455 J**																	
Copper	50	280	10000	1720	50	150 J	214 J																	
Lead	63	1000	3900	450	63	368	548																	
Mercury	0.18	1.1	1.1	0.73	0.18	0.3 J	0.47 J																	
Nickel	30	320	5900	130	30	75.7 J	36 J																	
Zinc	109	10000	10000	2480	109	897 J	489 J																	

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																		
						F4	0-2"	2"-2'																
							10/20/2020	10/20/2020																
							mg/kg	mg/kg																
Arsenic	13	16	16	16	13		14.7 J	15.1 J																
Barium	410	410	10000	820	433		315 J	363 J																
Cadmium	2.5	3.7	4.4	7.5	4		**4.2 J**	**4 J**																
Copper	50	280	10000	1720	50		140 J	**1610 J**																
Lead	63	1000	3900	450	63		406	1020																
Mercury	0.18	1.1	1.1	0.73	0.18		0.53 J	0.71 J																
Nickel	30	320	5900	130	30		63.3 J	38.7 J																
Zinc	109	10000	10000	2480	109		997 J	756 J																
						F5	0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
							10/16/2013	2/24/2014	10/14/2014	10/13/2016	10/16/2013	2/24/2014	10/14/2014	10/17/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13					33.6 J				23.1										
Barium	410	410	10000	820	433					**458**				319 J										
Cadmium	2.5	3.7	4.4	7.5	4					124				15.1 J										
Copper	50	280	10000	1720	50					2780 J				**726**										
Lead	63	1000	3900	450	63					4410 J				607										
Manganese	1600	10000	10000	2000	1600		NS	NS	NS	1620 J	NS	NS	NS	1830	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18					5.3				1.6										
Nickel	30	320	5900	130	30					2930				622										
Silver	2	1700	2000	8.3	2					4 J				2.6 U										
Zinc	109	10000	10000	2480	109					5150 J				1230										
						F6	0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
							10/22/2013	2/24/2014	10/14/2014	10/13/2016	10/22/2013	2/24/2014	10/14/2014	10/14/2016	10/22/2013	2/24/2014	10/22/2013	2/24/2014	10/14/2014	10/22/2013	2/24/2014	10/14/2014	10/22/2013	2/24/2014	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13		19.3 J				23.8													
Barium	410	410	10000	820	433		**572**				**718**													
Cadmium	2.5	3.7	4.4	7.5	4		17.1 J				8.1													
Copper	50	280	10000	1720	50		7480				**693**													
Lead	63	1000	3900	450	63		1910	NS	NS	NS	1530	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18		15.6				1.4													
Nickel	30	320	5900	130	30		747				299													
Silver	2	1700	2000	8.3	2		5 J				0.3 J													
Zinc	109	10000	10000	2480	109		2290 B				1240 B													
						F7	0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
							10/23/2013	2/24/2014	10/14/2014	10/13/2016	10/23/2013	2/24/2014	10/14/2014	10/14/2016	10/23/2013	2/24/2014	10/23/2013	2/24/2014	10/14/2014	10/23/2013	2/24/2014	10/14/2014	10/23/2013	2/24/2014	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Barium	410	410	10000	820	433		**478**				117													
Cadmium	2.5	3.7	4.4	7.5	4		16.5				0.94													
Copper	50	280	10000	1720	50		**986**				58.1													
Lead	63	1000	3900	450	63		1550	NS	NS	NS	240	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18		1.9				0.34													
Nickel	30	320	5900	130	30		580				23.7													
Zinc	109	10000	10000	2480	109		2280 B				242 B													
						F8	0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
							10/22/2013	2/24/2014	10/14/2014	10/13/2016	10/22/2013	2/24/2014	10/14/2014	10/14/2016	10/22/2013	2/24/2014	10/22/2013	2/24/2014	10/14/2014	10/22/2013	2/24/2014	10/14/2014	10/22/2013	2/24/2014	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13		19.4																	
Barium	410	410	10000	820	433		**541**																	
Cadmium	2.5	3.7	4.4	7.5	4		17.7																	
Copper	50	280	10000	1720	50		**1360**																	
Lead	63	1000	3900	450	63		1330	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18		2.7																	
Nickel	30	320	5900	130	30		1930																	
Silver	2	1700	2000	8.3	2		2.7																	
Zinc	109	10000	10000	2480	109		2370 B																	

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																
F9						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	0.57 J				13.9									7.3					
Cadmium	2.5	3.7	4.4	7.5	4	16.6 B				**6.3**									0.077 J					
Copper	50	280	10000	1720	50	5420				**489**									39.8					
Lead	63	1000	3900	450	63	2900	NS	NS	NS	1680	NS	NS	NS	NS	NS	NS	NS	NS	41.2	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	1.7				0.8									0.15					
Nickel	30	320	5900	130	30	1120				209									34.8					
Silver	2	1700	2000	8.3	2	5.5				1.4									0.29 U					
Zinc	109	10000	10000	2480	109	3930 B				945 BJ									90.4 B					
F10						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	15200 J				18														9.4
Cadmium	2.5	3.7	4.4	7.5	4	**7.5**				0.91														0.74
Copper	50	280	10000	1720	50	1870				**378**														57.7
Lead	63	1000	3900	450	63	655				165														79.1
Manganese	1600	10000	10000	2000	1600	5680	NS	NS	NS	1300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	175
Mercury	0.18	1.1	1.1	0.73	0.18	1.4				0.23														0.56
Nickel	30	320	5900	130	30	27900				374														37.4
Selenium	3.9	1700	2000	4	3.9	5.2				2.9 J														0.95 U
Silver	2	1700	2000	8.3	2	7.6				1.2 U														0.47 U
Zinc	109	10000	10000	2480	109	1370 B				402 B														390
F11						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				23.1				15.8											
Cadmium	2.5	3.7	4.4	7.5	4				13.8 J				28 J											
Copper	50	280	10000	1720	50				1970				**525**											
Lead	63	1000	3900	450	63				483 J				551 J											
Manganese	1600	10000	10000	2000	1600	NS	NS	NS	2420 J	NS	NS	NS	785 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				2.1				0.83											
Nickel	30	320	5900	130	30				11900 J				3880 J											
Silver	2	1700	2000	8.3	2				138				0.5 U											
Zinc	109	10000	10000	2480	109				2490				3400											
F12						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				15.3				28.1											
Barium	410	410	10000	820	433				293 J				**553 J**											
Cadmium	2.5	3.7	4.4	7.5	4				**4.1 J**				3 J											
Copper	50	280	10000	1720	50	NS	NS	NS	**871**	NS	NS	NS	250	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	63	1000	3900	450	63				506 J				468 J											
Mercury	0.18	1.1	1.1	0.73	0.18				1.4				0.2											
Nickel	30	320	5900	130	30				232 J				67.2 J											
Zinc	109	10000	10000	2480	109				780				861											
F13						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Cadmium	2.5	3.7	4.4	7.5	4				**4.5 J**				2.3 J											
Copper	50	280	10000	1720	50				**506**				**688**											
Lead	63	1000	3900	450	63				414 J				377 J											
Mercury	0.18	1.1	1.1	0.73	0.18	NS	NS	NS	1.6	NS	NS	NS	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30				252 J				74.1 J											
Zinc	109	10000	10000	2480	109				1210				440											
F14						0-2" 10/19/2020 mg/kg	2"-2' 10/19/2020 mg/kg																	
Lead	63	1000	3900	450	63	NS	318																	
Zinc	109	10000	10000	2480	109		138 J																	

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth																		
						Sample Date																		
						Units																		
G1						**0-2"**	**2"-2'**																	
						10/20/2020	**10/20/2020**																	
						mg/kg	**mg/kg**																	
Copper	50	280	10000	1720	50	142	155																	
Lead	63	1000	3900	450	63	403 J	484 J																	
Mercury	0.18	1.1	1.1	0.73	0.18	0.63	0.75																	
Nickel	30	320	5900	130	30	30.7	25.7																	
Zinc	109	10000	10000	2480	109	395	396																	
G2						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/24/2013	**2/24/2014**	**10/14/2014**	**10/13/2016**	**10/24/2013**	**2/24/2014**	**10/14/2014**	**10/14/2016**	**10/24/2013**	**2/24/2014**	**10/24/2013**	**2/24/2014**	**10/14/2014**	**10/24/2013**	**2/24/2014**	**10/14/2014**	**10/24/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13	13				20.3						15.9								
Cadmium	2.5	3.7	4.4	7.5	4	1.6				1.8						15.6								
Copper	50	280	10000	1720	50	116 B				196 B						**1100 B**								
Lead	63	1000	3900	450	63	369	NS	NS	NS	661	NS	NS	NS	NS	NS	356	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	0.2				0.97						0.52								
Nickel	30	320	5900	130	30	49.2				32.2						25.3								
Zinc	109	10000	10000	2480	109	426 B				1270 B						321 B								
G3						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/23/2014	**2/24/2014**	**10/14/2014**	**10/13/2016**	**10/23/2014**	**2/24/2014**	**10/14/2014**	**10/14/2016**	**10/23/2014**	**2/24/2014**	**10/23/2014**	**2/24/2014**	**10/14/2014**	**10/23/2014**	**2/24/2014**	**10/14/2014**	**10/23/2014**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13	25.2				18.5						18.8								
Barium	410	410	10000	820	433	**651**				**628**						327								
Cadmium	2.5	3.7	4.4	7.5	4	3.1				**4.5**						**4.5**								
Copper	50	280	10000	1720	50	**349 B**	NS	NS	NS	**315 B**	NS	NS	NS	NS	NS	**1720 B**	NS	NS	NS	NS	NS	NS	NS	NS
Lead	63	1000	3900	450	63	902				766						736								
Mercury	0.18	1.1	1.1	0.73	0.18	0.52				0.62						1.4								
Nickel	30	320	5900	130	30	71.3				34.6						40.1								
Zinc	109	10000	10000	2480	109	985 B				1060 B						1300 B								
G4						**0-2"**	**2"-2'**																	
						10/20/2020	**10/20/2020**																	
						mg/kg	**mg/kg**																	
Copper	50	280	10000	1720	50		102 J																	
Lead	63	1000	3900	450	63		320																	
Mercury	0.18	1.1	1.1	0.73	0.18	NS	0.91 J																	
Nickel	30	320	5900	130	30		45.6 J																	
Zinc	109	10000	10000	2480	109		411 J																	
G5						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/16/2013	**2/24/2014**	**10/14/2014**	**10/17/2016**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/17/2016**	**10/16/2013**	**2/24/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13				19.1				10.6											
Barium	410	410	10000	820	433				**420 J**				198 J											
Cadmium	2.5	3.7	4.4	7.5	4				682 J				2.2 J											
Copper	50	280	10000	1720	50				2380				163											
Lead	63	1000	3900	450	63	NS	NS	NS	1360	NS	NS	NS	361	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				3.4				0.45											
Nickel	30	320	5900	130	30				10200				74.5											
Silver	2	1700	2000	8.3	2				7.8				0.43 U											
Zinc	109	10000	10000	2480	109				3910				300											
G6						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/16/2013	**2/24/2014**	**10/14/2014**	**10/17/2016**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/17/2016**	**10/16/2013**	**2/24/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13				35.1				30.2											
Barium	410	410	10000	820	433				858 J				**537 J**											
Cadmium	2.5	3.7	4.4	7.5	4				8.9 J				9.1 J											
Copper	50	280	10000	1720	50				**769**				**1620**											
Lead	63	1000	3900	450	63	NS	NS	NS	2470	NS	NS	NS	2820	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				1.4				2.3											
Nickel	30	320	5900	130	30				418				99.8											
Silver	2	1700	2000	8.3	2				4.9				3.8											
Zinc	109	10000	10000	2480	109				1460				4540											

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units
G7						**0-2" / 10/22/2013 / mg/kg**
Arsenic	13	16	16	16	13	20.8
Barium	410	410	10000	820	433	**480**
Cadmium	2.5	3.7	4.4	7.5	4	15.2
Copper	50	280	10000	1720	50	**852**
Lead	63	1000	3900	450	63	2530
Mercury	0.18	1.1	1.1	0.73	0.18	3.2
Nickel	30	320	5900	130	30	2690
Silver	2	1700	2000	8.3	2	2.9 J
Zinc	109	10000	10000	2480	109	1780 B
G8						**0-2" / 10/22/2013 / mg/kg**
Arsenic	13	16	16	16	13	5.3
Barium	410	410	10000	820	433	**516**
Cadmium	2.5	3.7	4.4	7.5	4	16.2
Copper	50	280	10000	1720	50	**547**
Lead	63	1000	3900	450	63	897
Mercury	0.18	1.1	1.1	0.73	0.18	4.9
Nickel	30	320	5900	130	30	3300
Silver	2	1700	2000	8.3	2	3.5
Zinc	109	10000	10000	2480	109	1170 B
G9						**0-2" / 10/21/2013 / mg/kg**
Arsenic	13	16	16	16	13	30.2
Barium	410	410	10000	820	433	7350
Cadmium	2.5	3.7	4.4	7.5	4	32.6
Copper	50	280	10000	1720	50	**732**
Lead	63	1000	3900	450	63	1160
Mercury	0.18	1.1	1.1	0.73	0.18	2.2
Nickel	30	320	5900	130	30	1360
Silver	2	1700	2000	8.3	2	2.8
Zinc	109	10000	10000	2480	109	10600 B
G11						**0-2" / 10/16/2013 / mg/kg**
Arsenic	13	16	16	16	13	
Barium	410	410	10000	820	433	
Cadmium	2.5	3.7	4.4	7.5	4	
Copper	50	280	10000	1720	50	
Lead	63	1000	3900	450	63	
Manganese	1600	10000	10000	2000	1600	
Mercury	0.18	1.1	1.1	0.73	0.18	
Nickel	30	320	5900	130	30	
Silver	2	1700	2000	8.3	2	
Zinc	109	10000	10000	2480	109	
G12						**0-2" / 10/21/2013 / mg/kg**
Arsenic	13	16	16	16	13	15.8
Barium	410	410	10000	820	433	890
Cadmium	2.5	3.7	4.4	7.5	4	12.4
Copper	50	280	10000	1720	50	**1080**
Lead	63	1000	3900	450	63	818
Mercury	0.18	1.1	1.1	0.73	0.18	1.5
Nickel	30	320	5900	130	30	241
Silver	2	1700	2000	8.3	2	3.4
Zinc	109	10000	10000	2480	109	1900 B

Sample Depth / Sample Date / Units																			
0-2" / 2/24/2014 / mg/kg	0-2" / 10/14/2014 / mg/kg	0-2" / 10/13/2016 / mg/kg	2"-2' / 10/22/2013 / mg/kg	2"-2' / 2/24/2014 / mg/kg	2"-2' / 10/14/2014 / mg/kg	2"-2' / 10/14/2016 / mg/kg	2'-4' / 10/22/2013 / mg/kg	2'-4' / 2/24/2014 / mg/kg	4'-6' / 10/22/2013 / mg/kg	4'-6' / 2/24/2014 / mg/kg	4'-6' / 10/14/2014 / mg/kg	6'-8' / 10/22/2013 / mg/kg	6'-8' / 2/24/2014 / mg/kg	6'-8' / 10/14/2014 / mg/kg	8'-10' / 10/22/2013 / mg/kg	8'-10' / 2/24/2014 / mg/kg	8'-10' / 5/20/2015 / mg/kg
			18.5															
			753															
			7.2															
			941															
NS	NS	NS	3100	NS	NS	NS	NA	NS	NA	NS	NS	NA	NS	NS	NS	NS	NS	
			0.48															
			240															
			0.52 J															
			1300 B															
0-2" / 2/24/2014 / mg/kg	**0-2" / 10/14/2014 / mg/kg**	**0-2" / 10/13/2016 / mg/kg**	**2"-2' / 10/22/2013 / mg/kg**	**2"-2' / 2/24/2014 / mg/kg**	**2"-2' / 10/14/2014 / mg/kg**	**2"-2' / 10/14/2016 / mg/kg**	**2'-4' / 10/22/2013 / mg/kg**	**2'-4' / 2/24/2014 / mg/kg**	**4'-6' / 10/22/2013 / mg/kg**	**4'-6' / 2/24/2014 / mg/kg**	**4'-6' / 10/14/2014 / mg/kg**	**6'-8' / 10/22/2013 / mg/kg**	**6'-8' / 2/24/2014 / mg/kg**	**6'-8' / 10/14/2014 / mg/kg**	**8'-10' / 10/22/2013 / mg/kg**	**8'-10' / 2/24/2014 / mg/kg**	**8'-10' / 5/20/2015 / mg/kg**
			12.7									19.1					
			236									1120					
			2									0.2 U					
			140									**1290**					
NS	NS	NS	445	NS	NS	NS	NA	NS	NA	NS	NS	1190	NS	NS	NS	NS	NS	
			0.37									0.29						
			38.1									111						
			0.22 U									1.3 U						
			432 B									725 B						
0-2" / 2/24/2014 / mg/kg	**0-2" / 10/14/2014 / mg/kg**	**0-2" / 10/13/2016 / mg/kg**	**2"-2' / 10/21/2013 / mg/kg**	**2"-2' / 2/24/2014 / mg/kg**	**2"-2' / 10/14/2014 / mg/kg**	**2"-2' / 10/14/2016 / mg/kg**	**2'-4' / 10/21/2013 / mg/kg**	**2'-4' / 2/24/2014 / mg/kg**	**4'-6' / 10/21/2013 / mg/kg**	**4'-6' / 2/24/2014 / mg/kg**	**4'-6' / 10/14/2014 / mg/kg**	**6'-8' / 10/21/2013 / mg/kg**	**6'-8' / 2/24/2014 / mg/kg**	**6'-8' / 10/14/2014 / mg/kg**	**8'-10' / 10/21/2013 / mg/kg**	**8'-10' / 2/24/2014 / mg/kg**	**8'-10' / 5/20/2015 / mg/kg**
			21.3															
			533															
			3.7															
			446															
NS	NS	NS	36200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
			0.45															
			200															
			1.3															
			758 B															
0-2" / 2/24/2014 / mg/kg	**0-2" / 10/14/2014 / mg/kg**	**0-2" / 10/18/2016 / mg/kg**	**2"-2' / 10/16/2013 / mg/kg**	**2"-2' / 2/24/2014 / mg/kg**	**2"-2' / 10/14/2014 / mg/kg**	**2"-2' / 10/18/2016 / mg/kg**	**2'-4' / 10/16/2013 / mg/kg**	**2'-4' / 2/24/2014 / mg/kg**	**4'-6' / 10/16/2013 / mg/kg**	**4'-6' / 2/24/2014 / mg/kg**	**4'-6' / 10/14/2014 / mg/kg**	**6'-8' / 10/16/2013 / mg/kg**	**6'-8' / 2/24/2014 / mg/kg**	**6'-8' / 10/14/2014 / mg/kg**	**8'-10' / 10/16/2013 / mg/kg**	**8'-10' / 2/24/2014 / mg/kg**	**8'-10' / 5/20/2015 / mg/kg**
		14.4				15.7											
		231 J				**466 J**											
		15.3 J				14.8 J											
		1540				**1710**											
NS	NS	1260 J	NS	NS	NS	3580 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
		1360 J				6090 J											
		3.9				3.9											
		6280 J				740 J											
		2.1				8.6											
		2380				2550											
0-2" / 2/24/2014 / mg/kg	**0-2" / 10/14/2014 / mg/kg**	**0-2" / 10/13/2016 / mg/kg**	**2"-2' / 10/21/2013 / mg/kg**	**2"-2' / 2/24/2014 / mg/kg**	**2"-2' / 10/14/2014 / mg/kg**	**2"-2' / 10/14/2016 / mg/kg**	**2'-4' / 10/21/2013 / mg/kg**	**2'-4' / 2/24/2014 / mg/kg**	**4'-6' / 10/21/2013 / mg/kg**	**4'-6' / 2/24/2014 / mg/kg**	**4'-6' / 10/14/2014 / mg/kg**	**6'-8' / 10/21/2013 / mg/kg**	**6'-8' / 2/24/2014 / mg/kg**	**6'-8' / 10/14/2014 / mg/kg**	**8'-10' / 10/21/2013 / mg/kg**	**8'-10' / 2/24/2014 / mg/kg**	**8'-10' / 5/20/2015 / mg/kg**
			35.5						4.3								
			152						56.4								
			2						0.044 U								
			1720						24.9								
NS	NS	NS	361	NS	NS	NS	NS	NS	11	NS	NS	NS	NS	NS	NS	NS	NS	
			1						0.019 j								
			76						23.9								
			1.7						0.29 U								
			637 B						56.8 B								

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																	
G13						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	19.2	NS	NS	NS	6.4	NS	NS	NS	NA	NS	2.5	NS	NS	NS	NS	NS	NS	NS
Barium	410	410	10000	820	433	**761**				127						18.2							
Cadmium	2.5	3.7	4.4	7.5	4	24.2				2.1						0.049 J							
Copper	50	280	10000	1720	50	**979**				175						22.2							
Lead	63	1000	3900	450	63	**2840**				467						9.3							
Mercury	0.18	1.1	1.1	0.73	0.18	2.1				0.26						0.017 J							
Nickel	30	320	5900	130	30	**353**				41.1						19.7							
Selenium	3.9	1700	2000	4	3.9	5 J				0.47 U						0.46 J							
Silver	2	1700	2000	8.3	2	2.1 J				0.23 U						0.23 U							
Zinc	109	10000	10000	2480	109	5830 B				455 B						44 B							
G14						0-2" 10/22/2020 mg/kg	2"-2' 10/22/2020 mg/kg																
Arsenic	13	16	16	16	13	16.6 J	11.5 J																
Copper	50	280	10000	1720	50	88.9 J	98.7 J																
Lead	63	1000	3900	450	63	245	264																
Mercury	0.18	1.1	1.1	0.73	0.18	0.43 J	0.61 J																
Nickel	30	320	5900	130	30	84.9 J	22.6 J																
Zinc	109	10000	10000	2480	109	258 J	198 J																
H1						0-2" 10/23/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-0.167" 10/19/2020 mg/kg	2"-2' 10/23/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	0.167"-2' 10/19/2020 mg/kg	2'-4' 10/23/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/23/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/23/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/23/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	NS	NS	NS	16.5	NS	NS	NS	16.1	NS	NS		NS	NS	NS	NS	NS	NS	NS
Barium	410	410	10000	820	433				272				**530**										
Cadmium	2.5	3.7	4.4	7.5	4				2.9				1.7										
Copper	50	280	10000	1720	50				155				94.5			204							
Lead	63	1000	3900	450	63				508 J				954 J										
Mercury	0.18	1.1	1.1	0.73	0.18				0.57				0.63			0.48							
Nickel	30	320	5900	130	30				41.9				29.4			33.9							
Zinc	109	10000	10000	2480	109				571				525			113 B							
H2						0-2" 10/24/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/23/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/24/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/24/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/24/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/24/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	30.9	NS	NS	NS	13.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	9.4
Barium	410	410	10000	820	433	**519**				279														112
Cadmium	2.5	3.7	4.4	7.5	4	**4.9**				3.7														**3.9**
Copper	50	280	10000	1720	50	248 B				172 B														**356**
Lead	63	1000	3900	450	63	1080				1040														479
Mercury	0.18	1.1	1.1	0.73	0.18	1.2				0.81														1.3
Nickel	30	320	5900	130	30	77				55.2														16.1
Zinc	109	10000	10000	2480	109	1120 B				796 B														1700
H3						0-2" 10/24/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/24/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/24/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/24/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/24/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/24/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	21	NS	NS	NS	25.8	NS	NS	NS	NS	NS	30.9	NS	NS	NS	NS	NS	NS	NS	NS
Barium	410	410	10000	820	433	333				**597**						**773**								
Cadmium	2.5	3.7	4.4	7.5	4	3.2				**4.9**						**5.1**								
Copper	50	280	10000	1720	50	180 B				**329 B**						**367 B**								
Lead	63	1000	3900	450	63	823				1980						1820								
Mercury	0.18	1.1	1.1	0.73	0.18	0.65				2.4						1.9								
Nickel	30	320	5900	130	30	39.6				65						31.1								
Selenium	3.9	1700	2000	4	3.9	1.3 J				1.8 J						6.7								
Silver	2	1700	2000	8.3	2	0.75				0.62 J						2.2								
Zinc	109	10000	10000	2480	109	777 B				1220 B						709 B								

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																				
H4						**0-2"**	**2"-2'**																			
						10/22/2020	**10/22/2020**																			
						mg/kg	**mg/kg**																			
Arsenic	13	16	16	16	13	17.3 J	6.2 J																			
Barium	410	410	10000	820	433	353 J	203 J																			
Cadmium	2.5	3.7	4.4	7.5	4	**5.4 J**	**4.7 J**																			
Copper	50	280	10000	1720	50	**291 J**	67 J																			
Lead	63	1000	3900	450	63	1110	234 J																			
Mercury	0.18	1.1	1.1	0.73	0.18	1.2 J	0.39 J																			
Nickel	30	320	5900	130	30	37.3 J	84.2 J																			
Zinc	109	10000	10000	2480	109	796 J	416 J																			
H5						**0-2"**	**2"-2'**																			
						10/21/2020	**10/21/2020**																			
						mg/kg	**mg/kg**																			
Arsenic	13	16	16	16	13	26.6 J	35.6 J																			
Barium	410	410	10000	820	433	**495 J**	**418 J**																			
Cadmium	2.5	3.7	4.4	7.5	4	**6.3 J**	**5 J**																			
Copper	50	280	10000	1720	50	**326 J**	239 J																			
Lead	63	1000	3900	450	63	982	848																			
Mercury	0.18	1.1	1.1	0.73	0.18	1.2 J	1.1 J																			
Nickel	30	320	5900	130	30	107 J	80.9 J																			
Silver	2	1700	2000	8.3	2	6.3	3.1 U																			
Zinc	109	10000	10000	2480	109	1010 J	730 J																			
H6						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**		
						10/16/2013	**2/24/2014**	**10/14/2014**	**10/17/2016**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/17/2016**	**10/16/2013**	**2/24/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**5/20/2015**		
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		
Arsenic	13	16	16	16	13				24.3				32.1													
Barium	410	410	10000	820	433				**552 J**				**769 J**													
Cadmium	2.5	3.7	4.4	7.5	4				**5.9 J**				8.9 J													
Copper	50	280	10000	1720	50				**348**				**1540**													
Lead	63	1000	3900	450	63	NS	NS	NS	991	NS	NS	NS	**1760**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
Mercury	0.18	1.1	1.1	0.73	0.18				1.1				0.19													
Nickel	30	320	5900	130	30				309				**331**													
Silver	2	1700	2000	8.3	2				1.3				4.6													
Zinc	109	10000	10000	2480	109				1700				4280													
H7						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**		
						10/22/2013	**2/24/2014**	**10/14/2014**	**10/13/2016**	**10/22/2013**	**2/24/2014**	**10/14/2014**	**10/14/2016**	**10/22/2013**	**2/24/2014**	**10/22/2013**	**2/24/2014**	**10/14/2014**	**10/22/2013**	**2/24/2014**	**10/14/2014**	**10/22/2013**	**2/24/2014**	**5/20/2015**		
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		
Arsenic	13	16	16	16	13	33.1				16.7																
Barium	410	410	10000	820	433	2290				**668**																
Cadmium	2.5	3.7	4.4	7.5	4	16.1				**7.5**																
Copper	50	280	10000	1720	50	**1070**				**745**																
Lead	63	1000	3900	450	63	4910	NS	NS	NS	1450	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
Mercury	0.18	1.1	1.1	0.73	0.18	10.8				1.4																
Nickel	30	320	5900	130	30	6390				53.7																
Silver	2	1700	2000	8.3	2	3.3 J				1.6																
Zinc	109	10000	10000	2480	109	5210 B				2140 B																
H8						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**		
						10/22/2013	**2/24/2014**	**10/14/2014**	**10/13/2016**	**10/22/2013**	**2/24/2014**	**10/14/2014**	**10/14/2016**	**10/22/2013**	**2/24/2014**	**10/22/2013**	**2/24/2014**	**10/14/2014**	**10/22/2013**	**2/24/2014**	**10/14/2014**	**10/22/2013**	**2/24/2014**	**5/20/2015**		
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		
Arsenic	13	16	16	16	13	0.49 U				11.8						78.7										
Barium	410	410	10000	820	433	388				154						**730**										
Cadmium	2.5	3.7	4.4	7.5	4	15.3				1.5						16.6										
Copper	50	280	10000	1720	50	**1430**	NS	NS	NS	107	NS	NS	NS	NA	NS	**378**	NS	NS	NA	NS	NS	NS	NS	NS		
Lead	63	1000	3900	450	63	1570				686						2750										
Mercury	0.18	1.1	1.1	0.73	0.18	6.1				0.66						2.3										
Nickel	30	320	5900	130	30	1740				30						74.5										
Zinc	109	10000	10000	2480	109	3490 B				297 B						7820 B										

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																	
H10						0-2" 10/22/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/23/2014 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/22/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/22/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/23/2014 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/22/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Barium	410	410	10000	820	433	324				**784**									82.1				
Cadmium	2.5	3.7	4.4	7.5	4	47.5				2.2									0.33				
Copper	50	280	10000	1720	50	46000				**1070**									44.1				
Lead	63	1000	3900	450	63	1300	NS	NS	NS	533	NS	NS	NS	NA	NS	NA	NS	NS	50.3	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	3.3				0.94									0.15				
Nickel	30	320	5900	130	30	957				1960									34.4				
Silver	2	1700	2000	8.3	2	2.7				0.26 U									0.26 U				
Zinc	109	10000	10000	2480	109	2130 B				925 B									96.8 B				
H11						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				11.9				13.5										
Barium	410	410	10000	820	433				182 J				**550 J**										
Cadmium	2.5	3.7	4.4	7.5	4				2 J				3 J										
Copper	50	280	10000	1720	50				**422**				**286**										
Lead	63	1000	3900	450	63	NS	NS	NS	261 J	NS	NS	NS	631 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.45				0.71										
Nickel	30	320	5900	130	30				358 J				108 J										
Potassium									1380				1040										
Zinc	109	10000	10000	2480	109				711				682										
H12						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				16.5				23.4										
Barium	410	410	10000	820	433				**465 J**				1990 J										
Cadmium	2.5	3.7	4.4	7.5	4				13.3 J				14.1 J										
Copper	50	280	10000	1720	50				1740				**604**										
Lead	63	1000	3900	450	63	NS	NS	NS	1180 J	NS	NS	NS	34400 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				2.1				4										
Nickel	30	320	5900	130	30				815 J				264 J										
Silver	2	1700	2000	8.3	2				27.9				1.6										
Zinc	109	10000	10000	2480	109				1980				6830										
H13						0-2" 10/21/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/21/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/21/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/21/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/21/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/21/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Copper	50	280	10000	1720	50	106				44.3				**455**									
Lead	63	1000	3900	450	63	307				78.1				122									
Mercury	0.18	1.1	1.1	0.73	0.18	0.39	NS	NS	NS	0.21	NS	NS	NS	0.48	NS	NA	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30	65.1				18.8				104									
Zinc	109	10000	10000	2480	109	325 B				99.9 B				964 B									
I1						0-2" 10/21/2020 mg/kg	2"-2' 10/21/2020 mg/kg																	
Arsenic	13	16	16	16	13	14 U	49.9																
Cadmium	2.5	3.7	4.4	7.5	4	3.7	7.2 U																
Copper	50	280	10000	1720	50	139	179																
Lead	63	1000	3900	450	63	213 J	1250 J																
Mercury	0.18	1.1	1.1	0.73	0.18	0.72	1.1																
Nickel	30	320	5900	130	30	38.7	38.2																
Silver	2	1700	2000	8.3	2	22.4	7.2 U																
Zinc	109	10000	10000	2480	109	440	710																

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth																				
						Sample Date																				
						Units																				
I2						0-2"	2"-2'																			
						10/20/2020	10/20/2020																			
						mg/kg	mg/kg																			
Arsenic	13	16	16	16	13	26.6 J	34.6 J																			
Barium	410	410	10000	820	433	**608 J**	956 J																			
Cadmium	2.5	3.7	4.4	7.5	4	11.6 J	10.2 J																			
Copper	50	280	10000	1720	50	**546 J**	**496 J**																			
Lead	63	1000	3900	450	63	1050	2450																			
Mercury	0.18	1.1	1.1	0.73	0.18	1.3 J	1.8 J																			
Nickel	30	320	5900	130	30	72.8 J	83.7 J																			
Silver	2	1700	2000	8.3	2	4.4	4.2																			
Zinc	109	10000	10000	2480	109	1000 J	1400 J																			
I3						0-2"	2"-2'																			
						10/20/2020	10/20/2020																			
						mg/kg	mg/kg																			
Arsenic	13	16	16	16	13	13.6 J	8 J																			
Cadmium	2.5	3.7	4.4	7.5	4	**5.3 J**	3.3 J																			
Copper	50	280	10000	1720	50	151 J	113 J																			
Lead	63	1000	3900	450	63	415	354																			
Mercury	0.18	1.1	1.1	0.73	0.18	0.45 J	0.44 J																			
Nickel	30	320	5900	130	30	56.1 J	27.9 J																			
Zinc	109	10000	10000	2480	109	520 J	375 J																			
I4						0-2"	2"-2'																			
						10/20/2020	10/20/2020																			
						mg/kg	mg/kg																			
Arsenic	13	16	16	16	13	22.9 J	25.7 J																			
Barium	410	410	10000	820	433	389 J	**518 J**																			
Cadmium	2.5	3.7	4.4	7.5	4	**5.8 J**	**4.9 J**																			
Copper	50	280	10000	1720	50	213 J	233 J																			
Lead	63	1000	3900	450	63	1010	1100																			
Mercury	0.18	1.1	1.1	0.73	0.18	2.3 J	1.1 J																			
Nickel	30	320	5900	130	30	72.1 J	47.6 J																			
Silver	2	1700	2000	8.3	2	2.5	3																			
Zinc	109	10000	10000	2480	109	1180 J	1090 J																			
I5						0-2"	2"-2'																			
						10/21/2020	10/21/2020																			
						mg/kg	mg/kg																			
Arsenic	13	16	16	16	13	17.6 J	24 U																			
Barium	410	410	10000	820	433	363 J	**434 J**																			
Cadmium	2.5	3.7	4.4	7.5	4	12.4	18.9 J																			
Copper	50	280	10000	1720	50	**453 J**	**620 J**																			
Lead	63	1000	3900	450	63	990	1080																			
Mercury	0.18	1.1	1.1	0.73	0.18	2 J	2.1 J																			
Nickel	30	320	5900	130	30	674 J	4690 J																			
Silver	2	1700	2000	8.3	2	3.4	9																			
Zinc	109	10000	10000	2480	109	1910 J	2100 J																			
I6						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'		
						10/16/2013	2/24/2014	10/14/2014	10/17/2016	10/16/2013	2/24/2014	10/14/2014	10/17/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015		
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
Arsenic	13	16	16	16	13				26.5				33.2													
Barium	410	410	10000	820	433				**648 J**				**664 J**													
Cadmium	2.5	3.7	4.4	7.5	4				**5 J**				8.2 J													
Copper	50	280	10000	1720	50				**994**				**1020**													
Lead	63	1000	3900	450	63	NS	NS	NS	920	NS	NS	NS	**1400**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
Mercury	0.18	1.1	1.1	0.73	0.18				1.4				0.81													
Nickel	30	320	5900	130	30				198				136													
Silver	2	1700	2000	8.3	2				1.7				3.6													
Zinc	109	10000	10000	2480	109				1280				1360													

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																
I7						0-2" 10/23/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/23/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/23/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/23/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/23/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/23/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	8				15.9						14.4							
Barium	410	410	10000	820	433	334				**488**						126							
Cadmium	2.5	3.7	4.4	7.5	4	20.1				21.8						0.56							
Copper	50	280	10000	1720	50	**800**				1790 B						75.9							
Lead	63	1000	3900	450	63	1460	NS	NS	NS	2080	NS	NS	NS	NS	NS	226	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	4.4				5.3						0.14							
Nickel	30	320	5900	130	30	556				5240						25.7							
Silver	2	1700	2000	8.3	2	1.7				2.5						0.23 U							
Zinc	109	10000	10000	2480	109	2230 B				4410 B						143 B							
I8						0-2" 10/22/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/23/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/23/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/22/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/23/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	13.3				13.9									17.9				
Barium	410	410	10000	820	433	341				**613**									**467**				
Cadmium	2.5	3.7	4.4	7.5	4	44.8				38.5									**3.8**				
Copper	50	280	10000	1720	50	1750				1850									**1030**				
Lead	63	1000	3900	450	63	7660	NS	NS	NS	2270	NS	NS	NS	NA	NS	NA	NS	NS	1020	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	6.7				6.4									0.63				
Nickel	30	320	5900	130	30	1080				1490									161				
Silver	2	1700	2000	8.3	2	2.4 J				3.6									1.7				
Zinc	109	10000	10000	2480	109	3490 B				3650 B									899 B				
I9						0-2" 10/22/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/23/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/23/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/22/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/23/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	9.2				18.2													
Barium	410	410	10000	820	433	340				381													
Cadmium	2.5	3.7	4.4	7.5	4	16.6				12.9													
Copper	50	280	10000	1720	50	**981**				2230													
Lead	63	1000	3900	450	63	1220	NS	NS	NS	1310	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	10.4				5.1													
Nickel	30	320	5900	130	30	551				1840													
Silver	2	1700	2000	8.3	2	3.4				5.1													
Zinc	109	10000	10000	2480	109	4490 B				5830 B													
I10						0-2" 10/22/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/13/2016 mg/kg	2"-2' 10/22/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/14/2016 mg/kg	2'-4' 10/22/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/22/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/22/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/22/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13	18.3				16.3									10.2				
Barium	410	410	10000	820	433	**622**				**578**									396				
Cadmium	2.5	3.7	4.4	7.5	4	20.7				22.6									3.5				
Copper	50	280	10000	1720	50	3280				2230									**716**				
Lead	63	1000	3900	450	63	2430	NS	NS	NS	7420	NS	NS	NS	NA	NS	NA	NS	NS	4010	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	9				7									0.27				
Nickel	30	320	5900	130	30	1030				962									25.8				
Silver	2	1700	2000	8.3	2	6.5				5.6									0.8				
Zinc	109	10000	10000	2480	109	7520 B				4140 B									725 B				
I11						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				18.8				8.6										
Cadmium	2.5	3.7	4.4	7.5	4				13.1 J				**4.8 J**										
Copper	50	280	10000	1720	50				3720				**437**										
Lead	63	1000	3900	450	63	NS	NS	NS	1300 J	NS	NS	NS	509 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				1.9				0.13										
Nickel	30	320	5900	130	30				5200 J				523 J										
Silver	2	1700	2000	8.3	2				3				0.71										
Zinc	109	10000	10000	2480	109				1860				562										

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																	
I12						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13				14				10.6										
Copper	50	280	10000	1720	50				77.2				63.5										
Lead	63	1000	3900	450	63	NS	NS	NS	274 J	NS	NS	NS	232 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.28				0.35										
Nickel	30	320	5900	130	30				130 J				77.6 J										
Zinc	109	10000	10000	2480	109				321				212										
I13						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Cadmium	2.5	3.7	4.4	7.5	4				2.5 J				0.73 J										
Copper	50	280	10000	1720	50				89				28.7										
Lead	63	1000	3900	450	63	NS	NS	NS	265 J	NS	NS	NS	121 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18				0.31				0.071										
Nickel	30	320	5900	130	30				110 J				21.8 J										
Zinc	109	10000	10000	2480	109				403				180										
ELG-1						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13		27.7				5.1				1.9 J		1.9 J			3.7		6.7 J	
Manganese	1600	10000	10000	2000	1600	NS	1680	NS	NS	NS	242	NS	NS	NS	250	NS	264	NS	NS	321	NS	484 J	NS
Nickel	30	320	5900	130	30		24.5				13.6				13.9		14.4			23.9		47.8	
SL-1						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/14/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/14/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/14/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Copper	50	280	10000	1720	50							1770											
Lead	63	1000	3900	450	63							884											
Mercury	0.18	1.1	1.1	0.73	0.18	NS	NS	NS	NS	NS	NS	0.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30							175											
Zinc	109	10000	10000	2480	109							2100											
SL-2						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/15/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/15/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/15/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/15/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Lead	63	1000	3900	450	63							107									30.5		
Mercury	0.18	1.1	1.1	0.73	0.18	NS	NS	NS	NS	NS	NS	0.31	NS	NS	NS	NS	NS	NS	NS	NS	0.14	NS	NS	NS
Nickel	30	320	5900	130	30							36.9									43		
Zinc	109	10000	10000	2480	109							156									136		
SL-4						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/15/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/14/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/15/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/15/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Mercury	0.18	2.8	5.7	0.73	0.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.6	NS	NS	NS
Nickel	30	320	5900	130	30																49		
SL-6						0-2" 10/16/2013 mg/kg	0-2" 2/24/2014 mg/kg	0-2" 10/15/2014 mg/kg	0-2" 10/18/2016 mg/kg	2"-2' 10/16/2013 mg/kg	2"-2' 2/24/2014 mg/kg	2"-2' 10/15/2014 mg/kg	2"-2' 10/18/2016 mg/kg	2'-4' 10/16/2013 mg/kg	2'-4' 2/24/2014 mg/kg	4'-6' 10/16/2013 mg/kg	4'-6' 2/24/2014 mg/kg	4'-6' 10/15/2014 mg/kg	6'-8' 10/16/2013 mg/kg	6'-8' 2/24/2014 mg/kg	6'-8' 10/15/2014 mg/kg	8'-10' 10/16/2013 mg/kg	8'-10' 2/24/2014 mg/kg	8'-10' 5/20/2015 mg/kg
Arsenic	13	16	16	16	13							17.9						7.1					
Barium	410	410	10000	820	433							558						114					
Cadmium	2.5	3.7	4.4	7.5	4							13.9						0.95					
Copper	50	280	10000	1720	50	NS	NS	NS	NS	NS	NS	677	NS	NS	NS	NS	NS	58.4	NS	NS		NS	NS	NS
Lead	63	1000	3900	450	63							2830						270					
Mercury	0.18	1.1	1.1	0.73	0.18							1.8						0.41					
Nickel	30	320	5900	130	30							225						13.4					
Zinc	109	10000	10000	2480	109							1810						256					

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth																
						Sample Date																
						Units																
SL-7						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13							23.9									8.1			
Barium	410	410	10000	820	433							546									48.3			
Cadmium	2.5	3.7	4.4	7.5	4							17.4									0.46 U			
Copper	50	280	10000	1720	50							332									43.9			
Lead	63	1000	3900	450	63	NS	NS	NS	NS	NS	NS	1070	NS	NS	NS	NS	NS	NS	NS	NS	56.6	NS	NS	NS
Manganese	1600	10000	10000	2000	1600							2920									508			
Mercury	0.18	1.1	1.1	0.73	0.18							2.6									0.38			
Nickel	30	320	5900	130	30							552									34.8			
Zinc	109	10000	10000	2480	109							2470									115			
SL-8						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	2.5	3.7	4.4	7.5	4							3.9												
Copper	50	280	10000	1720	50							219												
Lead	63	1000	3900	450	63	NS	NS	NS	NS	NS	NS	447	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18							0.89												
Nickel	30	320	5900	130	30							155 J												
Zinc	109	10000	10000	2480	109							835												
VS-1						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	2.5	3.7	4.4	7.5	4			52																
Copper	50	280	10000	1720	50			3730																
Lead	63	1000	3900	450	63			870																
Mercury	0.18	1.1	1.1	0.73	0.18	NS	NS	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30			4980																
Silver	2	1700	2000	8.3	2			9.2																
Zinc	109	10000	10000	2480	109			1100																
VS-2						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	2.5	3.7	4.4	7.5	4			3.5				9.4						13.2			10.4			
Copper	50	280	10000	1720	50			4010				218						0.67			0.42 U			
Lead	63	1000	3900	450	63			186				290						129			29.1			
Mercury	0.18	1.1	1.1	0.73	0.18	NS	NS	0.44	NS	NS	NS	0.19	NS	NS	NS	NS	NS	183	NS	NS	41	NS	NS	NS
Nickel	30	320	5900	130	30			26500				130						0.27			0.08			
Silver	2	1700	2000	8.3	2			6.6				0.49 U						52.4			18.5			
Zinc	109	10000	10000	2480	109			381				331						204			58			
VS-3						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/14/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13			3.9				13.6												
Cadmium	2.5	3.7	4.4	7.5	4			3.4				5.3												
Copper	50	280	10000	1720	50			194				487												
Lead	63	1000	3900	450	63	NS	NS	72.6	NS	NS	NS	268	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18			0.37				0.69												
Nickel	30	320	5900	130	30			3540				11600												
Zinc	109	10000	10000	2480	109			268				484												
VS-4						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/15/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	10/15/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13			5.2 U				14.4												
Barium	410	410	10000	820	433			55.7 J				652												
Cadmium	2.5	3.7	4.4	7.5	4			8.4 U				6.5												
Copper	50	280	10000	1720	50			462 J				104												
Lead	63	1000	3900	450	63	NS	NS	106	NS	NS	NS	401	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18			0.12				0.24												
Nickel	30	320	5900	130	30			92400				32.5												
Silver	2	1700	2000	8.3	2			3.6				0.5 U												
Zinc	109	10000	10000	2480	109			378				573												
VS-5						0-2"	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'	8'-10'
						10/16/2013	2/24/2014	10/14/2014	10/18/2016	10/16/2013	2/24/2014	10/14/2014	10/18/2016	10/16/2013	2/24/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	10/14/2014	10/16/2013	2/24/2014	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	2.5	3.7	4.4	7.5	4			2 U				4.1									0.52			
Copper	50	280	10000	1720	50			2330 J				101									41.4			
Lead	63	1000	3900	450	63			526				381									18.1			
Manganese	1600	10000	10000	2000	1600	NS	NS	4540	NS	NS	NS	775	NS	NS	NS	NS	NS	NS	NS	NS	559	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18			0.97				0.62									0.055			
Nickel	30	320	5900	130	30			105000				53.7									45.8			
Silver	2	1700	2000	8.3	2			10				0.52 U									0.59 U			

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units																		
Zinc	109	10000	10000	2480	109			749				655									95.3			
VS-6						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/16/2013	**2/24/2014**	**10/14/2014**	**10/18/2016**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/18/2016**	**10/16/2013**	**2/24/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13			8.2				24.3									7.4			
Barium	410	410	10000	820	433			204				**685**									83.8			
Cadmium	2.5	3.7	4.4	7.5	4			9.3				**5.4**									0.7			
Copper	50	280	10000	1720	50			**820**				**576**									47.6			
Lead	63	1000	3900	450	63	NS	NS	866	NS	NS	NS	1400	NS	NS	NS	NS	NS	NS	NS	NS	67.2	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18			1.3				0.75									0.37			
Nickel	30	320	5900	130	30			7850				77.3									30.6			
Silver	2	1700	2000	8.3	2			11.8				0.98									0.56 U			
Zinc	109	10000	10000	2480	109			2080				1410									125			
VS-7						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/16/2013	**2/24/2014**	**10/16/2014**	**10/18/2016**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/18/2016**	**10/16/2013**	**2/24/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13			9.5				47												
Barium	410	410	10000	820	433			147 J				1090												
Cadmium	2.5	3.7	4.4	7.5	4			4.9 U				34.6												
Copper	50	280	10000	1720	50			13000				3070												
Lead	63	1000	3900	450	63	NS	NS	669	NS	NS	NS	2630	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18			1.7				0.44												
Nickel	30	320	5900	130	30			95600				274												
Selenium	3.9	1700	2000	4	3.9			6.4				2 U												
Silver	2	1700	2000	8.3	2			9.6				3.1												
Zinc	109	10000	10000	2480	109			5720				2710												
VS-8						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/16/2013	**2/24/2014**	**10/16/2014**	**10/18/2016**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/18/2016**	**10/16/2013**	**2/24/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**10/14/2014**	**10/16/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13			18 U				15.5												
Copper	50	280	10000	1720	50			**713**				**818**												
Lead	63	1000	3900	450	63			261				431												
Manganese	1600	10000	10000	2000	1600	NS	NS	1890	NS	NS	NS	523	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18			0.2				0.45												
Nickel	30	320	5900	130	30			133000				7200												
Silver	2	1700	2000	8.3	2			2.3 U				5.2												
Zinc	109	10000	10000	2480	109			380				259												
VS-9						**0-2"**	**0-2"**	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**	**8'-10'**
						10/16/2013	**2/24/2014**	**10/15/2014**	**10/18/2016**	**10/16/2013**	**2/24/2014**	**10/15/2014**	**10/18/2016**	**10/16/2013**	**2/24/2014**	**10/16/2013**	**2/24/2014**	**10/15/2014**	**10/16/2013**	**2/24/2014**	**10/15/2014**	**10/16/2013**	**2/24/2014**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13			17.8																
Cadmium	2.5	3.7	4.4	7.5	4			11.2																
Copper	50	280	10000	1720	50			**1190**																
Lead	63	1000	3900	450	63	NS	NS	496	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18			8.3																
Nickel	30	320	5900	130	30			6000																
Silver	2	1700	2000	8.3	2			6.1																
Zinc	109	10000	10000	2480	109			1860																

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units										
BBERM-10						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**12'-14'**	**14'-16'**	**16'-18'**	**18'-20'**
						09/23/2020	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/23/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13	24 U	31.8	24 U	24 U	33.1	30 U	38.9	5.2 U	7.9	3.7	3.7
Barium	410	410	10000	820	433	332 J	1470 J	**654 J**	**579 J**	960 J	331 J	287 J	77.1 J	58.9 J	55.7 J	46.4 J
Cadmium	2.5	3.7	4.4	7.5	4	39.7	15.9	27.6	16.2	17.9	7.6 U	7.5 U	1.3 U	1.3 U	0.68 U	0.63 U
Copper	50	280	10000	1720	50	**1470 J**	3410 J	**1230 J**	**1430 J**	**489 J**	**466 J**	**510 J**	28.5 J	28.9 J	24.8 J	20.9 J
Lead	63	1000	3900	450	63	1660 J	4920 J	2950 J	1810 J	2870 J	2270 J	2170 J	18.7 J	58.8 J	11.6 J	10.3 J
Manganese	1600	10000	10000	2000	1600	1240 J	1720 J	897 J	734 J	877 J	750 J	634 J	363 J	228 J	199 J	189 J
Mercury	0.18	1.1	1.1	0.73	0.18	8.1	4.7	3.6	1.8	13.9	3.3	1.2	0.054	0.042	0.045 U	0.042 U
Nickel	30	320	5900	130	30	2130 J	1500 J	1140 J	569 J	908 J	83.3 J	80.4 J	27.1 J	26.6 J	27.7 J	24.2 J
Selenium	3.9	1700	2000	4	3.9	24 U	27 U	24 U	24 U	29 U	30 U	30 U	5.2 U	5.1 U	2.7 U	2.5 U
Silver	2	1700	2000	8.3	2	6	11.4	8	5.9 U	7.3 U	7.6 U	7.5 U	1.3 U	1.3 U	0.68 U	0.63 U
Zinc	109	10000	10000	2480	109	3580 J	4610 J	4400 J	3310 J	5880 J	3720 J	939 J	169 J	90 J	63.1 J	57.4 J
BBERM-11						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**12'-14'**	**14'-16'**	**16'-18'**	**18'-20'**
						09/23/2020	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/23/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13	24.7	28.5	26	33.6	47.8	27.2	23.4	8.4	7.6	2.6 U	3.6
Barium	410	410	10000	820	433	**460 J**	361 J	**515 J**	**487 J**	**710 J**	**415 J**	**576**	265	88.7	48.3	58.1
Cadmium	2.5	3.7	4.4	7.5	4	39.6	41.8	22.5	22.7	6.9 U	6.5 U	17.8	1.4 U	1.3 U	0.65 U	0.65 U
Copper	50	280	10000	1720	50	**1570 J**	10700 J	3760 J	**1350 J**	**782 J**	**340 J**	**962**	75.1	69.6	20.1	26.4
Lead	63	1000	3900	450	63	1830 J	1670 J	1810 J	1480 J	1550 J	1270 J	1470	269	292	9.2	14.5
Manganese	1600	10000	10000	2000	1600	2400 J	2710 J	6800 J	978 J	710 J	321 J	921	1410	262	188	155
Mercury	0.18	1.1	1.1	0.73	0.18	7.5	5.6	4.1	1.6	1.4	0.89	1.1	1.5	0.2	0.061	0.2
Nickel	30	320	5900	130	30	2670 J	19700 J	624 J	1640 J	131 J	40.6 J	532	26.1	26.1	20.2	26.3
Selenium	3.9	1700	2000	4	3.9	24 U	25 U	25 U	25 U	27 U	26 U	13 U	5.5 U	5.2 U	2.6 U	2.6 U
Silver	2	1700	2000	8.3	2	18	31 U	11.2	7.8	6.9 U	6.5 U	4.8	1.4 U	1.3 U	0.65 U	0.65 U
Zinc	109	10000	10000	2480	109	4150 J	5840 J	12400 J	4330 J	1740 J	841 J	2410	562	220	52.5	70
BBERM-14						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**12'-14'**	**14'-16'**	**16'-18'**	**18'-20'**
						09/24/2020	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13	25 U	25 U	49 U	19.1	11.1	27.3	16.2	10.7	2.6	5.6	3.9
Barium	410	410	10000	820	433	**474 J**	127 J	204 J	967 J	340 J	**433 J**	3530 J	101 J	60.5 J	67.3 J	54.2 J
Cadmium	2.5	3.7	4.4	7.5	4	39.4 J	7.9 J	19.3 J	**6.6 J**	**7.3 J**	2.9 J	3.4 UJ	1.2 UJ	0.62 U	0.65 UJ	0.69 UJ
Copper	50	280	10000	1720	50	1820 J	**666 J**	1740 J	**325 J**	246 J	161 J	**299 J**	88.9 J	26 J	25.6 J	22.8 J
Lead	63	1000	3900	450	63	**2720**	688	534	**1020**	643	806	4140	55.6	13.8	9.5	10.3
Manganese	1600	10000	10000	2000	1600	1770	818	2430	532	588	341	276	383	254	178	168
Mercury	0.18	1.1	1.1	0.73	0.18	5	2.3	1.1	2.1	0.57	0.55	1.1	0.08	0.034	0.038 U	0.036 U
Nickel	30	320	5900	130	30	**2320**	425	268	70.9	30.6	46.9	37.4	34.1	22	27	24.8
Selenium	3.9	1700	2000	4	3.9	39.9	25 U	49 U	12 U	5 U	5.7 U	2.7 U	4.8 U	2.5 U	2.6 U	2.7 U
Silver	2	1700	2000	8.3	2	9 J	6.3 UJ	34.9 J	3.1 UJ	2 J	1.4 UJ	0.67 UJ	1.2 UJ	0.62 U	0.65 UJ	0.69 UJ
Zinc	109	10000	10000	2480	109	3880 J	1980 J	952 J	1480 J	863 J	259 J	1030 J	176 J	56.2 J	67.9 J	57.3 J
BBERM-15						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**12'-14'**	**14'-16'**	**16'-18'**	**18'-20'**
						09/24/2020	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**	**09/24/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13	23.8	30	15.8	16.5	6.8	20.2	13.9	7.2	7.7	5.4	
Barium	410	410	10000	820	433	823 J	**414 J**	242 J	321 J	152 J	**649 J**	186 J	74.9 J	87.9 J	53.6 J	
Cadmium	2.5	3.7	4.4	7.5	4	45.1 J	40.2 J	2.8 UJ	3.2 UJ	1.8 J	6.4 J	3.3 UJ	1.4 UJ	1.4 J	1.2 UJ	
Copper	50	280	10000	1720	50	2230 J	8000 J	270 J	**434 J**	104 J	9070 J	107 J	46 J	42.9 J	30.3 J	
Lead	63	1000	3900	450	63	2560	1960	475	480	123	8160	427	43.2	44.6	38.3	
Manganese	1600	10000	10000	2000	1600	1720	1830	651	777	632	408	570	455	484	367	NS
Mercury	0.18	1.1	1.1	0.73	0.18	8.1	6.1	0.44	0.9	0.13	5.5	0.74	0.25	0.085	0.18	
Nickel	30	320	5900	130	30	5890	4240	162	185	75.2	104	39	32.8	31.5	24.6	
Selenium	3.9	1700	2000	4	3.9	23 U	25 U	11 U	13 U	2.7 U	15 U	13 U	5.6 U	5.4 U	4.7 U	
Silver	2	1700	2000	8.3	2	7.3 J	11.8 J	2.8 UJ	3.2 UJ	3.4 UJ	5.6 J	3.3 UJ	1.4 UJ	1.4 UJ	1.2 UJ	
Zinc	109	10000	10000	2480	109	4950 J	5430 J	639 J	547 J	2020 J	1920 J	522 J	201 J	292 J	102 J	

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth										
						Sample Date										
						Units										
BDP2-2						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**12'-14'**	**14'-16'**	**16'-18'**	**18'-20'**
						10/21/2020	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**44125**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13	21.5	18.6									
Barium	410	410	10000	820	433	**470**	**600**									
Cadmium	2.5	3.7	4.4	7.5	4	22.1	13.5									
Copper	50	280	10000	1720	50	2730 J	**500 J**									
Lead	63	1000	3900	450	63	4160 J	1490 J									
Manganese	1600	10000	10000	2000	1600	1440 J	1310 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	3.4 J	7 J									
Nickel	30	320	5900	130	30	7930 J	274 J									
Selenium	3.9	1700	2000	4	3.9	14 U	14 U									
Silver	2	1700	2000	8.3	2	5.1	3.4 U									
Zinc	109	10000	10000	2480	109	3460 J	2230 J									
BDP3-1						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**12'-14'**	**14'-16'**	**16'-18'**	**18'-20'**
						10/21/2020	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**44125**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Cadmium	2.5	3.7	4.4	7.5	4	28 U	3.3									
Copper	50	280	10000	1720	50	8880 J	273 J									
Lead	63	1000	3900	450	63	521 J	1010 J									
Manganese	1600	10000	10000	2000	1600	1850 J	452 J									
Mercury	0.18	1.1	1.1	0.73	0.18	0.37 J	0.49 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	30	320	5900	130	30	33300 J	356 J									
Selenium	3.9	1700	2000	4	3.9	110 U	14 U									
Silver	2	1700	2000	8.3	2	28 U	5.3									
Zinc	109	10000	10000	2480	109	1090 J	634 J									
BDP4-2						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**10'-12'**	**12'-14'**	**14'-16'**	**16'-18'**	**18'-20'**
						10/21/2020	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**44125**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Arsenic	13	16	16	16	13	40.2	29.8									
Barium	410	410	10000	820	433	853	**760**									
Cadmium	2.5	3.7	4.4	7.5	4	21.1	13.5									
Copper	50	280	10000	1720	50	2580 J	**1260 J**									
Lead	63	1000	3900	450	63	2310 J	2070 J									
Manganese	1600	10000	10000	2000	1600	1810 J	1150 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	2.9 J	2 J									
Nickel	30	320	5900	130	30	4130 J	3950 J									
Selenium	3.9	1700	2000	4	3.9	25 U	12 U									
Silver	2	1700	2000	8.3	2	6.3 U	3.5									
Zinc	109	10000	10000	2480	109	4270 J	2890 J									

Table 2-6
Metals Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth										
						Sample Date										
						Units										
BDP10-1						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'
						10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	44126
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	13	16	16	16	13	57 U	216									
Barium	410	410	10000	820	433	**522**	**768**									
Cadmium	2.5	3.7	4.4	7.5	4	14 U	26.2									
Copper	50	280	10000	1720	50	**1020 J**	**991 J**									
Lead	63	1000	3900	450	63	1230 J	2110 J									
Manganese	1600	10000	10000	2000	1600	1550 J	1500 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.18	1.1	1.1	0.73	0.18	3.5 J	3.7 J									
Nickel	30	320	5900	130	30	15000 J	4040 J									
Selenium	3.9	1700	2000	4	3.9	57 U	24 U									
Silver	2	1700	2000	8.3	2	23	5.9 U									
Zinc	109	10000	10000	2480	109	3300 J	8720 J									

Notes:

B = Compound was found in the blank and sample.

Blue Font = Indicates exceedance above the Protection of Groundwater SCOs

Bold = Indicates exceedance above the Commercial Use SCOs.
Yellow Highlight = Indicates exceedance above the Industrial Use SCOs.
Underline = Indicates exceedance above the Protection of Ecological Resources SCOs (mg/kg).

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

L = A negative instrument reading had an absolute value greater than the reporting limit
mg/kg = milligram per kilogram
NA = Not analyzed
NS = No sample collected at this depth interval
NYSDEC = New York State Department of Environmental Conservation
OU1 = Operable Unit 1
SCO = soil cleanup objective
U = Indicates the analyte was analyzed for but not detected.
Sample depths shown in inches (") and feet (').

Table 2-7
VOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth															
						Sample Date															
						Units															
						A7															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/15/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/15/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	0.0035 U	NS	NS	0.03	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	0.062	NS
						B7															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/16/2013	10/15/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/15/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	10/14/2014	5/20/2015	10/16/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	0.0056 U	NS	NS	0.13	NS	NS	NS	NS	NS	NA	NS	NS	NA	NS	NS	0.013 J	NS
						B10															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/18/2013	10/15/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/15/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2													0.055				
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE	NA	NA	NS	NA	NA	NS	NA	NA	NS	NA	NA	NS	66	NA	NS	NS	NS
Trichloroethylene	0.47	54	54	0.47	2													150				
Vinyl Choride	0.03	7.1	7.1	0.03	NE													0.58 J				
						B13															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	0.0042 U	NS	NS	0.09	NS	NS	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS
						C13															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	0.0035 U	NS	NS	0.11	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.045 U
54	54	54	54	54	54	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
54	54	54	54	54	54	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
54	54	54	54	54	54	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	0.0045 U	NS	NS	0.11	NS	NS	NA	NS	NS	NA	NS	NS	NA	NS	NS	NS	NS
						C15															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	0.004 U	NS	NS	0.0037 U	NS	NS	NA	NS	NS	NA	NS	NS	0.068	NS	NS	NS	NS
						D13															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/18/2013	10/15/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/15/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	10/14/2014	5/20/2015	10/18/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	0.06	20	20	0.06	70			0.0014			0.058 U			0.0942 J						0.078 U		0.0004 U
Methylene chloride	0.05	500	1000	0.05	12	NS	NS	0.0007 U	NS	NS	1.48	NS	NS	2.23	NS	NS	NS	NS	NS	2.79	NS	0.0005 U
Xylenes	0.26	500	1000	1.2	0.26			0.0006 U			0.768			1.03						0.073 U		0.0004 U
						D14-NW															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	0.0039 U	NS	NS	0.1	NS	NS	NA	NS	NS	0.1	NS	NS	NA	NS	NS	NS	NS
						E3															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Xylenes	0.26	500	1000	1.2	0.26	NS	NS	NS	0.35 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
						E8															
						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	0.0037 U	NS	NS	0.0041 U	NS	NS	NA	NS	NS	0.089	NS	NS	NS	NS	NS	NS	NS

Table 2-7
VOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth														
						Sample Date														
						Units														
						E9	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		0.0043 U	NS	NS	0.0055 U	NS	NS	0.21 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
						E10	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		0.0045 U	NS	NS	0.089	NS	NS	NS	NS	NS	0.046	NS	NS	NS	NS	NS	NS	NS
						F3	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		NA	NS	NS	0.33	NS	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS
						F7	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/23/2013	10/15/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/15/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Ethylbenzene	1	390	390	1	NE		0.0004 U	NS	NS	27	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes	0.26	500	1000	1.2	0.26		0.0009 U			200													
						0.26	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	0.06	20	20	0.06	70		0.0002 U			0.0003 U			1.5										
Ethylbenzene	1	390	390	1	NE		0.0003 U	NS	NS	0.0004 U	NS	NS	7.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes	0.26	500	1000	1.2	0.26		0.0008 U			0.0009 U			35										
						F9	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		0.0036 U	NS	NS	0.054 J	NS	NS	NA	NS	NS	NA	NS	NS	0.11	NS	NS	NS	NS
						F10	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/15/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	10/14/2014	5/20/2015	10/21/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		0.0038 U	NS	NS	0.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0033 U	0.0033 U
						G2	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/24/2013	10/15/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/15/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/24/2013	10/14/2014	5/20/2015	10/24/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		0.0054 U	NS	NS	0.0056 U	NS	NS	NS	NS	NS	0.075	NS	NS	NA	NS	NS	NS	NS
						G3	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/23/2013	10/15/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/15/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		0.0056 U	NS	NS	0.05	NS	NS	NS	NS	NS	0.17	NS	NS	NS	NS	NS	NS	NS
						G5	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/23/2013	10/15/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/15/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	10/14/2014	5/20/2015	10/23/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Methylene chloride	0.05	500	1000	0.05	12		NS	NS	NS	NA	NS	NS	0.0007 U	NS	0.0007 U	0.001 U	NS	0.001 U	0.0023 J	NS	0.0023 J	0.885	0.885
Xylenes	0.26	500	1000	1.2	0.26								0.0006 U		0.0006 U	0.0008 U		0.0008 U	0.0004 U		0.0004 U	0.31	0.31
						G7	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		0.0048 U	NS	NS	0.0064 U	NS	NS	NA	NS	NS	NA	NS	NS	0.13	NS	NS	NS	NS

Table 2-7
VOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units															
						G8															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	0.0056 U	NS	NS	0.0044 U	NS	NS	NA	NS	NS	NA	NS	NS	0.24	NS	NS	NS	NS
						G9															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/15/2014**	**5/20/2015**	**10/21/2013**	**10/14/2014**	**5/20/2015**	**10/21/2013**	**10/15/2014**	**5/20/2015**	**10/21/2013**	**10/14/2014**	**5/20/2015**	**10/21/2013**	**10/14/2014**	**5/20/2015**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	0.0041 U	NS	NS	0.11	NS	NS	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS	NS
						H1															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/23/2013	**10/15/2014**	**5/20/2015**	**10/23/2013**	**10/14/2014**	**5/20/2015**	**10/23/2013**	**10/15/2014**	**5/20/2015**	**10/23/2013**	**10/14/2014**	**5/20/2015**	**10/23/2013**	**10/14/2014**	**5/20/2015**	**10/23/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	NA	NS	NS	NA	NS	NS	NS	NS	NS	0.12	NS	NS	NS	NS	NS	NS	NS
						H3															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/24/2013	**10/15/2014**	**5/20/2015**	**10/24/2013**	**10/14/2014**	**5/20/2015**	**10/24/2013**	**10/15/2014**	**5/20/2015**	**10/24/2013**	**10/14/2014**	**5/20/2015**	**10/24/2013**	**10/14/2014**	**5/20/2015**	**10/24/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	0.0051 U	NS	NS	0.0056 U	NS	NS	NS	NS	NS	0.31	NS	NS	NS	NS	NS	NS	NS
						H8															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/15/2014**	**5/20/2015**	**10/23/2013**	**10/14/2014**	**5/20/2015**	**10/23/2013**	**10/15/2014**	**5/20/2015**	**10/23/2013**	**10/14/2014**	**5/20/2015**	**10/23/2013**	**10/14/2014**	**5/20/2015**	**10/23/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Benzene	0.06	20	20	0.06	70	0.0002 U	NS	NS	0.0005 J	NS	NS	NA	NS	NS	0.11	NS	NS	NS	NS	NS	NS	NS
						H10															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/15/2014**	**5/20/2015**	**10/23/2013**	**10/14/2014**	**5/20/2015**	**10/23/2013**	**10/15/2014**	**5/20/2015**	**10/23/2013**	**10/14/2014**	**5/20/2015**	**10/23/2013**	**10/14/2014**	**5/20/2015**	**10/23/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	0.0048 U	NS	NS	0.0046 U	NS	NS	NA	NS	NS	NA	NS	NS	0.13	NS	NS	NS	NS
						I8															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	0.0038 U	NS	NS	0.0045 U	NS	NS	NA	NS	NS	NA	NS	NS	0.056	NS	NS	NS	NS
						I9															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	0.0042 U	NS	NS	0.21 J	NS	NS	NS	NS	NS	NS	NS	NS	0.047	NS	NS	NS	NS
Methyl Ethyl Ketone	0.1	500	1000	0.1	100	0.0018 U			0.13 J									0.0024 U				
						I10															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	0.0043 U	NS	NS	0.024 J	NS	NS	NA	NS	NS	NA	NS	NS	0.053	NS	NS	NS	NS
						BM-5															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/25/2013**	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	NS	NS	NS	NS	NS	NS	0.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
						BM-9															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/15/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/25/2013**	**10/15/2014**	**5/20/2015**	**10/25/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**10/14/2014**	**5/20/2015**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.057	NS	NS	NS	NS	NS	NS	NS
						ELG-1															
						0-2"	**0-2"**	**0-2"**	**2"-2'**	**2"-2'**	**2"-2'**	**2'-4'**	**2'-4'**	**2'-4'**	**4'-6'**	**4'-6'**	**4'-6'**	**6'-8'**	**6'-8'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/24/2013	**10/15/2014**	**5/20/2015**	**10/24/2013**	**10/14/2014**	**5/20/2015**	**10/24/2013**	**10/15/2014**	**5/20/2015**	**10/24/2013**	**10/14/2014**	**5/20/2015**	**10/24/2013**	**10/14/2014**	**5/20/2015**	**10/24/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.03	500	1000	0.03	2.2	0.005 J	NS	NS	0.0064 J	NS	NS	0.015 J	NS	NS	0.022 U	NS	NS	0.094	NS	NS	0.033	NS

Table 2-7
VOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units														
SL-1						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/15/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	NS	NS	NS	NS	0.97 U	NS	NS	NS	NS	NS	0.129	NS	NS	NS	NS	NS	NS
Benzene	0.06	20	20	0.06	70	NS	NS	NS	NS	0.0611	NS	NS	NS	NS	NS	0.0005 U	NS	NS	NS	NS	NS	NS
SL-2						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/25/2013	10/15/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	NS	NS	NS	NS	2.88 J	NS	NS	0.152	NS	NS	0.238	NS	NS	0.0457	NS	NS	NS
SL-4						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/25/2013	10/15/2014	5/20/2015	10/25/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	NS	NS	NS	NS	0.99 U	NS	NS	NS	NS	NS	0.142	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE					0.517						0.0018 U		NS	NS	NS	NS	NS
Trichloroethylene	0.47	54	54	0.47	2					1.06						0.0018 U		NS	NS	NS	NS	NS
SL5						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE	NS	NS	NS	NS	0.77	NS	NS	NS	NS	NS	0.00043 U	NS	NS	NS	NS	NS	NS
Trichloroethylene	0.47	54	54	0.47	2					0.663						0.00025 U						
SL-6						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/25/2013	10/15/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	NS	NS	NS	NS	0.0884	NS	NS	0.165	NS	NS	0.28 U	NS	NS		NS	NS	NS
SL-7						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/25/2013	10/15/2014	5/20/2015	10/25/2013	10/15/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	0.06	20	20	0.06	70	NS	NS	NS	NS	0.504	NS	NS	NS	NS	NS	NS	NS	NS	0.04 U	NS	NS	NS
Ethylbenzene	1	390	390	1	NE					2.32									0.083 U			
Methylene chloride	0.05	500	1000	0.05	12					1.43									0.064 U			
Toluene	0.7	500	1000	0.7	36					3.29									1.21			
Xylenes	0.26	500	1000	1.2	0.26					10.5									0.255			
SL8						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/15/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE	NS	NS	NS	NS	24.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	0.19	500	1000	0.19	NE					0.353												
Trichloroethylene	0.47	54	54	0.47	2					15												
SL-11						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	NS	NS	NS	NS	0.139 J	NS	NS	NS	NS	NS	0.0444 J	NS	NS	0.0435	NS	NS	NS
VS-1						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	NS	0.0857	NS	NS	0.0162 J	NS	NS	NS	NS	NS	0.0904 J	NS	NS	NS	NS	NS	NS
VS-2						0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2	NS	0.692	NS	NS	0.021 J	NS	NS	0.111 J	NS	NS	0.214 J	NS	NS	0.0113 J	NS	NS	NS

Table 2-7
VOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth / Sample Date / Units														
						VS-3	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/14/2015	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		NS	0.023 U	NS	NS	1.3 U	NS	NS	NS	NS	NS	0.125 J	NS	NS	0.0147 J	NS	NS	NS
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE			0.0037 U			0.765						0.0058			0.0018 UJ			
						VS-4	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		NS	0.127	NS	NS	0.0609 J	NS	NS	NS	NS	NS	0.0316 J	NS	NS	NS	NS	NS	NS
						VS-5	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		NS	0.193	NS	NS	0.115 J	NS	NS	1.45 J	NS	NS	1 U	NS	NS	0.0284 J	NS	NS	NS
						VS-6	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		NS	0.15 U	NS	NS	0.16 J	NS	NS	0.0781 J	NS	NS	NS	NS	NS	0.0799 J	NS	NS	NS
						VS-7	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		NS	0.145	NS	NS	0.0561 J	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS
						VS-8	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		NS	0.131 J	NS	NS	0.12 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
						VS-9	0-2"	0-2"	0-2"	2"-2'	2"-2'	2"-2'	2'-4'	2'-4'	2'-4'	4'-6'	4'-6'	4'-6'	6'-8'	6'-8'	6'-8'	8'-10'	8'-10'
							10/22/2013	10/15/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/25/2013	10/14/2014	5/20/2015	10/22/2013	10/14/2014	5/20/2015	10/22/2013	5/20/2015
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.03	500	1000	0.03	2.2		NS	0.4 U	NS	NS	0.0693	NS	NS	NS	NS	NS	0.0976	NS	NS	NS	NS	NS	NS
						BBERM-8	0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'				
							09/24/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	9/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020				
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg				
1,1,1-Trichloroethane	0.68	500	1000	0.68	NE			0.0024 U	0.0035	0.0115 J	0.0021 J	0.0026 U											
1,1-Dichloroethane	0.27	240	240	0.27	NE			0.0012 U	0.0123	0.0283 J	0.0074	0.0013 U											
1,1-Dichloroethene	0.24	5.1	5.1	0.33	NE			0.0012 U	0.00093 U	0.00065 J	0.0012 U	0.0013 U											
1,2-Dichlorobenzene	1.1	500	1000	1.1	NE			0.0012 U	8.56	0.0338 J	0.0289	0.0013 U											
1,2-Dichloroethane	0.02	30	30	0.02	10			0.0012 U	0.0025	0.002	0.0008 J	0.0013 U											
Acetone	0.03	500	1000	0.03	2.2			0.998 J	0.822 J	2.32 J	4.62	0.237											
Benzene	0.06	20	20	0.06	70			0.0151	0.0034	0.004 J	0.002	0.00066 U											
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE			0.0012 U	0.00093 U	0.00098 U	0.0012 U	0.0013 U											
Methyl Ethyl Ketone	0.1	500	1000	0.1	100			0.0152	0.0223	0.0367	0.012 U	0.0128 J											
Toluene	0.7	500	1000	0.7	36			0.0389	0.0234	0.0442 J	0.006	0.0013 U											
Trichloroethylene	0.47	200	400	0.47	2			0.0012 U	0.00093 U	0.00098 U	0.0012 U	0.0013 U											
Xylenes	0.26	500	1000	1.2	0.26			0.003	0.0593 J	0.0185 J	0.0097	0.0013 U											

Table 2-7
VOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth												
						Sample Date												
						Units												
BBERM-9						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
						9/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	9/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1,1-Trichloroethane	0.68	500	1000	0.68	NE				0.0735	0.0024 U	0.0025 U							
1,1-Dichloroethane	0.27	240	240	0.27	NE				0.0093	0.0012 U	0.0045							
1,1-Dichloroethene	0.24	5.1	5.1	0.33	NE				0.0012 U	0.0012 U	0.0012 U							
1,2-Dichlorobenzene	1.1	500	1000	1.1	NE				0.00085 J	0.0012 U	0.0012 U							
1,2-Dichloroethane	0.02	30	30	0.02	10				0.00097 J	0.0012 U	0.0012 U							
Acetone	0.03	500	1000	0.03	2.2				2.21	0.338	3.04							
Benzene	0.06	20	20	0.06	70	NS	NS	NS	0.0107	0.00061 U	0.00064	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE				0.0012 U	0.0012 U	0.0012 U							
Methyl Ethyl Ketone	0.1	500	1000	0.1	100				0.0677	0.0518	0.0433							
Toluene	0.7	500	1000	0.7	36				0.0687	0.003	0.00072 J							
Trichloroethylene	0.47	200	400	0.47	2				0.0012 U	0.0012 U	0.0012 U							
Xylenes	0.26	500	1000	1.2	0.26				0.0058	0.0012 U	0.0012 U							
BBERM-10						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
						09/24/2020	09/24/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	9/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020	09/23/2020
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1,1-Trichloroethane	0.68	500	1000	0.68	NE				0.0029	0.012								
1,1-Dichloroethane	0.27	240	240	0.27	NE				0.0105	0.0271								
1,1-Dichloroethene	0.24	5.1	5.1	0.33	NE				0.00085 U	0.0018 U								
1,2-Dichlorobenzene	1.1	500	1000	1.1	NE				0.00085 U	0.0015 J								
1,2-Dichloroethane	0.02	30	30	0.02	10				0.00089	0.002								
Acetone	0.03	500	1000	0.03	2.2				0.339	0.423								
Benzene	0.06	20	20	0.06	70	NS	NS	NS	0.0023	0.0034	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE				0.00075 J	0.0018 U								
Methyl Ethyl Ketone	0.1	500	1000	0.1	100				0.0491	0.0622								
Toluene	0.7	500	1000	0.7	36				0.025	0.0456								
Trichloroethylene	0.47	200	400	0.47	2				0.00085 U	0.0018 U								
Xylenes	0.26	500	1000	1.2	0.26				0.0066	0.0079								
BBERM-11						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
						09/24/2020	09/24/2020	09/24/2020	9/23/2020	09/23/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	11/03/2020	11/03/2020
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1,1-Trichloroethane	0.68	500	1000	0.68	NE				0.0019 U			0.0025 U		0.0025 U	0.002 U	0.0023 U	0.0024 U	0.0028 U
1,1-Dichloroethane	0.27	240	240	0.27	NE				0.00094 U			0.0012 U		0.0013 U	0.00098 U	0.0011 U	0.0012 U	0.0014 U
1,1-Dichloroethene	0.24	5.1	5.1	0.33	NE				0.00094 U			0.0012 U		0.0013 U	0.00098 U	0.002	0.0028 J	0.0064 J
1,2-Dichlorobenzene	1.1	500	1000	1.1	NE				0.00094 U			0.0012 U		0.0013 U	0.00098 U	0.0011 U	0.0012 U	0.0014 U
1,2-Dichloroethane	0.02	30	30	0.02	10				0.00094 U			0.0012 U		0.0013 U	0.00098 U	0.0011 U	0.0012 U	0.0014 U
Acetone	0.03	500	1000	0.03	2.2				0.421			0.0859		0.113	0.0796	0.124	0.138	0.133
Benzene	0.06	20	20	0.06	70	NS	NS	NS	0.0007	NS	NS	0.0014	NS	0.0024	0.00049 U	0.00057 U	0.00061 U	0.0007 U
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE				0.001			0.0014		0.0013 U	0.0282	14.6	17.8	27.6
Methyl Ethyl Ketone	0.1	500	1000	0.1	100				0.049			0.0163		0.0142	0.0092 J	0.0219	0.012 U	0.014 U
Toluene	0.7	500	1000	0.7	36				0.0011			0.001 J		0.0013 U	0.00098 U	0.0011 U	0.0012 U	0.0014 U
Trichloroethylene	0.47	200	400	0.47	2				0.00094 U			0.0012 U		0.0013 U	0.0017	0.0011 U	0.0097	0.0214
Xylenes	0.26	500	1000	1.2	0.26				0.00094 U			0.0012 U		0.0013 U	0.00098 U	0.0011 U	0.0012 U	0.0014 U

Table 2-7
VOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth												
						Sample Date												
						Units												
BBERM-12						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
						09/24/2020	09/24/2020	9/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	11/03/2020	11/03/2020
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1,1-Trichloroethane	0.68	500	1000	0.68	NE			0.002 U	0.0332 J	0.0084 J	0.0063	0.0025 U	0.0021 U	0.0023 U	0.0022 U	0.0023 U		
1,1-Dichloroethane	0.27	240	240	0.27	NE			0.00098 U	0.0117	0.0077 J	0.0112	0.0018	0.0011 U	0.0011 U	0.0009 J	0.0012 U		
1,1-Dichloroethene	0.24	5.1	5.1	0.33	NE			0.00098 U	0.0012 U	0.0014 U	0.00092 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U		
1,2-Dichlorobenzene	1.1	500	1000	1.1	NE			0.00098 U	0.002	0.0014 U	0.00092 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U		
1,2-Dichloroethane	0.02	30	30	0.02	10			0.00098 U	0.00089 J	0.0014 U	0.00092 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U		
Acetone	0.03	500	1000	0.03	2.2	NS	NS	0.115	2.61	1.76 J	1.53 J	0.179	0.1	0.0743	0.0663	0.114	NS	NS
Benzene	0.06	20	20	0.06	70			0.0017	0.0019	0.00071 U	0.00059	0.00061 U	0.00053 U	0.00057 U	0.00056 U	0.00058 U		
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE			0.00098 U	0.0012 U	0.0014 U	0.00092 U	0.0031	0.0011 U	0.0011 U	0.0011 U	0.0012 U		
Methyl Ethyl Ketone	0.1	500	1000	0.1	100			0.0129	0.0223	0.014 U	0.0146	0.0269	0.011 U	0.011 U	0.011 U	0.0158		
Toluene	0.7	500	1000	0.7	36			0.00098 U	0.0128 J	0.002	0.0019	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U		
Trichloroethylene	0.47	200	400	0.47	2			0.00098 U	0.0012 U	0.0014 U	0.00092 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U		
Xylenes	0.26	500	1000	1.2	0.26			0.00098 U	0.0041	0.0014 U	0.00092 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012 U		
BBERM-13						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
						09/24/2020	09/24/2020	9/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1,1-Trichloroethane	0.68	500	1000	0.68	NE		0.002 U		0.0013 J	0.0027	0.0022	0.0029 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U		
1,1-Dichloroethane	0.27	240	240	0.27	NE		0.001 U		0.0163	0.0218	0.006	0.0015	0.0011 U	0.0011 U	0.0011 U	0.0011 U		
1,1-Dichloroethene	0.24	5.1	5.1	0.33	NE		0.001 U		0.0014 U	0.0011 U	0.0011 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U		
1,2-Dichlorobenzene	1.1	500	1000	1.1	NE		0.001 U		0.0014 U	0.0011 U	0.0011 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U		
1,2-Dichloroethane	0.02	30	30	0.02	10		0.001 U		0.0014 U	0.0011 U	0.0011 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U		
Acetone	0.03	500	1000	0.03	2.2	NS	0.164	NS	0.434	0.16	0.159	0.258	0.172	0.0984	0.0942	0.145	NS	NS
Benzene	0.06	20	20	0.06	70		0.0015		0.003	0.00062	0.00054 U	0.00073 U	0.00056 U	0.00055 U	0.00056 U	0.00055 U		
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE		0.00092 J		0.0014 U	0.0011 U	0.0011 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U		
Methyl Ethyl Ketone	0.1	500	1000	0.1	100		0.0272		0.0392	0.021	0.0205	0.015 U	0.0243	0.0102 J	0.0108 J	0.0209		
Toluene	0.7	500	1000	0.7	36		0.0019		0.0205	0.0039	0.0015	0.0015 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U		
Trichloroethylene	0.47	200	400	0.47	2		0.001 U		0.0014 U	0.0011 U	0.0011 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U		
Xylenes	0.26	500	1000	1.2	0.26		0.0017		0.0029	0.0011 U	0.0011 U	0.0015 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U		
BBERM-14						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
						09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1,1-Trichloroethane	0.68	500	1000	0.68	NE	0.0021 U	0.0017 U	0.0021 U	0.0024 U	0.0023 U	0.0024 U	0.0022 U	0.0018 U					
1,1-Dichloroethane	0.27	240	240	0.27	NE	0.001 U	0.00087 U	0.0011 J	0.0012 U	0.0014 J	0.00067 J	0.0011 U	0.00092 U					
1,1-Dichloroethene	0.24	5.1	5.1	0.33	NE	0.001 U	0.00087 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.00092 U					
1,2-Dichlorobenzene	1.1	500	1000	1.1	NE	0.001 U	0.00087 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.00092 U					
1,2-Dichloroethane	0.02	30	30	0.02	10	0.001 U	0.00087 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.00092 U					
Acetone	0.03	500	1000	0.03	2.2	0.01 U	0.0602	0.12	0.0522	0.0923	0.0731	0.0774	0.105	NS	NS	NS	NS	NS
Benzene	0.06	20	20	0.06	70	0.00052 U	0.00043 J	0.0028	0.0006 U	0.00057 U	0.00061 U	0.00055 U	0.0012					
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE	0.001 U	0.00087 U	0.0013	0.0012 U	0.0011 U	0.0014	0.0011 U	0.00092 U					
Methyl Ethyl Ketone	0.1	500	1000	0.1	100	0.01 U	0.0114	0.0151	0.012 U	0.011 U	0.012 U	0.0157	0.0154					
Toluene	0.7	500	1000	0.7	36	0.001 U	0.00087 U	0.0143	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.00092 U					
Trichloroethylene	0.47	200	400	0.47	2	0.001 U	0.00087 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.00092 U					
Xylenes	0.26	500	1000	1.2	0.26	0.001 U	0.00087 U	0.0024	0.00096 J	0.0011 U	0.0012 U	0.0011 U	0.00092 U					

Table 2-7
VOCs Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth												
						Sample Date												
						Units												
BBERM-14						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	12'-14'	14'-16'	16'-18'	18'-20'	20'-22'	22'-24'
						09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020	09/24/2020
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1,1-Trichloroethane	0.68	500	1000	0.68	NE	0.002 U	0.0019 U	0.0034 U	0.0031 U	0.0025 U	0.42 U	0.24 U	0.0024 U	0.0022 U				
1,1-Dichloroethane	0.27	240	240	0.27	NE	0.001 U	0.00094 U	0.0017 U	0.0016 U	0.0012 U	0.21 U	0.12 U	0.0012 U	0.0011 U				
1,1-Dichloroethene	0.24	5.1	5.1	0.33	NE	0.001 U	0.00094 U	0.0017 U	0.0016 U	0.0012 U	0.21 U	0.12 U	0.0012 U	0.0011 U				
1,2-Dichlorobenzene	1.1	500	1000	1.1	NE	0.001 UJ	0.00094 U	0.0017 U	0.0016 U	0.0012 U	0.21 U	0.12 U	0.0012 U	0.0011 U				
1,2-Dichloroethane	0.02	30	30	0.02	10	0.001 U	0.00094 U	0.0017 U	0.0016 U	0.0012 U	0.21 U	0.12 U	0.0012 U	0.0011 U				
Acetone	0.03	500	1000	0.03	2.2	0.0544	0.0755	0.0568	0.0619	0.0763	2.1 U	1.2 U	0.076	0.0473	NS	NS	NS	NS
Benzene	0.06	20	20	0.06	70	0.00051 U	0.00047 U	0.00085 U	0.00079	0.00062 U	0.11 U	0.059 U	0.00062	0.00056 U				
cis-1,2-Dichloroethene	0.19	500	590	0.19	NE	0.001 U	0.00094 U	0.0017 U	0.0016 U	0.0012 U	0.37	0.326	0.0019	0.001 J				
Methyl Ethyl Ketone	0.12	500	1000	0.12	100	0.01 U	0.0133	0.017 U	0.016 U	0.012 U	2.1 U	1.2 U	0.0148	0.011 U				
Toluene	0.7	500	1000	0.7	36	0.001 U	0.00094 U	0.0017 U	0.0012 J	0.0012 U	0.21 U	0.12 U	0.0012 U	0.0011 U				
Trichloroethylene	0.47	200	400	0.47	2	0.001 U	0.00094 U	0.0017 U	0.0016 U	0.0012 U	0.859	0.225	0.0012 U	0.00092 J				
Xylenes	0.26	500	1000	1.2	0.26	0.001 U	0.00094 U	0.0017 U	0.0016 U	0.0012 U	0.137 J	0.12 U	0.0012 U	0.0011 U				

Notes:

Bold = Indicates exceedance above the Commercial Use SCOs
Yellow Highlight = Indicates exceedance above the Industrial Use SCOs
Blue Font = Indicates exceedance above the Protection of Groundwater SCOs
Underline = Indicates exceedance above Protection of Ecological Resources SCOs (mg/kg).
J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
mg/kg = milligram per kilogram
NA = Not analyzed
NE = Not established.
NS = Not sampled
NYSDEC = New York State Department of Environmental Conservation
OU1 = Operable Unit 1
ppm = part per million
SCO = soil cleanup objective
U = Indicates the analyte was analyzed for but not detected.
VOC = volatile organic compound
Sample depths are shown in inches (") and feet (').

Table 2-8
Herbicides/Pesticides Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth						
						Sample Date						
						Units						
A7						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/16/2013	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.029 J	0.01 U	NA	NA	NS	0.011 U	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	R	0.074 J				0.0066 U	
4,4'-DDT	0.0033	27	27	135	0.0033	0.082 J	0.096 J				0.0045 U	
B7						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/16/2013	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.52 J	0.0098 U	NS	NA	NA	0.0053 U	NS
4,4'-DDD	0.0033	33	33	14	0.0033	0.91 J	0.0079 U				0.0043 U	
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.61 BJ	0.0061 U				0.0033 U	
4,4'-DDT	0.0033	27	27	135	0.0033	1.7	0.0041 U				0.0023 U	
B13						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.089 J	0.028 U	NA	NA	NS	NS	NS
4,4'-DDT	0.0033	27	27	135	0.0033	0.22 J	0.25 J					
B14						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
alpha-BHC	0.02	1.2	1.2	0.02	0.04	0.04 J	0.33 U	NS	NS	NS	NS	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.11 J	0.44 J					
4,4'-DDT	0.0033	27	27	135	0.0033	0.24 J	0.73 J					
BLG-2						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/16/2013	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.0093 U	0.046 J	NS	NS	NS	0.011 U	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.0058 U	0.062 BJ				0.0067 U	
4,4'-DDT	0.0033	27	27	135	0.0033	0.13 J	0.15 J				0.0045 U	
BLG-3						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/16/2013	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
4,4'-DDD	0.0033	33	33	14	0.0033	0.2	0.0075 U	NA	NS	NA	0.0022 U	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.07 B	0.045 BJ				0.0017 U	
4,4'-DDT	0.0033	27	27	135	0.0033	0.31 J	0.2 J				0.0011 U	

Table 2-8
Herbicides/Pesticides Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth						
						Sample Date						
						Units						
C13						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/16/2013	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
delta-BHC	0.04	500	1000	0.1	0.04	0.024 U	0.26 B	NA	NA	NA	NA	0.0017 UJ
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.043 U	0.29 J					0.0015 UJ
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.092 J	0.44 J					0.0013 U
4,4'-DDT	0.0033	27	27	135	0.0033	0.2	0.97 J					0.0018 U
C14						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
4,4'-DDD	0.0033	33	33	14	0.0033	0.54 J	0.037 U	NA	NA	NA	NS	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.44 J	0.25 J					
4,4'-DDT	0.0033	27	27	135	0.0033	0.81 J	0.59 J					
C15						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
4,4'-DDT	0.0033	27	27	135	0.0033	0.48 J	0.39 J	NA	NA	0.00019 UJ	NS	NS
D6						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.012 U	0.011 J	NA	NS	NS	NS	NS
4,4'-DDD	0.0033	13	180	14	0.0033	0.011 J	0.0088 U					
D7						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/17/2013	**10/17/2013**	**10/17/2013**	**10/17/2013**	**10/17/2013**	**10/17/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.08 B	0.097 BJ	NA	NS	NS	NS	NS
4,4'-DDT	0.0033	27	27	135	0.0033	0.27 J	0.27 J					
D14-NW						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Alpha Chlordane	0.014	8.2	11	4.5	1.3	0.091 U	0.94 U	NA	0.13 J	NA	NS	NS
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.19 J	0.45 U		0.52 J			
Endrin	0.014	55	87	0.06	0.014	0.025 U	0.26 U		0.25 J			
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.25 J	0.49 J		0.1 J			
4,4'-DDT	0.0033	27	27	135	0.0033	0.019 U	1.3 J		0.0046 U			

Table 2-8
Herbicides/Pesticides Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth						
						Sample Date						
						Units						
D14-SE						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.08 J	0.043 U	NA	NA	0.0005 U	NS	NS
Heptachlor	0.013	5.1	5.1	0.38	0.14	0.047 J	0.028 U			0.00037 J		
D15						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.13 J	0.27 U	NA	0.015 U	NS	NS	NS
E2						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.11 U	0.052 J	NS	0.02 U	NS	NS	NS
E6						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aldrin	0.0048	0.33	0.33	0.19	0.14	0.2 J	0.053 U	NA	NA	0.028 U	NS	NS
4,4'-DDD	0.0033	33	33	14	0.0033	1.3 J	0.042 U			0.022 U		
4,4'-DDT	0.0033	27	27	135	0.0033	1.8 J	0.022 U			0.012 U		
E8						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	R	0.013 J	NA	0.027 U	NS	NS	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.096 J	0.0058 U		0.017 U			
4,4'-DDT	0.0033	27	27	135	0.0033	0.76 J	0.004 U		0.011 U			
E9						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
delta-BHC	0.04	500	1000	0.1	0.04	0.031 J	0.041 J	NA	NA	NA	NA	NS
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.14 J	0.14 J					
4,4'-DDT	0.0033	27	27	135	0.0033	0.58 J	0.55 J					
E10						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.12 J	0.024 U	NA	0.0051 U	NS	NS	NS
4,4'-DDD	0.0033	33	33	14	0.0033	0.3 J	R		0.0041 U			
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.18 J	0.072 J		0.0032 U			
4,4'-DDT	0.0033	27	27	135	0.0033	0.43 J	0.19 J		0.0022 U			

Table 2-8
Herbicides/Pesticides Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth						
						Sample Date						
						Units						
F6						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
beta-BHC	0.021	1.8	2.9	0.09	0.6	0.042 J	0.023 U	NA	NS	NS	NS	NS
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.26 J	0.052 U					
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.34 J	0.15 J					
4,4'-DDT	0.0033	27	27	135	0.0033	0.87 J	0.35 J					
F7						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.23 J	0.48 U	NA	NS	NS	NS	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.26 BJ	0.3 U					
4,4'-DDT	0.0033	27	27	135	0.0033	0.84 BJ	0.21 U					
F8						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Heptachlor	0.013	5.1	5.1	0.38	0.14	0.049 J	NA	NA	NS	NS	NS	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.65 BJ						
F9						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.33 J	0.33 J	NA	NA	0.026 U	NS	NS
Endrin	0.014	55	87	0.06	0.014	0.1 J	0.026 U			0.015 U		
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.5 J	0.44 J			0.016 U		
4,4'-DDT	0.0033	27	27	135	0.0033	1.4 J	0.019 U			0.011 U		
F10						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
delta-BHC	0.04	500	1000	0.1	0.04	0.071 J	0.025 J	NS	NS	NS	NS	0.0016 UJ
4,4'-DDD	0.0033	33	33	14	0.0033	0.43 J	0.096 J					0.0017 U
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.25 J	0.059 J					0.0012 U
4,4'-DDT	0.0033	27	27	135	0.0033	0.61 J	0.13 J					0.0017 U
G2						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.042 J	0.52 U	NS	0.057 U	NA	NS	NS
gamma-BHC (Lindane)	0.025	0.21	3.4	0.05	6	0.013 U	**0.74 J**		0.062 J			

Table 2-8
Herbicides/Pesticides Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth						
						Sample Date						
						Units						
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	8'-10'
						G3						
						10/23/2013	10/23/2013	10/23/2013	10/23/2013	10/23/2013	10/23/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.047 J	0.0024 U	NS	0.039 J	NS	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	8'-10'
						G7						
						10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
alpha-BHC	0.02	1.2	1.2	0.02	0.04	0.048 J	0.035 U					
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.75 J	0.046 U					
4,4'-DDD	0.0033	33	33	14	0.0033	1.9 J	0.038 U	NA	NA	NA	NS	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.88 J	0.099 J					
4,4'-DDT	0.0033	27	27	135	0.0033	2.7 J	0.25 J					
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	8'-10'
						G8						
						10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
beta-BHC	0.021	1.8	2.9	0.09	0.6	0.046 J	0.021 U			0.021 U		
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.85 J	0.046 U			0.047 U		
Heptachlor	0.013	5.1	5.1	0.38	0.14	0.059 J	0.03 U	NA	NA	0.031 U	NS	NS
4,4'-DDD	0.0033	33	33	14	0.0033	2.2 J	0.092 J			0.038 U		
4,4'-DDE	0.0033	22	22	9.3	0.0033	1.1 J	0.14 J			0.029 U		
4,4'-DDT	0.0033	27	27	135	0.0033	2.9 J	0.02 U			0.02 U		
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	8'-10'
						G9						
						10/21/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
alpha-BHC	0.02	1.2	1.2	0.02	0.04	0.021 J	0.022 J					
delta-BHC	0.04	500	1000	0.1	0.04	0.053 J	0.043 J					
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.26 J	R					
Endrin	0.014	55	87	0.06	0.014	0.014 U	0.11 J	NA	NA	NS	NS	NS
4,4'-DDD	0.0033	33	33	14	0.0033	0.68 J	0.02 U					
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.35 J	R					
4,4'-DDT	0.0033	27	27	135	0.0033	0.97 J	1.4 J					

Table 2-8
Herbicides/Pesticides Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth						
						Sample Date						
						Units						
G12						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
alpha-BHC	0.02	1.2	1.2	0.02	0.04	0.042 J	0.033 U	NA	0.0004 U	NS	NS	NS
delta-BHC	0.04	500	1000	0.1	0.04	0.057 J	0.024 U		0.0003 U			
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.37 J	0.043 U		0.0005 U			
4,4'-DDD	0.0033	33	33	14	0.0033	0.92 J	0.035 U		0.0004 U			
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.031 U	0.14 J		0.00053 J			
4,4'-DDT	0.0033	27	27	135	0.0033	1.2 J	0.42 J		0.00092 J			
G13						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
alpha-BHC	0.02	1.2	1.2	0.02	0.04	0.046 J	0.33 U	NA	0.033 U	NS	NS	NS
beta-BHC	0.021	1.8	2.9	0.09	0.6	0.046 J	0.2 U		0.02 U			
delta-BHC	0.04	500	1000	0.1	0.04	0.078 J	0.024 U		0.04 J			
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.63 J	0.44 U		0.044 U			
4,4'-DDD	0.0033	33	33	14	0.0033	1.6 J	0.35 U		0.036 U			
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.73 J	0.27 U		0.028 U			
4,4'-DDT	0.0033	27	27	135	0.0033	2.4 J	0.75 J		0.019 U			
H2						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/23/2013	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
4,4'-DDD	0.0033	33	33	14	0.0033	0.15 U	0.058 J	NS	NS	NS	NS	0.002 U
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.085 J	0.13 J					0.0015 U
H7						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/23/2013	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
alpha-BHC	0.02	1.2	1.2	0.02	0.04	0.052 J	0.038 U	NS	NA	NS	NS	NS
Dieldrin	0.005	0.48	0.48	0.1	0.006	1.1 J	0.051 U					
Endrin	0.014	55	87	0.06	0.014	0.28 J	0.029 U					
Heptachlor	0.013	5.1	5.1	0.38	0.14	0.051 J	0.033 U					
4,4'-DDD	0.0033	33	33	14	0.0033	0.041 U	0.041 J					
4,4'-DDE	0.0033	22	22	9.3	0.0033	1.4 J	0.032 U					
4,4'-DDT	0.0033	27	27	135	0.0033	3.9 J	0.022 U					

Table 2-8
Herbicides/Pesticides Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth						
						Sample Date						
						Units						
H8						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/23/2013	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
alpha-BHC	0.02	1.2	1.2	0.02	0.04	0.052 J	0.034 U	NA	0.042 U	NA	NS	NS
Dieldrin	0.005	0.48	0.48	0.1	0.006	1.5 J	0.045 U		0.057 U			
Endrin	0.014	55	87	0.06	0.014	0.39 J	0.026 U		0.033 U			
4,4'-DDD	0.0033	33	33	14	0.0033	0.04 U	0.49 J		0.046 U			
4,4'-DDE	0.0033	22	22	9.3	0.0033	1.8 J	0.28 BJ		0.035 U			
4,4'-DDT	0.0033	27	27	135	0.0033	5.5 J	0.64 BJ		0.024 U			
H10						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/23/2013	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
beta-BHC	0.021	1.8	2.9	0.09	0.6	0.043 J	0.11 U	NA	NA	0.012 U	NS	NS
Dieldrin	0.005	0.48	0.48	0.1	0.006	0.77 J	0.25 U			0.027 U		
Heptachlor	0.013	5.1	5.1	0.38	0.14	0.046 J	0.16 U			0.018 U		
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.86 J	0.16 U			0.017 U		
4,4'-DDT	0.0033	27	27	135	0.0033	2.7 J	0.11 U			0.012 U		
H13						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
4,4'-DDD	0.0033	33	33	14	0.0033	0.02 U	0.026 J	0.02 U	NA	NS	NS	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.03 J	0.022 J	0.025 J				
4,4'-DDT	0.0033	27	27	135	0.0033	0.011 U	0.038 J	0.062 J				
I7						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**	**8'-10'**
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**5/20/2015**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
beta-BHC	0.021	1.8	2.9	0.09	0.6	0.021 U	0.14 J	NA	0.01 U	NS	NS	NS
delta-BHC	0.04	500	1000	0.1	0.04	0.25 BJ	0.13 U		0.013 U			
4,4'-DDD	0.0033	33	33	14	0.0033	0.037 U	1.6 J		0.019 U			
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.92 BJ	0.15 U		0.014 U			
4,4'-DDT	0.0033	27	27	135	0.0033	2.4 BJ	2 B		0.0098 U			

Table 2-8
Herbicides/Pesticides Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth						
						Sample Date						
						Units						
I8						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
alpha-BHC	0.02	1.2	1.2	0.02	0.04	0.044 J	0.05 J			0.034 U		
delta-BHC	0.04	500	1000	0.1	0.04	0.22 BJ	0.2 BJ			0.025 U		
Endrin	0.014	55	87	0.06	0.014	0.026 U	0.22 J	NA	NA	0.026 U	NS	NS
4,4'-DDD	0.0033	33	33	14	0.0033	1.6 J	2.1 J			0.052 J		
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.76 BJ	1 BJ			0.029 U		
4,4'-DDT	0.0033	27	27	135	0.0033	2.3 BJ	3 BJ			0.019 U		
I9						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
alpha-BHC	0.02	1.2	1.2	0.02	0.04	0.21 J	0.05 J					
delta-BHC	0.04	500	1000	0.1	0.04	0.13 U	0.45 B					
4,4'-DDD	0.0033	33	33	14	0.0033	0.19 U	1.5 J	NS	NA	NA	NS	NS
4,4'-DDE	0.0033	22	22	9.3	0.0033	0.15 U	0.87 BJ					
4,4'-DDT	0.0033	27	27	135	0.0033	1.8 BJ	2 BJ					

Table 2-8
Herbicides/Pesticides Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth						
						Sample Date						
						Units						
I10						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'	8'-10'
						10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	5/20/2015
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
delta-BHC	0.04	500	1000	0.1	0.04	0.14 U	0.22 BJ	NA	NA	0.24 U	NS	NS
4,4'-DDD	0.0033	33	33	14	0.0033	1.7 J	1.4 J			0.35 U		
4,4'-DDE	0.0033	22	22	9.3	0.0033	1 BJ	0.67 BJ			0.27 U		
4,4'-DDT	0.0033	27	27	135	0.0033	2.2 BJ	1.8 BJ			0.18 U		

Notes:

B = Compound was found in the blank and sample.

BHC = Benzene hexachloride

Blue Font = Indicates exceedance above the Protection of Groundwater SCOs

Bold = Indicates exceedance above the Commercial Use SCOs

Yellow highlight = Indicates exceedance above the Industrial Use SCOs

Underlined = Indicates exceedance above Protection of Ecological Resources SCOs (mg/kg) .

DDD = dichlorodiphenyldichloroethane

DDE = dichlorodiphenyldichloroethylene

DDT = dichlorodiphenyltrichloroethane

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an ap

mg/kg = milligram per kilogram

NA = Not analyzed

NS = No sampled collected at this depth interval

OU1 = Operable Unit 1

ppm = part per million

R = Data rejected by third-party validator.

SCO = soil cleanup objective

U = Indicates the analyte was analyzed for but not detected.

Sample depths shown in inches (") and feet (').

Table 2-9
1,4-Dioxane Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste Site
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth					
						Sample Date					
						Units					
A7						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/16/2013	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.02 U	0.028 U	NS	NS	NS	0.025 U
B7						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/16/2013	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.023 U	0.024 U	NS	NS	NS	0.022 U
B13						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.024 U	0.034 U	NS	NS	NS	NS
B14						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.023 U	0.02 U	NS	NS	NS	NS
C13						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.02 U	0.023 U	NS	NS	NS	NS
C14						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.026 U	0.023 U	NS	NS	NS	NS
C15						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.023 U	0.021 U	NS	NS	0.024 U	NS
D1						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/19/2020	**10/19/2020**	**10/19/2020**	**10/19/2020**	**10/19/2020**	**10/19/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.052 U	0.042 U	NS	NS	NS	NS
D2						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/20/2020	**10/20/2020**	**10/20/2020**	**10/20/2020**	**10/20/2020**	**10/20/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.038 U	0.037 U	NS	NS	NS	NS
D3						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/20/2020	**10/20/2020**	**10/20/2020**	**10/20/2020**	**10/20/2020**	**10/20/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.042 U	0.037 U	NS	NS	NS	NS
D4						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/20/2020	**10/20/2020**	**10/20/2020**	**10/20/2020**	**10/20/2020**	**10/20/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.037 U	0.075 U	NS	NS	NS	NS
D14-NW						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**

Table 2-9
1,4-Dioxane Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste Site
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth					
						Sample Date					
						Units					
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.022 U	0.026 U	NS	0.029 U	NS	NS
D14-SE						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**5/20/2015**	**10/17/2016**	**10/21/2013**	**10/17/2016**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.019 U	0.021 U	NS	NS	0.024 U	NS
D15						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.022 U	0.022 U	NS	0.025 U	NS	NS
E1						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-8.5'**
						10/19/2020	**10/19/2020**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.087 U	0.04 U	NS	NS	NS	0.29 U
E2						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/24/2013	**10/24/2013**	**5/20/2015**	**10/18/2016**	**10/24/2013**	**10/18/2016**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.031 U	0.027 U	NS	0.025 U	NS	NS
E3						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/20/2020	**10/20/2020**	**10/24/2013**	**10/24/2013**	**10/24/2013**	**10/24/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.093 U	0.046 U	NS	NS	NS	NS
E4						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/20/2020	**10/20/2020**	**10/20/2020**	**10/20/2020**	**10/20/2020**	**10/20/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.045 U	0.038 U	NS	NS	NS	NS
E6						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.024 U	0.024 U	NS	NS	0.027 U	NS
E8						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**5/20/2015**	**10/18/2016**	**10/21/2013**	**10/18/2016**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.021 U	0.024 U	NS	0.027 U	NS	NS
E9						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.025 U	0.031 U	1.3 U	NS	NS	NS
E10						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.026 U	0.026 U	NS	0.024 U	NS	NS
ELG-1						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/18/2013	**10/18/2013**	**10/18/2013**	**10/18/2013**	**10/18/2013**	**10/18/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.025 U	0.023 U	0.024 U	0.021 U	0.036 U	0.024 U

Table 2-9
1,4-Dioxane Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste Site
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth					
						Sample Date					
						Units					
						0-2"	**18"-20"**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						F3					
						10/24/2013	**10/24/2013**	**10/24/2013**	**10/24/2013**	**10/24/2013**	**10/24/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	NS	0.044 U	NS	NS	NS	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						F6					
						10/22/2013	**10/22/2013**	**5/20/2015**	**10/18/2016**	**10/22/2013**	**10/18/2016**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.029 U	0.031 U	NS	NS	NS	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						F7					
						10/23/2013	**10/23/2013**	**5/20/2015**	**10/18/2016**	**10/23/2013**	**10/18/2016**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.027 U	0.03 U	NS	NS	NS	NS
						0-2"	**2"-2'**	**2'-2.5'**	**4'-6'**	**6'-8'**	**8'-10'**
						F8					
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.022 U	0.027 U	0.029 U	NS	NS	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						F9					
						10/21/2013	**10/21/2013**	**5/20/2015**	**10/18/2016**	**10/21/2013**	**10/18/2016**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.021 U	0.027 U	NS	NS	0.025 U	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						F10					
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.022 U	0.026 U	NS	NS	NS	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						F14					
						10/22/2020	**10/22/2020**	**10/22/2020**	**10/22/2020**	**10/22/2020**	**10/22/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.035 U	0.038 U	NS	NS	NS	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						G2					
						11/3/2013	**11/3/2013**	**11/3/2013**	**11/3/2013**	**11/3/2013**	**11/3/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.031 U	0.032 U	NS	0.036 U	NS	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						G3					
						10/23/2013	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.032 U	0.031 U	NS	0.039 U	NS	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						G7					
						10/22/2013	**10/22/2013**	**5/20/2015**	**10/18/2016**	**10/22/2013**	**10/18/2016**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.027 U	0.036 U	NS	NS	0.03 U	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						G8					
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.032 U	0.025 U	NS	NS	0.024 U	NS
						0-2"	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						G9					
						10/21/2013	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**	**10/21/2013**

Table 2-9
1,4-Dioxane Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste Site
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth					
						Sample Date					
						Units					
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.024 U	0.023 U	NS	NS	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						G12					
						10/21/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.028 U	0.018 U	NS	0.029 U	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						G13					
						10/21/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.026 U	0.023 U	NS	0.021 U	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						G14					
						10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.037 U	0.073 U	NS	NS	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						H1					
						10/24/2013	10/24/2013	5/20/2015	10/18/2016	10/24/2013	10/18/2016
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	NS	NS	NS	0.028 U	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						H2					
						10/24/2013	10/24/2013	10/24/2013	10/24/2013	10/24/2013	10/24/2013
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.048 U	0.054 U	NS	NS	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						H3					
						10/24/2013	10/24/2013	10/24/2013	10/24/2013	10/24/2013	10/24/2013
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.029 U	0.032 U	NS	0.04 U	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						H5					
						10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020	10/21/2020
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.094 U	0.039 U	NS	NS	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						H7					
						10/22/2013	10/22/2013	5/20/2015	10/18/2016	10/23/2013	10/18/2016
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.027 U	0.028 U	NS	NS	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						H8					
						10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.023 U	0.025 U	NS	1.8 U	NS	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						H10					
						10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013	10/22/2013
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.028 U	0.026 U	NS	NS	0.025 U	NS
						0-2"	2"-2'	2'-4'	4'-6'	6'-8'	8'-10'
						H13					
						10/21/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dioxane	0.1	130	250	0.1	0.1	0.025 U	0.022 U	0.025 U	NS	NS	NS

Table 2-9
1,4-Dioxane Detected in OU1 Soil Above the Unrestricted SCOs
Universal Waste Site
Utica, NY

Constituents	Unrestricted Use SCOs (mg/kg)	Commercial Use SCOs (mg/kg)	Industrial Use SCOs (mg/kg)	Protection of Groundwater SCOs (mg/kg)	Protection of Ecological Resources SCOs (ppm)	Sample Depth					
						Sample Date					
						Units					
I5						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/21/2020	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**	**10/21/2020**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.042 U	0.082 U	NS	NS	NS	NS
I7						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/23/2013	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**	**10/23/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.021 U	0.027 U	NS	0.024 U	NS	NS
I8						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.022 U	0.026 U	NS	NS	0.024 U	NS
I9						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.024 U	1.3 U	NS	NS	0.031 U	NS
I10						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/22/2013	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**	**10/22/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.025 U	0.031 U	NS	NS	0.024 U	NS
BLG-2						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/16/2013	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.034 U	0.022 U	NS	NS	NS	0.026 U
BLG-3						**0-2"**	**2"-2'**	**2'-4'**	**4'-6'**	**6'-8'**	**8'-10'**
						10/16/2013	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**	**10/16/2013**
						mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
1,4-Dioxane	0.1	130	250	0.1	0.1	0.025 U	0.028 U	NS	NS	NS	0.027 U

Notes:
Blue Font = Indicates exceedance above the Protection of Groundwater SCOs
Bold = Indicates exceedance above the Commercial Use SCOs
J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
mg/kg = milligrams per kilogram
NA = Not analyzed
NS = Not sampled
OU1 = Operable Unit 1
SCO = soil cleanup objective
U = Indicates the analyte was analyzed for but not detected.
VOC = volatile organic compound
Yellow Highlight = Indicates exceedance above the Industrial Use SCOs
Sample depths shown in inches (") and feet (').

Table 2-10
PFAS in OU1 Soil
Universal Waste
Utica, NY

Sample ID	NYSDEC Guidance Value[1]	Unit	MW-8RE	MW-8RE	MW-8RE	MW-8RE	MW-8RN	MW-8RN	MW-8RN	MW-8RN	MW-8RS
Date Sampled			10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020
Sample Depth			0-2"	2"-2'	2'-4'	4'-6'	0-2"	2"-2'	2'-4'	4'-6'	0-2"
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	-	µg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	-	µg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	-	µg/L	0.008 UJ	0.008 U	0.008 U	0.008 U	0.04 U	0.008 U	0.008 U	0.008 U	0.008 U
N-Methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	-	µg/L	0.008 UJ	0.008 U	0.008 U	0.008 U	0.04 U	0.008 U	0.008 U	0.008 U	0.008 U
Perfluorobutanesulfonic acid (PFBS)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Perfluorobutanoic acid (PFBA)	-	µg/L	0.0054 J	0.006 J	0.008 U	0.008 U	0.0033 J	0.0153	0.008 U	0.01	0.0064 J
Perfluorodecanesulfonic acid (PFDS) (free acid)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Perfluorodecanoic acid (PFDA)	-	µg/L	0.0022 J	0.004 U	0.004 U	0.004 U	0.0049	0.0162	0.004 U	0.0024 J	0.0021 J
Perfluorododecanoic acid (PFDoDA or PFDoA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Perfluoroheptanesulfonic acid (PFHpS)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Perfluoroheptanoic acid (PFHpA)	-	µg/L	0.0025 J	0.004 U	0.004 U	0.004 U	0.005	0.004 U	0.004 U	0.004 U	0.0087
Perfluorohexane sulfonic acid (PFHxS)	-	µg/L	0.0069 J	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Perfluorohexanoic acid (PFHxA)	-	µg/L	0.0022 J	0.004 U	0.004 U	0.004 U	0.004 U	0.0021 J	0.004 U	0.004 U	0.0024 J
Perfluorononanoic acid (PFNA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.0029 J	0.0028 J	0.0032 J	0.0027 J	0.004 U
Perfluorooctane sulfonamide (FOSA or PFOSA)	-	µg/L	0.0138	0.004 U	0.004 U	0.004 U	0.0144	0.0025 J	0.004 U	0.004 U	0.0159
Perfluorooctane sulfonic acid (PFOS)	0.0027	µg/L	0.0664	0.0315	0.0094	0.0051	0.343	0.594	0.146	0.213	0.128
Perfluorooctanoic acid (PFOA)	0.0067	µg/L	0.0049	0.0221	0.004 U	0.009	0.0099	0.0028 J	0.0058	0.0067	0.0081
Perfluoropentanoic acid (PFPeA)	-	µg/L	0.0036 J	0.004 U	0.004 U	0.004 U	0.0039 J	0.004 U	0.004 U	0.004 U	0.0063
Perfluorotetradecanoic acid (PFTA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Perfluorotridecanoic acid (PFTrDA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Perfluoroundecanoic acid (PFUnDA or PFUnA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U

Notes:
1. NYSDEC's *Final Ambient Water Quality Guidance Value established on March 15, 2023*
Depth values are shown in inches (") and feet (').
µg/L = microgram per liter
NYSDEC = New York State Department of Environmental Conservation

Table 2-10
PFAS in OU1 Soil
Universal Waste
Utica, NY

Sample ID	NYSDEC Guidance Value[1]	Unit	MW-8RS	MW-8RS	MW-8RS	MW-8RSO	MW-8RSO	MW-8RSO	MW-8RSO	UW-3E	UW-3E
Date Sampled			10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020
Sample Depth			2"-2'	2'-4'	4'-6'	0-2"	2"-2'	2'-4'	4'-6'	0-2"	2"-2'
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	-	µg/L	0.008 U	0.008 U	0.0047 J	0.008 U	0.008 U	0.008 U	0.008 U	0.0067 U	0.0067 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	-	µg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.0067 U	0.0067 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	-	µg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.0067 U	0.0067 U
N-Methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	-	µg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.0067 U	0.0067 U
Perfluorobutanesulfonic acid (PFBS)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U
Perfluorobutanoic acid (PFBA)	-	µg/L	0.0022 J	0.0177	0.0078 J	0.0096	0.0026 J	0.0022 J	0.008 U	0.0025 J	0.0047 J
Perfluorodecanesulfonic acid (PFDS) (free acid)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U
Perfluorodecanoic acid (PFDA)	-	µg/L	0.0027 J	0.004 U	0.004 U	0.004 U	0.0029 J	0.0031 J	0.004 U	0.0033 U	0.0018 J
Perfluorododecanoic acid (PFDoDA or PFDoA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U
Perfluoroheptanesulfonic acid (PFHpS)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U
Perfluoroheptanoic acid (PFHpA)	-	µg/L	0.0049	0.004 U	0.004 U	0.006	0.004 U	0.004 U	0.004 U	0.0033 U	0.0031 J
Perfluorohexane sulfonic acid (PFHxS)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U
Perfluorohexanoic acid (PFHxA)	-	µg/L	0.0029 J	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U
Perfluorononanoic acid (PFNA)	-	µg/L	0.0041	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0022 J
Perfluorooctane sulfonamide (FOSA or PFOSA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.0031 J	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U
Perfluorooctane sulfonic acid (PFOS)	0.0027	µg/L	0.274	0.0487	0.016	0.0702	0.196	0.187	0.0694	0.0138	0.0698
Perfluorooctanoic acid (PFOA)	0.0067	µg/L	0.0105	0.004 U	0.0036 J	0.004	0.0027 J	0.0033 J	0.004 U	0.0033 U	0.011
Perfluoropentanoic acid (PFPeA)	-	µg/L	0.0031 J	0.004 U	0.004 U	0.0054	0.004 U	0.004 U	0.004 U	0.0023 J	0.0033 U
Perfluorotetradecanoic acid (PFTA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U
Perfluorotridecanoic acid (PFTrDA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U
Perfluoroundecanoic acid (PFUnDA or PFUnA)	-	µg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0033 U	0.0033 U

Notes:
1. NYSDEC's *Final Ambient Water Quality Guidance Value established on March 15, 2023*
Depth values are shown in inches (") and feet (').
µg/L = microgram per liter
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Table 2-10
PFAS in OU1 Soil
Universal Waste
Utica, NY

Sample ID	NYSDEC Guidance Value[1]	Unit	UW-3E	UW-3E	UW-3N	UW-3N	UW-3N	UW-3N	UW-3S	UW-3S	UW-3S
Date Sampled			10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/23/2020	10/22/2020	10/22/2020	10/22/2020
Sample Depth			2'-4'	4'-6'	0-2"	2"-2'	2'-4'	4'-6'	0-2"	2"-2'	2'-4'
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	-	µg/L	0.008 U	0.008 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0103	0.0037 J	0.0105
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	-	µg/L	0.008 U	0.008 U	0.0067 U	0.0067 U	0.0067 U	0.0028 J	0.0101	0.0065 J	0.0055 J
N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	-	µg/L	0.008 U	0.008 U	0.0067 U	0.0028 J	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
N-Methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	-	µg/L	0.008 U	0.008 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
Perfluorobutanesulfonic acid (PFBS)	-	µg/L	0.004 U	0.004 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluorobutanoic acid (PFBA)	-	µg/L	0.0034 J	0.0032 J	0.0033 J	0.0051 J	0.0019 J	0.002 J	0.0021 J	0.0019 J	0.0046 J
Perfluorodecanesulfonic acid (PFDS) (free acid)	-	µg/L	0.004 U	0.004 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluorodecanoic acid (PFDA)	-	µg/L	0.004 U	0.004 U	0.0045	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0046	0.0033 U
Perfluorododecanoic acid (PFDoDA or PFDoA)	-	µg/L	0.004 U	0.004 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluoroheptanesulfonic acid (PFHpS)	-	µg/L	0.004 U	0.004 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluoroheptanoic acid (PFHpA)	-	µg/L	0.004 U	0.004 U	0.0054	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0018 J	0.0033 U
Perfluorohexane sulfonic acid (PFHxS)	-	µg/L	0.004 U	0.004 U	0.0033 U	0.0031 J	0.0021 J	0.0033 U	0.0036	0.0032 J	0.0017 J
Perfluorohexanoic acid (PFHxA)	-	µg/L	0.004 U	0.004 U	0.0042	0.0033 U	0.0033 U	0.0033 U	0.0044	0.0033 U	0.0033 U
Perfluorononanoic acid (PFNA)	-	µg/L	0.004 U	0.004 U	0.0051	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0036	0.0033 U
Perfluorooctane sulfonamide (FOSA or PFOSA)	-	µg/L	0.004 U	0.004 U	0.0033 U	0.0033 UJ	0.0033 U	0.0033 U	0.0037	0.006	0.0033 U
Perfluorooctane sulfonic acid (PFOS)	0.0027	µg/L	0.0233	0.0315	0.0983	0.0634	0.0283	0.0279	0.0192	0.24	0.0377
Perfluorooctanoic acid (PFOA)	0.0067	µg/L	0.004 U	0.004 U	0.0148	0.0073	0.0032 J	0.0024 J	0.0023 J	0.0127	0.003 J
Perfluoropentanoic acid (PFPeA)	-	µg/L	0.004 U	0.004 U	0.006	0.0025 J	0.0033 U	0.0033 U	0.0033 U	0.0019 J	0.0033 U
Perfluorotetradecanoic acid (PFTA)	-	µg/L	0.004 U	0.004 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluorotridecanoic acid (PFTrDA)	-	µg/L	0.004 U	0.004 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluoroundecanoic acid (PFUnDA or PFUnA)	-	µg/L	0.004 U	0.004 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0018 J	0.0033 U

Notes:
1. NYSDEC's *Final Ambient Water Quality Guidance Value established on March 15, 2023*
Depth values are shown in inches (") and feet (').
µg/L = microgram per liter
NYSDEC = New York State Department of Environmental Conservation

Table 2-10
PFAS in OU1 Soil
Universal Waste
Utica, NY

Sample ID	NYSDEC Guidance Value[1]	Unit	UW-3S	UW-3S	UW-3SO	UW-3SO	UW-3SO	UW-3SO	UW-3W	UW-3W	UW-3W	UW-3W
Date Sampled			10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020	10/22/2020
Sample Depth			4'-6'	6'-8'	0-2"	2"-2'	2'-4'	4'-6'	0-2"	2"-2'	2'-4'	4'-6'
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	-	µg/L	0.0084	0.0046 J	0.0029 J	0.0029 J	0.0038 J	0.0018 J	0.0067 U	0.0067 U	0.0067 U	0.0067 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	-	µg/L	0.0095	0.0202	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	-	µg/L	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0021 J	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
N-Methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	-	µg/L	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
Perfluorobutanesulfonic acid (PFBS)	-	µg/L	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluorobutanoic acid (PFBA)	-	µg/L	0.0034 J	0.0067 U	0.0027 J	0.0021 J	0.0022 J	0.0059 J	0.0047 J	0.0017 J	0.0067 U	0.0037 J
Perfluorodecanesulfonic acid (PFDS) (free acid)	-	µg/L	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluorodecanoic acid (PFDA)	-	µg/L	0.0033 U	0.0033 U	0.0033 U	0.0035	0.0033 U	0.0033 U	0.0047	0.0029 J	0.0035	0.0033 U
Perfluorododecanoic acid (PFDoDA or PFDoA)	-	µg/L	0.0033 U	0.0036 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluoroheptanesulfonic acid (PFHpS)	-	µg/L	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0023 J	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluoroheptanoic acid (PFHpA)	-	µg/L	0.0033 U	0.0033 U	0.0033 U	0.0035	0.0021 J	0.0017 J	0.0065	0.0031 J	0.0025 J	0.0033 U
Perfluorohexane sulfonic acid (PFHxS)	-	µg/L	0.002 J	0.0017 J	0.0033 U	0.0031 J	0.0261	0.0029 J	0.0033 U	0.002 J	0.0023 J	0.0023 J
Perfluorohexanoic acid (PFHxA)	-	µg/L	0.002 J	0.0033 U	0.0033 U	0.0033 U	0.0093	0.0033 U	0.0036	0.0033 U	0.0033 U	0.0033 U
Perfluorononanoic acid (PFNA)	-	µg/L	0.0033 U	0.0033 U	0.0033 U	0.0043	0.002 J	0.0021 J	0.0038	0.0023 J	0.0037	0.0033 U
Perfluorooctane sulfonamide (FOSA or PFOSA)	-	µg/L	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0107	0.017 U	0.0023 J	0.0033 U	0.0033 U	0.0033 UJ
Perfluorooctane sulfonic acid (PFOS)	0.0027	µg/L	0.0633	0.0374	0.0047	0.187 J	0.149	0.0203	0.134	0.131 J	0.247	0.0277
Perfluorooctanoic acid (PFOA)	0.0067	µg/L	0.0054	0.0034	0.0033 U	0.0148	0.011	0.0037	0.0115	0.0059	0.0082	0.003 J
Perfluoropentanoic acid (PFPeA)	-	µg/L	0.0018 J	0.0033 U	0.0033 U	0.0033 U	0.0042	0.0033 U	0.0066	0.0031 J	0.0025 J	0.0033 U
Perfluorotetradecanoic acid (PFTA)	-	µg/L	0.0033 U	0.0036 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluorotridecanoic acid (PFTrDA)	-	µg/L	0.0033 U	0.0036 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluoroundecanoic acid (PFUnDA or PFUnA)	-	µg/L	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U

Notes:
1. NYSDEC's *Final Ambient Water Quality Guidance Value established on March 15, 2023*
Depth values are shown in inches (") and feet (').
µg/L = microgram per liter
NYSDEC = New York State Department of Environmental Conservation

Table 2-11
LOSRI Groundwater Sample and Analyses Summary
Universal Waste
Utica, NY

Well ID	Field Parameters						Laboratory Analyses									Location
	pH	Temp.	Specific Conductance	DO	ORP	Turbidity	[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]Herbicides/ Pesticides	[7]1,4-D	[8]PFAS	[9]TSS	
UW-1	5	5	5	5	5	5	5	-	5	5	5	5	-	-	-	OU1
UW-2	5	5	5	5	5	5	5	-	5	5	5	5	-	-	-	OU1
UW-3	5	5	5	5	5	5	5	-	5	5	5	5	-	-	-	OU1
UW-4	5	5	5	5	5	5	5	-	5	5	5	5	-	-	-	OU1
UW-5	5	5	5	5	5	5	5	-	5	5	5	5	-	-	-	OU1
UW-6	5	5	5	5	5	5	5	-	5	5	5	5	-	-	-	OU1
UW-7	5	5	5	5	5	5	5	-	5	5	5	5	-	-	-	OU1
Deep Monitoring Wells																
B-5	4	4	4	4	4	4	4	-	4	4	4	4	-	-	-	OU1
B-7	4	4	4	4	4	4	4	-	4	4	4	4	-	-	-	OU1
MW-12B	Monitoring well not installed at time of investigation															Utica Alloys
MW-13B	1	1	1	1	1	1	1	-	1	1	1	1	-	-	-	Utica Alloys
MW-14B	1	1	1	1	1	1	1	-	1	1	1	1	-	-	-	OU1
MW-15B	1	1	1	1	1	1	1	-	1	1	1	1	-	-	-	OU1
MW-16B	Monitoring well not installed at time of investigation															Utica Alloys
UW-1B	Monitoring well not installed at time of investigation															OU1
UW-2B	Monitoring well not installed at time of investigation															OU1
UW-3B	1	1	1	1	1	1	1	-	1	1	1	1	-	-	-	OU1
UW-4B	1	1	1	1	1	1	1	-	1	1	1	1	-	-	-	OU1
UW-5B	1	1	1	1	1	1	1	-	1	1	1	1	-	-	-	OU1
UW-6B	1	1	1	1	1	1	1	-	1	1	1	1	-	-	-	OU1

Table 2-11
LOSRI Groundwater Sample and Analyses Summary
Universal Waste
Utica, NY

Well ID	Field Parameters						Laboratory Analyses									Location
	pH	Temp.	Specific Conductance	DO	ORP	Turbidity	[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]Herbicides/ Pesticides	[7]1,4-D	[8]PFAS	[9]TSS	
Discrete Groundwater Samples																
ELG-1	Not applicable						4	-	4	4	4	4	-	-	-	Background/Upgradient
TOTALS							**85**	**0**	**85**	**84**	**82**	**84**	**0**	**0**	**0**	

Notes:
1 - Aroclors analyzed via USEPA SW846 method 8082A and 608
2 - Congeners analyzed via USEPA method 1668
3 - Volatile organic compounds (VOCs) analyzed via SW846 method 8260B/C
4 - Semi-volatile organic compounds (SVOCs) analyzed via USEPA SW846 method 8270C/D/E
5 - Metals analyzed via USEPA SW846 methods 6010B/C and 7471A/B
6 - Herbicides and Pesticides analyzed via USEPA Methods 8151A and 8081B
7 - 1,4-Dioxane (1.4-D) analyzed via USEPA Method 8270 SIM
8 - Per-and polyfluoroalkyl substances (PFAS) Analyte List via USEPA Method 537.1
9 - Total Suspended Solids (TSS) to be analyzed via Method 2540B
'-' = Constituent(s) not analyzed
DO = dissolved oxygen
ORP = oxidation-reduction potential
Temp = temperature
USEPA = United States Environmental Protection Agency

Table 2-12
OU1 RI Groundwater Sample and Analyses Summary
Universal Waste
Utica, NY

Well ID	Location	Field Parameters						Laboratory Analyses									Location	
		pH	Temp.	Specific Conductance	DO	ORP	Turbidity	[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]Herbicides/ Pesticides	[7]1,4-D	[8]PFAS	[9]TSS	Northing	Easting
Fill/Alluvium Monitoring Wells																		
MW-B3R	OU1	2	2	2	2	2	2	1	-	-	-	-	-	-	1	-	1134723.156	1186313.477
MW-4	UA	3	3	3	3	3	3	-	-	3	-	-	-	-	-	1	1134356.832	1186038.371
MW-6R	OU1	4	4	4	4	4	4	2	-	1	1	2	-	-	2	-	1134805.767	1187024.851
MW-7	UA	3	3	3	3	3	3	-	-	3	1		-	1	-	1	1134274.992	1186010.701
MW-8R	OU1	4	4	4	4	4	4	1	-	2	1	2	-	1	2	1	1134602.451	1186192.233
MW-9	BACKGROUND	5	5	5	5	5	5	3	-	5	2	1	-	1	2	1	1134442.721	1186008.236
MW-10	UA	3	3	3	3	3	3	-	-	2	-	-	-	-	2	1	1134193.39	1185942.524
MW-11	UA	3	3	3	3	3	3	-	-	2	-	-	-	-	-	1	1134317.515	1186021.043
MW-12	UA	1	1	1	1	1	1	-	-	1	-	-	-	-	1	1	1134043.2	1185875.2
MW-17	UA	1	1	1	1	1	1	-	-	1	-	-	-	-	-	1	1134038	1185888.9
PZ-1	OU1	1	1	1	1	1	1	1	-	1	1	1	1	-	-	-	1134449.415	1186080.633
PZ-2	OU1	4	4	4	4	4	4	3	-	5	1	1	1	-	-	1	1134400.179	1186204.757
PZ-3	OU1	2	2	2	2	2	2	3	-	3	1	1	1	-	-	-	1134374.408	1186267.722
PZ-4	OU1	3	3	3	3	3	3	3	-	4	1	1	1	-	-	-	1134337.939	1186361.124
PZ-5	OU1	2	2	2	2	2	2	3	-	3	1	1	1	-	-	-	1134303.336	1186449.209
PZ-6	OU1	2	2	2	2	2	2	4	-	4	1	1	1	-	-	-	1134266.12	1186541.973
PZ-7	OU1	2	2	2	2	2	2	3	-	3	1	1	1	-	-	-	1134229.517	1186634.018
PZ-8	OU1	2	2	2	2	2	2	3	-	4	1	1	1	-	-	-	1134201.933	1186700.731
PZ-9	OU1	2	2	2	2	2	2	3	-	3	1	1	1	-	-	-	1134125.825	1186888.94
PZ-10	OU1	2	2	2	2	2	2	3	-	4	1	-	1	-	-	-	1134117.071	1186908.287
UW-1	OU1	4	4	4	4	4	4	2	-	3	1	-	-	1	2	1	1133876.141	1186177.321
UW-2	OU1	3	3	3	3	3	3	2	-	3	1	-	-	1	-	1	1134211.182	1186358.201
UW-3	OU1	4	4	4	4	4	4	2	-	2	1	2	-	1	2	1	1134366.333	1186691.594
UW-4	OU1	4	4	4	4	4	4	2	-	2	1	2	-	-	1	1	1134311.138	1186984.732
UW-5	OU1	4	4	4	4	4	4	3	-	4	1	3	-	1	1	1	1134134.022	1186888.225
UW-6	OU1	2	2	2	2	2	2	2	-	2	-	2	-	-	-	-	1134627.963	1186825.472
UW-7	OU1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	1134969.185	1186971.59

Table 2-12
OU1 RI Groundwater Sample and Analyses Summary
Universal Waste
Utica, NY

Well ID	Location	Field Parameters						Laboratory Analyses									Location	
		pH	Temp.	Specific Conductance	DO	ORP	Turbidity	[1]Aroclors	[2]Congeners	[3]VOCs	[4]SVOCs	[5]Metals	[6]Herbicides/ Pesticides	[7]1,4-D	[8]PFAS	[9]TSS	Northing	Easting
Deep Alluvium Monitoring Wells																		
B-5	OU1	2	2	2	2	2	2	2	-		-	2	-	-	-	-	1134601.261	1187130.482
B-7	OU1	3	3	3	3	3	3	2	-	3	-	-	-	1	-	1	1133906.465	1186654.582
MW-12B	UA	3	3	3	3	3	3	-	-	3	-	-	-	-	-	1	1134045.519	1185871.852
MW-13B	UA	3	3	3	3	3	3	-	-	3	1	-	-	1	-	1	1134278.681	1186003.192
MW-14B	OU1	3	3	3	3	3	3	-	-	3	-	-	-	-	-	1	1134486.266	1186122.601
MW-15B	OU1	3	3	3	3	3	3	-	-	3	-	-	-	-	-	1	1134127.14	1186146.045
MW-16B	UA	1	1	1	1	1	1	-	-	1	-	-	-	-	-	1	1134141.6	1185940.3
UW-1B	OU1	1	1	1	1	1	1	1	-	1		-	-	-	-	-	1133901.4	1186167.3
UW-2B	OU1	3	3	3	3	3	3	2	-	3	1	-	-	1	-	1	1134208.687	1186366.253
UW-3B	OU1	3	3	3	3	3	3	-	-	3	2	-	-	1	-	1	1134368.811	1186698.815
UW-4B	OU1	3	3	3	3	3	3	-	-	3	-	-	-	1	-	1	1134309.073	1186989.054
UW-5B	OU1	4	4	4	4	4	4	1	-	4	1	3	-	1	-	1	1134138.963	1186896.689
UW-6B	OU1	3	3	3	3	3	3	-	-	3	-	2	-	1	-	1	1134627.3	1186829.2
TOTALS		**108**	**108**	**108**	**108**	**108**	**108**	**58**	**0**	**103**	**25**	**30**	**10**	**14**	**16**	**25**		

Notes:
1 - Aroclors analyzed via USEPA SW846 method 8082A and 608
2 - Congeners analyzed via USEPA method 1668
3 - Volatile organic compounds (VOCs) analyzed via SW846 method 8260B/C
4 - Semi-volatile organic compounds (SVOCs) analyzed via USEPA SW846 method 8270C/D/E
5 - Metals analyzed via USEPA SW846 methods 6010B/C and 7471A/B
6 - Herbicides and Pesticides analyzed via USEPA Methods 8151A and 8081B
7 - 1,4-Dioxane (1.4-D) analyzed via USEPA Method 8270 SIM
8 - Per-and polyfluoroalkyl substances (PFAS) Analyte List via USEPA Method 537.1
9 - Total Suspended Solids (TSS) to be analyzed via Method 2540B
'-' = Not analyzed for this monitoring well
DO = dissolved oxygen
ORP = oxidation-reduction potential
OU1 = Operable Unit 1
Temp = temperature
UA = Utica Alloys
USEPA = United States Environmental Protection Agency

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	B-5							B-7							
		4/2/2014	10/16/2014	3/11/2015	7/14/2015	10/13/2015	11/3/2016	5/10/2017	4/3/2014	10/17/2014	3/11/2015	7/15/2015	10/14/2015	11/3/2016	5/9/2017	11/5/2020
METALS (µg/L)																
Antimony	3	2.6 J	6 U	6 U	6 U	6 U	6 U	6 U	2.5 U	6 U	6 U	6 U	6 U	--	--	--
Arsenic	25	5.8 J	4 U	4 U	4 U	4 U	4 U	3 U	3.5 J	4 U	4 U	4 U	4 U	--	--	--
Barium	1000	**1420**	**1400**	**1020**	**1450**	**1470**	**1420**	**1410**	93.8 J	97.4	70.6	77.7	96.3	--	--	--
Cadmium	5	0.17 U	4 U	4 U	4 U	4 U	4 U	3 U	0.17 U	4 U	4 U	4 U	4 U	--	--	--
Chromium, Total	50	1 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	10 U	10 U	10 U	10 U	--	--	--
Copper	200	0.85 U	25 U	25 U	25 U	25 U	25 U	10 U	0.85 U	25 U	25 U	25 U	25 U	--	--	--
Iron	300	**25400**	**23200**	**3290**	**27600**	**26600**	**24200**	**27400**	**6080**	**8670**	**345**	**3200**	**7470**	--	--	--
Lead	25	1.7 J	**26.6**	**25.2**	7.5	10.7	5 U	3 U	1.5 U	5 U	5 U	5 U	5 U	--	--	--
Manganese	300	**323**	**372**	216	**341**	**332**	293	**323**	**5390**	**4990**	**3660**	**3620**	**4710**	--	--	--
Nickel	100	0.49 U	40 U	40 U	40 U	40 U	40 U	10 U	0.94 J	40 U	40 U	40 U	40 U	--	--	--
Sodium	20000	**21700**	18700	**24400**	19800	18600	17200	18300	**35400**	**31600**	**32900**	**33200**	**31000**	--	--	--
Mercury	0.7	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U	--	--	--
PESTICIDES (µg/L)																
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.0073 U	0.0037 U	0.0037 UJ	0.0068 U	0.051 U	--	--	0.0074 U	0.0041 U	0.0037 UJ	0.0072 U	0.051 U	--	--	--
Dieldrin	0.004	0.0093 U	0.0096 U	0.0095 UJ	**0.017 J**	0.051 U	--	--	0.0095 U	0.011 U	0.0095 UJ	0.017 U	0.051 U	--	--	--
PCBs (µg/L)																
PCB-1242 (Aroclor 1242)	0.09	0.17 U	0.089 J	0.038 U	0.038 U	0.051 U	0.052 U	0.054 U	0.17 U	0.038 U	0.038 U	0.038 U	0.051 U	0.052 U	0.052 U	--
PCB-1254 (Aroclor 1254)	0.09	0.24 U	0.034 U	0.033 U	0.033 U	0.051 U	0.052 U	0.054 U	0.24 U	0.034 U	0.033 U	0.033 U	0.051 U	0.052 U	0.052 U	--
PCBs	0.09	--	0.089 J	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																
Benzo(b)fluoranthene	0.002	0.32 U	0.25 U	1 U	0.44 U	0.52 U	--	--	0.32 U	0.25 U	1 U	0.45 U	0.52 U	--	--	--
VOCs (µg/L)																
1,1-Dichloroethene	5	1.2 U	0.61 U	0.28 U	0.28 UJ	1 U	--	--	0.29 U	0.29 U	0.28 UJ	0.28 UJ	1 U	1 U	1 U	--
Benzene	1	1.6 U	0.32 U	0.27 U	0.27 U	0.5 U	--	--	0.41 U	0.25 U	0.27 U	0.27 U	0.5 U	0.5 U	0.5 U	--
Chloroform	7	1.4 U	0.41 U	0.4 U	0.4 U	1 U	--	--	0.34 U	0.31 U	0.4 U	0.4 U	1 U	1 U	1 U	--
Cis-1,2-Dichloroethylene	5	3.2 U	0.84 U	0.31 U	0.31 U	1 U	--	--	0.81 U	0.44 U	0.31 U	0.31 U	1 U	1 U	1 U	--
Trans-1,2-Dichloroethene	5	3.6 U	0.51 U	0.48 U	0.48 U	1 U	--	--	0.9 U	0.47 U	0.48 U	0.48 U	1 U	1 U	1 U	--
TCE	5	1.8 U	0.47 U	0.25 U	0.25 U	1 U	--	--	0.46 U	0.4 U	0.25 U	0.25 U	1 U	1 U	1 U	--
Toluene	5	2 U	0.33 U	0.29 U	0.29 U	1 U	--	--	0.51 U	0.22 U	0.29 U	0.29 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	3.6 U	0.58 UJ	0.45 U	0.45 U	1 UJ	--	--	0.9 U	0.45 U	0.45 U	0.45 U	1 U	1 U	1 U	--
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**															
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.048 U
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	MW-6R									MW-8R								
		4/2/2014	10/17/2014	3/11/2015	7/14/2015	10/13/2015	11/3/2016	5/10/2017	11/13/2018	11/6/2020	4/2/2014	10/15/2014	3/10/2015	7/15/2015	10/13/2015	11/2/2016	5/10/2017	11/13/2018	11/5/2020
METALS (µg/L)																			
Antimony	3	2.5 U	6 U	6 U	6 U	6 U	6 U	6 U	--	--	2.5 U	6 U	6 U	6 U	6 U	--	--	--	--
Arsenic	25	3 U	4 U	4 U	4 U	4 U	4 U	3 U	--	--	**111**	**117**	**29.7**	**127**	**106**	--	--	--	--
Barium	1000	412	466	466	449	541	511	334	--	--	103 J	96	76.8	80.4	82.7	--	--	--	--
Cadmium	5	0.17 U	4 U	4 U	4 U	4 U	4 U	3 U	--	--	0.17 U	4 U	4 U	4 U	4 U	--	--	--	--
Chromium, Total	50	1 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	1 U	10 U	10 U	10 U	10 U	--	--	--	--
Copper	200	0.85 U	25 U	25 U	25 U	25 U	25 U	31.1	--	--	0.85 U	25 U	25 U	25 U	25 U	--	--	--	--
Iron	300	**9210**	**11900**	**10700**	**6250**	**10600**	**9590**	**7740**	--	--	**20600**	**24700**	**10400**	**20700**	**24000**	--	--	--	--
Lead	25	1.5 U	5 U	5 U	5 U	5 U	6.1	8.6	--	--	1.6 J	5 U	5 U	5 U	5 U	--	--	--	--
Manganese	300	**476**	**439**	**495**	**446**	**621**	**481**	**339**	--	--	**3750**	**3190**	**2990**	**3180**	**3390**	--	--	--	--
Nickel	100	0.49 U	40 U	40 U	40 U	40 U	40 U	18.5	--	--	14.6 J	40 U	40 U	40 U	40 U	--	--	--	--
Sodium	20000	13100	10200	13700	13000	15700	12900	10000 U	--	--	**47600**	**45100**	**41000**	**36700**	**33100**	--	--	--	--
Mercury	0.7	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	--	0.35	0.31	0.2 U	--	--	--	--
PESTICIDES (µg/L)																			
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.0084 J	0.0042 U	0.0037 UJ	0.0069 U	0.052 U	--	--	--	--	0.0078 U	0.0037 U	0.0038 U	0.0069 U	0.052 U	--	--	--	--
Dieldrin	0.004	0.0094 U	0.011 U	0.0095 UJ	**0.85**	0.052 U	--	--	--	--	0.0099 U	0.0096 U	0.0097 U	0.017 UR	0.052 U	--	--	--	--
PCBs (µg/L)																			
PCB-1242 (Aroclor 1242)	0.09	0.17 U	0.039 U	0.038 U	0.038 U	0.051 U	0.053 U	0.053 U	--	--	0.17 U	**0.15 J**	0.039 U	0.038 U	0.051 U	0.051 U	0.053 U	0.053 U	--
PCB-1254 (Aroclor 1254)	0.09	0.24 U	0.034 U	0.033 U	0.033 U	0.051 U	0.053 U	0.053 U	--	--	0.24 U	0.033 U	0.034 U	0.033 U	0.051 U	0.051 U	0.053 U	0.053 U	--
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																			
Benzo(b)fluoranthene	0.002	0.32 U	0.3 U	1 U	0.44 U	-- U	--	--	--	--	0.33 U	0.52 U	--	--	--	--	--	--	--
VOCs (µg/L)																			
1,1-Dichloroethene	5	0.29 U	0.29 U	0.28 U	0.28 UJ	1 U	--	--	--	--	0.58 U	0.61 U	0.28 U	0.28 UJ	1 U	1 U	1 U	1 U	1 U
Benzene	1	0.41 U	0.25 U	0.27 U	0.27 U	0.5 U	--	--	--	--	0.82 U	0.32 U	0.27 U	0.27 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7	0.34 U	0.31 U	0.4 U	0.4 U	1 U	--	--	--	--	0.68 U	0.41 U	0.4 U	0.4 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	0.81 U	0.44 U	0.31 U	0.31 U	1 U	--	--	--	--	1.6 U	0.84 U	0.31 U	0.31 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	0.9 U	0.47 U	0.48 U	0.48 U	1 U	--	--	--	--	1.8 U	0.51 U	0.48 U	0.48 U	1 U	1 U	1 U	1 U	1 U
TCE	5	0.46 U	0.4 U	0.25 U	0.25 U	1 U	--	--	--	--	0.92 U	0.47 U	0.25 U	0.25 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	0.51 U	0.22 U	0.29 U	0.29 U	1 U	--	--	--	--	1 U	0.33 U	0.29 U	0.29 U	1 U	1 U	1 U	--	1 U
Vinyl Chloride	2	0.9 U	0.45 U	0.45 U	0.45 U	1 UJ	--	--	--	--	1.8 U	0.58 U	0.45 U	0.45 U	1 UJ	1 U	1 U	1 U	1 U
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**																		
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.22 U	--	--	0.05 U
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	**9.35 J**	**18.7**	--	--	--	--	--	--	--	**24.1**	**28.2**
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	**10.2 J**	**13.2**	--	--	--	--	--	--	--	**279 J**	**220**

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	MW-B3R							
		4/3/2014	10/16/2014	3/10/2015	7/15/2015	10/13/2015	11/3/2016	5/10/2017	11/6/2020
METALS (µg/L)									
Antimony	3	**3.7 J**	6 U	6 U	6 U	6 U	--	--	--
Arsenic	25	6.3 J	5.6	4.8	13.5	18.2	--	--	--
Barium	1000	49.4 J	50 U	76.2	102	106	--	--	--
Cadmium	5	**14.9**	**32.4**	**58.8**	4 U	**13.6**	--	--	--
Chromium, Total	50	1 U	10 U	10 U	10 U	10 U	--	--	--
Copper	200	73.2	94.9	62.2	25 U	25 U	--	--	--
Iron	300	**309**	**807**	**2200**	**7290**	**7400**	--	--	--
Lead	25	1.5 U	5 U	5 U	5 U	5 U	--	--	--
Manganese	300	42.1	20.5	**557**	**1010**	**953**	--	--	--
Nickel	100	**102**	68.8	46.7	40 U	40 U	--	--	--
Sodium	20000	11500	5000 U	15500	**33900**	**59000**	--	--	--
Mercury	0.7	--	--	0.2 U	0.2 U	0.2 U	--	--	--
PESTICIDES (µg/L)									
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.01 J	0.0038 U	0.0038 U	0.0069 U	0.052 U	--	--	--
Dieldrin	0.004	0.0095 UJ	0.0098 U	0.0097 U	0.017 UR	0.052 U	--	--	--
PCBs (µg/L)									
PCB-1242 (Aroclor 1242)	0.09	0.17 U	0.058 J	0.039 U	0.038 U	0.051 U	0.053 U	0.055 U	--
PCB-1254 (Aroclor 1254)	0.09	0.24 U	0.033 UJ	0.034 U	0.033 U	0.051 U	0.053 U	0.055 U	--
PCBs	0.09	--	--	--	--	--	--	--	--
SVOCs (µg/L)									
Benzo(b)fluoranthene	0.002	0.32 U	0.26 U	1 U	0.44 U	0.52 U	--	--	--
VOCs (µg/L)									
1,1-Dichloroethene	5	0.29 U	0.61 U	0.28 U	0.28 UJ	1 U	--	--	--
Benzene	1	0.41 U	0.32 U	0.27 U	0.27 U	0.5 U	--	--	--
Chloroform	7	0.34 U	0.41 U	0.4 U	0.4 U	1 U	--	--	--
Cis-1,2-Dichloroethylene	5	0.81 U	0.84 U	0.31 U	0.31 U	1 U	--	--	--
Trans-1,2-Dichloroethene	5	0.9 U	0.51 U	0.48 U	0.48 U	1 U	--	--	--
TCE	5	0.46 U	0.47 U	0.25 U	0.25 U	1 U	--	--	--
Toluene	5	0.51 U	0.33 U	0.29 U	0.29 U	1 U	--	--	--
Vinyl Chloride	2	0.9 U	0.58 U	0.45 U	0.45 U	1 UJ	--	--	--
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**								
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	--	--	--
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	**11.6**
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	**157**

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	UW-1									UW-1B	UW-2						
		4/1/2014	10/17/2014	3/10/2015	7/15/2015	10/13/2015	11/3/2016	5/9/2017	11/13/2018	11/4/2020	11/5/2020	4/1/2014	3/11/2015	7/16/2015	10/14/2015	11/4/2016	5/10/2017	11/10/2020
METALS (µg/L)																		
Antimony	3	2.5 U	6 U	6 U	6 U	6 U	--	--	--	--	--	2.5 U	6 U	6 U	6 U	--	--	--
Arsenic	25	3 U	8	**32.5**	22.1	**33.5**	--	--	--	--	--	**32.3**	21.6	**27.5**	**41.5**	--	--	--
Barium	1000	85.5 J	84.4	322	172	183	--	--	--	--	--	192 J	252	306	361	--	--	--
Cadmium	5	0.17 U	4 U	4 U	4 U	4 U	--	--	--	--	--	0.17 U	4 U	4 U	4 U	--	--	--
Chromium, Total	50	3.2 J	10 U	10 U	10 U	10 U	--	--	--	--	--	1 U	10 U	10 U	10 U	--	--	--
Copper	200	0.85 U	25 U	25 U	25 U	25 U	--	--	--	--	--	0.85 U	25 U	25 U	25 U	--	--	--
Iron	300	145	**6260**	**39600**	**31300**	**36600**	--	--	--	--	--	**55300**	**54600**	**44900**	**56100**	--	--	--
Lead	25	2.2 J	5 U	5 U	5 U	5 U	--	--	--	--	--	1.5 J	5 U	5 U	5 U	--	--	--
Manganese	300	96.9	**593**	**3900**	**3680**	**4240**	--	--	--	--	--	**2730**	**2760**	**2020**	**2040**	--	--	--
Nickel	100	0.79 J	40 U	40 U	40 U	40 U	--	--	--	--	--	1.7 J	40 U	40 U	40 U	--	--	--
Sodium	20000	8290	9670	**38200**	**30200**	**37300**	--	--	--	--	--	**56200**	**47300**	**41900**	**35400**	--	--	--
Mercury	0.7	--	--	0.2 U	0.2 U	0.2 U	--	--	--	--	--	--	0.2 U	0.2 U	0.2 U	--	--	--
PESTICIDES (µg/L)																		
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.0092 J	0.0041 U	0.0037 UJ	0.007 U	0.052 U	--	--	--	--	--	0.073 U	0.0037 UJ	0.01 J	0.051 U	--	--	--
Dieldrin	0.004	0.0095 U	0.011 U	0.0096 UJ	**0.029 J**	0.052 U	--	--	--	--	--	0.093 U	0.0095 UJ	0.017 UR	0.051 U	--	--	--
PCBs (µg/L)																		
PCB-1242 (Aroclor 1242)	0.09	0.17 UJ	0.042 U	0.038 U	0.038 U	0.051 U	0.056 U	0.05 U	--	0.05 U	--	1.7 UJ	0.038 U	0.038 U	0.051 U	0.053 U	0.054 U	--
PCB-1254 (Aroclor 1254)	0.09	0.24 UJ	0.037 U	0.033 U	0.034 U	0.051 U	0.056 U	0.05 U	--	0.05 U	--	2.4 UJ	0.033 U	**1.4**	**0.27**	**0.59 J**	0.054 U	--
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																		
Benzo(b)fluoranthene	0.002	**0.41**	0.27 U	1 U	0.44 U	0.52 U	--	--	--	--	--	-- R	1 U	0.44 U	0.52 U	--	--	--
VOCs (µg/L)																		
1,1-Dichloroethene	5	0.29 U	0.29 U	0.28 U	0.28 UJ	1 U	1 U	1 U	--	1 U	0.29 U	1.2 U	0.28 U	0.28 U	1 UR	1 U	1 U	1 U
Benzene	1	0.41 U	0.25 U	0.27 U	0.27 U	0.5 U	0.5 U	0.5 U	--	0.46 J	0.41 U	**10**	**6.1**	**3.9**	**2.8 J**	**4.5**	0.65	**4.3**
Chloroform	7	0.34 U	0.31 U	0.4 U	0.4 U	1 U	1 U	1 U	--	1 U	0.34 U	1.4 U	0.4 U	0.4 U	1 UR	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	0.81 U	0.44 U	0.31 U	0.31 U	1 U	1 U	1 U	--	1 U	0.81 U	**120**	**77.7**	**49.4**	**29.1 J**	**54.8**	3	**44.6**
Trans-1,2-Dichloroethene	5	0.9 U	0.47 U	0.48 U	0.48 U	1 U	1 U	1 U	--	1 U	0.9 U	3.6 U	**5.3**	4.8	0.74 J	1.5	1 U	1.6
TCE	5	0.46 U	0.4 U	0.25 U	0.25 U	1 U	1 U	1 U	--	1 U	0.46 U	1.8 U	0.25 U	0.29 J	1 UR	1 U	1 U	1 U
Toluene	5	0.51 U	0.22 U	0.29 U	0.29 U	1 U	1 U	1 U	--	1 U	1 U	**10**	**6.2**	3.7	2 J	2.4	0.31 J	1.4
Vinyl Chloride	2	0.9 U	0.45 U	0.45 U	0.45 U	1 UJ	1 U	1 U	--	1 U	0.9 U	**32**	**20.3**	**23**	**7.8 J**	**16.3**	0.7 J	**8.8**
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**																	
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	0.2 U	--	--	0.048 U	--	--	--	--	--	**0.87**	--	**0.488**
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	**15.2**	**16.1**	--	--	--	--	--	--	--	--
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	**5.71 J**	1.9 U	--	--	--	--	--	--	--	--

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	UW-2B			UW-3									UW-3B			
		11/4/2016	5/10/2017	11/10/2020	4/1/2014	10/16/2014	3/10/2015	7/15/2015	10/13/2015	11/3/2016	5/9/2017	11/13/2018	11/10/2020	12/9/2015	11/3/2016	5/9/2017	11/4/2020
METALS (µg/L)																	
Antimony	3	--	--	--	2.5 U	6 U	6 U	6 U	6 U	6 U	6 U	--	--	2 U	--	--	--
Arsenic	25	--	--	--	5.8 J	4 U	4 U	4 U	4.4	4.3	3	--	--	2.6 J	--	--	--
Barium	1000	--	--	--	762	**1260**	**1040**	**1020**	**1360**	**1390**	1000	--	--	246	--	--	--
Cadmium	5	--	--	--	0.17 U	4 U	4 U	4 U	4 U	4 U	3 U	--	--	0.43 U	--	--	--
Chromium, Total	50	--	--	--	1 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	10 U	--	--	--
Copper	200	--	--	--	0.85 U	25 U	25 U	25 U	25 U	25 U	10 U	--	--	2.4 U	--	--	--
Iron	300	--	--	--	**10900**	**18700**	**16900**	**15200**	**18900**	**18800**	**17200**	--	--	**15700**	--	--	--
Lead	25	--	--	--	1.9 J	**26.2**	5 U	5 U	5 U	5 U	5.7	--	--	1.7 U	--	--	--
Manganese	300	--	--	--	**397**	**395**	**363**	**368**	**392**	**384**	**380**	--	--	**1510**	--	--	--
Nickel	100	--	--	--	2.1 J	40 U	40 U	40 U	40 U	40 U	10 U	--	--	3.8 J	--	--	--
Sodium	20000	--	--	--	11100	12000	12900	12000	11500	12600	10700	--	--	**53000**	--	--	--
Mercury	0.7	--	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	0.096 U	--	--	--
PESTICIDES (µg/L)																	
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	--	--	--	**0.011 J**	0.004 U	0.0037 U	0.0069 U	0.052 U	--	--	--	--	0.0056 U	--	--	--
Dieldrin	0.004	--	--	--	0.0094 U	0.01 U	0.0096 U	0.017 UR	0.052 U	--	--	--	--	0.0048 U	--	--	--
PCBs (µg/L)																	
PCB-1242 (Aroclor 1242)	0.09	0.057 U	0.053 U	--	0.17 UJ	**0.099 J**	0.038 U	0.038 U	0.051 U	0.051 U	0.05 U	--	--	0.038 U	--	--	--
PCB-1254 (Aroclor 1254)	0.09	**0.17**	**0.33**	--	0.24 UJ	0.033 U	0.033 U	0.033 U	0.051 U	0.051 U	0.05 U	--	--	0.034 U	--	--	--
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																	
Benzo(b)fluoranthene	0.002	--	--	--	0.33 U	0.27 U	1 U	0.44 U	0.52 U	--	--	--	--	0.52 U	--	--	--
VOCs (µg/L)																	
1,1-Dichloroethene	5	1 U	1 U	1 U	0.29 U	0.61 U	0.28 U	0.28 UJ	1 U	1 U	1 U	--	1 U	0.28 U	5 U	1 U	1 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.68 J	0.32 U	0.27 U	0.27 U	0.5 U	0.5 U	0.19 J	--	0.5 U	0.27 U	0.5 U	0.5 U	0.5 U
Chloroform	7	1 U	1 U	1 U	0.34 U	0.41 U	0.4 U	0.4 U	1 U	1 U	1 U	--	1 U	7	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1 U	1 U	0.81 U	0.84 U	0.31 U	0.31 U	1 U	1 U	1 U	--	1 U	0.54 U	5 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	0.9 U	0.51 U	0.48 U	0.48 U	1 U	1 U	1 U	--	1 U	0.55 U	1 U	1 U	1 U
TCE	5	1 U	1 U	1 U	0.46 U	0.47 U	0.25 U	0.25 U	1 U	1 U	1 U	--	1 U	0.25 U	5 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	0.51 U	0.33 U	0.29 U	0.29 U	1 U	1 U	1 U	--	1 U	0.66 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	0.36 J	1 U	0.9 U	0.58 U	0.45 U	0.45 U	1 UJ	1 U	1 U	--	1 U	0.93 J	2 U	1 U	1 U
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**																
I,4-Dioxane (µg/L)	0.35	**1.6**	--	**1.75**	--	--	--	--	--	0.22 U	--	--	0.0896 J	--	**0.5**	--	**0.771**
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	--	--	--	**56.2**	**47.1**	--	--	--	--
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	--	--	--	**144 J**	**152**	--	--	--	--

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	UW-4								UW-4B				UW-5		
		4/1/2014	10/16/2014	3/11/2015	7/14/2015	10/14/2015	11/2/2016	5/9/2017	11/6/2020	12/9/2015	11/2/2016	5/9/2017	11/5/2020	4/1/2014	10/16/2014	3/11/2015
METALS (µg/L)																
Antimony	3	2.5 U	6 U	6 U	6 U	6 U	6 U	6 U	--	2 U	--	--	--	**3.7 J**	6 U	6 U
Arsenic	25	**55.4**	**72.7**	**70.4**	**91.6**	**96.9**	**97.7**	11.3	--	3.7 J	--	--	--	8 J	4 U	5
Barium	1000	879	**1010**	953	881	**1080**	**1130**	233	--	229	--	--	--	214	50 U	366
Cadmium	5	0.17 U	4 U	4 U	4 U	4 U	4 U	3 U	--	0.43 U	--	--	--	0.17 U	4 U	4 U
Chromium, Total	50	1 U	10 U	10 U	10 U	10 U	10 U	10 U	--	0.48 U	--	--	--	1 U	10 U	10 U
Copper	200	0.85 U	25 U	25 U	25 U	25 U	25 U	10 U	--	2.4 U	--	--	--	0.85 U	25 U	25 U
Iron	300	**27800**	**38700**	**35100**	**29300**	**38800**	**36300**	**4020**	--	**26200**	--	--	--	**16400**	**1210**	**27100**
Lead	25	3 J	7.1	5 U	5 U	5 U	5 U	3 U	--	2.1 J	--	--	--	6.7 J	5 U	5 U
Manganese	300	**423**	**375**	**322**	**336**	**398**	293	147	--	**2090**	--	--	--	**2880**	146	**712**
Nickel	100	0.49 U	40 U	40 U	40 U	40 U	40 U	10.4	--	4.7 J	--	--	--	**381**	40 U	40 U
Sodium	20000	16900	15700	15800	15600	16300	15500	17600	--	**66600**	--	--	--	**41700**	13100	**30900**
Mercury	0.7	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.096 U	--	--	--	--	--	0.2 U
PESTICIDES (µg/L)																
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.0097 J	0.0039 U	0.0038 UJ	0.0069 U	0.051 U	--	--	--	0.0057 U	--	--	--	0.0074 U	0.004 U	0.0037 UJ
Dieldrin	0.004	0.0095 U	0.01 U	0.0099 UJ	**0.061**	0.051 U	--	--	--	0.0049 U	--	--	--	0.0094 U	0.01 U	0.0095 UJ
PCBs (µg/L)																
PCB-1242 (Aroclor 1242)	0.09	0.17 UJ	0.055 J	0.038 U	0.038 U	0.051 U	0.057 U	0.05 U	--	0.039 U	--	--	--	0.17 UJ	0.074 J	0.038 U
PCB-1254 (Aroclor 1254)	0.09	0.24 UJ	0.034 U	0.033 U	0.033 U	0.051 U	0.057 U	0.05 U	--	0.034 U	--	--	--	0.24 UJ	0.033 U	0.033 U
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																
Benzo(b)fluoranthene	0.002	0.33 U	0.25 U	1 U	0.44 U	0.52 U	--	--	--	0.53 U	--	--	--	0.32 U	0.26 U	1 U
VOCs (µg/L)																
1,1-Dichloroethene	5	0.29 U	0.61 U	0.28 U	0.28 UJ	5 U	1 U	1 U	1 U	0.28 U	5 U	1 U	1 U	0.58 U	0.61 U	0.28 U
Benzene	1	0.42 J	0.45 J	0.55	0.33 J	2.5 U	0.5 U	0.47 J	0.5 U	0.27 U	0.5 U	0.5 U	0.5 U	0.82 U	0.32 U	0.27 U
Chloroform	7	0.34 U	0.41 U	0.4 U	0.4 U	5 U	1 U	1 U	1 U	**7.2**	1 U	1 U	1 U	0.68 U	0.41 U	0.4 U
Cis-1,2-Dichloroethylene	5	0.81 U	0.84 U	0.31 U	0.31 U	5 U	0.34 J	1 U	1 U	0.71 J	5 U	1 U	0.7 J	**17**	0.84 U	0.31 U
Trans-1,2-Dichloroethene	5	0.9 U	0.51 U	0.48 U	0.48 U	5 U	1 U	1 U	1 U	0.55 U	1 U	1 U	1 U	1.8 U	0.51 U	0.48 U
TCE	5	0.46 U	0.47 U	0.25 U	0.25 U	5 U	1 U	1 U	1 U	0.25 U	5 U	1 U	1 U	**8.5**	0.47 U	0.25 U
Toluene	5	0.51 U	0.33 U	0.29 U	0.29 U	5 U	1 U	1 U	1 U	0.66 U	1 U	1 U	1 U	1 U	0.33 U	0.29 U
Vinyl Chloride	2	0.9 U	0.58 UJ	0.45 U	0.45 U	5 U	1 U	1 U	1 U	1.2 J	0.95 J	0.71 J	1.2	1.8 U	0.58 UJ	0.45 U
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**															
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	--	--	--	--	--	--	**0.381**	--	--	--
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	**49.5**	--	--	--	--	--	--	--
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	**17**	--	--	--	--	--	--	--

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	UW-5						UW-5B					UW-6						
		7/14/2015	10/14/2015	11/2/2016	5/9/2017	11/20/2019	11/9/2020	12/9/2015	11/2/2016	5/9/2017	11/20/2019	11/4/2020	4/3/2014	10/17/2014	3/10/2015	7/15/2015	10/13/2015	11/3/2016	5/10/2017
METALS (µg/L)																			
Antimony	3	6 U	6 U	6 U	6 U	--	--	2 U	6 U	6 U	--	--	2.5 U	6 U	6 U	6 U	6 U	6 U	6 U
Arsenic	25	7.2	7.6	7.1	4.3	10.5	--	3.2 J	4 U	3 U	3 U	--	**776**	**1530**	**1830**	**2330**	**2380**	**683**	**458**
Barium	1000	363	457	471	200 U	321	--	281	286	257	200 U	--	472	466	492	529	596	591	246
Cadmium	5	4 U	4 U	4 U	3 U	--	--	0.43 U	4 U	3 U	--	--	0.17 U	4 U	**7.7**	**19.9**	**17.8**	4 U	3 U
Chromium, Total	50	10 U	10 U	10 U	10 U	--	--	10 U	10 U	10 U	--	--	1 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	10	--	--	25 U	25 U	10 U	--	--	0.85 U	25 U	25 U	25 U	25 U	25 U	10 U
Iron	300	**21600**	**23800**	**27300**	**13200**	**27300**	--	**12500**	**29700**	**27900**	100 U	--	**22800**	**28100**	**28800**	**25600**	**25900**	**25000**	**21500**
Lead	25	5 U	5 U	5 U	6.1	--	--	4.8 J	5 U	3 U	--	--	4.4 J	5 U	5 U	5 U	5 U	5.7	3 U
Manganese	300	**616**	**706**	**916**	**592**	**577**	--	**1130**	**1470**	**1610**	15 U	--	**1080**	**545**	**512**	**561**	**551**	**570**	**1030**
Nickel	100	40 U	40 U	40 U	**134**	12.5	--	8.5 J	40 U	10 U	10 U	--	0.49 U	40 U	40 U	40 U	40 U	40 U	10.3
Sodium	20000	**32300**	**36000**	**33900**	**31700**	**28200**	--	**70200**	**71700**	**80200**	**75200**	--	**21400**	17200	16300	18100	**20200**	19900	15900
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	--	--	0.096 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
PESTICIDES (µg/L)																			
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.007 U	0.051 U	--	--	--	--	0.0057 U	--	--	--	--	**0.011 J**	0.004 U	0.0037 U	0.0069 U	0.052 U	--	--
Dieldrin	0.004	0.017 U	0.051 U	--	--	--	--	0.0049 U	--	--	--	--	0.0096 U	0.01 U	0.0096 U	0.017 UR	0.052 U	--	--
PCBs (µg/L)																			
PCB-1242 (Aroclor 1242)	0.09	0.038 U	0.051 U	0.057 U	0.052 U	--	--	0.039 U	--	--	--	--	0.17 U	0.043 U	0.038 U	0.038 U	0.051 U	0.053 U	0.054 U
PCB-1254 (Aroclor 1254)	0.09	0.033 U	0.037 J	0.061 UJ	0.052 U	--	--	0.072	--	--	--	--	0.24 U	0.038 U	0.033 U	0.033 U	0.051 U	0.053 U	0.054 U
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																			
Benzo(b)fluoranthene	0.002	0.44 U	0.52 U	--	--	0.2 UJ	--	0.54 U	--	--	0.2 U	--	0.32 U	0.25 U	1 U	0.44 U	0.52 U	--	--
VOCs (µg/L)																			
1,1-Dichloroethene	5	0.28 UJ	1 U	1 U	1 U	1 U	1 U	0.28 U	1 U	1 U	1 U	1 U	0.29 U	0.29 U	0.28 U	0.28 UJ	1 U	1 U	1 U
Benzene	1	0.27 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.27 U	0.5 U	0.5 U	0.5 U	0.5 U	0.41 U	0.25 U	0.27 U	0.27 U	0.5 U	0.5 U	0.5 U
Chloroform	7	0.4 U	1 U	1 U	1 U	1 U	1 U	**7.2**	1 U	1 U	1 U	1 U	0.34 U	0.31 U	0.4 U	0.4 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	0.4 J	0.61 J	0.68 J	0.4 J	1.1	0.54 J	1.1 J	1 U	1 U	1 U	1 U	0.81 U	0.44 U	0.31 U	0.33 J	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	0.48 U	1 U	1 U	1 U	1 U	1 U	0.55 U	1 U	1 U	1 U	1 U	0.9 U	0.47 U	0.48 U	0.48 U	1 U	1 U	1 U
TCE	5	0.25 U	1 U	1 U	1 U	1 U	1 U	0.25 U	1 U	1 U	1 U	1 U	0.46 U	0.4 U	0.25 U	0.25 U	1 U	1 U	1 U
Toluene	5	0.29 U	1 U	1 U	1 U	1 U	1 U	0.66 U	1 U	1 U	1 U	1 U	0.51 U	0.22 U	0.29 U	0.29 U	1 U	1 U	1 U
Vinyl Chloride	2	0.59 J	0.7 J	1 U	0.4 J	1 U	1 U	1.1 J	0.85 J	0.82 J	1 U	1 U	0.9 U	0.45 U	0.45 U	0.45 U	1 UJ	1 U	1 U
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**																		
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	0.244	--	--	--	--	**0.456**	--	--	--	--	--	--	0.048 U
PFOA (ng/L)	6.7	--	--	--	--	--	**43.6**	--	--	--	--	--	--	--	--	--	--	--	--
PFOS (ng/L)	2.7	--	--	--	--	--	**95.2**	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	UW-6B				UW-7						MW-14B			
		12/9/2015	11/3/2016	5/10/2017	11/4/2020	4/3/2014	10/16/2014	3/11/2015	7/14/2015	10/13/2015	5/10/2017	12/8/2015	11/2/2016	5/10/2017	11/3/2020
METALS (µg/L)															
Antimony	3	2 U	6 U	6 U	--	2.8 J	6 U	6 U	6 U	6 U	--	2 U	--	--	--
Arsenic	25	**3460**	**6500**	**2100**	--	3 J	4 U	4 U	4 U	4 U	--	2.4 J	--	--	--
Barium	1000	403	408	420	--	102 J	90.7	86.1	90.6	114	--	246	--	--	--
Cadmium	5	4	4 U	3 U	--	0.17 U	4 U	4 U	4 U	4 U	--	0.43 U	--	--	--
Chromium, Total	50	10 U	10 U	10 U	--	1 U	10 U	10 U	10 U	10 U	--	10 U	--	--	--
Copper	200	2.4 U	25 U	10 U	--	0.85 U	25 U	25 U	25 U	25 U	--	2.4 U	--	--	--
Iron	300	**15300**	**19600**	**20800**	--	**1300**	**723**	100 U	100 U	**481**	--	**11900**	--	--	--
Lead	25	1.7 U	5 U	3 U	--	1.5 U	5 U	5 U	5 U	5 U	--	1.7 U	--	--	--
Manganese	300	**536**	**419**	**681**	--	**406**	37.9	120	116	**536**	--	**1540**	--	--	--
Nickel	100	2.5 J	40 U	10 U	--	2 J	40 U	40 U	40 U	40 U	--	3.2 B	--	--	--
Sodium	20000	**63700**	**25900**	**34000**	--	13200	13900	11500	16900	17600	--	**63800**	--	--	--
Mercury	0.7	0.096 U	0.2 U	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	--	0.096 U	--	--	--
PESTICIDES (µg/L)															
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.0057 U	--	--	--	0.0074 U	0.0042 U	0.0037 UJ	0.0069 U	0.053 U	--	0.0056 U	--	--	--
Dieldrin	0.004	0.0049 U	--	--	--	0.0094 U	0.011 U	0.0095 UJ	0.016 U	0.053 U	--	0.0048 U	--	--	--
PCBs (µg/L)															
PCB-1242 (Aroclor 1242)	0.09	0.039 U	--	--	--	0.17 U	0.038 U	0.038 U	0.037 U	0.051 U	0.054 U	0.038 U	--	--	--
PCB-1254 (Aroclor 1254)	0.09	0.034 U	--	--	--	0.24 U	0.033 U	0.033 U	0.033 U	0.051 U	0.054 U	0.034 U	--	--	--
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)															
Benzo(b)fluoranthene	0.002	0.52 U	--	--	--	0.31 U	0.28 U	1 U	0.43 U	0.52 U	--	**0.52** U	--	--	--
VOCs (µg/L)															
1,1-Dichloroethene	5	0.28 U	1 U	1 U	1 U	0.29 U	0.61 U	0.28 U	0.28 UJ	1 U	--	**20.5**	250 U	**16 J**	**10.8**
Benzene	1	0.27 U	0.5 U	0.5 U	0.5 U	0.41 U	0.32 U	0.27 U	0.27 U	0.5 U	--	0.27 U	25 U	25 U	5 U
Chloroform	7	0.91 J	1 U	1 U	1 U	0.34 U	0.41 U	0.4 U	0.4 U	1 U	--	**7.4**	50 U	50 U	10 U
Cis-1,2-Dichloroethylene	5	0.54 U	0.42 J	1 U	0.86 J	0.81 U	0.84 U	0.31 U	0.31 U	1 U	--	**11200**	**7740**	**8000**	**4440**
Trans-1,2-Dichloroethene	5	0.55 U	1 U	1 U	1 U	0.9 U	0.51 U	0.48 U	0.48 U	1 U	--	**273**	50 U	**25.9 J**	**10.5**
TCE	5	0.25 U	1 U	1 U	1 U	0.46 U	0.47 U	0.25 U	0.25 U	1 U	--	0.5 J	250 U	50 U	10 U
Toluene	5	0.66 U	1 U	1 U	1 U	0.51 U	0.33 U	0.29 U	0.29 U	1 U	--	0.66 U	50 U	50 U	10 U
Vinyl Chloride	2	0.45 U	1 U	1 U	1 U	0.9 U	0.58 UJ	0.45 U	0.45 U	1 UJ	--	**500**	**338**	**511**	**529**
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**														
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	MW-15B				PZ-1			PZ-2					PZ-3		
		12/8/2015	11/3/2016	5/10/2017	11/3/2020	2/12/2016	11/1/2016	5/10/2017	2/12/2016	11/1/2016	5/10/2017	11/20/2019	11/10/2020	2/12/2016	11/1/2016	5/10/2017
METALS (µg/L)																
Antimony	3	2 U	--	--	--	6 U	--	--	6 U	--	--	--	--	--	--	--
Arsenic	25	4.7	--	--	--	13.2	--	--	4 U	--	--	--	--	--	--	--
Barium	1000	418	--	--	--	280	--	--	80.7	--	--	--	--	--	--	--
Cadmium	5	0.43 U	--	--	--	4 U	--	--	4 U	--	--	--	--	--	--	--
Chromium, Total	50	1 J	--	--	--	**59.2**	--	--	10 U	--	--	--	--	--	--	--
Copper	200	2.4 U	--	--	--	**343**	--	--	25 U	--	--	--	--	--	--	--
Iron	300	**7190**	--	--	--	**37800**	--	--	**14300**	--	--	--	--	--	--	--
Lead	25	3.1 J	--	--	--	**185**	--	--	5 U	--	--	--	--	--	--	--
Manganese	300	**633**	--	--	--	**6380**	--	--	**12600**	--	--	--	--	--	--	--
Nickel	100	4.6 J	--	--	--	**221**	--	--	40 U	--	--	--	--	--	--	--
Sodium	20000	**80400**	--	--	--	**90100**	--	--	**123000**	--	--	--	--	--	--	--
Mercury	0.7	0.096 U	--	--	--	0.49	--	--	0.2 U	--	--	--	--	--	--	--
PESTICIDES (µg/L)																
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.0057 U	--	--	--	--	--	--	0.011 U	--	--	--	--	0.022 U	--	--
Dieldrin	0.004	0.0049 U	--	--	--	--	--	--	0.0097 U	--	--	--	--	0.019 U	--	--
PCBs (µg/L)																
PCB-1242 (Aroclor 1242)	0.09	0.038 U	--	--	--	0.063 U	--	0.05 U	0.033 U	0.057 U	0.05 U	--	--	0.063 U	0.08 U	0.049 U
PCB-1254 (Aroclor 1254)	0.09	0.034 U	--	--	--	**0.19** J	--	0.05 U	**0.23 J**	0.018 J	0.05 U	--	--	**0.54**	0.03 J	0.049 U
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																
Benzo(b)fluoranthene	0.002	0.55 U	--	--	--	--	--	--	1 U	--	--	--	--	2 U	--	--
VOCs (µg/L)																
1,1-Dichloroethene	5	1.5 J	5 U	1 U	3.1	0.28 U	1 U	1 U	**13.5**	20 U	**38.9 J**	**9.2**	4.3	0.28 U	1 U	1 U
Benzene	1	0.27 U	0.5 U	0.5 U	1 U	0.27 U	0.5 U	0.5 U	0.27 U	10 U	25 U	2.5 U	2.5 U	0.27 U	0.5 U	0.5 U
Chloroform	7	6.9	1 U	1 U	1 U	0.4 U	1 U	1 U	0.4 U	20 U	50 U	5 U	5 U	0.4 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	**395**	**10.2**	3.4	**1020**	**6**	**10.3**	**7.5**	**3270**	**2390**	**8220**	**2710**	**1360**	1.9	1.9	0.37 J
Trans-1,2-Dichloroethene	5	0.55 U	1 U	1 U	3.3	0.55 U	1 U	1 U	**14.5**	**15 J**	**31.9 J**	**13.8**	**8.6**	0.55 U	1 U	1 U
TCE	5	0.25 U	5 U	1 U	2 U	1.5	1.4	0.95 J	**316**	20 U	**3980**	**28.1**	**12.6**	0.25 U	1 U	1 U
Toluene	5	0.66 U	1 U	1 U	2 U	0.66 U	1 U	1 U	0.66 U	20 U	50 U	5 U	2 U	0.66 U	1 U	1 U
Vinyl Chloride	2	**40.1**	**25.1**	**9.3**	**289**	**5.3**	**6.6**	1.8	**118**	**234**	**113**	**246**	**76.5**	0.77 J	**1**	1 U
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**															
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	PZ-4				PZ-5			PZ-6				PZ-7			PZ-8			
		2/12/2016	11/1/2016	5/10/2017	11/19/2019	2/12/2016	11/1/2016	5/10/2017	2/12/2016	11/1/2016	5/10/2017	11/20/2019	2/12/2016	11/1/2016	5/10/2017	2/12/2016	11/1/2016	5/10/2017	11/20/2019
METALS (µg/L)																			
Antimony	3	6 U	--	--	--	6 U	--	--	6 U	--	--	--	6 U	--	--	--	--	--	--
Arsenic	25	4	--	--	--	5	--	--	16.5	--	--	--	4 U	--	--	--	--	--	21
Barium	1000	227	--	--	--	402	--	--	304	--	--	--	108	--	--	--	--	--	200 U
Cadmium	5	4 U	--	--	--	4 U	--	--	4 U	--	--	--	4 U	--	--	--	--	--	--
Chromium, Total	50	10 U	--	--	--	10 U	--	--	16.8	--	--	--	10 U	--	--	--	--	--	--
Copper	200	25 U	--	--	--	57.8	--	--	38.4	--	--	--	25 U	--	--	--	--	--	--
Iron	300	**10200**	--	--	--	**32300**	--	--	**58800**	--	--	--	**1510**	--	--	--	--	--	**24000**
Lead	25	5 U	--	--	--	**60.6**	--	--	**119**	--	--	--	5 U	--	--	--	--	--	--
Manganese	300	**5980**	--	--	--	**5760**	--	--	**4600**	--	--	--	**2570**	--	--	--	--	--	**7590**
Nickel	100	40 U	--	--	--	40 U	--	--	40 U	--	--	--	40 U	--	--	--	--	--	13.4
Sodium	20000	**114000**	--	--	--	**24800**	--	--	**25000**	--	--	--	17200	--	--	--	--	--	**115000**
Mercury	0.7	0.2 U	--	--	--	0.2 U	--	--	**0.83**	--	--	--	0.2 U	--	--	--	--	--	--
PESTICIDES (µg/L)																			
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.011 U	--	--	--	0.0073 U	--	--	0.0072 U	--	--	--	0.022 U	--	--	0.0073 U	--	--	--
Dieldrin	0.004	0.0097 U	--	--	--	0.0062 U	--	--	0.0061 U	--	--	--	0.019 U	--	--	0.0062 U	--	--	--
PCBs (µg/L)																			
PCB-1242 (Aroclor 1242)	0.09	0.033 U	0.053 U	0.049 U	--	0.021 U	0.051 U	0.05 U	0.021 U	0.052 U	0.051 U	0.051 U	0.063 U	0.083 U	0.05 U	0.021 U	0.052 U	0.05 U	--
PCB-1254 (Aroclor 1254)	0.09	**0.73**	0.053 U	0.049 U	--	0.016 U	0.015 J	0.05 U	0.016 U	**0.23**	0.051 U	0.051 U	0.048 U	0.083 U	0.05 U	0.016 U	0.052 U	0.05 U	--
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																			
Benzo(b)fluoranthene	0.002	1 U	--	--	--	0.68 U	--	--	0.68 U	--	--	--	2 U	--	--	0.68 U	--	--	--
VOCs (µg/L)																			
1,1-Dichloroethene	5	0.28 U	1 U	1 U	1 U	0.28 U	1 U	1 U	0.28 U	1 U	1 U	1 U	0.28 U	1 U	1 U	0.28 U	1 U	1 U	1 U
Benzene	1	0.27 U	0.5 U	0.5 U	0.5 U	0.27 U	0.5 U	0.5 U	0.27 U	0.5 U	0.5 U	0.5 U	0.27 U	0.5 U	0.5 U	0.27 U	0.5 U	0.5 U	0.5 U
Chloroform	7	0.4 U	1 U	1 U	1 U	0.4 U	1 U	1 U	0.4 U	1 U	1 U	1 U	0.4 U	1 U	1 U	0.4 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	0.54 U	1 U	0.66 J	0.67 J	0.54 U	1 U	1 U	0.54 U	1 U	1 U	1 U	0.54 U	1 U	1 U	0.54 U	0.45 J	0.38 J	1 U
Trans-1,2-Dichloroethene	5	0.55 U	1 U	1 U	1 U	0.55 U	1 U	1 U	0.55 U	1 U	1 U	1 U	0.55 U	1 U	1 U	0.55 U	1 U	1 U	1 U
TCE	5	0.25 U	1 U	1 U	1 U	0.25 U	1 U	1 U	0.25 U	1 U	1 U	1 U	0.43 J	1 U	1 U	0.25 U	1 U	1 U	1 U
Toluene	5	0.66 U	1 U	1 U	1 U	0.66 U	1 U	1 U	0.66 U	1 U	0.3 J	1 U	0.66 U	1 U	1 U	0.66 U	1 U	1 U	1 U
Vinyl Chloride	2	0.45 U	1 U	1 U	1 U	0.54 J	1 U	1 U	0.45 U	1 U	1 U	1 U	0.45 U	1 U	1 U	0.45 U	1 U	1 U	1 U
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**																		
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	PZ-9			PZ-10				MW-4				MW-6					
		2/12/2016	11/1/2016	5/10/2017	2/12/2016	11/1/2016	5/10/2017	11/20/2019	12/8/2015	11/2/2016	5/10/2017	11/4/2020	12/8/2015	11/2/2016	5/10/2017	11/13/2018	11/19/2019	11/6/2020
METALS (µg/L)																		
Antimony	3	6 U	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	6 U	--
Arsenic	25	4 U	--	--	--	--	--	--	1.7 U	--	--	--	21.2	--	--	--	--	--
Barium	1000	185	--	--	--	--	--	--	54.6	--	--	--	70.9	--	--	--	200 U	--
Cadmium	5	4 U	--	--	--	--	--	--	0.43 U	--	--	--	0.43 U	--	--	--	3 U	--
Chromium, Total	50	10 U	--	--	--	--	--	--	0.48 U	--	--	--	10 U	--	--	--	--	--
Copper	200	25 U	--	--	--	--	--	--	25 U	--	--	--	2.4 U	--	--	--	10 U	--
Iron	300	**21900**	--	--	--	--	--	--	82.1 J	--	--	--	**22700**	--	--	--	--	--
Lead	25	5 U	--	--	--	--	--	--	1.7 U	--	--	--	1.7 U	--	--	--	3 U	--
Manganese	300	**8030**	--	--	--	--	--	--	**2030**	--	--	--	**4630**	--	--	--	--	--
Nickel	100	40 U	--	--	--	--	--	--	3.5 J	--	--	--	7.3 J	--	--	--	0.2 U	--
Sodium	20000	**48600**	--	--	--	--	--	--	19100	--	--	--	**117000**	--	--	--	10 U	--
Mercury	0.7	0.2 U	--	--	--	--	--	--	0.096 U	--	--	--	0.096 U	--	--	--	--	--
PESTICIDES (µg/L)																		
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.011 U	--	--	0.022 U	--	--	--	0.0057 U	--	--	--	0.0056 U	--	--	--	--	--
Dieldrin	0.004	0.0093 U	--	--	0.019 U	--	--	--	0.0049 U	--	--	--	0.0048 U	--	--	--	--	--
PCBs (µg/L)																		
PCB-1242 (Aroclor 1242)	0.09	0.033 U	0.053 U	0.049 U	0.063 U	0.051 U	0.049 U	--	0.038 U	--	--	--	0.038 U	--	--	--	--	--
PCB-1254 (Aroclor 1254)	0.09	0.025 U	0.024 J	0.049 U	0.048 U	0.051 U	0.049 U	--	0.034 U	--	--	--	0.034 U	--	--	--	--	--
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																		
Benzo(b)fluoranthene	0.002	1 U	--	--	2 U	--	--	--	0.53 U	--	--	--	0.54 U	--	--	--	R	--
VOCs (µg/L)																		
1,1-Dichloroethene	5	0.28 U	1 U	1 U	0.28 U	1 U	1 U	1 U	1.3 J	0.67 J	1	1 U	0.28 U	5 U	1 U	--	1 U	1 U
Benzene	1	0.27 U	0.5 U	0.5 U	0.27 U	0.5 U	0.5 U	0.5 U	0.27 U	0.5 U	0.5 U	0.5 U	0.27 U	0.5 U	0.5 U	--	0.5 U	0.5 U
Chloroform	7	0.4 U	1 U	1 U	0.4 U	1 U	1 U	1 U	0.4 U	1 U	1 U	1 U	0.4 U	1 U	1 U	--	1 U	1 U
Cis-1,2-Dichloroethylene	5	0.54 U	0.57 J	0.33 J	0.54 U	1 U	1 U	2.3	**321**	**188**	**232**	**104**	1.5 J	1.9 J	2.1	--	1 U	1 U
Trans-1,2-Dichloroethene	5	0.55 U	1 U	1 U	0.55 U	1 U	1 U	1 U	2.8	1.2	1.3	1 U	0.57 J	1 U	1 U	--	1 U	1 U
TCE	5	0.25 U	1 U	1 U	0.25 U	1 U	1 U	0.63 J	0.66 U	1 U	1 U	1 U	0.66 U	1 U	1 U	--	1 U	1 U
Toluene	5	0.66 U	1 U	0.38 J	0.66 U	1 U	1 U	1 U	**70.7**	**11.9**	**46.8**	**53.7**	0.82 J	5 U	1 U	--	1 U	1 U
Vinyl Chloride	2	0.45 U	1 U	1 U	0.45 U	1 U	1 U	1 U	**239**	**164**	**104**	**36.8**	**3.5**	**7.2**	**6.2**	--	1 U	1 U
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**																	
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**47.1**	--	**27.8**
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**58.3** J	--	**59.9**

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	MW-7				MW-9										MW-10				
		12/7/2015	11/4/2016	5/10/2017	11/9/2020	4/2/2014	10/16/2014	3/10/2015	7/16/2015	10/13/2015	11/3/2016	5/10/2017	11/13/2018	11/19/2019	11/5/2020	12/8/2015	11/4/2016	5/10/2017	11/13/2018	11/10/2020
METALS (µg/L)																				
Antimony	3	2 U	--	--	--	2.5 U	6 U	6 U	6 U	6 U	--	--	--	6 U	--	2.3 J	--	--	--	--
Arsenic	25	2 J	--	--	--	**28**	23.4	16.3	**39**	**38.5**	--	--	--	11.3	--	1.7 U	--	--	--	--
Barium	1000	13 J	--	--	--	575	197	718	662	614	--	--	--	228	--	76.4	--	--	--	--
Cadmium	5	0.43 U	--	--	--	0.17 U	4 U	4 U	4 U	4 U	--	--	--	3 U	--	0.43 U	--	--	--	--
Chromium, Total	50	35.5	--	--	--	1 U	10 U	10 U	10 U	10 U	--	--	--	**228**	--	**1070**	--	--	--	--
Copper	200	2.4 U	--	--	--	0.85 U	25 U	25 U	25 U	25 U	--	--	--	10 U	--	10.7 J	--	--	--	--
Iron	300	85.1 J	--	--	--	**53400**	**10700**	**44400**	**35200**	**38000**	--	--	--	**18300**	--	**531**	--	--	--	--
Lead	25	1.7 U	--	--	--	2.9 U	5 U	5 U	5 U	5 U	--	--	--	3 U	--	1.7 U	--	--	--	--
Manganese	300	2.7 J	--	--	--	**3090**	**383**	**2100**	**1620**	**1840**	--	--	--	**1120**	--	222	--	--	--	--
Nickel	100	1.4 J	--	--	--	2.5 J	40 U	40 U	40 U	40 U	--	--	--	10 U	--	**112**	--	--	--	--
Sodium	20000	5500	--	--	--	**795000**	**159000**	**796000**	**651000**	**602000**	--	--	--	**248000**	--	10800	--	--	--	--
Mercury	0.7	0.096 U	--	--	--	0.038 U	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	0.2 U	--	0.096 U	--	--	--	--
PESTICIDES (µg/L)																				
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.0058 U	--	--	--	0.0077 U	0.0038 U	0.0038 U	0.007 U	0.052 U	--	--	--	--	--	0.0057 U	--	--	--	--
Dieldrin	0.004	0.005 U	--	--	--	0.0098 U	0.0098 U	0.0097 U	0.017 UR	0.052 U	--	--	--	--	--	0.0049 U	--	--	--	--
PCBs (µg/L)																				
PCB-1242 (Aroclor 1242)	0.09	0.039 U	--	--	--	0.17 U	0.063 J	0.039 U	0.038 U	0.051 U	0.053 U	0.049 U	--	--	--	0.04 U	--	--	--	--
PCB-1254 (Aroclor 1254)	0.09	0.035 U	--	--	--	0.25 U	0.051 J	0.034 U	**0.16 J**	0.051 U	0.064 U	0.049 U	--	--	--	0.035 U	--	--	--	--
PCBs	0.09	--	--	--	--	--	**0.114** J	--	**0.16** J	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																				
Benzo(b)fluoranthene	0.002	0.54 U	--	--	--	0.33 U	0.25 U	1 U	0.44 U	0.52 U	--	--	--	0.2 UJ	--	0.55 U	--	--	--	--
VOCs (µg/L)																				
1,1-Dichloroethene	5	0.28 U	20 U	1 U	1 U	1.2 U	0.61 U	0.28 U	0.28 UJ	1 U	5 U	10 U	--	1 U	1 U	0.28 U	5 U	1 U	--	1 U
Benzene	1	0.27 U	2 U	0.5 U	0.5 U	1.6 U	0.32 U	0.27 U	0.27 U	0.5 U	0.5 U	5 U	--	0.5 U	0.5 U	0.27 U	0.5 U	0.5 U	--	0.5 U
Chloroform	7	0.4 U	4 U	1 U	1 U	1.4 U	0.41 U	0.4 U	0.4 U	1 U	1 U	10 U	--	1 U	1 U	0.4 U	1 U	1 U	--	1 U
Cis-1,2-Dichloroethylene	5	**44.1**	**26.9**	**31**	**90.8**	3.2 U	0.84 U	0.31 U	0.31 U	1 U	5 U	10 U	--	1 U	1 U	**42.4**	**15**	**8.9**	--	**20.3**
Trans-1,2-Dichloroethene	5	0.55 U	4 U	1 U	1 U	3.6 U	0.51 U	0.48 U	0.48 U	1 U	1 U	10 U	--	1 U	1 U	0.7 J	1 U	0.44 J	--	1 U
TCE	5	0.66 U	4 U	1 U	1 U	2 U	0.33 U	0.29 U	0.29 U	1 U	1 U	10 U	--	1 U	1 U	0.66 U	1 U	1 U	--	1 U
Toluene	5	**464**	**441**	**557**	**661**	1.8 U	0.47 U	0.25 U	0.25 U	1 U	5 U	10 U	--	1 U	1 U	**77**	**88.7**	**70.2**	--	**43.5**
Vinyl Chloride	2	0.45 U	8 U	0.85 J	1 U	3.6 U	0.58 U	0.45 U	0.45 U	1 UJ	2 U	10 U	--	1 U	1 U	0.45 U	2 U	1 U	--	1 U
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**																			
I,4-Dioxane (µg/L)	0.35	--	0.22 U	--	0.05 U	--	--	--	--	--	0.13 J	--	--	--	0.174	--	--	--	--	--
PFOA (ng/L)	6.7	--	--	--	--	--	--	--	--	--	--	--	6.03	--	5.4	--	--	--	4.37	2.1
PFOS (ng/L)	2.7	--	--	--	--	--	--	--	--	--	--	--	**17.4** J	--	**14.4** J	--	--	--	**68.5**	**65.1**

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater above the Class GA GQS
Universal Waste
Utica, NY

Chemical	NYSDEC Class GA GQS	MW-11				MW-12	MW-12B				MW-13B				MW-16B	MW-17
		12/7/2015	11/4/2016	5/10/2017	11/10/2020	11/6/2020	12/8/2015	11/4/2016	5/10/2017	11/4/2020	12/7/2015	11/4/2016	5/10/2017	11/9/2020	11/5/2020	11/5/2020
METALS (µg/L)																
Antimony	3	2 U	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--
Arsenic	25	1.9 J	--	--	--	--	2.9 J	--	--	--	1.7 U	--	--	--	--	--
Barium	1000	24 J	--	--	--	--	599	--	--	--	278	--	--	--	--	--
Cadmium	5	0.43 U	--	--	--	--	0.43 U	--	--	--	0.43 U	--	--	--	--	--
Chromium, Total	50	1 J	--	--	--	--	0.5 J	--	--	--	0.7 J	--	--	--	--	--
Copper	200	2.4 U	--	--	--	--	2.4 U	--	--	--	2.4 U	--	--	--	--	--
Iron	300	135	--	--	--	--	**61600**	--	--	--	**31800**	--	--	--	--	--
Lead	25	1.7 U	--	--	--	--	1.7 U	--	--	--	1.7 U	--	--	--	--	--
Manganese	300	**452**	--	--	--	--	**2330**	--	--	--	**2770**	--	--	--	--	--
Nickel	100	0.9 J	--	--	--	--	3 J	--	--	--	4.1 J	--	--	--	--	--
Sodium	20000	6110	--	--	--	--	**105000**	--	--	--	**79700**	--	--	--	--	--
Mercury	0.7	0.096 U	--	--	--	--	0.096 U	--	--	--	0.096 U	--	--	--	--	--
PESTICIDES (µg/L)																
alpha BHC (Alpha Hexachlorocyclohexane)	0.01	0.0058 U	--	--	--	--	0.0058 U	--	--	--	0.0057 U	--	--	--	--	--
Dieldrin	0.004	0.005 U	--	--	--	--	0.005 U	--	--	--	0.0049 U	--	--	--	--	--
PCBs (µg/L)																
PCB-1242 (Aroclor 1242)	0.09	0.04 U	--	--	--	--	0.04 U	--	--	--	0.04 U	--	--	--	--	--
PCB-1254 (Aroclor 1254)	0.09	0.036 U	--	--	--	--	0.036 U	--	--	--	0.036 U	--	--	--	--	--
PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)																
Benzo(b)fluoranthene	0.002	0.54 U	--	--	--	--	0.54 U	--	--	--	0.54 U	--	--	--	--	--
VOCs (µg/L)																
1,1-Dichloroethene	5	0.6 J	5 U	1 U	1 U	1 U	**35.1**	**73.2 J**	**110 J**	**17.4 J**	**5.9**	50 U	**5.7**	3.4	1.1	1 U
Benzene	1	0.27 U	0.5 U	0.5 U	0.5 U	0.5 U	0.58	50 U	130 U	10 U	0.27 U	5 U	2.5 U	1.3 U	0.5 U	0.5 U
Chloroform	7	0.4 U	1 U	1 U	1 U	1 U	3	100 U	250 U	20 U	4.6	10 U	5 U	2.5 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	**129**	**10.4**	**14.6**	**95.6**	**5.3**	**12600**	**27800**	**44200**	**7990**	**1530**	**1910**	**1820**	**991**	**451**	**30.1**
Trans-1,2-Dichloroethene	5	0.67 J	1 U	1 U	1 U	1 U	**41.3**	**91.2 J**	**132 J**	**34.4**	**7.2**	**7.6 J**	**7.1**	**6**	1.6	1 U
TCE	5	0.66 U	1 U	1 U	1 U	1 U	0.66 U	100 U	250 U	20 U	0.66 U	10 U	5 U	2.5 U	1 U	1 U
Toluene	5	**64.9**	**196**	**155**	**19.3**	4.5	0.25 U	500 U	250 U	20 U	**42.9**	50 U	5 U	5.6 U	1 U	**9.5**
Vinyl Chloride	2	**19.7**	2 U	1 U	**12.4**	1 U	**2010**	**4920**	**5890**	**2180 J**	**229**	**267**	**340**	**330**	**333**	**7.7**
EMERGING CONTAMINANTS	**NYSDEC Guidance Value**															
I,4-Dioxane (µg/L)	0.35	--	--	--	--	--	--	--	--	--	--	--	--	0.141	--	--
PFOA (ng/L)	6.7	--	--	--	--	6.2	--	--	--	--	--	--	--	--	--	--
PFOS (ng/L)	2.7	--	--	--	--	**64.6**	--	--	--	--	--	--	--	--	--	--

Table 2-13
Constituents Detected in OU1 and Utica Alloys Groundwater Above the Class GA GQS
Unviersal Waste Site
Utica, NY

Notes:

Water and Groundwater Quality Standards and Groundwater Effluent Limitations and NYSDEC's Final Ambient Water Quality Guidance Values (March 15, 2023).

µg/L = microgram per liter

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

MCL = maximum contaminant level

ng/L = nanogram per liter

NYCRR = New York Codes, Rules, and Regulations

NYSDEC = New York State Department of Environmental Conservation

PCB = polychlorinated biphenyl

GQS = Groundwater Quality Standard

PFOA = perfluorooctanoic acid

PFOS = perfluorooctanesulfonic acid

R = Data rejected by third party validator

TCE = trichloroethene

U = Indicates the analyte was analyzed for but not detected.

VOC = volatile organic compound

Table 2-14
Constituents of Concern in OU1 Surface Soil
Universal Waste
Utica, NY

Constituents of Concern	CAS #	Exceeds Soil Cleanup Objectives						Exceeds Guidance Criteria	Source(s)
		Unrestricted Use	CP-51	Commercial Use	Industrial Use	Protection of Groundwater	Protection of Ecological Resources		
HERBICIDES/PESTICIDES									
Aldrin	309-00-2	X	Not Applicable			X		Not Applicable	Historical Fill
alpha BHC	319-84-6	X				X	X		
beta BHC	319-85-7	X							
delta BHC	319-86-8	X					X		
Dieldrin	60-57-1	X		X		X	X		
Endrin	72-20-8	X				X			
Heptachlor	76-44-8	X							
P,P'-DDD	72-54-8	X					X		
P,P'-DDE	72-55-9	X					X		
P,P'-DDT	50-29-3	X					X		
METALS									
Arsenic	7440-38-2	X	Not Applicable	X	X	X	X	Not Applicable	Historical Fill
Barium	7440-39-3	X		X		X	X		
Cadmium	7440-43-9	X		X	X	X	X		Former OU1 Operations
Chromium, total	7440-47-3	X		X	X	X			
Copper	7440-50-8	X		X	X	X	X		
Lead	7439-92-1	X		X	X	X	X		
Manganese	7439-96-5	X				X	X		Naturally Occurring
Mercury	7439-97-6	X		X	X	X	X		Historical Fill
Nickel	7440-02-0	X		X	X	X	X		Former OU1 Operations
Selenium	7782-49-2	X				X	X		Naturally Occurring/ Historical Fill
Silver	7440-22-4	X				X	X		
Zinc	7440-66-6	X		X	X	X	X		
PCBs									
PCB-1242 (Aroclor 1242)	53469-21-9	X	X	X	X	X	X	Not Applicable	Former OU1 Operations
PCB-1248 (Aroclor 1248)	12672-29-6	X	X	X	X	X	X		
PCB-1254 (Aroclor 1254)	11097-69-1	X	X	X	X	X	X		
PCB-1260 (Aroclor 1260)	11096-82-5	X	X	X		X	X		
Total PCB Aroclors	1336-36-3	X	X	X	X	X	X		
SVOCs									
2-Methylphenol (O-Cresol)	95-48-7	X	Not Applicable			X		Not Applicable	Historical Fill
4-Methylphenol (P-Cresol)	106-44-5	X				X			
Benzo[a]anthracene	56-55-3	X		X	X	X			
Benzo[a]pyrene	50-32-8	X		X	X	X	X		
Benzo[b]fluoranthene	205-99-2	X		X	X	X			
Benzo[k]fluoranthene	207-08-9	X				X			
Chrysene	218-01-9	X				X			
Dibenz(A,H)Anthracene	53-70-3	X		X	X				
Indeno(1,2,3-C,D)Pyrene	193-39-5	X		X	X	X			
Phenol	108-95-2	X				X			
VOCs									
Acetone	67-64-1	X	Not Applicable			X	X	Not Applicable	Utica Alloys
EMERGING CONTAMINANTS									
PFOA	335-67-1	Not Applicable						X	Utica Fire Training Facility and/or other operations along Leland Avenue
PFOS	1763-23-1							X	

Notes:
An "X" indicates an exceedance of the applicable standard.
COPC = constituent of potential concern
NYSDEC = New York State Department of Environmental Conservation
OU1 = Operable Unit 1
PCB = polychlorinated biphenyl
PFOA = perfluorooctanoic acid
PFOS = perfluorooctane sulfonic acid

Table 2-14
Constituents of Concern in OU1 Surface Soil
Universal Waste
Utica, NY

Constituents of Concern	CAS #	Exceeds Soil Cleanup Objectives						Exceeds Guidance Criteria	Source(s)
		Unrestricted Use	CP-51	Commercial Use	Industrial Use	Protection of Groundwater	Protection of Ecological Resources		

SVOC = semi-volatile organic compound
VOC = volatile organic compound

Table 2-15
Constituents of Concern in OU1 Subsurface Soil
Universal Waste
Utica, NY

Constituents of Concern	CAS #	Exceeds Soil Cleanup Objectives						Exceeds Guidance Criteria	Source(s)
		Unrestricted Use	Commercial Use	CP-51	Industrial Use	Protection of Groundwater	Protection of Ecological Resources		
HERBICIDES/PESTICIDES									
alpha BHC	319-84-6	X		Not Applicable		X	X	Not Applicable	Historical Fill
beta BHC	319-85-7	X				X			
cis-Chlordane	5103-71-9	X							
delta BHC	319-86-8	X				X	X		
Dieldrin	60-57-1	X				X	X		
Endrin	72-20-8	X				X			
gamma BHC (Lindane)	58-89-9	X				X			
P,P'-DDD	72-54-8	X				X	X		
P,P'-DDE	72-55-9	X					X		
P,P'-DDT	50-29-3	X					X		
METALS									
Arsenic	7440-38-2	X	X	Not Applicable	X	X	X	Not Applicable	Historical Fill
Barium	7440-39-3	X	X			X	X		
Cadmium	7440-43-9	X	X			X	X		Former OU1 Operations
Chromium, total	7440-47-3	X	X		X	X			
Copper	7440-50-8	X	X		X	X	X		
Lead	7439-92-1	X	X		X	X	X		
Manganese	7439-96-5	X				X	X		Naturally Occurring
Mercury	7439-97-6	X	X		X	X	X		Historical Fill
Nickel	7440-02-0	X	X		X	X	X		Former OU1 Operations
Selenium	7782-49-2	X				X	X		Naturally Occurring/ Historical Fill
Silver	7440-22-4	X				X	X		
Zinc	7440-66-6	X	X		X	X	X		
PCBs									
PCB-1242 (Aroclor 1242)	53469-21-9	X	X	X	X	X	X	Not Applicable	Former OU1 Operations
PCB-1248 (Aroclor 1248)	12672-29-6	X	X	X	X	X	X		
PCB-1254 (Aroclor 1254)	11097-69-1	X	X	X	X	X	X		
PCB-1260 (Aroclor 1260)	11096-82-5	X	X	X	X	X	X		
PCB-1262 (Aroclor 1262)	37324-23-5	X							
Total PCB Aroclors	1336-36-3	X	X	X	X	X	X		

Table 2-15
Constituents of Concern in OU1 Subsurface Soil
Universal Waste
Utica, NY

Constituents of Concern	CAS #	Exceeds Soil Cleanup Objectives						Exceeds Guidance Criteria	Source(s)
		Unrestricted Use	Commercial Use	CP-51	Industrial Use	Protection of Groundwater	Protection of Ecological Resources		
SVOCs									
2-Methylphenol (O-Cresol)	95-48-7	X		Not Applicable		X		Not Applicable	Historical Fill
4-Methylphenol (P-Cresol)	106-44-5	X				X			
Acenaphthene	83-32-9	X							
Anthracene	120-12-7	X							
Benzo[a]anthracene	56-55-3	X	X		X	X			
Benzo[a]pyrene	50-32-8	X	X		X	X	X		
Benzo[b]fluoranthene	205-99-2	X	X		X	X			
Benzo[k]fluoranthene	207-08-9	X				X			
Chrysene	218-01-9	X	X			X			
Dibenz(A,H)Anthracene	53-70-3	X	X		X				
Dibenzofuran	132-64-9	X							
Fluoranthene	206-44-0	X							
Fluorene	86-73-7	X					X		
Indeno(1,2,3-C,D)Pyrene	193-39-5	X	X		X	X			
Naphthalene	91-20-3	X				X			
Phenanthrene	85-01-8	X							
Phenol	108-95-2	X				X			
Pyrene	129-00-0	X							
VOCs									
1,1,1-Trichloroethane	71-55-6	X		Not Applicable		X		Not Applicable	Utica Alloys
1,1-Dichloroethane	75-34-3	X				X			
1,1-Dichloroethene	75-35-4	X				X			
1,2-Dichlorobenzene	95-50-1	X				X			
1,2-Dichloroethane	107-06-2	X				X			
Acetone	67-64-1	X				X	X		
Benzene	71-43-2	X				X			
cis-1,2-Dichloroethene	156-59-2	X				X			
Ethylbenzene	100-41-4	X				X			
Methyl Ethyl Ketone	78-93-3	X				X			
Methylene Chloride	75-09-2	X				X			
Toluene	108-88-3	X				X			
trans-1,2-Dichloroethene	156-60-5	X				X			
Trichloroethylene	79-01-6	X				X	X		
Vinyl Chloride	75-01-4	X				X			
Xylenes	1330-20-7	X				X	X		

Table 2-15
Constituents of Concern in OU1 Subsurface Soil
Universal Waste
Utica, NY

Constituents of Concern	CAS #	Exceeds Soil Cleanup Objectives						Exceeds Guidance Criteria	Source(s)
		Unrestricted Use	Commercial Use	CP-51	Industrial Use	Protection of Groundwater	Protection of Ecological Resources		
EMERGING CONTAMINANTS									
PFOA	335-67-1	Not Applicable						X	Utica Fire Training Facility and/or other operations along Leland Avenue
PFOS	1763-23-1							X	

Notes:
An "X" indicates an exceedance of the applicable standard.
COPC = constituents of potential concern
NYSDEC = New York State Department of Environmental Conservation
OU1 = Operable Unit 1
PCB = polychlorinated biphenyl
PFOA = perfluorooctanoic acid
PFOS = perfluorooctane sulfonic acid
SVOC = semi-volatile organic compound
VOC = volatile organic compound

Table 2-16
Constituents of Concern in Site Groundwater
Universal Waste
Utica, NY

Constituents of Concern	CAS #	Exceeds Class GA GQS or NYSDEC Drinking Water MCL	Source(s)
HERBICIDES/PESTICIDES			
alpha BHC	319-84-6	X	Historical Fill
Dieldrin	60-57-1	X	
METALS			
Antimony	7440-36-0	X	Naturally Occurring
Arsenic	7440-38-2	X	Historical Fill
Barium	7440-39-3	X	
Cadmium	7440-43-9	X	Former OU1 Operations
Chromium, total	7440-47-3	X	
Copper	7440-50-8	X	
Iron	7439-89-6	X	Naturally Occurring
Lead	7439-92-1	X	Former OU1 Operations
Manganese	7439-96-5	X	Naturally Occurring
Mercury	7439-97-6	X	Historical Fill
Nickel	7440-02-0	X	Former OU1 Operations
Sodium	7440-23-5	X	Naturally Occurring
PCBs			
Aroclor 1232	11141-16-5		Former OU1 Operations
Aroclor 1242	53469-21-9	X	
Aroclor 1248	12672-29-6	X	
Aroclor 1254	11097-69-1	X	
VOCs			
1,1-Dichloroethene	75-35-4	X	Utica Alloys
Benzene	71-43-2	X	
Chloroform	67-66-3	X	
cis-1,2-Dichloroethene	156-59-2	X	
Toluene	108-88-3	X	
trans-1,2-Dichloroethene	156-60-5	X	
Trichloroethylene	79-01-6	X	
Vinyl Chloride	75-01-4	X	
EMERGING CONTAMINANTS			
1,4-Dioxane	123-91-1	X	Utica Alloys
PFOA	335-67-1	X	Utica Fire Training Facility and/or other operations along Leland Avenue
PFOS	1763-23-1	X	

Notes:
GQS = Groundwater Quality Standard
MCL = maximum contaminant level
NYSDEC = New York State Department of Environmental Conservation
OU1 = Operable Unit 1
PCB = polychlorinated biphenyl
PFOA = perfluorooctanoic acid
PFOS = perfluorooctane sulfonic acid
SVOC = semi-volatile organic compound
VOC = volatile organic compound

Table 3-1
Chemical-Specific Standards, Criteria, and Guidance
Universal Waste
Utica, NY

Media	Requirements	Citation	Description	Comment
Soil	USEPA Toxic Substances Control Act (TSCA)	40 CFR Part 761	Establishes prohibitions of, and requirements for, the manufacture, processing, distribution in commerce, use, disposal, storage, and marking of PCBs and PCB items	Provides cleanup and disposal options for PCB remediation waste. Also determines future "low" or "high" occupancy at the Site.
	NYSDEC Technical Guidance for Site Investigation and Remediation	DER-10, May 2010	Provides overview of the site investigation and remediation process for Inactive Hazardous Waste Disposal Site Remedial Program	
	NYSDEC Soil Cleanup Guidance	NYSDEC Policy CP-51, October 2010	Provides guidance on use of SCOs	Provides presumptive remedy for PCBs
	NYSDEC's Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) dated April 2023	Not Applicable	Provides guidance values for PFOA and PFOS in soil	
	NYSDEC Remedial Program Soil Cleanup Objectives	6 NYCRR Part 375 Subpart 375-2	Establishes soil cleanup objectives	

Notes:
CFR = Code of Federal Regulatons
NYCRR = New York
NYSDEC = New York State Department of Environmental Conservation
PCB = polychlorinated biphenyls
PFOA = perfluorooctanoic acid
PFOS = perfluorooctanesulfonic acid
USEPA = United States Environmental Protection Agency

Table 3-2
Action-Specific Standards, Criteria, and Guidance
Universal Waste
Utica, NY

Action	Requirements	Citation	Description	Comment
Construction Stormwater	State Pollutant Discharge Elimination System (SPDES) Permit	NYSDEC SPDES General Permit for Stormwater Discharge	Requirements to protect stormwater from contruction impacts including preparation of a Stormwater Pollution Prevention Plan (SWPPP).	Applicable because land disturbance is greater than one acre
Water Treatment Discharge	NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations	Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, 1.1.2	Provides ambient water quality standards and guidance values for toxic and non-conventional pollutants for use in NYSDEC programs (e.e, SPDES).	Potentially applicable in establishing discharge limitations to surface water
	NYSDEC Industrial SPDES Permit Drafting Strategy for Surface Waters	TOGS 1.2.1	Guidance for developing effluent and monitoring limits for point source release to surface water.	
	USEPA Clean Water Act	Section 401	Water Quality Certification	Potentially applicable
	SPDES	6 NYCRR Parts 750-01, 750-02	Requirements for obtaining a SPDES permit and requirments for operating in accordance with SPDES permits.	Potentially applicable to constructing and operating a water treatment system for discharge to surface water
Waste Management	Solid Waste Management Facility	6 NYCRR 360	Includes solid waste management facility requirements.	Applicable for excavated soil
	Waste Transporter Permits	6 NYCRR 364	Regulates collection, transport, and delivery of regulated waste. Requires that wastes be transported by permitted waste haulers.	Applicable for excavated soil transported off-site
	Occupational Safety and Health Administration (OSHA)	29 CFR 1910	Provides general health and safety requirements and handling and disposing of hazardous waste.	Applicable
	USDOT Rules for Tranportation of Hazardous Materials	49 CFR Parts 107, 171.1 through 172.558	Provides requirements for packaging, labeling, manifesting, and transporting of hazardous materials.	Applicable for the transport and disposal of soils with PCB concentrations greater than 50 mg/kg
PCB-Impacted Soil	USEPA Toxic Substances Control Act (TSCA)	40 CFR Part 761	Establishes prohibitions of, and requirements for, the manufacture, processing, distribution in commerce, use, disposal, storage, and marking of PCBs and PCB items.	Applicable for off-site disposal of PCB-impacted soil
Hazardous Waste	Resource Conservation and Recovery Act (RCRA) -Subtitle C	40 CFR Parts 261-265	Outlines criteria for dermining if a solid waste is a hazardous waste and establishes requirements for hazardous waste management.	Potentially applicable
	New York State Hazardous Waste Management Regulations	6 NYCRR Parts 370-376		Applicable for soils with PCB concentrations greater than 50 mg/kg
Off-Site Management of Non-Hazardous Waste	RCRA Subtitle D	40 CFR Parts 239-259	Focuses on state and local governments as the primary planning, regulating and implementing entities for the management of nonhazardous solid waste, such as household garbage and nonhazardous industrial solid waste.	Applicable for non-hazardous soils removed from the Site
Recycling of Waste Tires	New York State Environmental Conservation Law (ENV)	ENV 27-19	Requires the recycling of waste tires where possible.	Applicable to any waste tires removed

Table 3-2
Action-Specific Standards, Criteria, and Guidance
Universal Waste
Utica, NY

Action	Requirements	Citation	Description	Comment
Engineering Controls	TSCA	40 CFR 761.61	Establishes requirements for capping, fencing, and signage.	Potentially applicable
Institutional Controls	Institution of an Environmental Easement	NYSDEC DER-33 and ECL Article 71, Title 36	NYSDEC has developed a standard form and procedure for preparing and establishing environmental easements.	Institutional controls will be established in accordance with NYSDEC policy
Land Disturbing Activities	Occupational Safety and Health Administration (OSHA)	29 CFR 1910	Provides general health and safety requirements and handling and disposing of hazardous waste.	Applicable
	Excavation of impacted soil	NYSDEC DER-10; Technical Guidance for Site Investigation and Remediation	Requirements for collection and analysis of compliance and documentation samples.	Applicable
			Requirments for Community Air Monitoring Plan implementation.	Applicable
	Backfill		Requirements for procedures to ensure that imported backfill is not contaminated.	Applicable
	Protection of Underground Facilities	6 NYCRR Part 753, New York 811	Provides requirements for underground utility location prior to excavation activities.	Applicable
	Green Remediation	NYSDEC DER-31	Outlines greeen remediation strategies to be included in the remedy	Potentially Applicable
	Climate Change and DEC Action	CP-49	Incorporates climate change considerations into remedy evaluation and selection	Potentially Applicable
	Erosion and Sediment Controls	NYSDEC Standards and Specifications for Erosion and Sediment Control, November 2016	Provides criteria on minimizing erosion and sediment impacts from construction activity involving soil disturbance.	Applicable
Site Restoration	Green Remediation	NYSDEC DER-31	Outlines greeen remediation strategies to be included in the remedy	Potentially Applicable
	Climate Change and DEC Action	CP-49	Incorporates climate change considerations into remedy evaluation and selection	Potentially Applicable

Notes:
CFR = Code of Federal Regulatons
ECL = Environmental Conservation Law
NYCRR = New York
NYSDEC = New York State Department of Environmental Conservation
PCB = polychlorinated biphenyls
USEPA = United States Environmental Protection Agency

Table 3-3
Location-Specific Standards, Criteria, and Guidance
Universal Waste
Utica, NY

Location	Requirements	Citation	Description	Comment
Entire Site	Oneida County	General Regulations	County transporation and site use regulations	Requirements of County and City are applicable to transportation of waste material off-site.
	City of Utica	General Ordinances	City regulations regarding transportation, noise, zoning, and permitting	
	Onedia County "Flow Control" Ordinance	Resolution No. 301	Requires use of local landfill for non-hazardous waste disposal	Oneida-Herkimer Solid Waste Authority facility in Ava, New York

Table 4-1
Remedial Technolgies
Universal Waste
Utica, NY

General Response Action	Technology	Description	Technologies Applicable for COCs (Yes/✓ or No/X)		
			PCBs	LNAPL	Metals
No Further Action	No Action	No Action is a technology where no action is taken. It is not a viable technology but is retained for comparative purposes.	X	X	X
Limited Action	Institutional Controls	Institutional Controls (ICs) are administrative controls put into place to prevent exposure to COCs. Examples include easements, water use restrictions, site use restrictions, site management plans (SMPs), etc.	✓	✓	✓
	Engineering Controls	Engineering Controls (ECs) are physical controls put into place to prevent exposure to COCs. Examples include fencing, signage, etc.	✓	✓	✓
	Monitoring	Monitoring is a technology used to determine stability of contaminant mass. Analytical and/or field screening tests are used to determine location and extents of contaminant mass.	✓	✓	✓
Containment	Capping	Capping is a technology that isolates contaminated materials. An impermeable or permeable engineered cover installed over contaminated soils removes the exposure pathway.	✓	X	✓
	In-Situ Solidifcation/ Stabilization	In-Situ Solidification/Stabilization is a technology where soils are solidified to prevent contaminant mobility. Soils are either removed or mixed in place with Portland cement or other additives to solidify and encapsulate the soils.	✓	✓	✓
In-Situ Treatment	In-Situ Chemical Oxidation	In-Situ Chemical Oxidation is a technology where contaminants are destroyed by the introduction of strong oxidizers. Oxidizers are typically introduced to the subsurface through a well network or direct push injections.	X	✓	X
	In-Situ Thermal Treatment	In-Situ Thermal Treatment is a technology where the subsurface is heated to >1100 degrees Celcius and the contaminants are destroyed or converted to inert end products.	X	✓	X
	In-Situ Biological Treatment	In-Situ Biological Remediation is a technology where contaminants are converted into innocuous end products by indigenous or inoculated micro-organisms. Nutrients may be introduced to provide specific geochemical conditions.	✓	✓	X
Removal	Excavation	Excavation is a technology where the contaminated soils are removed from the site mechanically and either treated Ex-Situ or disposed of. Clean fill is imported to back fill the removed materials.	✓	✓	✓
Disposal	Ex-Situ Thermal Treatment	Ex-Situ Thermal Treatment is a technology that utilizes designated incineration facilities to thermally destroy contaminants. Removed soil is transported to the incineration facility.	✓	✓	X
	Landfill	Disposal is a technology where the removed contaminated soil is transported to an appropriate landfill facility. The appropriate facility will be determined by waste profiling.	✓	✓	✓

Notes:
COC = constituent of concern
LNAPL = light non-aqueous phase liquid
PCBs = polychlorinated biphenyls

Table 4-2
Remedial Technologies Screening
Universal Waste
Utica, NY

General Response Action	Technology	Process Option	Effectiveness	Implementability	Cost	Status
Polychlorinated Biphenyls (PCBs)						
No Further Action	No Action	None	Not Effective.	Good.	None.	Retained, for comparative purposes.
Limited Action	Engineering Controls	Fencing/Signage	Partially Effective, not an effective stand alone option, but often a supporting technology.	Good.	Low.	Retained.
	Institutional Controls	Deed restrictions, soil management plan, permits	Partially Effective, not an effective stand alone option, but often a supporting technology.	Good.	Low.	Retained, ICs are implemented in most remedial approaches
	Monitoring	Monitoring	Partially Effective, not an effective stand alone option, but often a supporting technology.	Good.	Low.	Retained, Monitoring will be involoved in any remedial option.
Containment	Capping	Clean Soil Cap	Good.	Good.	Moderate	Retained.
		Impermeable cap	Good.	Good.	Moderate	Retained.
	In-Situ Solidifcation/Stabilization	Cement	Good.	Moderate.	High.	Excluded, due to high cost and limited implementibility
In-Situ Treatment	In-Situ Biological	Bioremediation	Not Effective.	Low.	Low.	Excluded, due to limited implementibility
Removal	Excavation	Mechanical	Good.	Good.	Moderate	Retained.
Disposal	Landfill	TSCA/RCRA Subtitle C Landfill	Good.	Good.	Very High.	Retained.
		Subtitle D Solid Waste Landfill	Good.	Good.	High.	Retained.

Table 4-2
Remedial Technologies Screening
Universal Waste
Utica, NY

General Response Action	Technology	Process Option	Effectiveness	Implementability	Cost	Status
Metals						
No Further Action	No Action	None	Not Effective.	Good.	None.	Retained, for comparative purposes.
Limited Action	Engineering Controls	Fencing/Signage	Partially Effective, not an effective stand alone option, but often a supporting technology.	Good.	Low.	Retained.
	Institutional Controls	Deed restrictions, soil management plan, permits	Partially Effective, not an effective stand alone option, but often a supporting technology.	Good.	Low.	Retained, ICs are implemented in most remedial approaches
	Monitoring	Monitoring	Partially Effective, not an effective stand alone option, but often a supporting technology.	Good.	Low.	Retained, Monitoring will be involoved in any remedial option.
Containment	In-Situ Solidifcation/Stabilization	Cement	Good.	Moderate.	High.	Excluded, due to high cost and limited implementibility
Removal	Excavation	Mechanical	Good.	Good.	Moderate	Retained.
Disposal	Landfill	TSCA/RCRA Subtitle C Landfill	Good.	Good.	Very High.	Retained.
		Subtitle D Solid Waste Landfill	Good.	Good.	High.	Retained.

Table 4-2
Remedial Technologies Screening
Universal Waste
Utica, NY

General Response Action	Technology	Process Option	Effectiveness	Implementability	Cost	Status
Light Non-Aqueous Phase Liquid						
No Further Action	No Action	None	Not Effective.	Good.	None.	Retained, for comparative purposes.
Limited Action	Engineering Controls	Fencing/Signage	Partially Effective, not an effective stand alone option, but often a supporting technology.	Good.	Low.	Retained.
	Institutional Controls	Deed restrictions, soil management plan, permits	Partially Effective, not an effective stand alone option, but often a supporting technology.	Good.	Low.	Retained, ICs are implemented in most remedial approaches
	Monitoring	Monitoring	Partially Effective, not an effective stand alone option, but often a supporting technology.	Good.	Low.	Retained, Monitoring will be involoved in any remedial option.
Containment	Capping	Clean Soil Cap	Good.	Moderate.	Moderate	Retained.
		Impermeable cap	Good.	Good.	Moderate	Retained.
	In-Situ Solidifcation/Stabilization	Cement	Good.	Moderate.	High.	Excluded, due to high cost and limited implementibility
In-Situ Treatment	In-Situ Biological	Bioremediation	Not Effective.	Low.	Low.	Excluded, due to limited implementibility
Removal	Excavation	Mechanical	Good.	Good.	Moderate	Retained.
Disposal	Landfill	TSCA/RCRA Subtitle C Landfill	Good.	Good.	Very High.	Retained.
		Subtitle D Solid Waste Landfill	Good.	Good.	High.	Retained.

Table 5-1
Remedial Alternatives Evaluation
Universal Waste
Utica, NY

Evaluation Criteria	Remedial Alternatives		
	RA-1: No Further Action	**RA-2: Removal of PCBs in Soil >50 mg/kg**	**RA-3: Removal of PCBs in Soil >25 mg/kg (Industrial Use SCO)**
Remedial Alternative Description	No Further Action	Removal of PCBs in soil exceeding its New York Hazardous Waste Limit and containment of Site COCs remaining after excavation exceeding their respective Industrial SCOs or ESCOs. • Approximately **27,500 CY** of surface and subsurface soils with PCB concentrations greater than 50 mg/kg will be removed and disposed of off-site along with any collocated COCs. The excavated areas will be filled with clean backfill to existing land surface. • A TSCA cap (or two-ft cover if approved by USEPA), fencing and signage will be installed where soil remains with PCB concentrations greater than 25 mg/kg remain. • A two-ft cover will be installed where metals remain that exceed the Industrial Use SCOs and where other Site COCs (predominantly PCBs and metals) remain that exceed their respective ESCOs. • Impacted slabs and/or slabs in poor condition will be demolished and disposed of off-site. • LNAPL-impacted soils will be removed and disposed of off-site. • Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Subtitle D landfill. • Institutional controls (ICs) will be part of the final remedy, which include a deed restriction and a SMP. Fencing and signage will be required. Potential uses include industrial activities under current Industrial Zoning. • Routine cap/cover inspection, maintenance, and repair (as warranted) will be performed over the life of the cap/cover.	Removal of PCBs in soil exceeding its industrial SCO and containment of Site COCs remaining after excavation exceeding their respective Industrial Use SCOs and/or ESCOs • Approximately **34,700 CY** of surface and subsurface soils with PCB concentrations greater than the Industrial Use SCO of 25 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface. • A two-ft cover will be installed where metals remain at concentrations exceeding their respective Industrial Use SCOs and COCs (predominantly PCBs and metals) exceed their respective ESCOs. • Impacted slabs and/or slabs in poor condition will be demolished and disposed of off-site. • LNAPL-impacted soils will be removed and disposed of off-site. • Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill. • ICs will be part of the final remedy, which include a deed restriction and a SMP. Potential uses include industrial activities under current Industrial Zoning. • Routine cap/cover inspection, maintenance, and repair (as warranted) will be performed over the life of the cap/cover.
Conformance with SCGs (Poor, Fair, Good)	**Poor** No further action will be taken at the Site under this alternative and thus will not comply with SCGs.	**Poor** Impacted soil with PCB concentrations greater than the Industrial Use SCO of 25 mg/kg will remain on-site. Therefore, this alternative does not comply with SCGs.	**Good** PCB-impacted soil above the Industrial Use SCO of 25 mg/kg (chemical-specific SCG) will be removed from the Site which will comply with the chemical-specific SCGs. Site-related metals exceeding their Industrial Use SCOs, and PCBs/metals exceeding ESCOs will remain on-site and covered.
Overall Protectiveness of the Public Health and the Environment (Poor, Fair, Good)	**Poor** Alternative will not provide protection for human health and the environment. • RAOs will not be achieved. • Human health and ecological risks associated with impacted soil will not be reduced or eliminated.	**Fair** Alternative will provide protection for human health and the environment; however, a significant amount of PCB impacted soils will remain on-site. • RAOs for soil will be achieved. • Human health and ecological risks associated with impacted soil will be reduced or eliminated through excavation and containment.	**Good** Alternative will provide protection for human health and the environment. • RAOs for soil would be achieved. • Human health and ecological risks associated with impacted soil will be reduced or eliminated through excavation and containment.
Short-term Impact and Effectiveness	**Good** No further actions will be taken at the Site under this remedy.	**Good** Potential risks and environmental impacts associated with this alternative are few.	**Good** Potential risks and environmental impacts associated with this alternative are few.

Table 5-1
Remedial Alternatives Evaluation
Universal Waste
Utica, NY

Evaluation Criteria	Remedial Alternatives		
	RA-1: No Action	**RA-2: Removal of PCBs in Soil >50 mg/kg**	**RA-3: Removal of PCBs in Soil >25 mg/kg (Industrial Use SCO)**
Risks to community, workers, and associated controls	No risk to community or Site worker as a result of remedy implementation.	Potential risks to the community will include increased levels of noise, dust, and traffic. Engineering controls and BMPs can mitigate potential risks: • Access to the active work and support zones will be prohibited. • Dust and noise levels will be monitored. Potential risks to workers include physical hazards associated with general construction, potential exposure to and direct contact with impacted soil, noise, and dust. These will be mitigated through: • Engineering controls and BMPs • Compliance with appropriate health and safety plans and SMP • Use of appropriate PPE Traffic resulting from the transportation of approximately 27,500 CY of hazardous soil for off-site disposal, 33,000 CY of clean backfill, and 38,400 CY of cap/cover material will involve approximately 5,478 roundtrip truckloads through the community and increase the potential for road accidents in the narrow roads and streets around the area. Further, many of the land use abutting the Site and surrounding the County's highways are sensitive to high volumes of traffic with noise, odor, dust, and exhaust emissions from heavy traffic likely to pose concerns for the community. In addition, the following concerns are applicable: • Increased potential for spills and releases of contaminated soil on public roads and within the residential community. • Throughout Onedia and Herkimer Counties, physical constraints or impediments exist on County and State highways that hinder the flow of traffic, especially truck traffic. These include steep grades, aging or low bridges, awkward intersection geometry, and narrow or curving roadways. • Wear and tear to the local road system due to 5,478 roundtrip truckloads of soil sent off-site for disposal and backfill/cover material brought to Site. • Generation of about 2,450 metric tons of carbon dioxide (CO_2) associated with combustion of approximately 129,190 gallons of diesel fuel. Greenhouse gas emissions calculations are provided in **Appendix J.**	Potential risks to the community will include increased levels of noise, dust, and traffic. Engineering controls and BMPs can mitigate potential risks: • Access to the active work and support zones will be prohibited. • Dust and noise levels will be monitored. Potential risks to workers include physical hazards associated with general construction, potential exposure to and direct contact with impacted soil, noise, and dust. These will be mitigated through: • Engineering controls and BMPs • Compliance with appropriate health and safety plans and SMP • Use of appropriate PPE Traffic resulting from the transportation of approximately 27,500 CY of hazardous and non-hazardous soil and 7,200 CY of non-hazardous soil for off-site disposal, 41,700 CY of clean backfill, and 37,900 CY of cap/cover material will involve approximately 6,686 roundtrip truckloads through the community and increase the potential for road accidents in the narrow roads and streets around the area. Further, many of the land use abutting the Site and surrounding the County's highways are sensitive to high volumes of traffic with noise, odor, dust, and exhaust emissions from heavy traffic likely to pose concerns for the community. In addition, the following concerns are applicable: • Increased potential for spills and releases of contaminated soil on public roads and within the residential community. • Throughout Onedia and Herkimer Counties, physical constraints or impediments exist on County and State highways that hinder the flow of traffic, especially truck traffic. These include steep grades, aging or low bridges, awkward intersection geometry, and narrow or curving roadways. • Wear and tear to the local road system due to 6,686 roundtrip truckloads of soil sent off-site for disposal and backfill/cover material brought to Site. • Generation of 2,787 metric tons of carbon dioxide (CO_2) associated with combustion of approximately 143,380 gallons of diesel fuel. Greenhouse gas emissions calculations are provided in **Appendix J.**
Environmental impacts of remedy and controls	No environmental impacts due to implementation of remedy.	Short-term environmental effects during implementation may include the potential transport of impacted soil via storm water. Example control measures to mitigate these impacts include the following: • Erosion/storm water controls will be established prior to commencing with construction activities. • The duration of these potential releases will only occur during a rain event.	Short-term environmental effects during implementation may include the potential transport of impacted soil via storm water. Example control measures to mitigate these impacts include the following: • Erosion/storm water controls would be established prior to commencing with construction activities. • The duration of these potential releases would only occur during a rain event.
Duration of short-term risks	No further action.	The duration of the short-term risks will be the time required for excavation, backfilling, and capping activities, which is estimated to be approximately **91 days**.	The duration of the short-term risks will be the time required for excavation, backfilling, and cover activities, which is estimated to be approximately **101 days**.

Table 5-1
Remedial Alternatives Evaluation
Universal Waste
Utica, NY

Evaluation Criteria	Remedial Alternatives		
	RA-1: No Action	**RA-2: Removal of PCBs in Soil >50 mg/kg**	**RA-3: Removal of PCBs in Soil >25 mg/kg (Industrial Use SCO)**
Long-term Effectiveness and Permanence	**Poor** Alternative will not result in any significant change in the risks associated with impacted soil.	**Fair** Alternative will provide a fair level of long-term effectiveness and permanence due to the concentrations and mass of PCBs in soil that will remain on-site. • Alternative will meet RAOs. • PCB-impacted soil above the Industrial Use SCO will remain at the Site under TSCA cap or/or cover. • Site COCs above their Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs will be contained under a TSCA cap and/or cover. • Contact with or ingestion of impacted soil will be minimized by the TSCA cap or cover. • TSCA cap or cover will be periodically inspected and maintained. • Potential exposures to future construction workers will be addressed by a SMP	**Good** Alternative would provide a good level of long-term effectiveness and permanence due to the concentrations and mass of PCBs in soil that will remain on-site. • Alternative will meet RAOs. • PCB-impacted soils above the Industrial Use SCO will be removed from the Site. • Site COCs above their Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs will be contained under a cover. • Contact with or ingestion of PCB- or metals-impacted soil remaining at the Site will be minimized by the soil cover. • Potential exposures to future construction workers will be addressed by a SMP.
Magnitude and type of residual risk		Residual risk will consist of future exposure to the impacted soil which will remain on-site. Contamination remaining at the Site after RA-2 implementation includes the following: • PCB concentrations in soil greater than 25 mg/kg but less than 50 mg/kg in surface and subsurface soil beneath a TSCA cap (or two-ft cover if approved by USEPA) • Site-related metals and other COCs exceeding their Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs beneath two-ft of cover	Residual risk will consist of future exposure to the impacted soil that will remain on-site. Contamination remaining at the Site after RA-3 implementation includes the following: • PCB concentrations in soil below the Industrial Use SCO of 25 mg/kg beneath a TSCA cap (or two-ft cover if approved by USEPA) • Site-related metals and other COCs exceeding their Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs beneath TSCA cap and/or two-ft of cover
Adequacy and reliability of controls		Risks associated with the impacted soil which will remain on-site will be managed as follows: • The TSCA cap and soil cover will eliminate the risk of direct contact with or ingestion of impacted soils as well as the transport of impacted soil via stormwater. • The TSCA cap and soil cover will mitigate potential leaching of remaining COCs to groundwater. • The TSCA cap and soil cover will be periodically inspected and maintained. • The Site will be designated a Low Occupancy Area and will be restricted to industrial uses only. • Risks to future construction workers will be managed by a SMP.	Risks associated with the impacted soil which will remain on-site will be managed as follows: • The soil cover will eliminate the risk of direct contact with or ingestion of impacted soils as well as the transport of impacted soil via stormwater. • The soil cover will mitigate potential leaching of remaining COCs to groundwater. • The cover will be periodically inspected and maintained. • The Site will be designated a Low Occupancy Area and will be restricted to industrial uses only. • Risks to future construction workers will be managed by a SMP.
Reduction of Toxicity, Mobility, or Volume	**Poor**	**Fair**	**Fair**
Reduction of Toxicity, Mobility, or Volume	Alternative does not include a treatment component and does not meet the statutory preference for treatment as a principal element of a remedy.	The overall reduction of PCB and metals mobility in soil is good because the TSCA cap and soil cover will prevent the migration of impacted soil via stormwater runoff and potential leaching of COCs to groundwater. However, the toxicity and volume of impacted soil is not significantly reduced by this alternative. A significant volume of PCB-impacted soil will remain on-site providing only a minor reduction in impacted soil volume.	The overall reduction of PCB and metals mobility in impacted soil is good because the impacted soil remaining at the Site will be covered which will prevent the migration of impacted soil via stormwater runoff and potential leaching of COCs to groundwater. However, a significant volume of PCB-impacted soil will remain on-site providing only a medium reduction in impacted soil volume. .
Type and quantity of treatment residuals and associated risks		Treatment residuals will consist of future exposure to impacted soil which will remain on-site. However, risks associated with this impacted soil will be managed as follows: • The TSCA cap and soil cover will eliminate the risk of direct contact or ingestion of impacted soils as well as the transport of impacted soil via storm water. • The Site will be designated a Low Occupancy Area and will be restricted to industrial uses only. • Risks to future construction workers will be managed by a SMP. • The TSCA cap and soil cover will be periodically inspected and maintained.	Treatment residuals will consist of future exposure to impacted soil which will remain on-site. However, risks associated with this impacted soil will be managed as follows: • The soil cover will eliminate the risk of direct contact or ingestion of impacted materials as well as the transport of impacted materials via storm water. • The Site will be designated a Low Occupancy Area and will be restricted to industrial uses only. • Risks to future construction workers will be managed using an SMP by the covers. The consolidation unit will be routinely inspected and maintained.

Table 5-1
Remedial Alternatives Evaluation
Universal Waste
Utica, NY

Evaluation Criteria	Remedial Alternatives		
	RA-1: No Action	RA-2: Removal of PCBs in Soil >50 mg/kg	RA-3: Removal of PCBs in Soil >25 mg/kg (Industrial Use SCO)
Implementability	Not applicable; no actions will be taken under this alternative.	**Good**	**Good**
Technical Feasibility		This alternative is technically feasible and is a proven technology for minimizing exposure from direct contact or ingestion.	This alternative is technically feasible and is a proven technology for minimizing exposure from direct contact or ingestion.
Administrative Feasibility		The implementation of the remedy around the railroad line and the underground storm sewer line will require setbacks.	The implementation of the remedy around the railroad line and the underground storm sewer line will require setbacks.
Availability of services and materials		The materials and services needed to excavate and transport impacted soils, and construct the TSCA cap and soil cover are readily available.	The materials and services needed to excavate and transport impacted soils, and construct the soil cover are readily available.
Cost Effectiveness	$0 **Good**	$13,300,000 **Fair**	$14,200,000 **Fair**
Land Use	Not Applicable	Deed restricted and zoned Industrial	Deed restricted and zoned Industrial
Community Acceptance	Not likely acceptable	Not likely acceptable	Likely acceptable

Table 5-1
Remedial Alternatives Evaluation
Universal Waste
Utica, NY

Evaluation Criteria	Remedial Alternatives		
	RA-4: Removal of PCB in Surface Soil (0-1 ft bgs) >1 mg/kg and Subsurface Soil (>1 ft bgs) >10 mg/kg (CP-51 Commercial Use SCOs)	**RA-5: Removal of PCBs in Soil >1 mg/kg (Residential/Commercial Use SCO)**	**RA-6: Removal of PCBs in Soil >0.1 mg/kg (Unrestricted SCO)**
Remedial Alternative Description	Removal of PCBs in soil exceeding the CP-51 Commercial Use criteria and containment of Site COCs remaining after excavation exceeding their respective Commercial Use SCOs and/or ESCOs. • Approximately **64,000 CY** of surface soils (0-1 ft bgs) with PCB concentrations greater than 1 mg/kg and subsurface soils (>1 ft bgs) with PCB concentrations greater than 10 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface. • A TSCA cap (or two-ft cover if approved by USEPA) will be installed where subsurface soils remain with PCBs concentrations greater than 1 mg/kg but less than 10 mg/kg. • No additional remediation is required to address metals or ecological risk as the proposed TSCA cap (or two-ft cover if approved by USEPA) will cover areas where Site COCs may remain above their respective Commercial Use SCOs and/or ESCOs. • Impacted slabs and/or slabs in poor condition will be demolished. • LNAPL impacted soils will be removed and disposed of off-site. • Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill. • ICs will be part of the final remedy, which include a deed restriction and a SMP. Potential uses for the Site include industrial activities and select commercial activities requiring a special permit under the current Industrial Zoning.	Removal of PCBs in soil exceeding its Residential and Commercial Use SCO and containment of Site COCs remaining after excavation exceeding their respective Residential Use SCOs and/or ESCOs. • Approximately **154,000 CY** of surface and subsurface soils with PCB concentrations greater than the Residential and Commercial Use SCO of 1 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface. • No additional remediation is required to address metals or ecological risk. • Impacted slabs and/or slabs in poor condition will be demolished and disposed of off-site. • LNAPL-impacted soils will be removed and disposed of off-site. • Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill. • ICs will be part of the final remedy, which include a deed restriction and a SMP. Potential uses for the Site include industrial activities and select commercial activities requiring a special permit under the current Industrial Zoning. Residential activities are not allowed under the current Site zoning.	Removal of PCBs in soil to its Unrestricted Use SCO. • Approximately **227,500 CY** of surface and subsurface soils with PCB concentrations greater than the Unrestricted Use SCO of 0.1 mg/kg will be removed and disposed of off-site along with other collocated COCs. • No additional remediation is required to address other COCs or ecological risk as all COCs will be removed to below the Unrestricted Use SCOs. • Impacted slabs and/or slabs in poor condition will be demolished. • LNAPL-impacted soils will be removed and disposed of off-site. • Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA-approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill. • No ICs are required for this alternative. Potential use of the Site is only restricted by the City of Utica zoning ordinance which currently only allows for industrial activities and select commercial activities requiring a special permit.
Conformance with SCGs (Poor, Fair, Good)	**Good** PCB-impacted soil above the CP-51 Commercial Use SCOs (chemical-specific SCGs) will be removed from the Site which will comply with the chemical-specific SCGs. All PCB- or metals-impacted surface soil exceeding ESCOs will be removed from the Site. Only a small volume of metals-impacted subsurface soils exceeding their Commercial Use SCOs will remain on-site and will either covered with the TSCA cap.	**Good** PCB-impacted soil above the CP-51 Commercial Use SCOs (chemical-specific SCGs) will be removed from the Site which will comply with the chemical-specific SCGs. All PCB- or metals-impacted surface soil exceeding ESCOs will be removed from the Site. Only a small volume of metals-impacted subsurface soils exceeding their Commercial Use SCOs will remain on-site and will either covered with the TSCA cap.	**Good** PCB-impacted soil above the CP-51 Commercial Use SCOs (chemical-specific SCGs) will be removed from the Site which will comply with the chemical-specific SCGs. All PCB- or metals-impacted surface soil exceeding ESCOs will be removed from the Site. Only a small volume of metals-impacted subsurface soils exceeding their Commercial Use SCOs will remain on-site and will either covered with the TSCA cap.
Overall Protectiveness of the Public Health and the Environment (Poor, Fair, Good)	**Good** Alternative will provide protection for human health and the environment. • RAOs will be achieved. • Human health and ecological risks associated with impacted soil will be reduced or eliminated through excavation and containment.	**Good** Alternative will provide protection for human health and the environment • RAOs for soil would be achieved • Human health and ecological risks associated with impacted soil would be reduced or eliminated	**Good** Alternative will provide protection for human health and the environment • RAOs for soil would be achieved • Human health and ecological risks associated with impacted soil would be reduced or eliminated
Short-term Impact and Effectiveness	**Fair** Potential risks and environmental impacts associated with this alternative are few.	**Poor** Potential risks and environmental impacts associated with this alternative are few. However, those risks will extend over two construction seasons.	**Poor** Potential risks and environmental impacts associated with this alternative are few. However, those risks will extend over three construction seasons.

Table 5-1
Remedial Alternatives Evaluation
Universal Waste
Utica, NY

Evaluation Criteria	Remedial Alternatives		
	RA-4: Removal of PCB in Surface Soil (0-1 ft bgs) >1 mg/kg and Subsurface Soil (>1 ft bgs) >10 mg/kg (CP-51 Commercial Use SCOs)	**RA-5: Removal of PCBs in Soil >1 mg/kg (Residential/Commercial Use SCO)**	**RA-6: Removal of PCBs in Soil >0.1 mg/kg (Unrestricted SCO)**
Risks to community, workers, and associated controls	Potential risks to the community would include increased levels of noise, dust, and traffic. Engineering controls and BMPs can mitigate potential risks: • Access to the active work and support zones will be prohibited. • Dust and noise levels will be monitored. Potential risks to workers include physical hazards associated with general construction, potential exposure to and direct contact with impacted soil, noise, and dust. These would be mitigated through: • Engineering controls and BMPs • Compliance with appropriate health and safety plans and SMP • Use of appropriate PPE	Potential risks to the community would include increased levels of noise, dust, and traffic. Engineering controls and BMPs can mitigate potential risks: • Access to the active work and support zones will be prohibited. • Dust and noise levels will be monitored. Potential risks to workers include physical hazards associated with general construction, potential exposure to and direct contact with impacted soil, noise, and dust. These would be mitigated through: • Engineering controls and BMPs • Compliance with appropriate health and safety plans and SMP • Use of appropriate PPE	Potential risks to the community would include increased levels of noise, dust, and traffic. Engineering controls and BMPs can mitigate potential risks: • Access to the active work and support zones will be prohibited. • Dust and noise levels will be monitored. Potential risks to workers include physical hazards associated with general construction, potential exposure to and direct contact with impacted soil, noise, and dust. These would be mitigated through: • Engineering controls and BMPs • Compliance with appropriate health and safety plans and SMP • Use of appropriate PPE
Environmental impacts of remedy and controls	Short-term environmental effects during implementation may include the potential transport of impacted soil via stormwater. Example control measures to mitigate these impacts include the following: • Erosion/stormwater controls will be established prior to commencing with construction activities. • The duration of these potential releases will only occur during a rain event. Traffic resulting from the transportation of approximately 27,500 CY of hazardous soil and 36,500 CY of non-hazardous soil for off-site disposal, 41,700 CY of clean backfill, and 55,500 CY of cap/cover material will involve the use of approximately 10,266 roundtrip truckloads through the community and increase the potential for road accidents in the narrow roads and streets around the area. Further, many of the land use abutting the Site and surrounding the County's highways are sensitive to high volumes of traffic with noise, odor, dust, and exhaust emissions from heavy traffic likely to pose concerns for the community. In addition, the following concerns are applicable: • Increased potential for spills and releases of contaminated soil on public roads and within the residential community. • Throughout Onedia and Herkimer Counties, physical constraints or impediments exist on County and State highways that hinder the flow of traffic, especially truck traffic. These include steep grades, aging or low bridges, awkward intersection geometry, and narrow or curving roadways. • Wear and tear to the local road system due to 10,266 roundtrip truckloads of soil sent off-site for disposal and backfill/cover material brought to Site. • Generation of about 3,924 metric tons of carbon dioxide (CO_2) associated with combustion of approximately 189,416 gallons of diesel fuel. Greenhouse gas emissions calculations are provided in **Appendix J.**	Short-term environmental effects during implementation may include the potential transport of impacted soil via stormwater. Example control measures to mitigate these impacts include the following: • Erosion/stormwater controls will be established prior to commencing with construction activities. • The duration of these potential releases will only occur during a rain event. Traffic resulting from the transportation of approximately 27,500 CY of hazardous soil and 126,500 CY of non-hazardous soil for off-site disposal, 178,700 CY of clean backfill, and 8,700 CY of cover material will involve approximately 24,134 roundtrip truckloads through the community and increase the potential for road accidents in the narrow roads and streets around the area. Further, many of the land use abutting the Site and surrounding the County's highways are sensitive to high volumes of traffic with noise, odor, dust, and exhaust emissions from heavy traffic likely to pose concerns for the community. In addition, the following concerns are applicable: • Increased potential for spills and releases of contaminated soil on public roads and within the residential community. • Throughout Onedia and Herkimer Counties, physical constraints or impediments exist on County and State highways that hinder the flow of traffic, especially truck traffic. These include steep grades, aging or low bridges, awkward intersection geometry, and narrow or curving roadways. • Wear and tear to the local road system due to 24,134 roundtrip truckloads of soil sent off-site for disposal and backfill/cover material brought to Site. • Generation of nearly 7,903 metric tons of carbon dioxide (CO_2) associated with combustion of approximately 355,322 gallons of diesel fuel. Greenhouse gas emissions calculations are provided in **Appendix J.**	Short-term environmental effects during implementation may include the potential transport of impacted soil via stormwater. Example control measures to mitigate these impacts include the following: • Erosion/stormwater controls will be established prior to commencing with construction activities. • The duration of these potential releases will only occur during a rain event. Traffic resulting from the transportation of approximately 27,500 CY of hazardous soil and 200,000 CY of non-hazardous soil for off-site disposal, 267,200 CY of clean backfill, and 8,700 CY of cover material will involve approximately 36,620 roundtrip truckloads through the community and increase the potential for road accidents in the narrow roads and streets around the area. Further, many of the land use abutting the Site and surrounding the County's highways are sensitive to high volumes of traffic with noise, odor, dust, and exhaust emissions from heavy traffic likely to pose concerns for the community. In addition, the following concerns are applicable: • Increased potential for spills and releases of contaminated soil on public roads and within the residential community. • Throughout Onedia and Herkimer Counties, physical constraints or impediments exist on County and State highways that hinder the flow of traffic, especially truck traffic. These include steep grades, aging or low bridges, awkward intersection geometry, and narrow or curving roadways. • Wear and tear to the local road system due to 36,620 roundtrip truckloads of soil sent off-site for disposal and backfill/cover material brought to Site. • Generation of nearly 11,348 metric tons of carbon dioxide (CO_2) associated with combustion of approximately 500,700 gallons of diesel fuel. Greenhouse gas emissions calculations are provided in **Appendix J.**
Duration of short-term risks	The duration of the short-term risks will be the time required for excavation, backfilling, and capping activities, which is estimated to be approximately 151 days.	The duration of the short-term risks will be the time required for excavation, backfilling, and capping activities, which is estimated to be approximately 271 days (or two construction seasons).	The duration of the short-term risks will be the time required for excavation, backfilling, and capping activities, which is estimated to be approximately 394 days (or three construction seasons).

Table 5-1
Remedial Alternatives Evaluation
Universal Waste
Utica, NY

Evaluation Criteria	Remedial Alternatives		
	RA-4: Removal of PCB in Surface Soil (0-1 ft bgs) >1 mg/kg and Subsurface Soil (>1 ft bgs) >10 mg/kg (CP-51 Commercial Use SCOs)	**RA-5: Removal of PCBs in Soil >1 mg/kg (Residential/Commercial Use SCO)**	**RA-6: Removal of PCBs in Soil >0.1 mg/kg (Unrestricted SCO)**
Long-term Effectiveness and Permanence	Good Alternative will provide a good level of long-term effectiveness and permanence. • Alternative will meet RAOs. • All soils with PCBs > CP-51 Commercial SCOs will be removed from the Site. • Contact with or ingestion of PCB- or COC-impacted soil remaining at the Site will be minimized by the soil cover. • Potential exposures to future construction workers will be addressed by a SMP.	Good Alternative will provide a good level of long-term effectiveness and permanence. • Alternative will meet RAOs. • All soils with PCBs > 1 mg/kg will be removed from the Site. • Contact with COCs in soil remaining at the Site will be minimized by the soil cover. • Potential exposures to future construction workers will be addressed by a SMP.	Good Alternative will provide a good level of long-term effectiveness and permanence. • Alternative will meet RAOs. • All soils with PCBs > 0.1 mg/kg will be removed from the Site. • No potential for future occupant/worker exposure.
Magnitude and type of residual risk	Residual risk will consist of future exposure to the impacted soil which will remain on-site. Contamination remaining at the Site after RA-4 implementation includes the following: • PCB concentrations subsurface soil (greater than 1 ft bgs) above the CP-51 standard of 1 mg/kg but less than 10 mg/kg **beneath a TSCA cap (or two-ft cover if approved by USEPA)** • Site-related metals and other COCs exceeding their Commercial Use SCOs and ESCOs **beneath TSCA cap and/or two-ft of cover**	No residual risk will remain other than limited areas of metals and potentially other COCs exceeding the Residential Use SCOs and/or ESCOs beneath **two-ft of cover**.	No residual risk will remain.
Adequacy and reliability of controls	Risks associated with the impacted soil which will remain on-site will be managed as follows: • The TSCA cap will eliminate the risk of direct contact with or ingestion of impacted soils as well as the transport of impacted soil via stormwater. • The TSCA cap and soil cover will be periodically inspected and maintained. • The Site will be designated a High Occupancy Area and will be restricted to commercial and/or industrial uses only. • Risks to future construction workers will be managed by a SMP.	No PCB-impacted soil will remain on-site. Any metals-impacted soils remaining on-site will be managed as follows: • The backfill material will eliminate the risk of direct contact with or ingestion of impacted subsurface soils as well as the transport of impacted soil via stormwater. • The Site will be designated a High Occupancy Area and allowing for residential, commercial and/or industrial uses only as allowed by current or future property zoning. • Risks to future construction workers will be managed by a SMP.	No PCB-impacted soil will remain on-site. Any metals-impacted soils remaining on-site will be managed as follows: • The backfill material will eliminate the risk of direct contact with or ingestion of impacted subsurface soils as well as the transport of impacted soil via stormwater. • The Site will be designated a High Occupancy Area and allowing for residential, commercial and/or industrial uses only as allowed by current or future property zoning. • Risks to future construction workers will be managed by a SMP.
Reduction of Toxicity, Mobility, or Volume	Good	Good	Good
Reduction of Toxicity, Mobility, or Volume	The overall reduction of PCB and metals mobility in soil is good because about 64,000 CY of PCB- and metals-impacted soil will be removed from the Site. The TSCA cap will prevent the migration of impacted soil via stormwater runoff.	The overall reduction of PCB and metals mobility in soil is good because about 154,000 CY of PCB- and metals-impacted soil will be removed from the Site. The TSCA cap will prevent the migration of impacted soil via stormwater runoff. .	The overall reduction of PCB and metals mobility in soil is good because about 227,500 CY of PCB- and metals-impacted soil will be removed from the Site. The TSCA cap will prevent the migration of impacted soil via stormwater runoff.
Type and quantity of treatment residuals and associated risks	Treatment residuals will consist of future exposure to impacted soil which will remain on-site. However, risks associated with this impacted soil will be managed as follows: • The TSCA cap will eliminate the risk of direct contact with or ingestion of impacted soils as well as the transport of impacted soil via stormwater. • The TSCA cap and soil cover will be periodically inspected and maintained. • The Site will be designated a High Occupancy Area and will be restricted to commercial and/or industrial uses only. • Risks to future construction workers will be managed by a SMP.	No PCB-impacted soil will remain on-site Treatment residuals will consist of future exposure to any metals-impacted soil which remains on-site. The risks associated with this impacted soil will be managed as follows: • The backfill material will eliminate the risk of direct contact with or ingestion of impacted subsurface soils as well as the transport of impacted soil via stormwater. • The Site will be designated a High Occupancy Area and allowing for residential, commercial and/or industrial uses only as allowed by current or future property zoning. • Risks to future construction workers will be managed by a SMP. •	No PCB-impacted soil will remain on-site Treatment residuals will consist of future exposure to any metals-impacted soil which remains on-site. The risks associated with this impacted soil will be managed as follows: • The backfill material will eliminate the risk of direct contact with or ingestion of impacted subsurface soils as well as the transport of impacted soil via stormwater. • The Site will be designated a High Occupancy Area and allowing for residential, commercial and/or industrial uses only as allowed by current or future property zoning. • Risks to future construction workers will be managed by a SMP. •

Table 5-1
Remedial Alternatives Evaluation
Universal Waste
Utica, NY

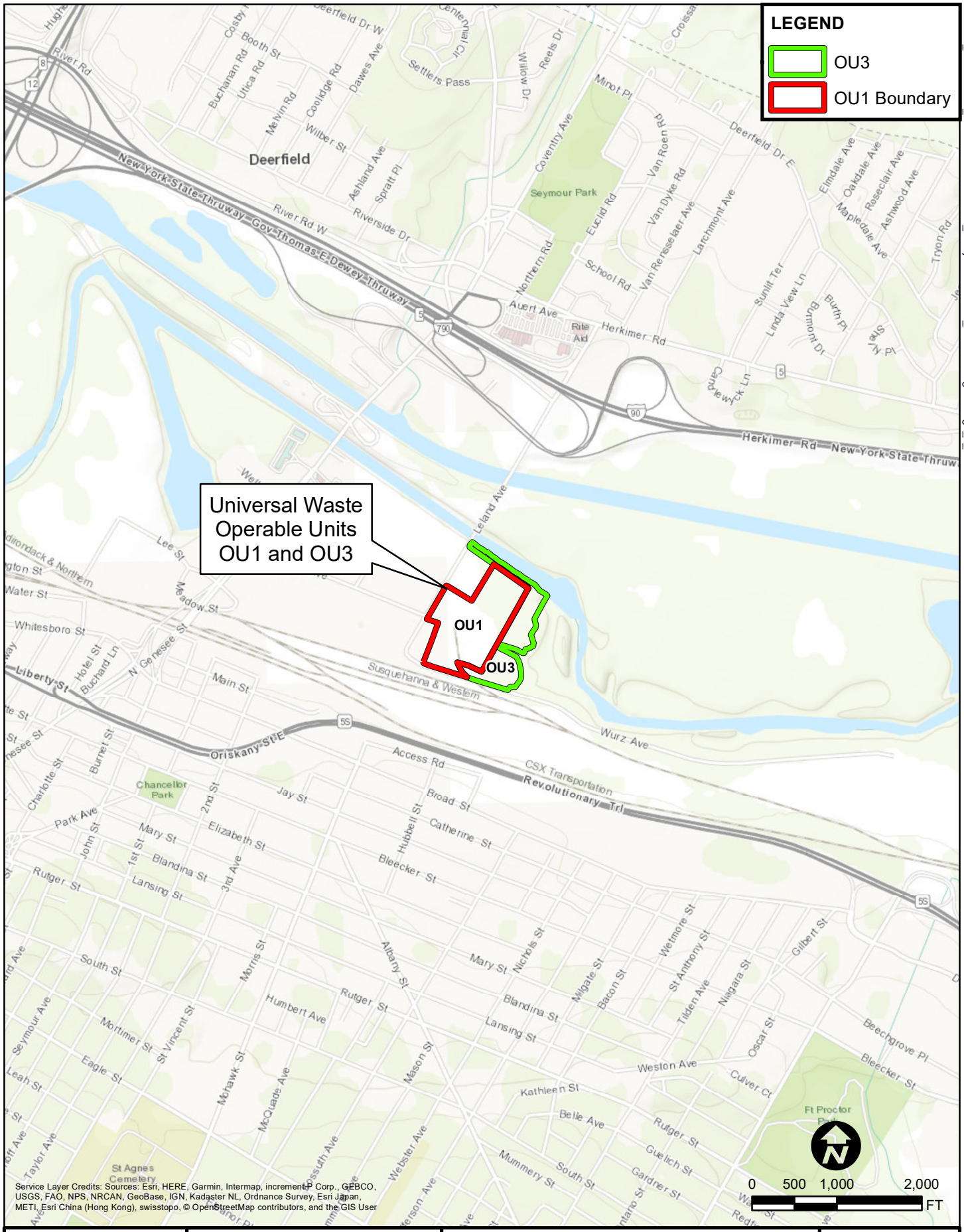
Evaluation Criteria	Remedial Alternatives		
	RA-4: Removal of PCB in Surface Soil (0-1 ft bgs) >1 mg/kg and Subsurface Soil (>1 ft bgs) >10 mg/kg (CP-51 Commercial Use SCOs)	RA-5: Removal of PCBs in Soil >1 mg/kg (Residential/Commercial Use SCO)	RA-6: Removal of PCBs in Soil >0.1 mg/kg (Unrestricted SCO)
Implementability	Good	Good	Good
Technical Feasibility	This alternative is technically feasible and is a proven technology for minimizing exposure from direct contact or ingestion.	This alternative is technically feasible and is a proven technology for minimizing exposure from direct contact or ingestion.	This alternative is technically feasible and is a proven technology for minimizing exposure from direct contact or ingestion.
Administrative Feasibility	The implementation of the remedy around the railroad line and the underground storm sewer line will require setbacks.	The implementation of the remedy around the railroad line and the underground storm sewer line will require setbacks.	The implementation of the remedy around the railroad line and the underground storm sewer line will require setbacks.
Availability of services and materials	The materials and services needed to excavate and transport impacted soils, and construct the TSCA cap are readily available.	The materials and services needed to excavate and transport impacted soils are readily available.	The materials and services needed to excavate and transport impacted soils are readily available.
Cost Effectiveness	Fair $21,400,000	Poor $37,000,000	Poor $52,200,000
Land Use	Commercial; however, property is zoned for industrial use with only special-permitted commercial uses	Residential and commercial; however, property is zoned for industrial use with only special-permitted commercial uses	Unrestricted; however, property is zoned for industrial use with only special-permitted commercial uses
Community Acceptance	Likely Acceptable	Likely Acceptable	Likely Acceptable

Notes:
BMP = Best Management Practices
NYSDEC = New York State Department of Environmental Conservation
RAO = Remedial Action Objective
SCG = Standards, Criteria, and Guidance
SCO = Soil Cleanup Objective
SMP = Site Management Plan

Table 5-2
Remedial Alternatives Evaluation Summary
Universal Waste
Utica, NY

Remedial Alternative	Threshold Criteria		Primary Balancing Criteria						Retained? (Yes/No)
	Protective of Human Health and Environment (Poor, Fair, Good)	Compliance with SCGs (Poor, Fair, Good)	Long-Term Effectiveness and Permanence (Poor, Fair, Good)	Reduction of Toxicity, Mobility, or Volume (Poor, Fair, Good)	Short-Term Impact and Effectiveness (Poor, Fair, Good)	Implementability (Poor, Fair, Good)	Cost-Effectiveness (Good, Fair, Poor)	Future Land Use	
RA-1: No Further Action	Poor	Poor	Poor	Poor	Good	Not Applicable	Good $0	None	No
RA-2: Removal of PCBs in Soil >50 mg/kg	Fair	Poor	Fair	Fair	Good	Good	Fair $13,300,000	Industrial Use	No
RA-3: Removal of PCBs in Soil > 25 mg/kg (Industrial Use SCO)	Good	Good	Good	Fair	Good	Good	Fair $14,200,000	Industrial Use	Yes RA-3 provides a similar level of protection as RA-4 with a reduced price. This alternative also complies with NYSDEC's Green Remediation initiative by minimizing truck traffic and greenhouse gas emissions.
RA-4: Removal of PCB in Surface Soil (0-1 ft bgs) >1 mg/kg and Subsurface Soil (>1 ft bgs) >10 mg/kg (CP-51 Commercial Use SCOs)	Good	Good	Good	Good	Fair	Good	Fair $21,400,000	Commercial & Industrial Use	No The additional $5,800,000 cost to remediate to the commercial standards outweighs the net benefits of this approach. Current industrial zoning of the property does allow for special permitted commercial uses; however, the cleanup of the property to Commercial Use SCOs rather than the Industrial Use SCOs will not increase the value of the property for resale purposes based on recent discussions with real estate brokers.
RA-5: Removal of PCBs in Soil > 1 mg/kg (Residential/Commercial Use SCO)	Good	Good	Good	Good	Poor	Good	Poor $37,000,000	Residential, Commercial & Industrial Use	No Cost outweighs the net benefits of this approach. Property is currently zoned Industial which does not allow for unrestricted use.
RA-6: Removal to PCBs in Soil > 0.1 mg/kg (Unrestricted Use SCO)	Good	Good	Good	Good	Poor	Good	Poor $52,200,000	No restrictions on Use	No Cost outweighs the net benefits of this approach. Property is currently zoned Industial which does not allow for unrestricted use.

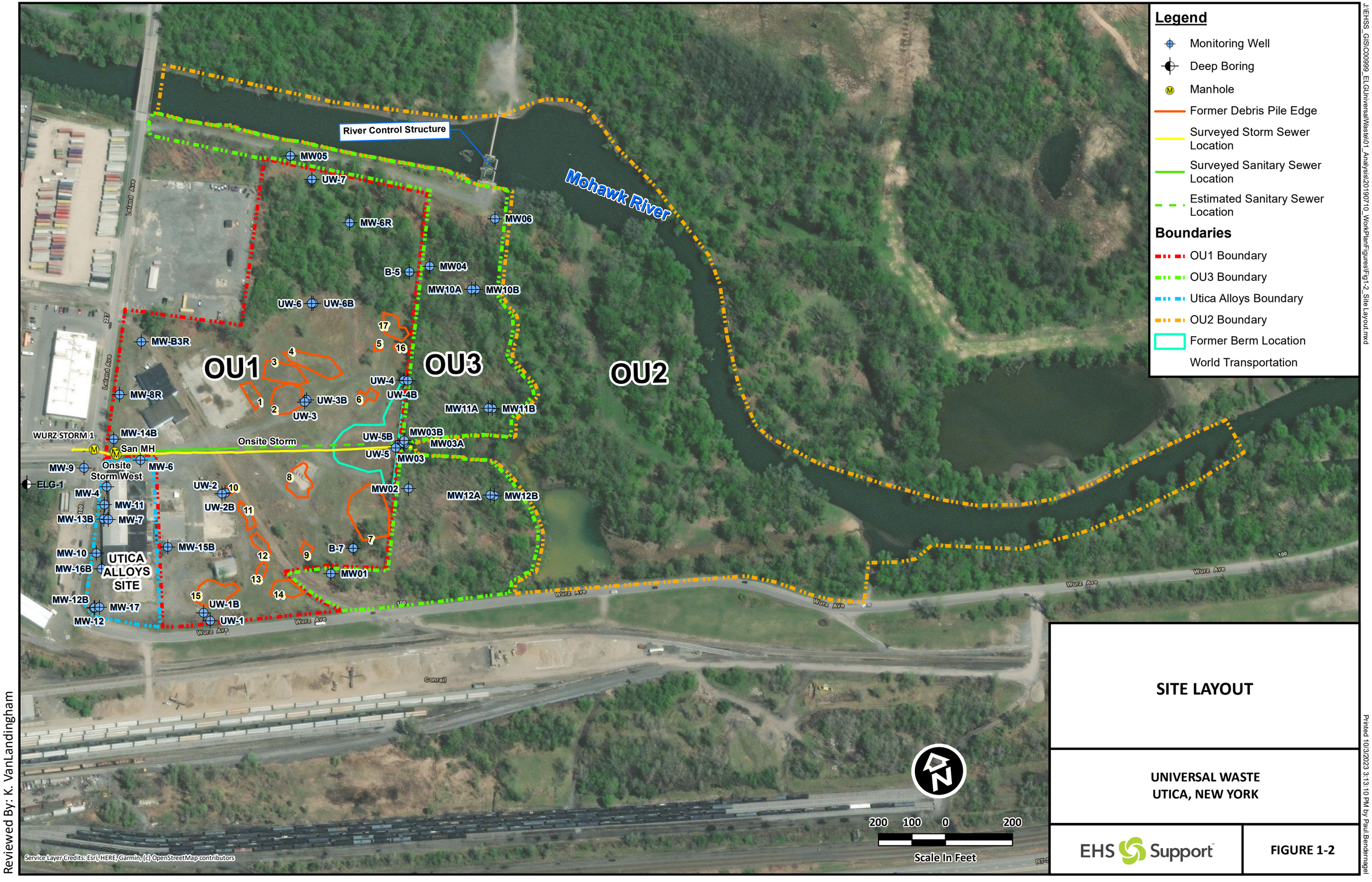
Figures



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EHS Support	UNIVERSAL WASTE UTICA, NEW YORK	SITE LOCATION	FIGURE 1-1



SITE LAYOUT

UNIVERSAL WASTE
UTICA, NEW YORK

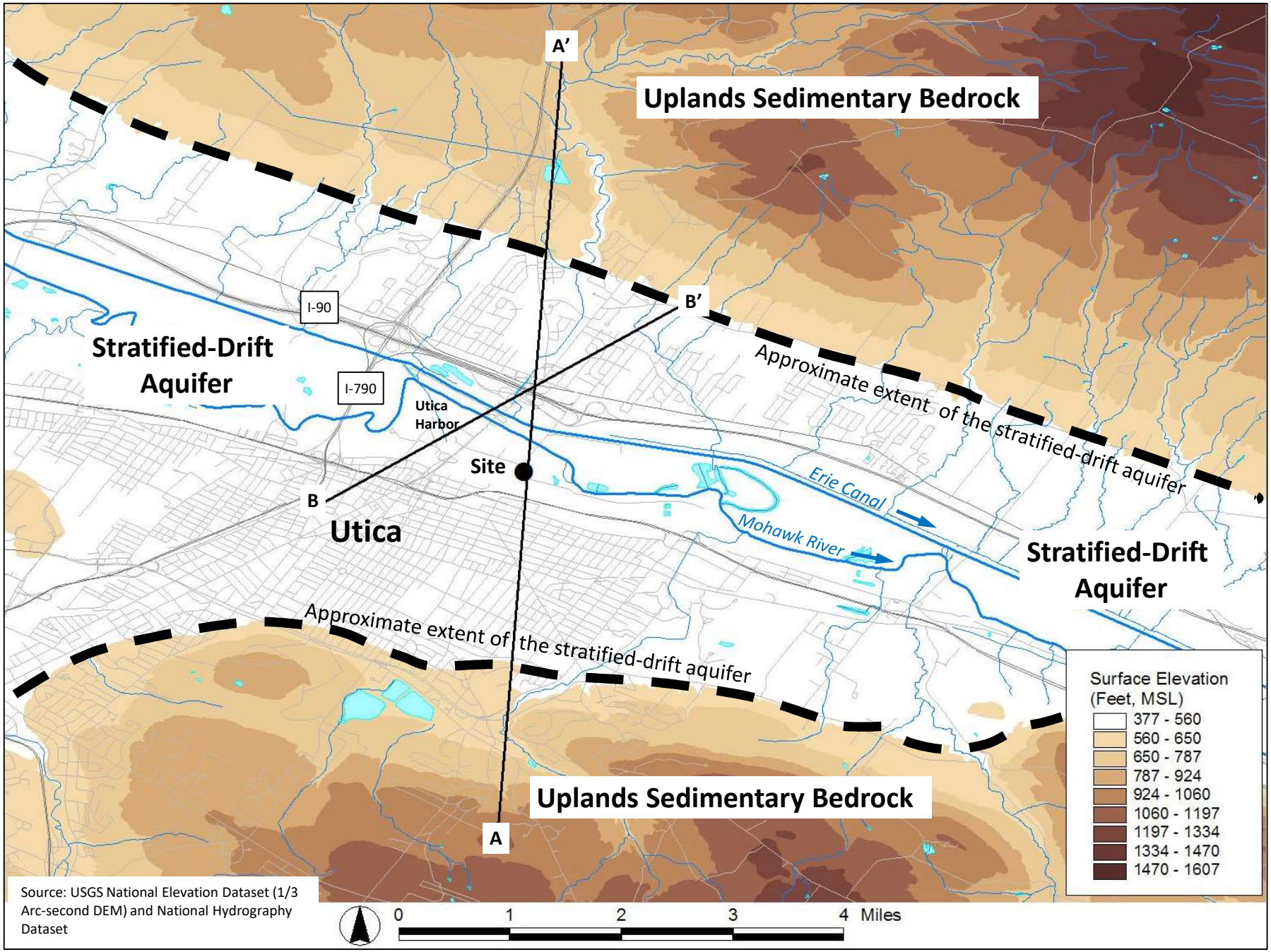
EHS Support

FIGURE 1-2

Reviewed By: K. VanLandingham

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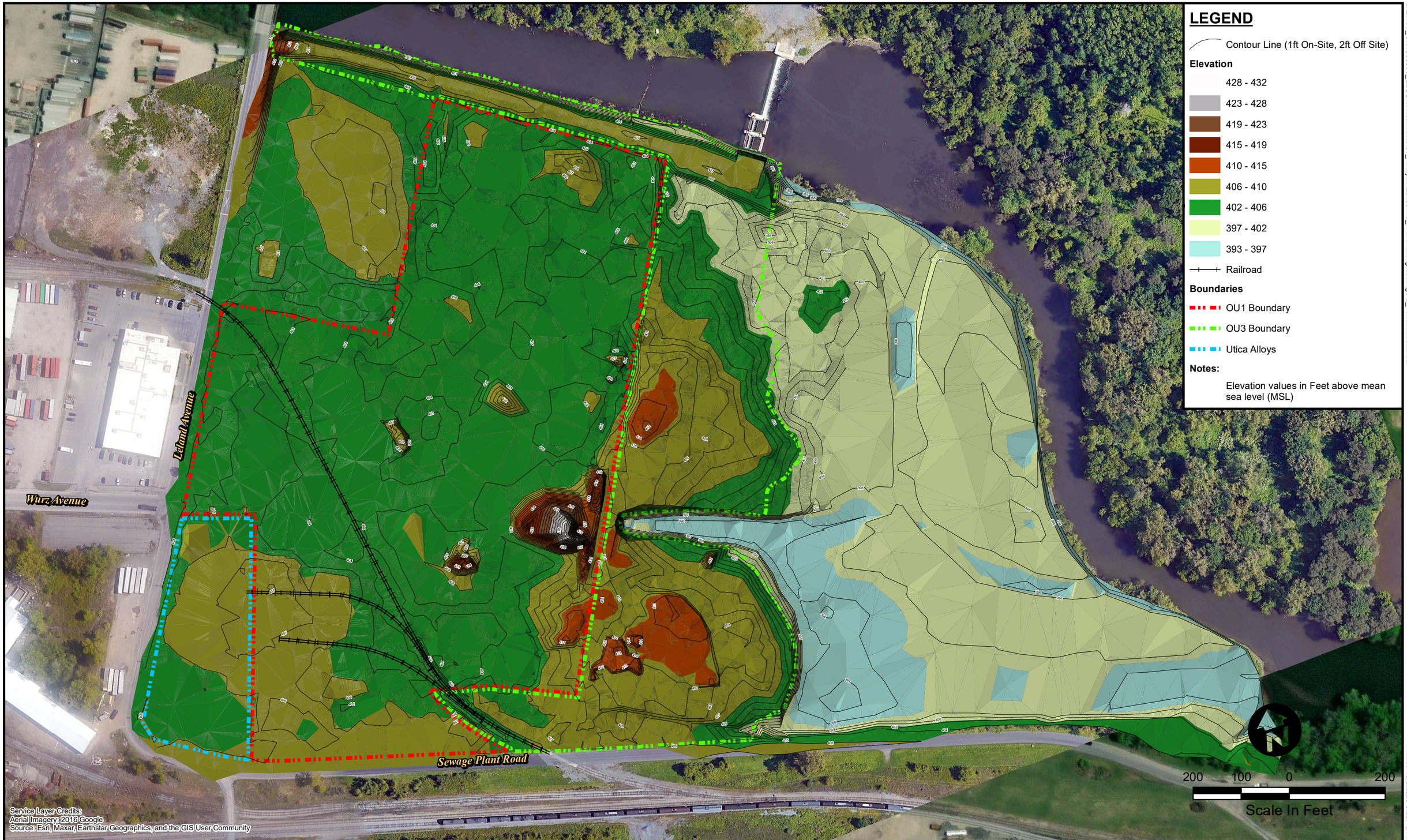


UNIVERSAL WASTE
UTICA, NY

EHS Support August, 2011

SITE LOCATION IN THE MOHAWK RIVER VALLEY OF THE APPALACHIAN PLATEAU PROVINCE

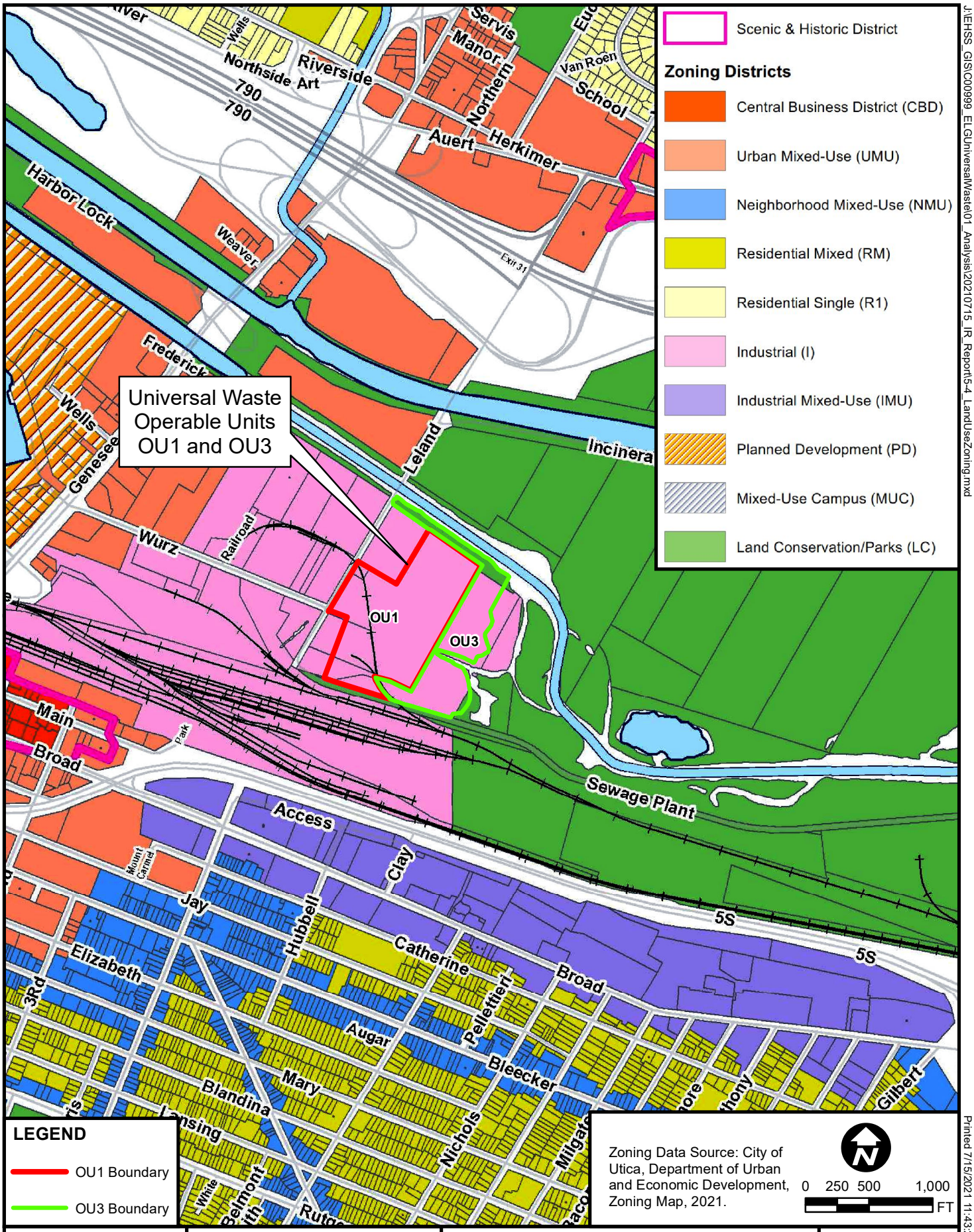
FIGURE
2-1



EHS Support	UNIVERSAL WASTE UTICA, NEW YORK	TERRAIN MODEL (PRIOR TO DEBRIS PILE/BERM REMOVAL)	FIGURE 2-2

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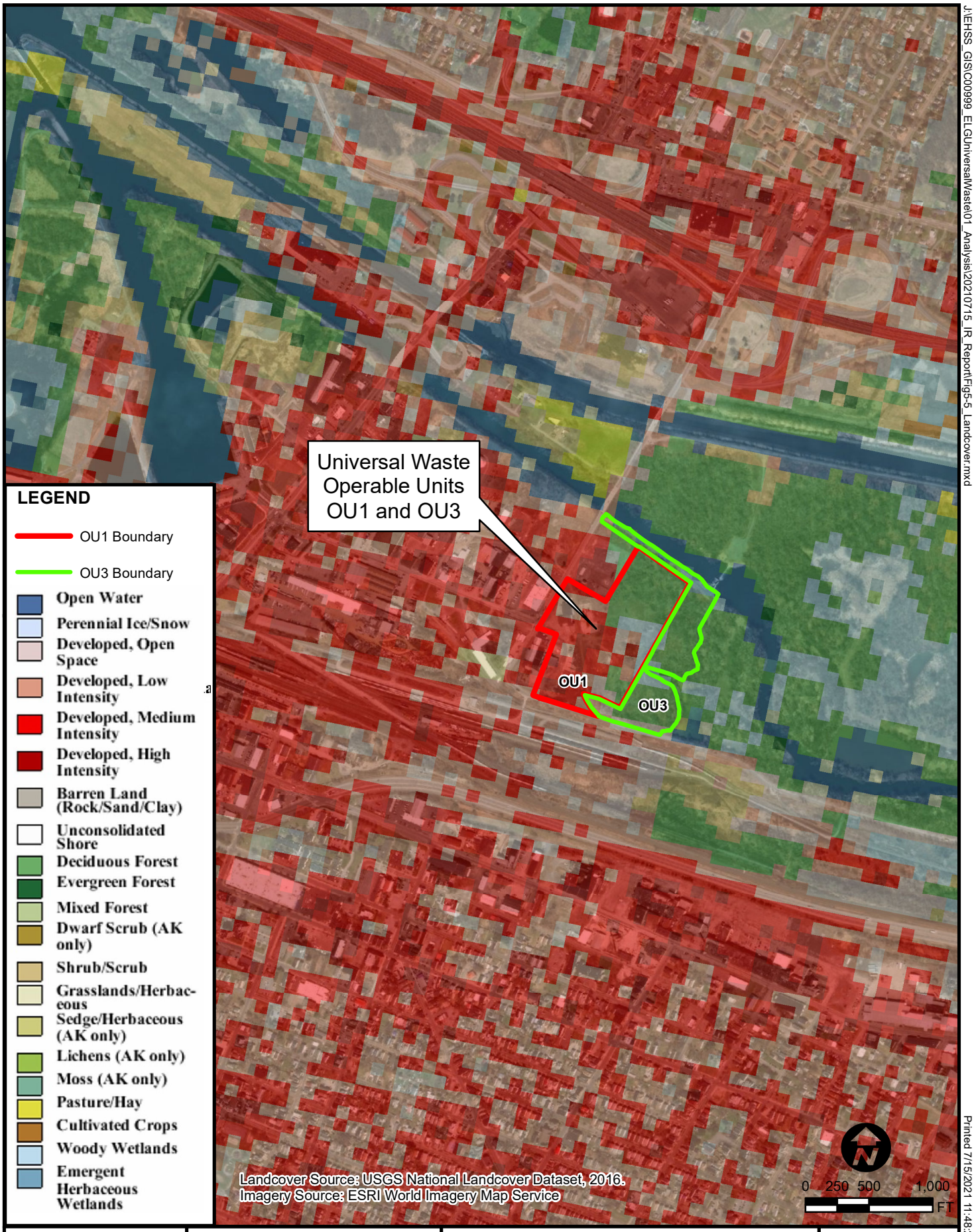
UNIVERSAL WASTE
UTICA, NEW YORK

LAND USE / ZONING

FIGURE 2-4

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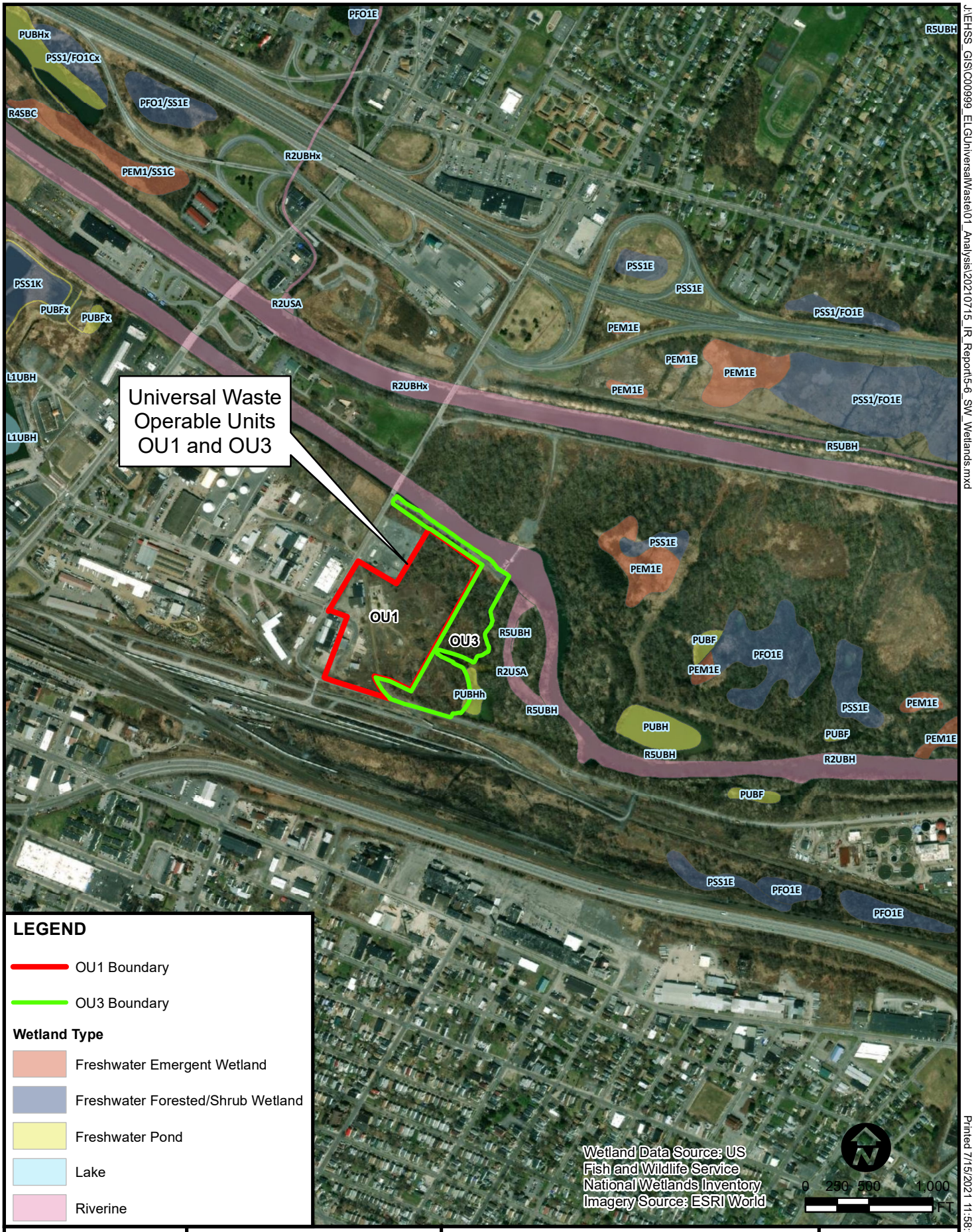
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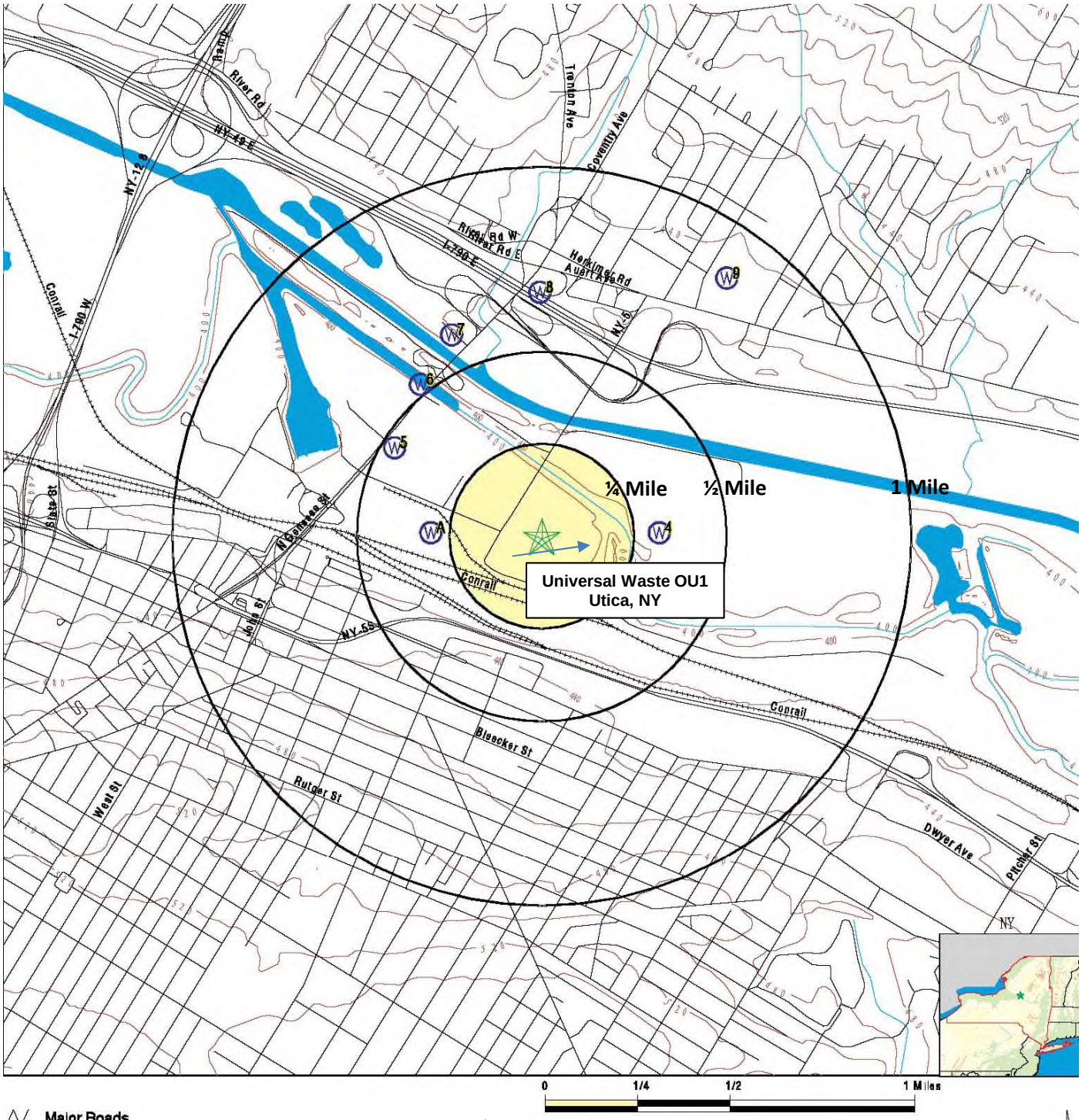
EHS Support	UNIVERSAL WASTE UTICA, NEW YORK	LAND COVER TYPES	FIGURE 2-5



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EHS Support	UNIVERSAL WASTE UTICA, NEW YORK	SURFACE WATER FEATURES AND WETLANDS	FIGURE 2-6



Major Roads

Contour Lines

Water Wells

Public Water Supply Wells

Groundwater Flow Direction

Notes:

1. All wells shown are United States Geological Society (USGS) New York Water Science Center wells.
2. No public water supply wells are located within a 1-mile radius of the Site.

Source: EDR, June 9, 2020

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

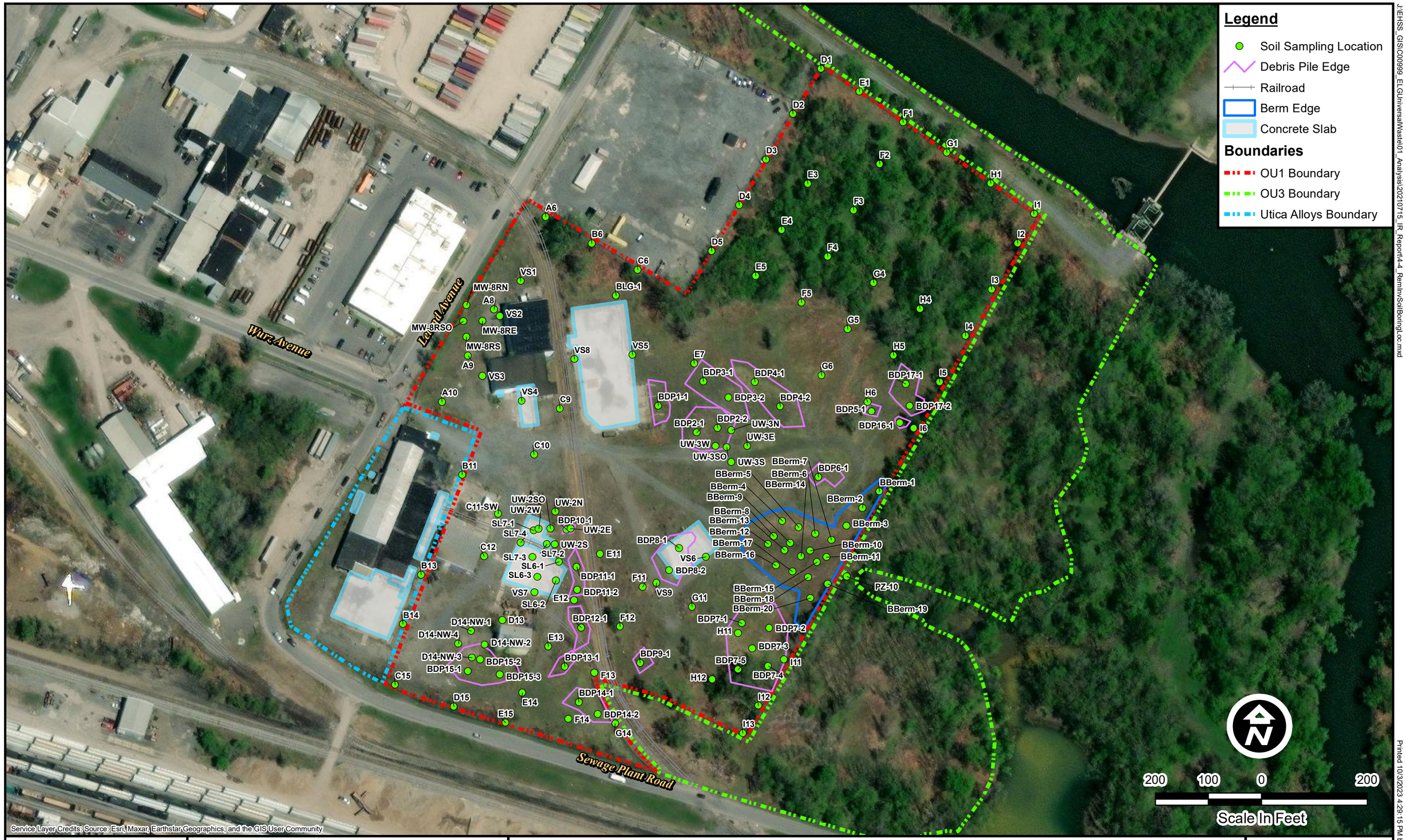
FIGURE 2-7
WATER WELL LOCATIONS



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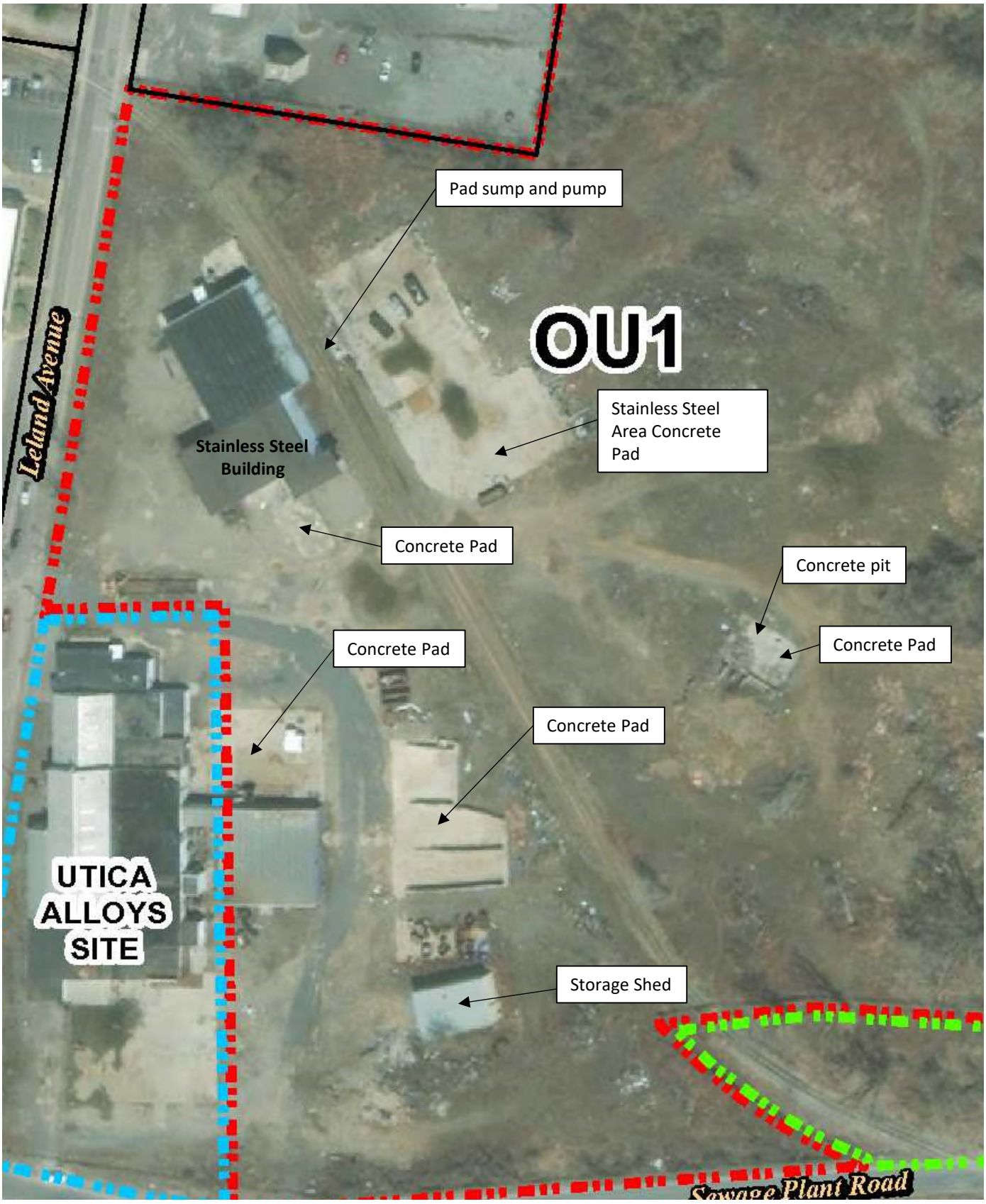
EHS Support	UNIVERSAL WASTE UTICA, NEW YORK	LOSRI SOIL BORING LOCATIONS	FIGURE 2-8



EHS Support	UNIVERSAL WASTE UTICA, NEW YORK	OU1 REMEDIAL INVESTIGATION SOIL BORING LOCATIONS	FIGURE 2-9

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EHS Support	UNIVERSAL WASTE UTICA, NEW YORK	FIGURE 2-11 SLABS AND PITS

Appendix A Soil Quality Figures



LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Surface Standard of 1 mg/kg (CP-51)
- Exceeds the Surface Standard of 1 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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N

0 110 220 330 440
Feet

FIGURE O-1
Total PCBs in Surface Soil
(0-2")

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LEGEND

95 Total PCB Concentration (mg/kg)

- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Surface Standard of 1 mg/kg (CP-51)
- Exceeds the Surface Standard of 1 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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FIGURE O-2
Total PCBs in Surface Soil (2"-1')

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LEGEND

95 Total PCB Concentration (mg/kg)

Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting

Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)

Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)

Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg

Exceeds 50 mg/kg

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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Feet

FIGURE O-3
Total PCBs in Subsurface Soil
(1'-2')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
- Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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0 110 220 330 440
Feet

FIGURE O-4
Total PCBs in Subsurface Soil
(2'-4')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
- Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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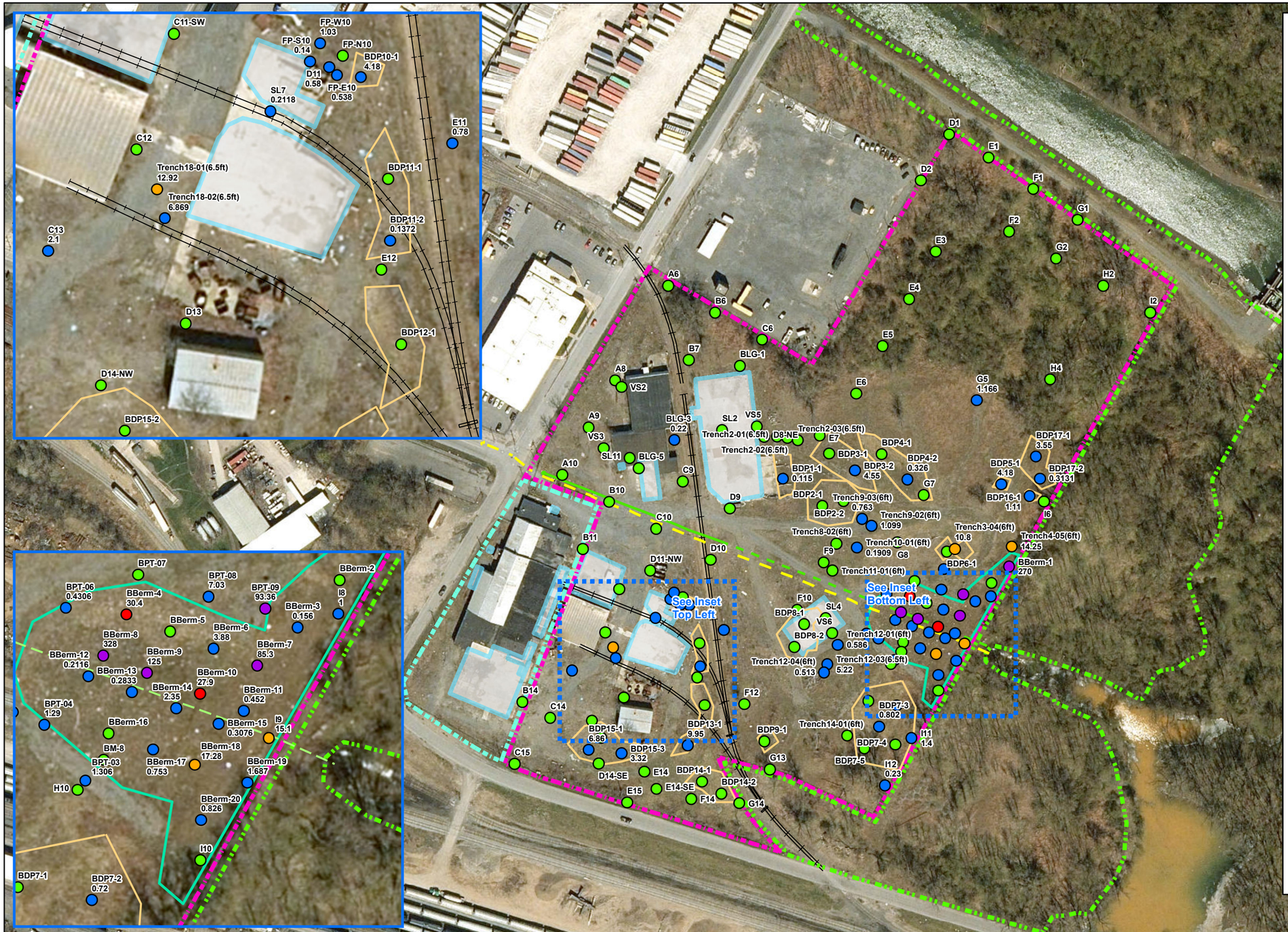
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FIGURE O-5
Total PCBs in Subsurface Soil
(4'-6')

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Feet

FIGURE O-6
Total PCBs in Subsurface Soil
(6'-8')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
- Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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0 110 220 330 440
Feet

FIGURE O-7
Total PCBs in Subsurface Soil
(8'-10')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
- Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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0 110 220 330 440
Feet

FIGURE O-8
Total PCBs in Subsurface Soil (10'-12')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
- Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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0 110 220 330 440
Feet

FIGURE O-9
Total PCBs in Subsurface Soil
(12'-14')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
- Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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0 110 220 330 440
Feet

FIGURE O-10
Total PCBs in Subsurface Soil (14'-16')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
- Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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0 110 220 330 440
Feet

FIGURE O-11
Total PCBs in Subsurface Soil (16'-18')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting
- Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
- Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
- Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
- Exceeds 50 mg/kg
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

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Feet

FIGURE O-12
Total PCBs in Subsurface Soil (18'-20')

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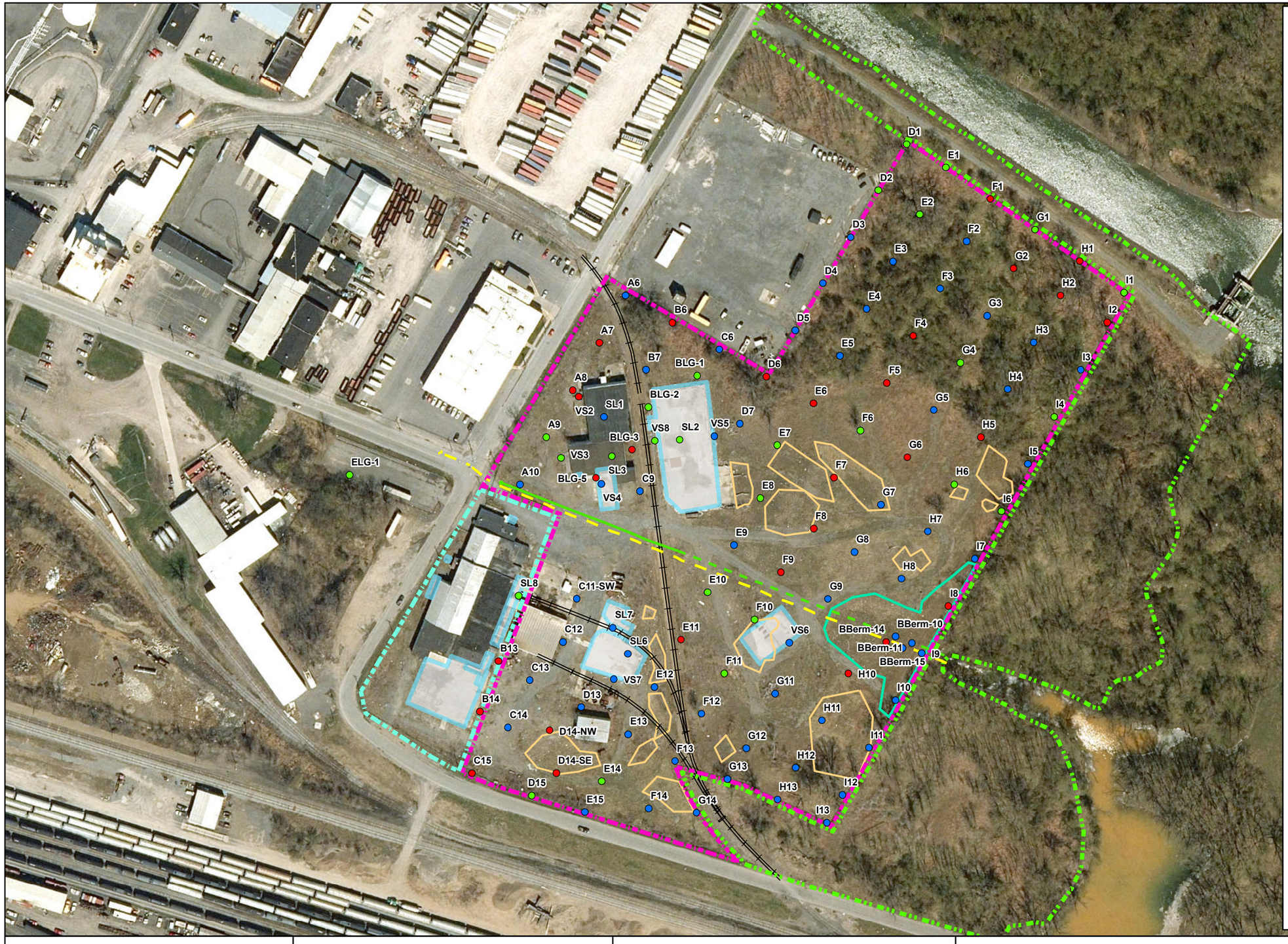
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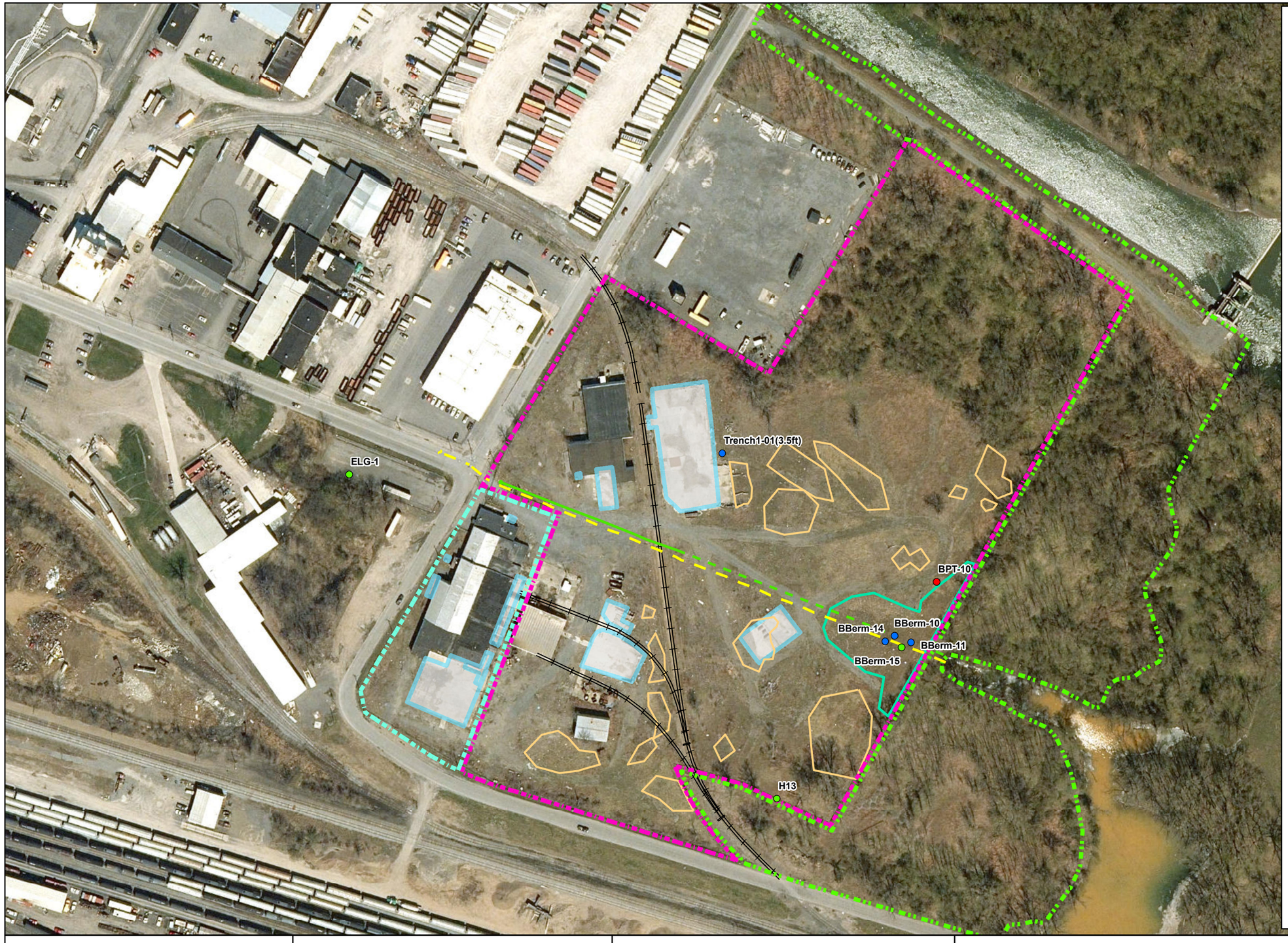
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Figure O-13
SVOCs in Surface Soil
(0' to 2")

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D1
E1
D2
F1
E2
G1
D3
F2
E3
H1
G2
D4
F3
H2
I1
A6
E4
G3
B6
I2
D5
F4
H3
A7
C6
E5
G4
B7
BLG-1
I3
D6
F5
A8
H4
BLG-2
E6
G5
VS2
SL1
D7
I4
A9
F6
VS8
SL2
VS5
H5
E7
BLG-3
G6
VS3
I5
ELG-1
F7
A10
H6
SL3
BLG-5
C9
E8
G7
I6
VS4
F8
H7
E9
G8
I7
F9
H8
E10
G9
SL8
C11-SW
I8
F10
SL7
BBerm-14
BBerm-10
E11
VS6
C12
SL6
BBerm-11
I9
B13
F11
BBerm-15
C13
H10
E12
VS7
G11
I10
B14
D13
F12
H11
C14
E13
D14-NW
G12
I11
F13
H12
C15
D14-SE
G13
E14
I12
D15
H13
F14
E15
G14
I13
SEWER
SEWER
SEWER



LEGEND

SVOCs Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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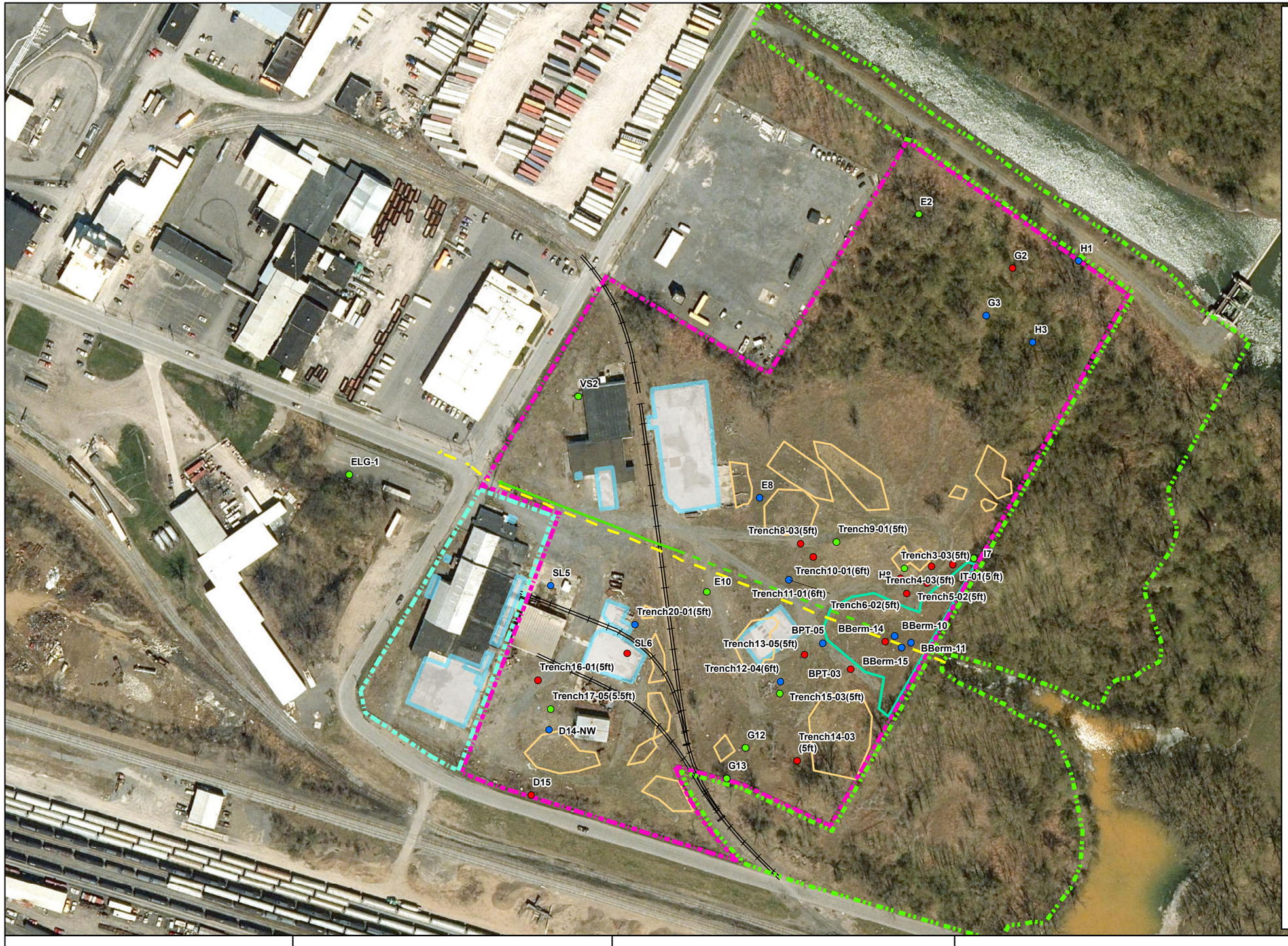
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Feet

Figure O-15
SVOCs in Subsurface Soil
(2' to 4')

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LEGEND

SVOCs Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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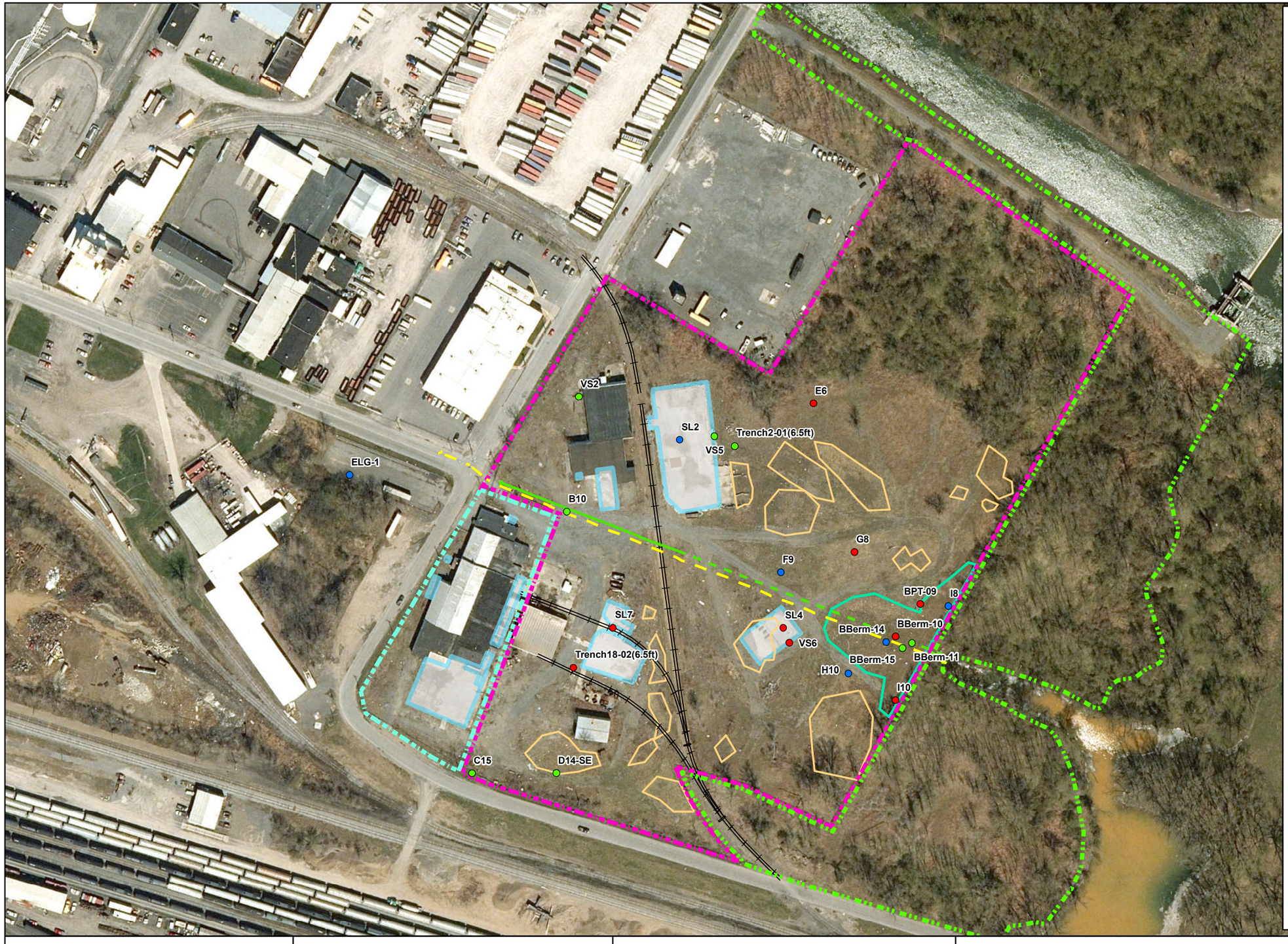
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Figure O-16
SVOCs in Subsurface Soil
(4' to 6')

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LEGEND

SVOCs Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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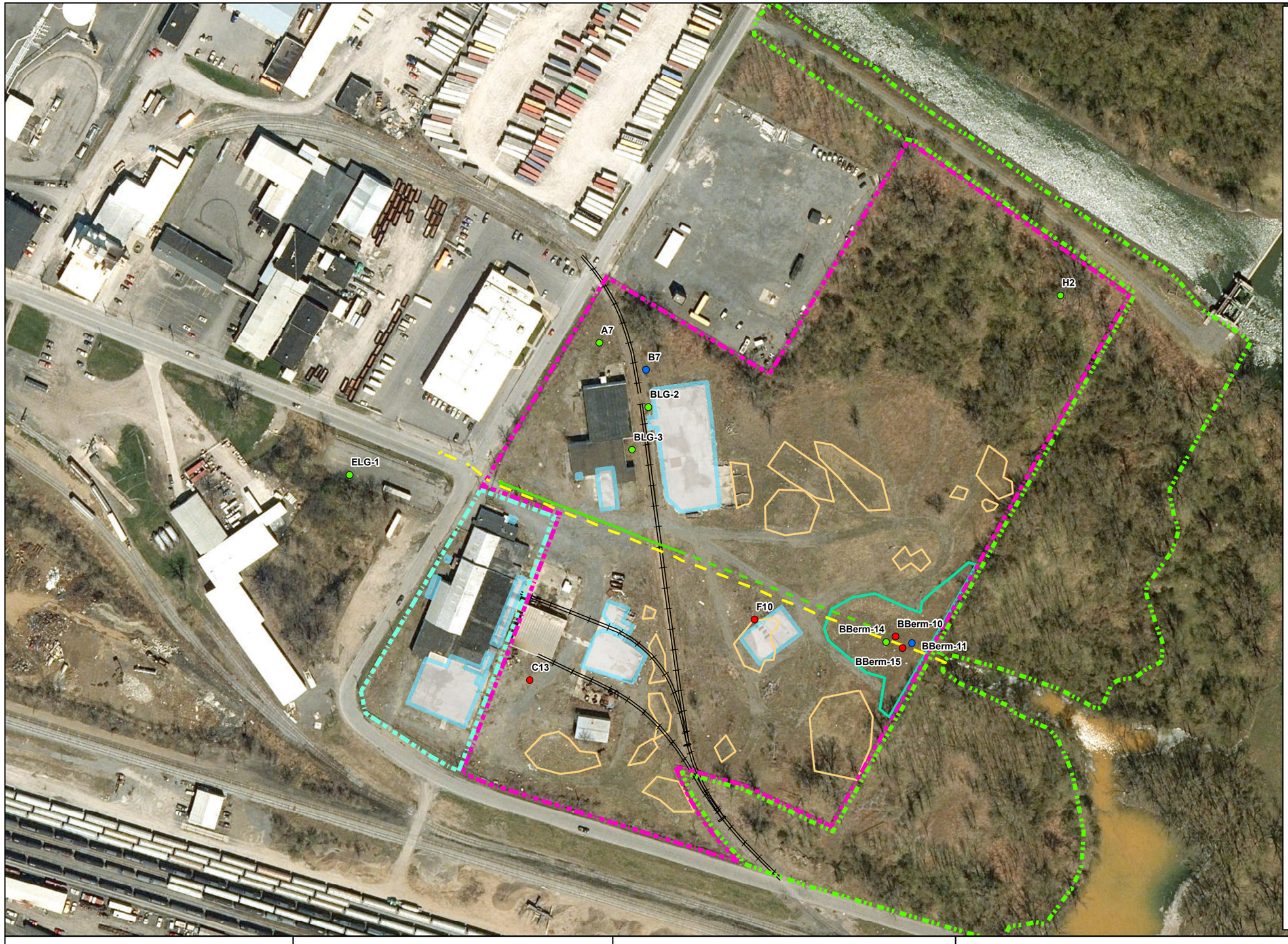
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Feet

Figure O-17
SVOCs in Subsurface Soil
(6' to 8')

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LEGEND

SVOCs Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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N

0 110 220 330 440

Feet

Figure O-18
SVOCs in Subsurface Soil
(8' to 10')

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LEGEND

SVOCs Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
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Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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UTICA, NEW YORK

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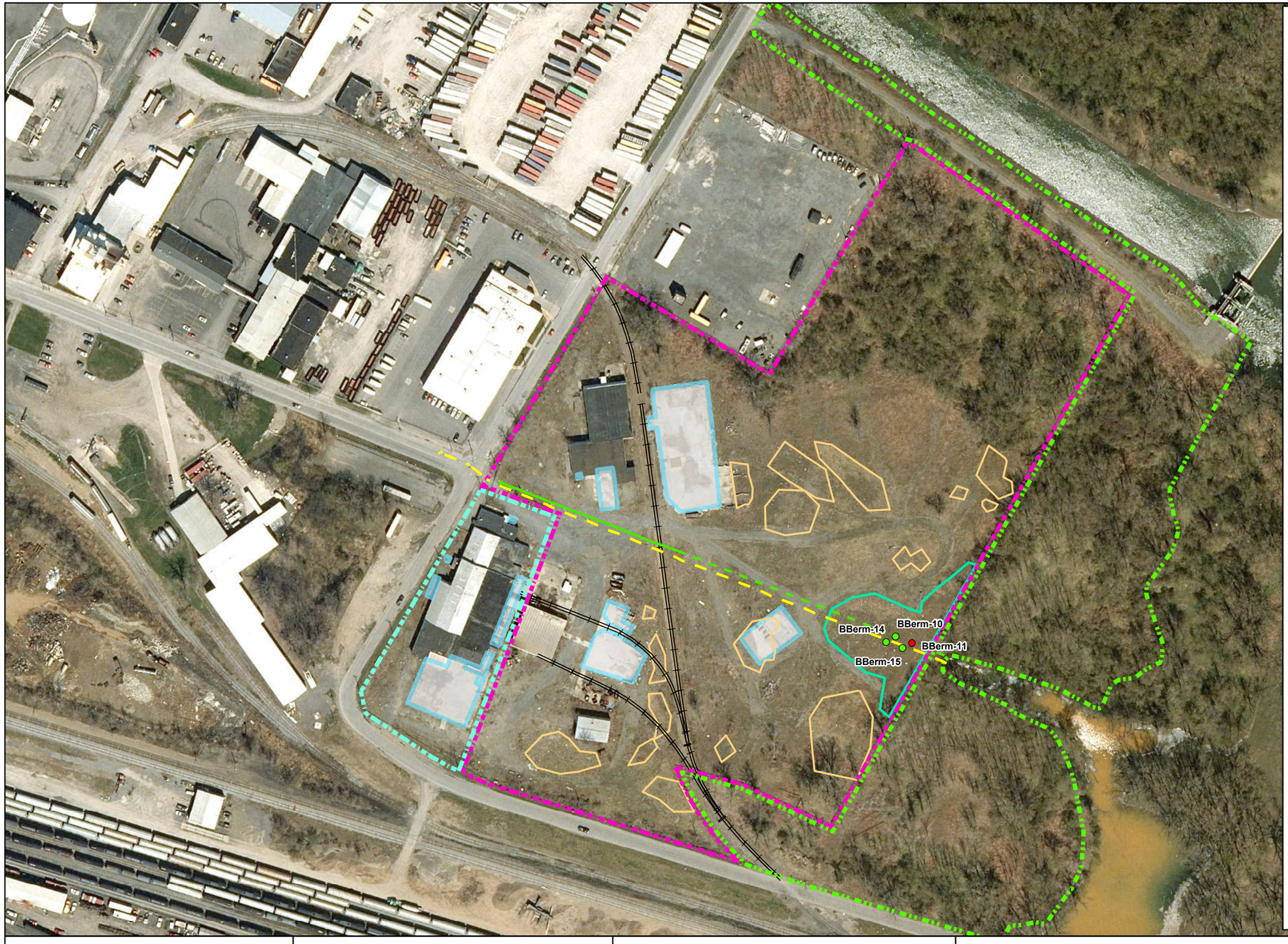
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Figure O-19
SVOCs in Subsurface Soil
(10' to 12')

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LEGEND

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- Estimated Sanitary Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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Figure O-20
SVOCs in Subsurface Soil
(12' to 14')

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- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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Figure O-21
SVOCs in Subsurface Soil
(14' to 16')

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- OU3 Boundary
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Figure O-22
SVOCs in Subsurface Soil
(16' to 18')

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Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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Feet

Figure O-23
SVOCs in Subsurface Soil
(18' to 20')

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Figure O-24
VOCs in Surface Soil
(0' to 2")

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LEGEND

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Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

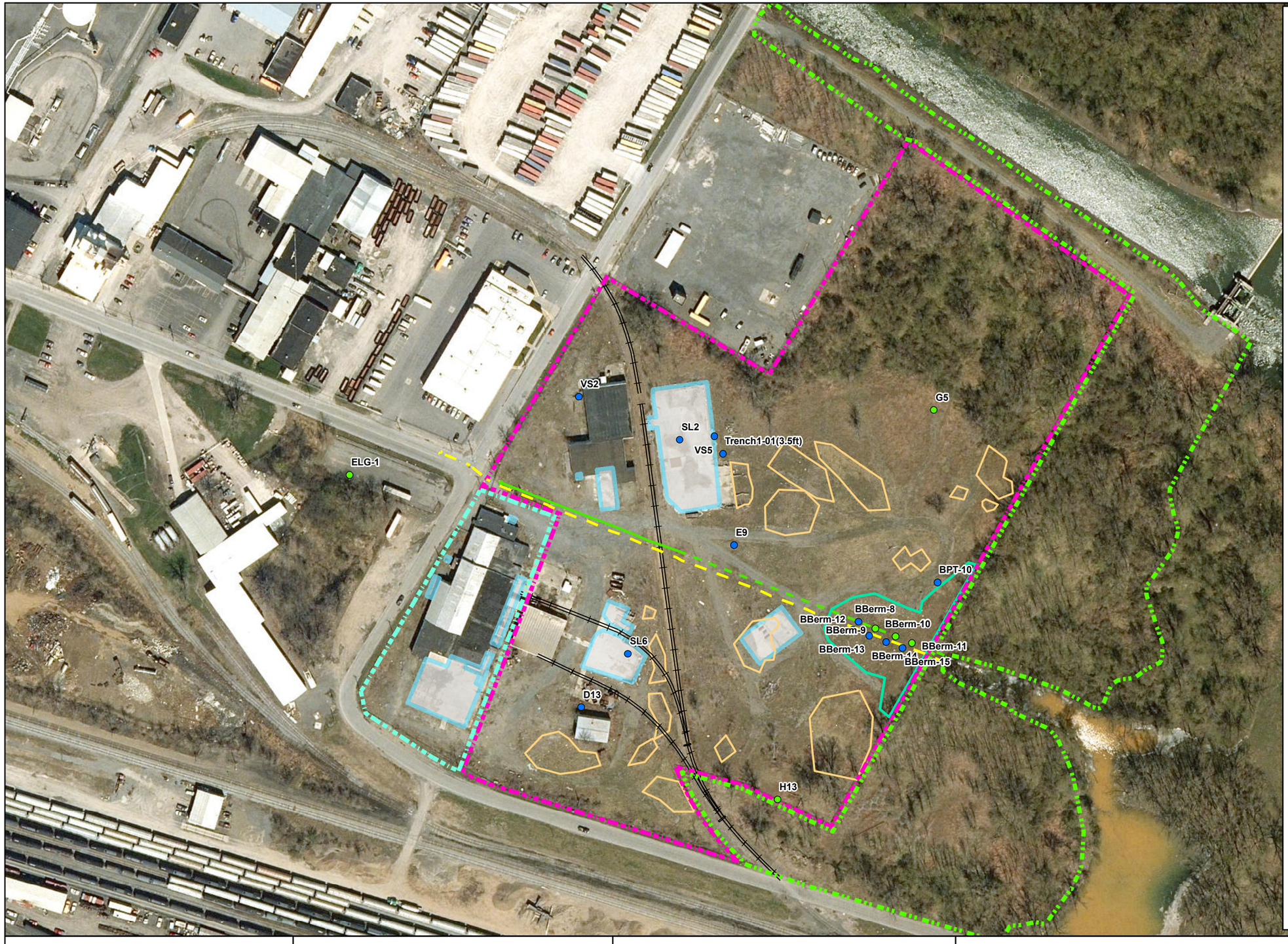
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Figure O-25
VOCs in Subsurface Soil
(2" to 2')

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Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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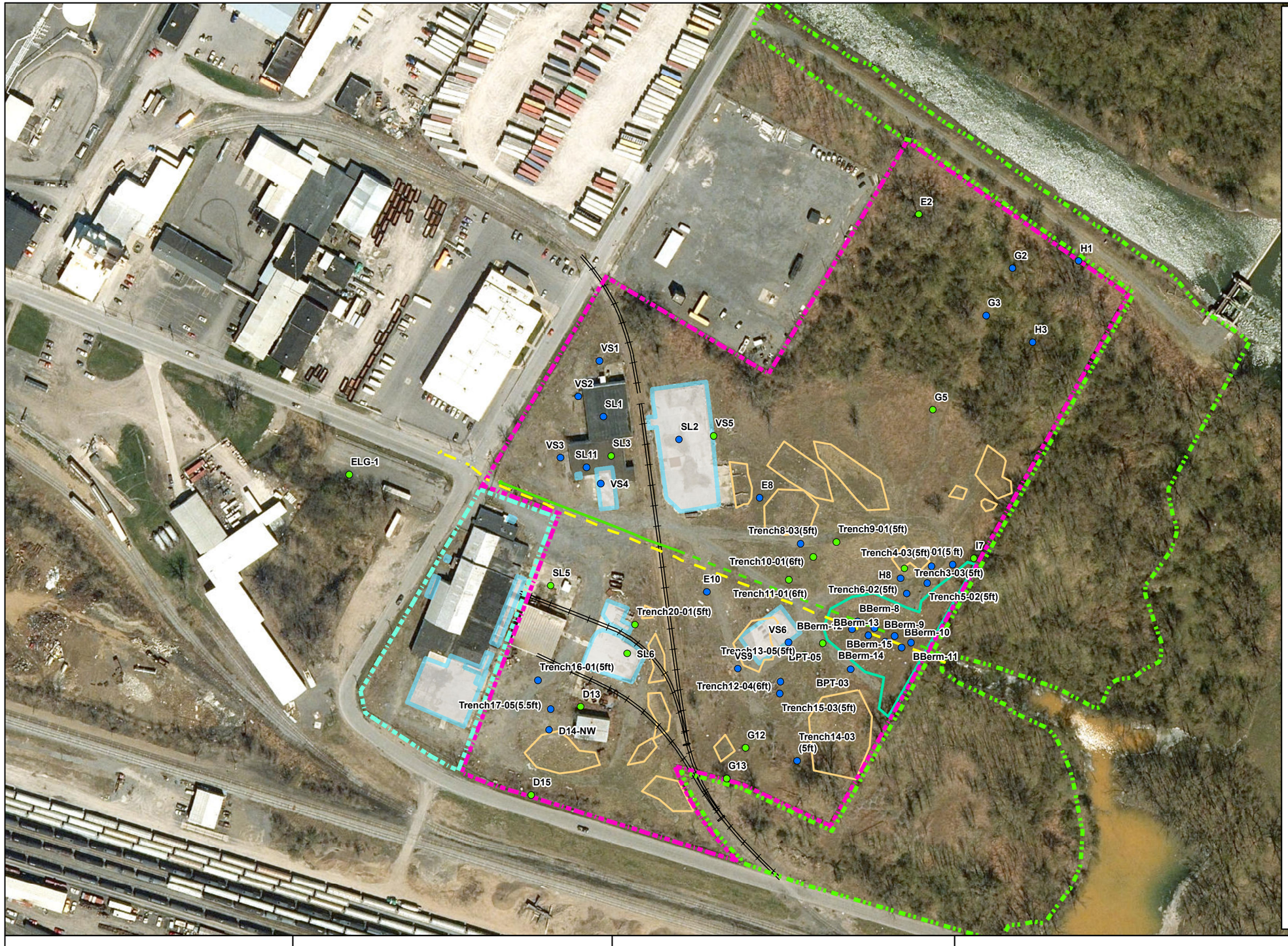
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Figure O-26
VOCs in Subsurface Soil
(2' to 4')

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- Concrete Slab

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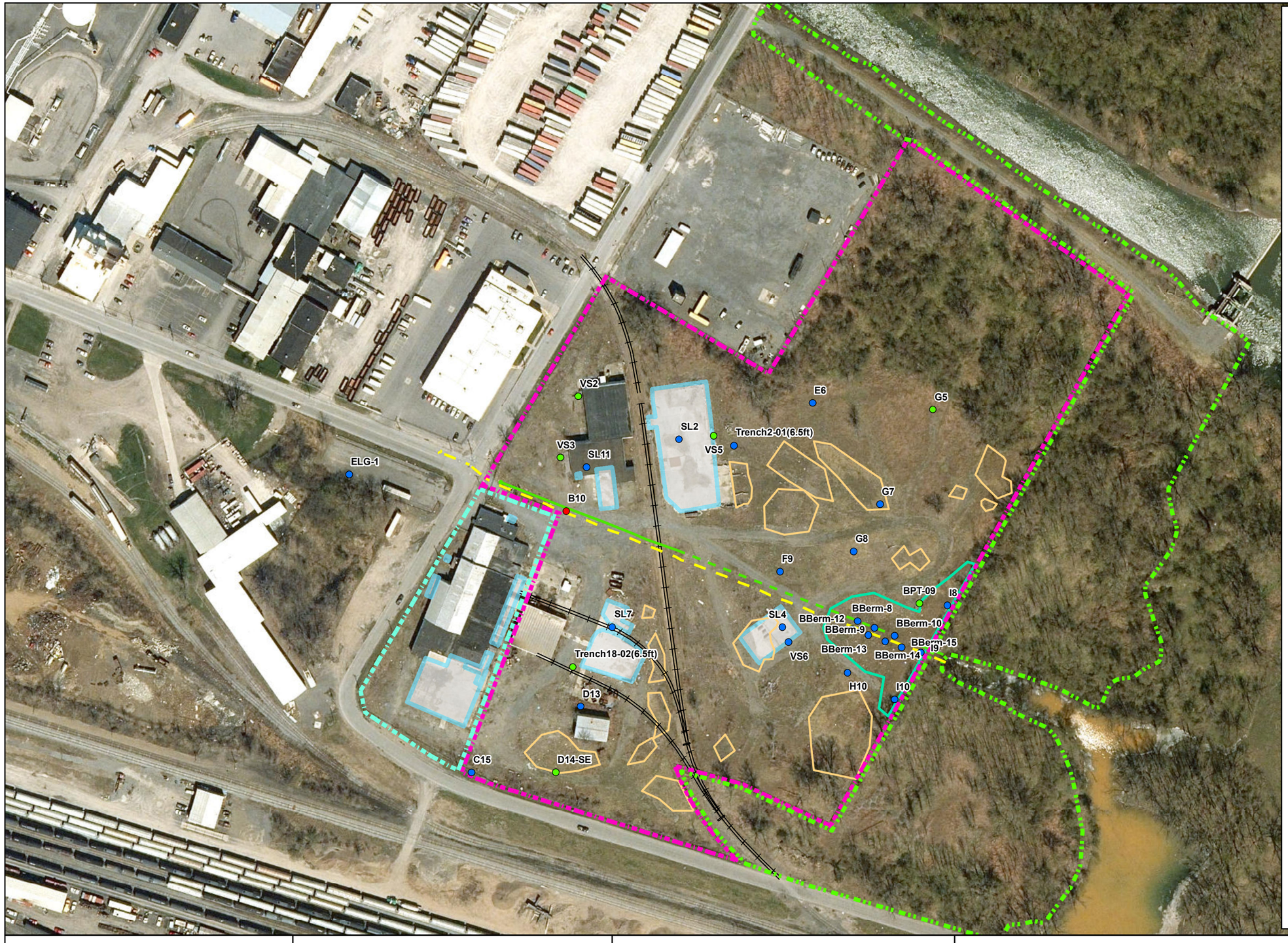
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Figure O-27
VOCs in Subsurface Soil
(4' to 6')

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LEGEND

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Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

EHS Support

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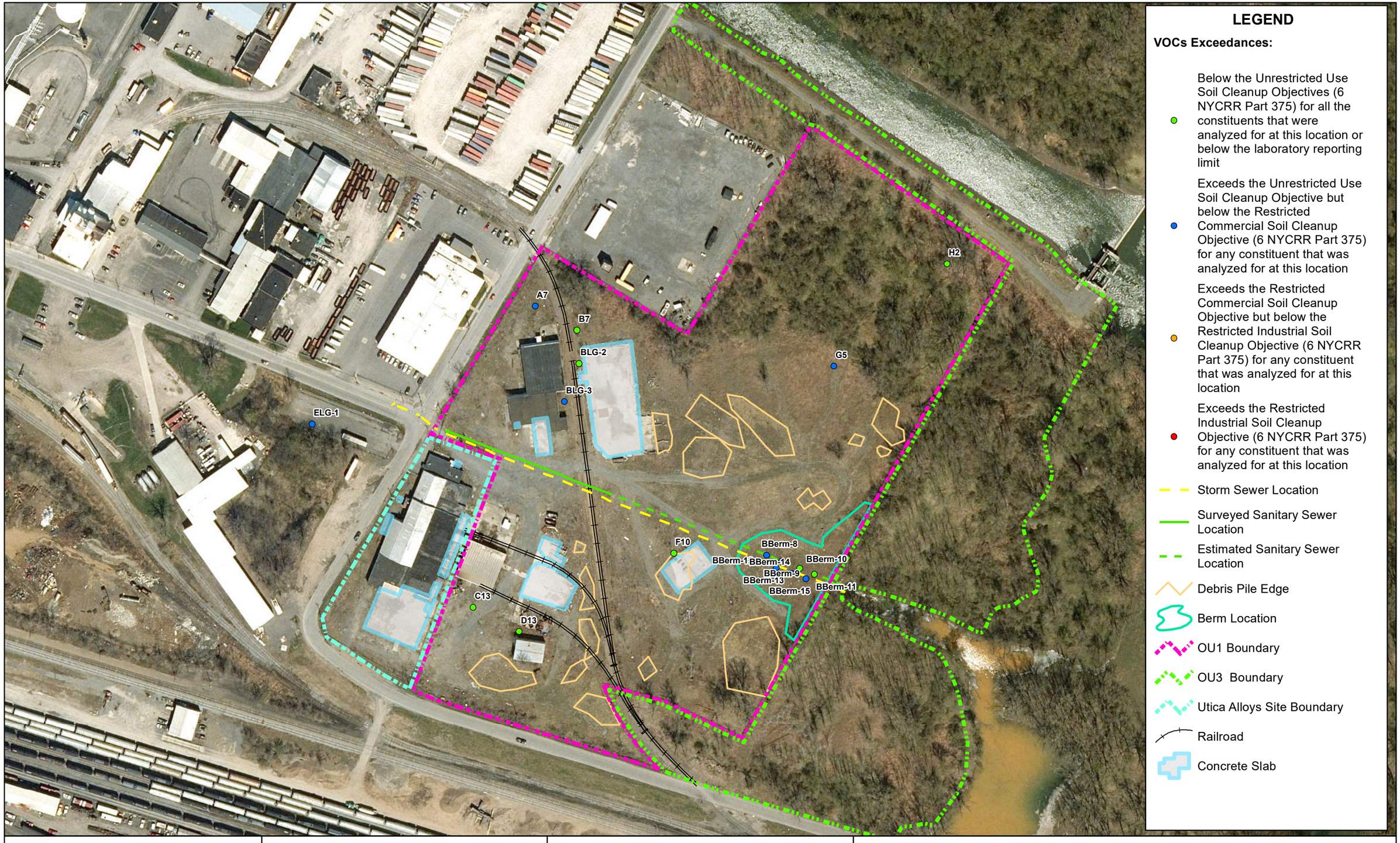
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Figure O-28
VOCs in Subsurface Soil
(6' to 8')

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Berm Location

OU1 Boundary

OU3 Boundary

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Railroad

Concrete Slab

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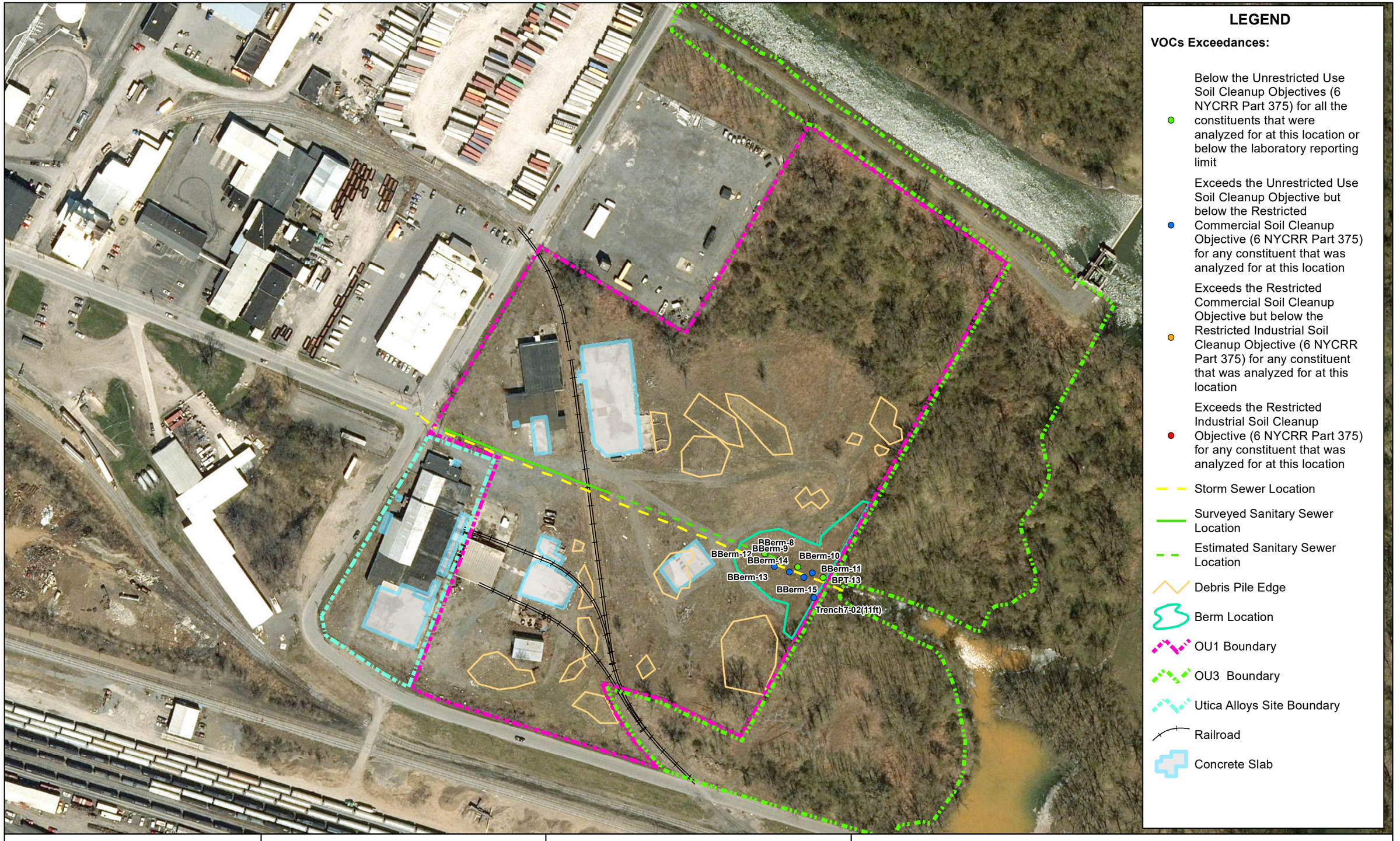
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Figure O-29
VOCs in Subsurface Soil
(8' to 10')

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Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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Figure O-30
VOCs in Subsurface Soil
(10' to 12')

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Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

EHS Support

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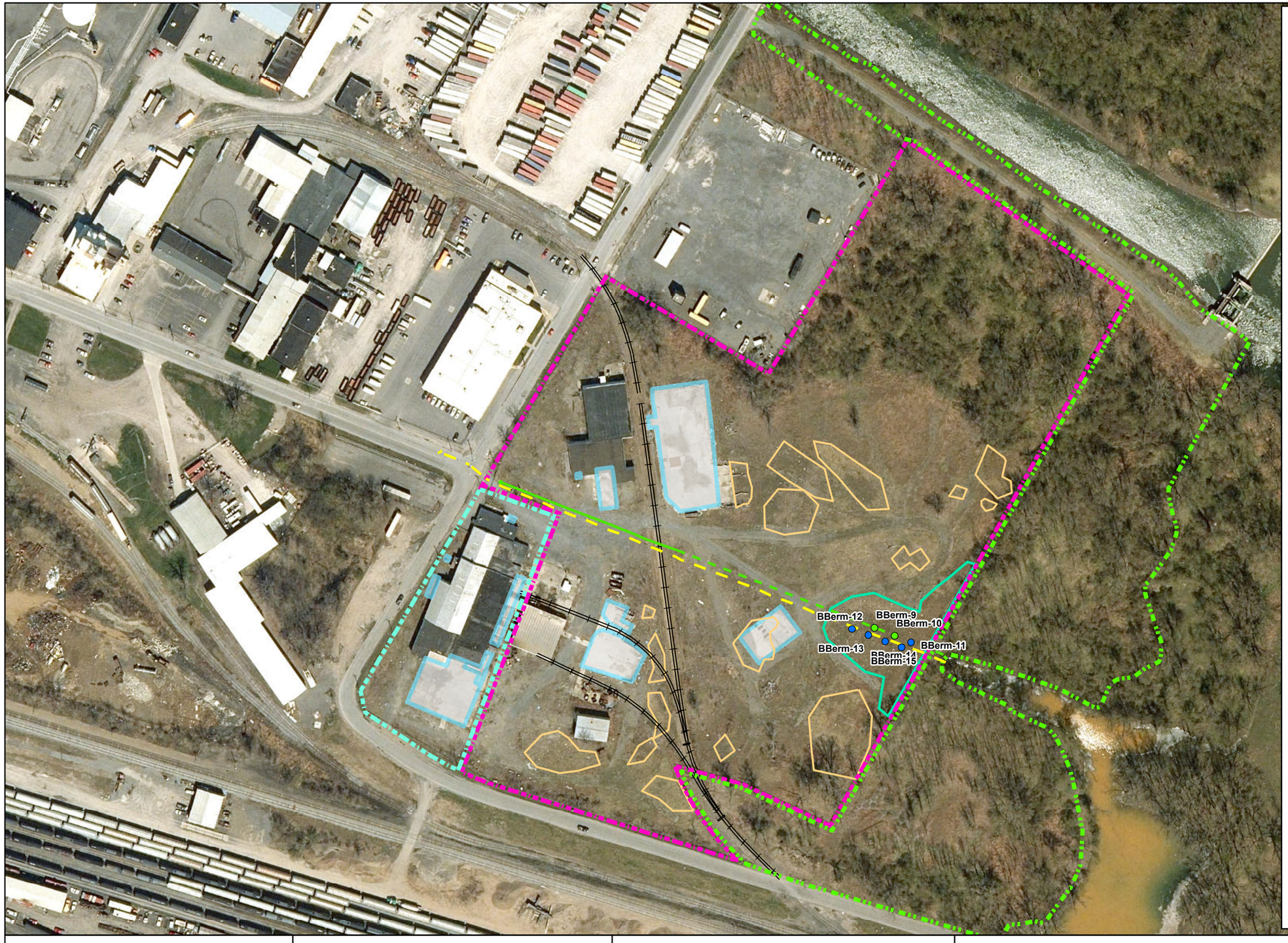
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Figure O-31
VOCs in Subsurface Soil
(12' to 14')

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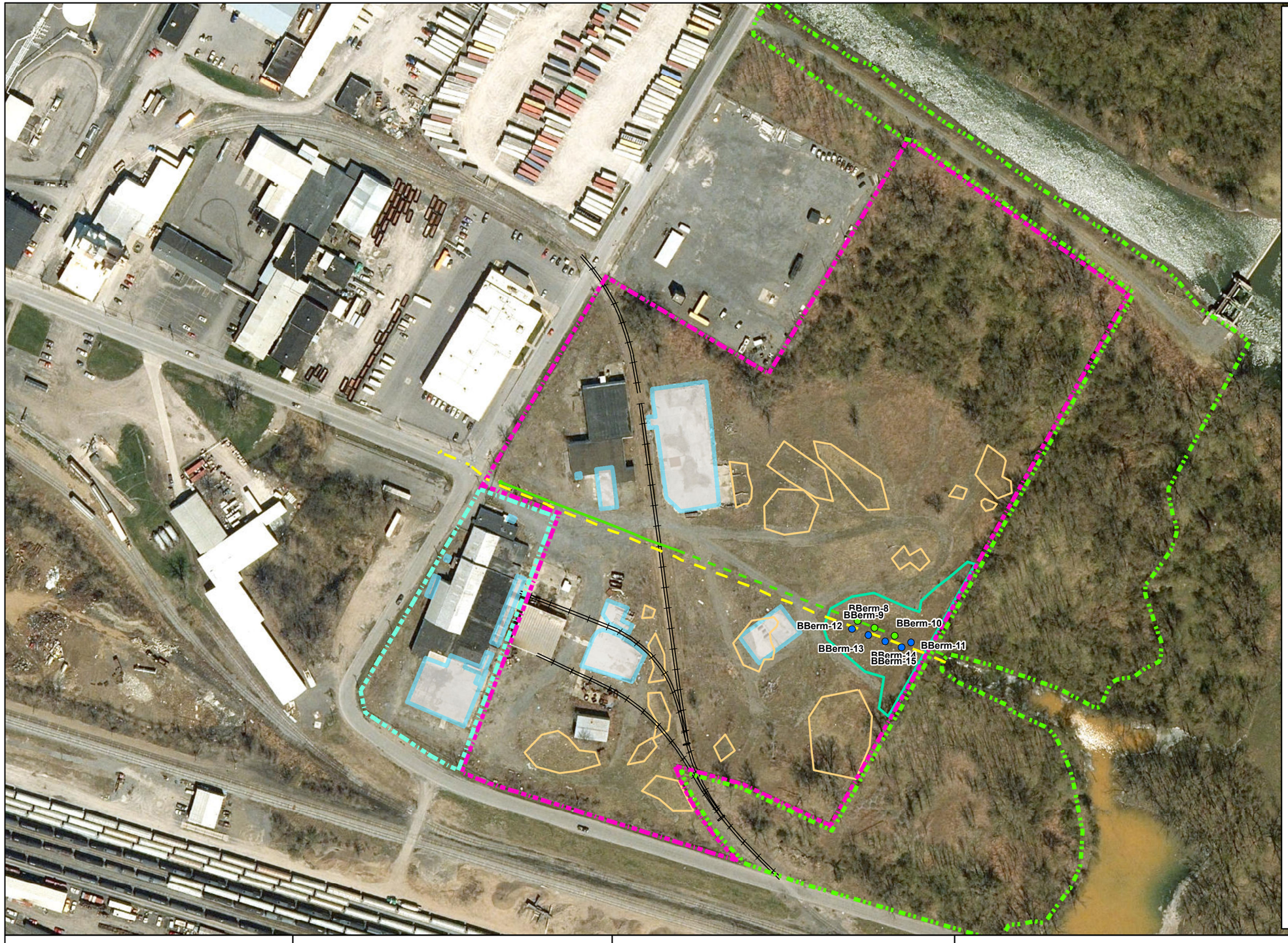
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Figure O-32
VOCs in Subsurface Soil
(14' to 16')

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Berm Location

OU1 Boundary

OU3 Boundary

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Railroad

Concrete Slab

EHS Support

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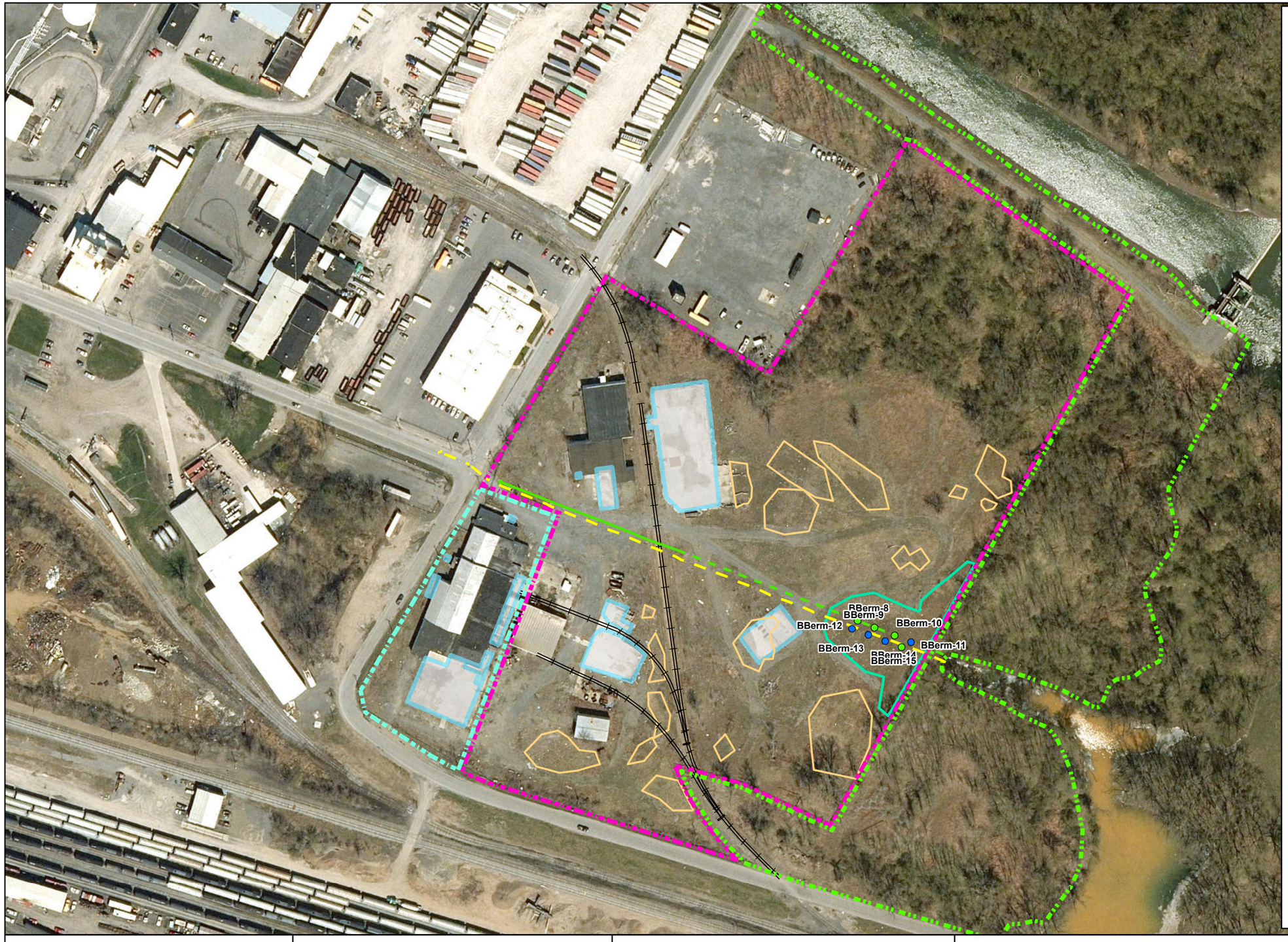
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Figure O-33
VOCs in Subsurface Soil
(16' to 18')

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Berm Location

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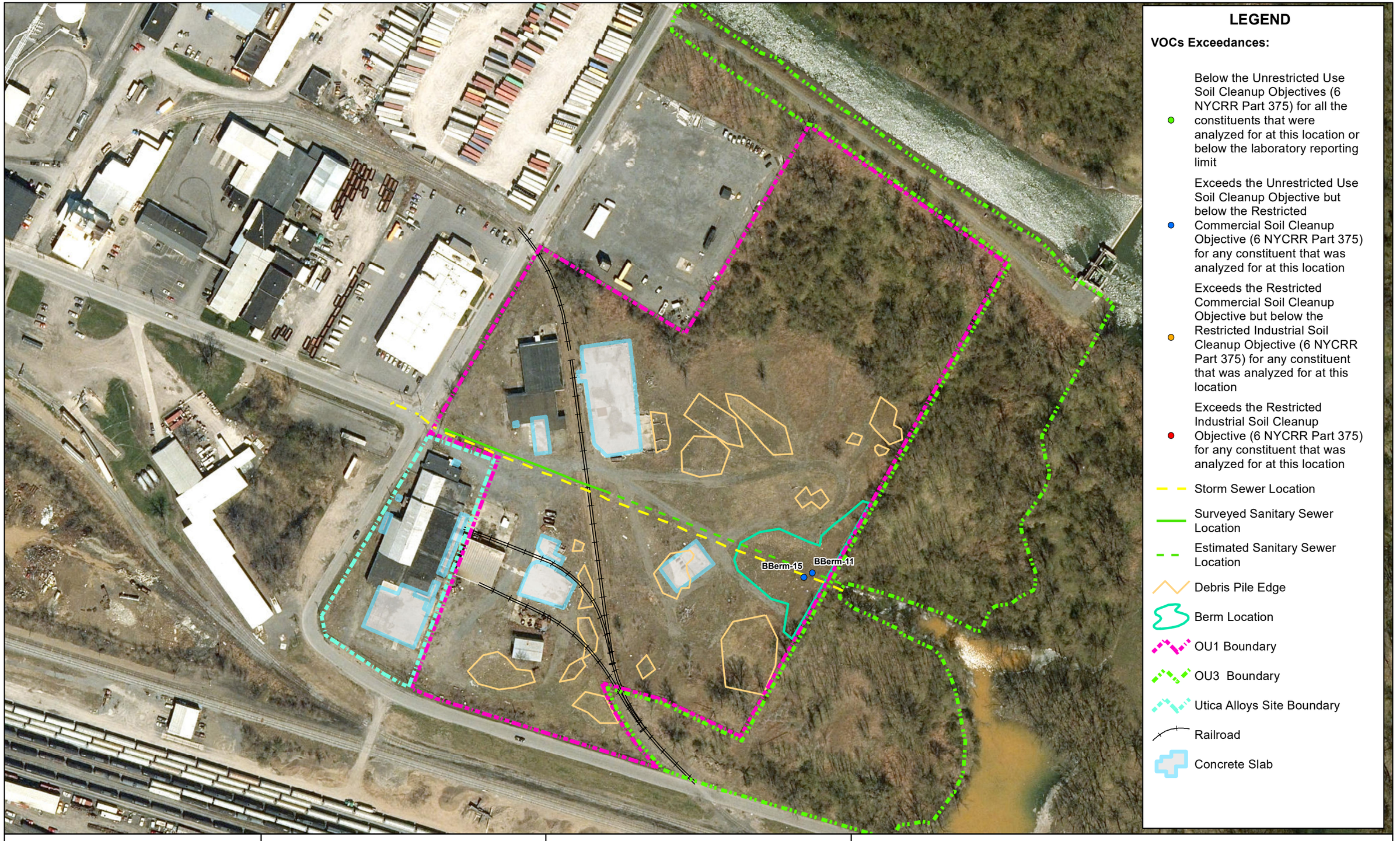
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Figure O-34
VOCs in Subsurface Soil
(18' to 20')

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Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

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Railroad

Concrete Slab

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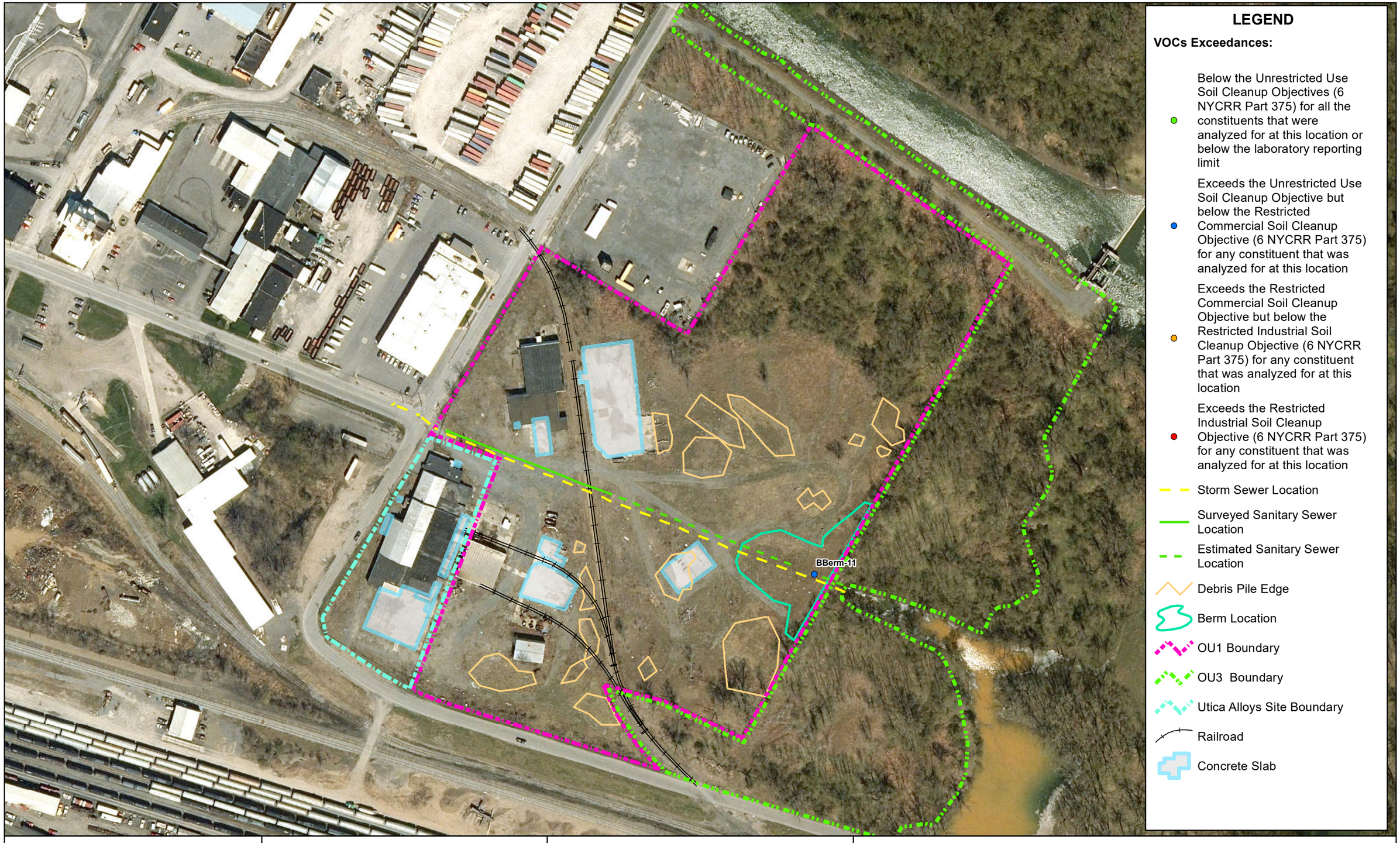
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Figure O-35
VOCs in Subsurface Soil
(20' to 22')

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Concrete Slab

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0 110 220 330 440

Feet

Figure O-36
VOCs in Subsurface Soil
(22' to 24')

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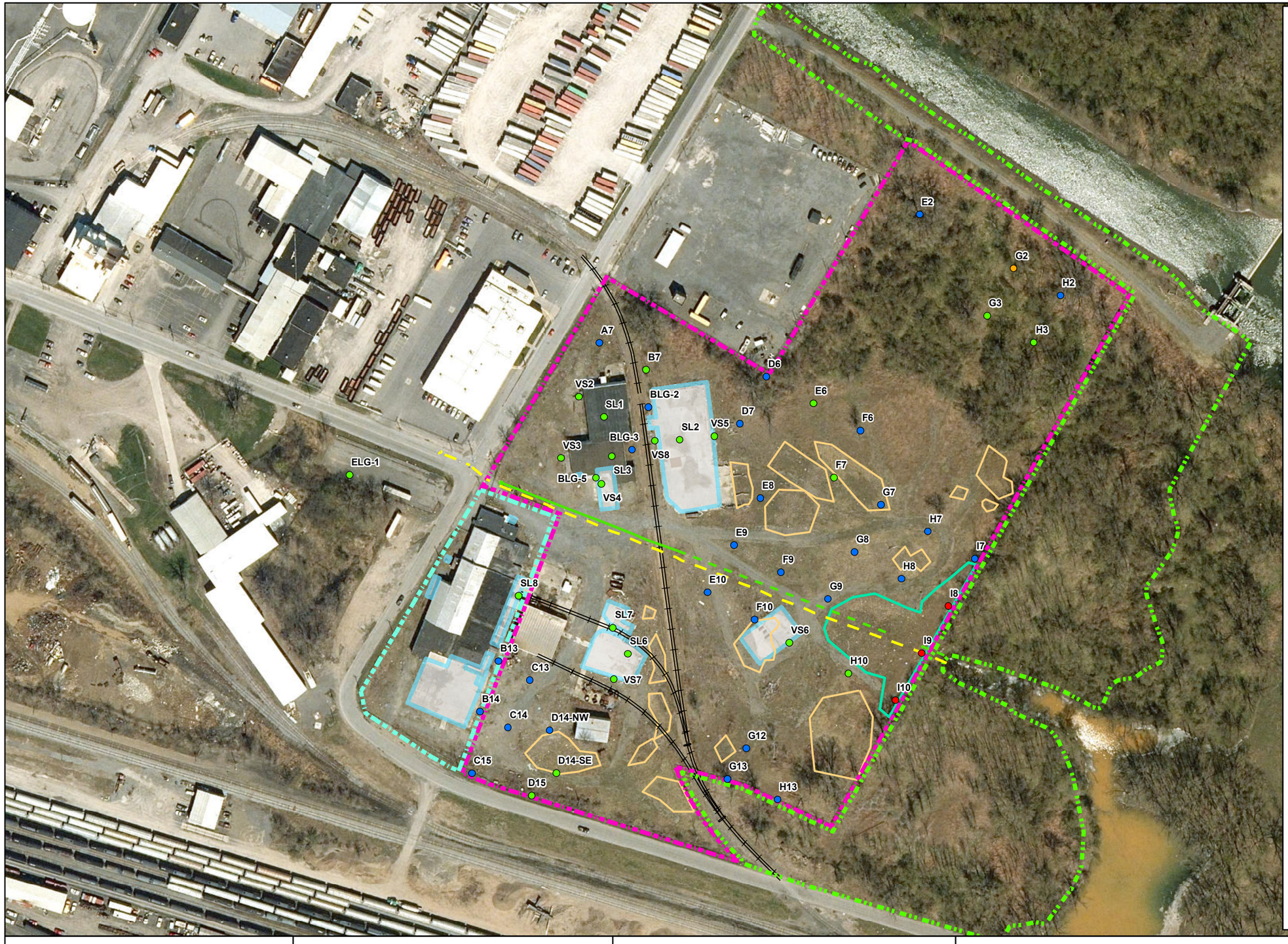
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Figure O-37
Herbicides/Pesticides in Surface Soil
(0' to 2")

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LEGEND

Herbicides/Pesticides Exceedances:

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UTICA, NEW YORK

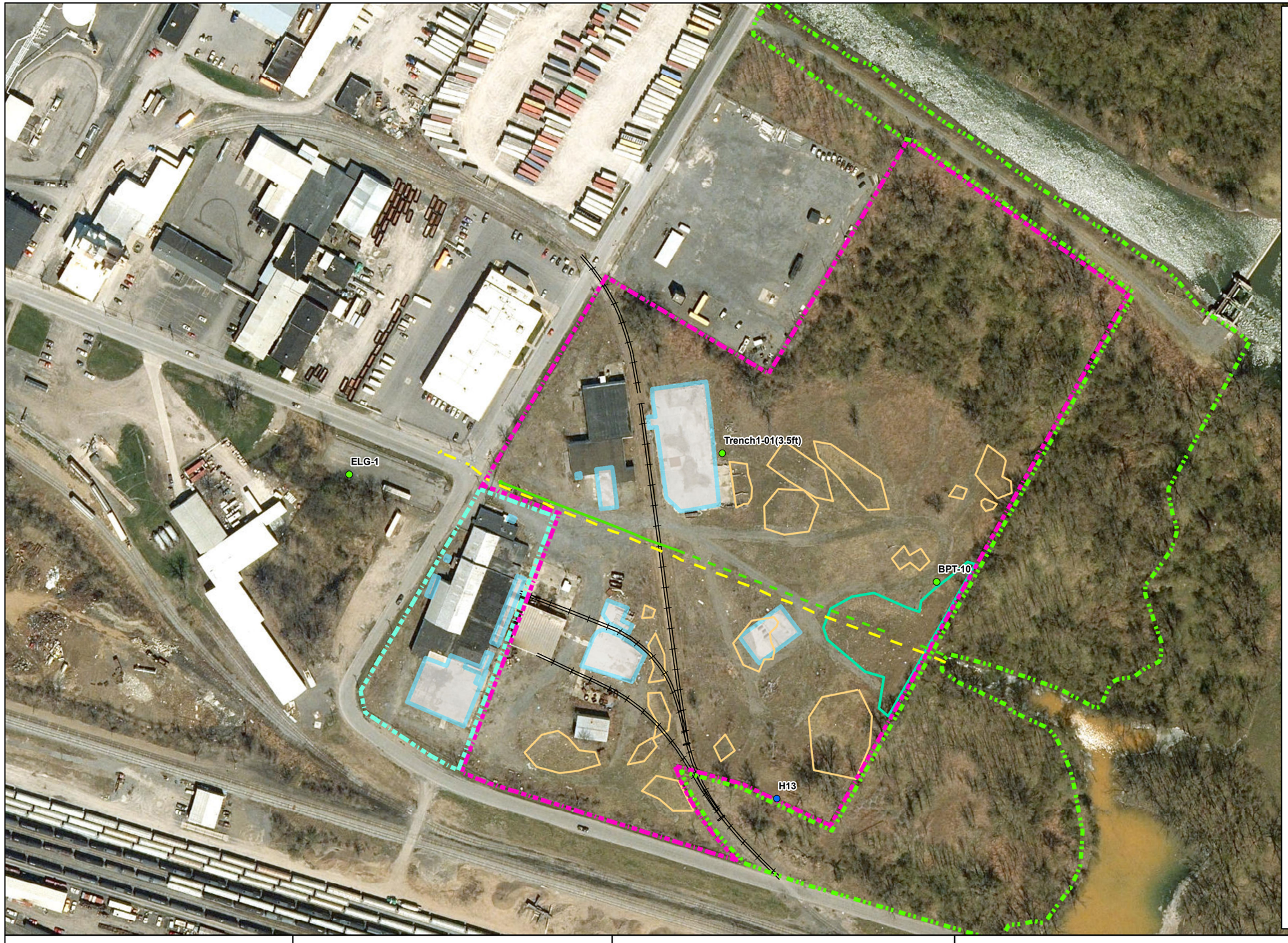
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Figure O-38
Herbicides/Pesticides in Subsurface Soil
(2" to 2')

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LEGEND

Herbicides/Pesticides Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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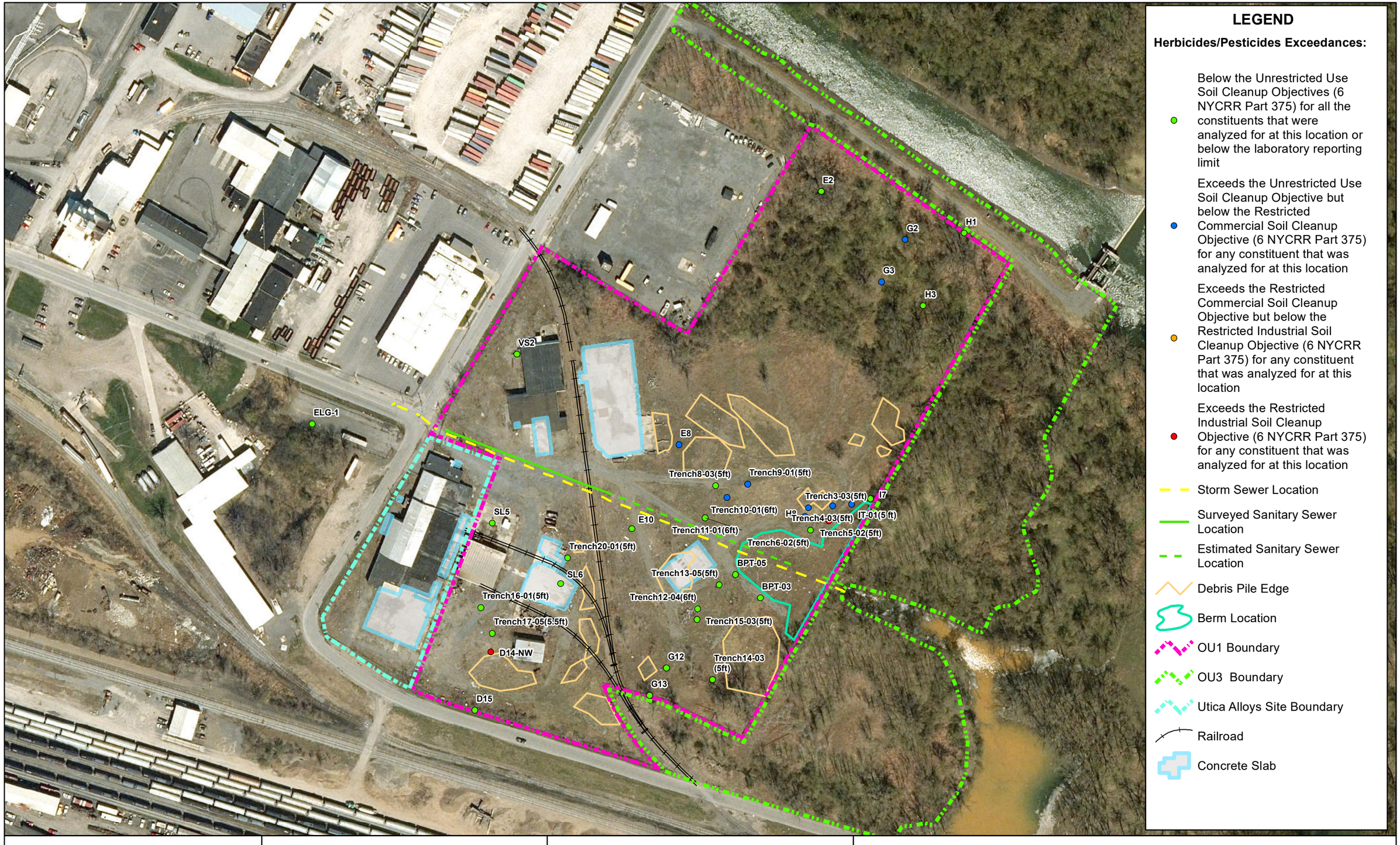
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Figure O-39
Herbicides/Pesticides in Subsurface Soil
(2' to 4')

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LEGEND

Herbicides/Pesticides Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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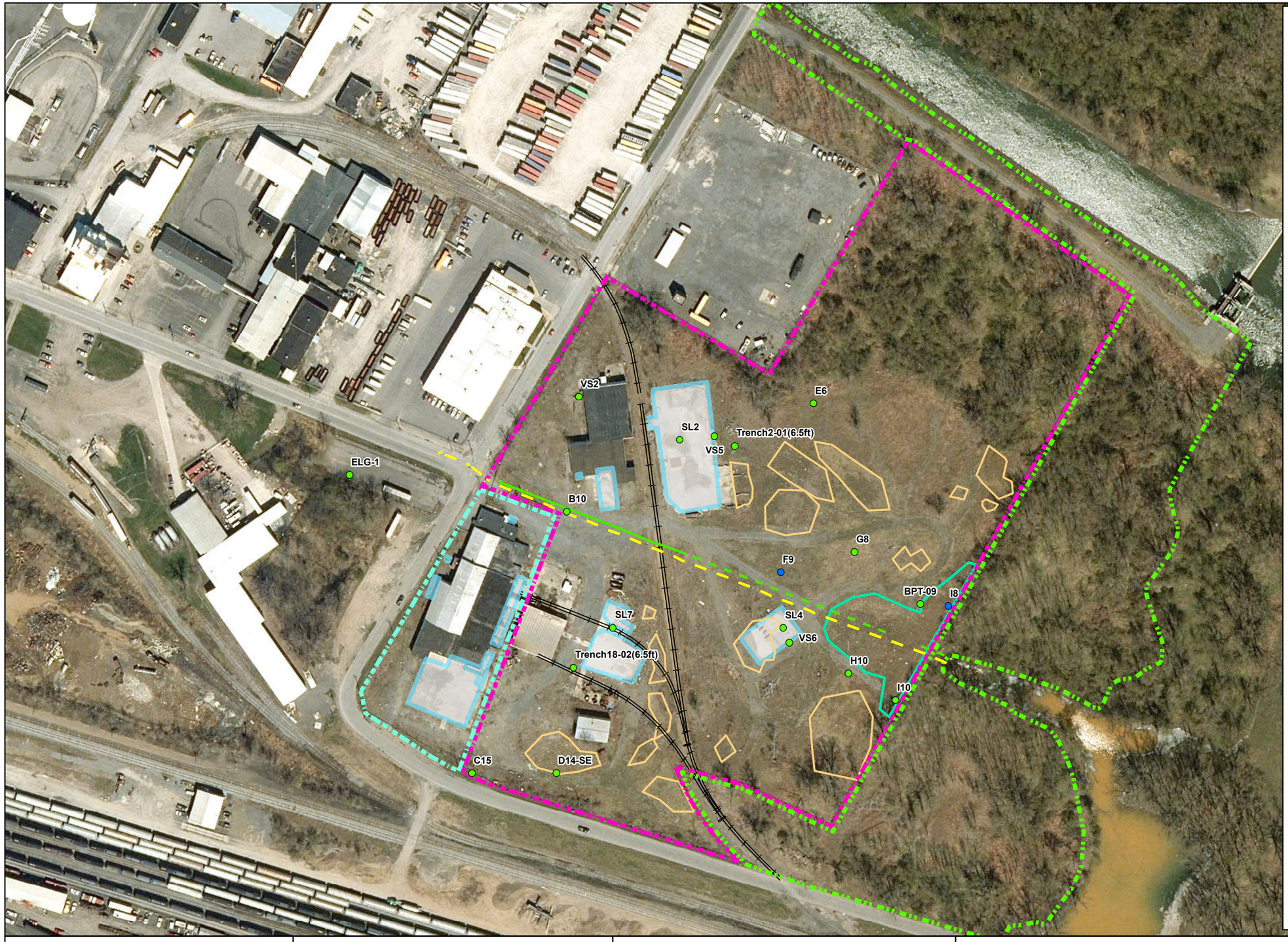
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Figure O-40
Herbicides/Pesticides in Subsurface Soil
(4' to 6')

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LEGEND

Herbicides/Pesticides Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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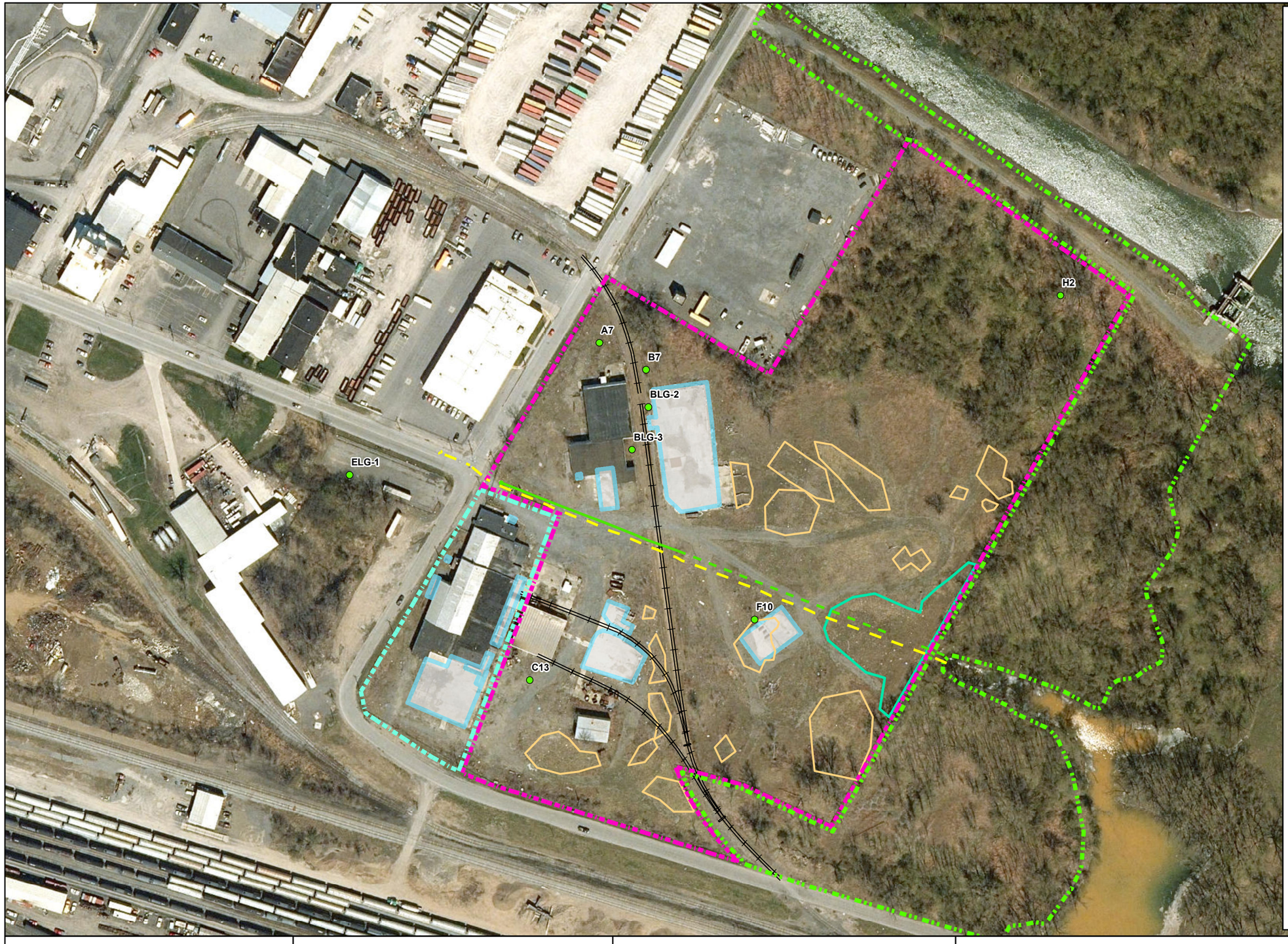
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Figure O-41
Herbicides/Pesticides in Subsurface Soil
(6' to 8')

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LEGEND

Herbicides/Pesticides Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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Feet

Figure O-42
Herbicides/Pesticides in Subsurface Soil
(8' to 10')

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LEGEND

1,4-Dioxane Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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Feet

Figure O-43
1,4-Dioxane in Surface Soil
(0' to 2")

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LEGEND

1,4-Dioxane Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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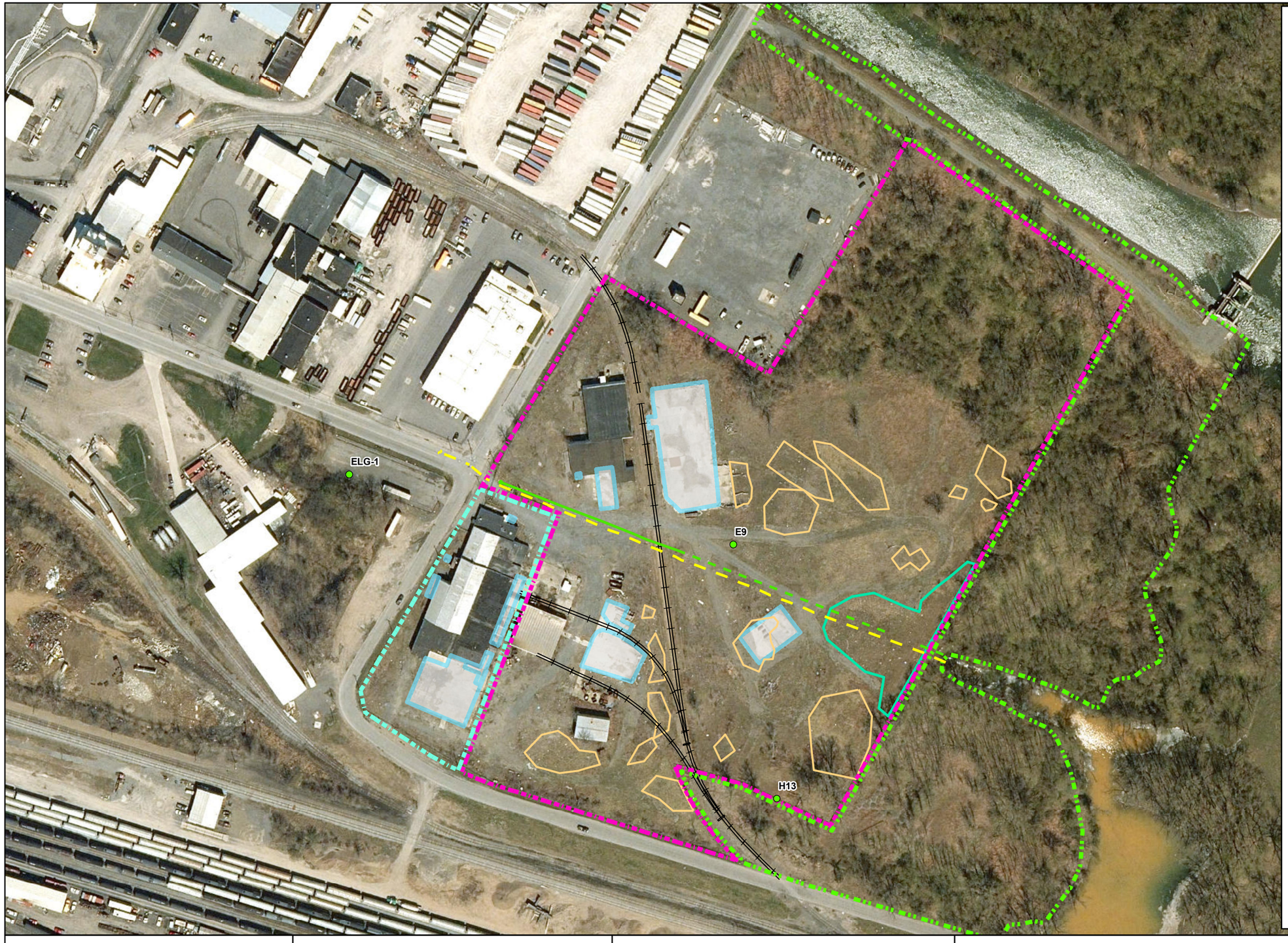
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Figure O-44
1,4-Dioxane in Subsurface Soil
(2" to 2')

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LEGEND

1,4-Dioxane Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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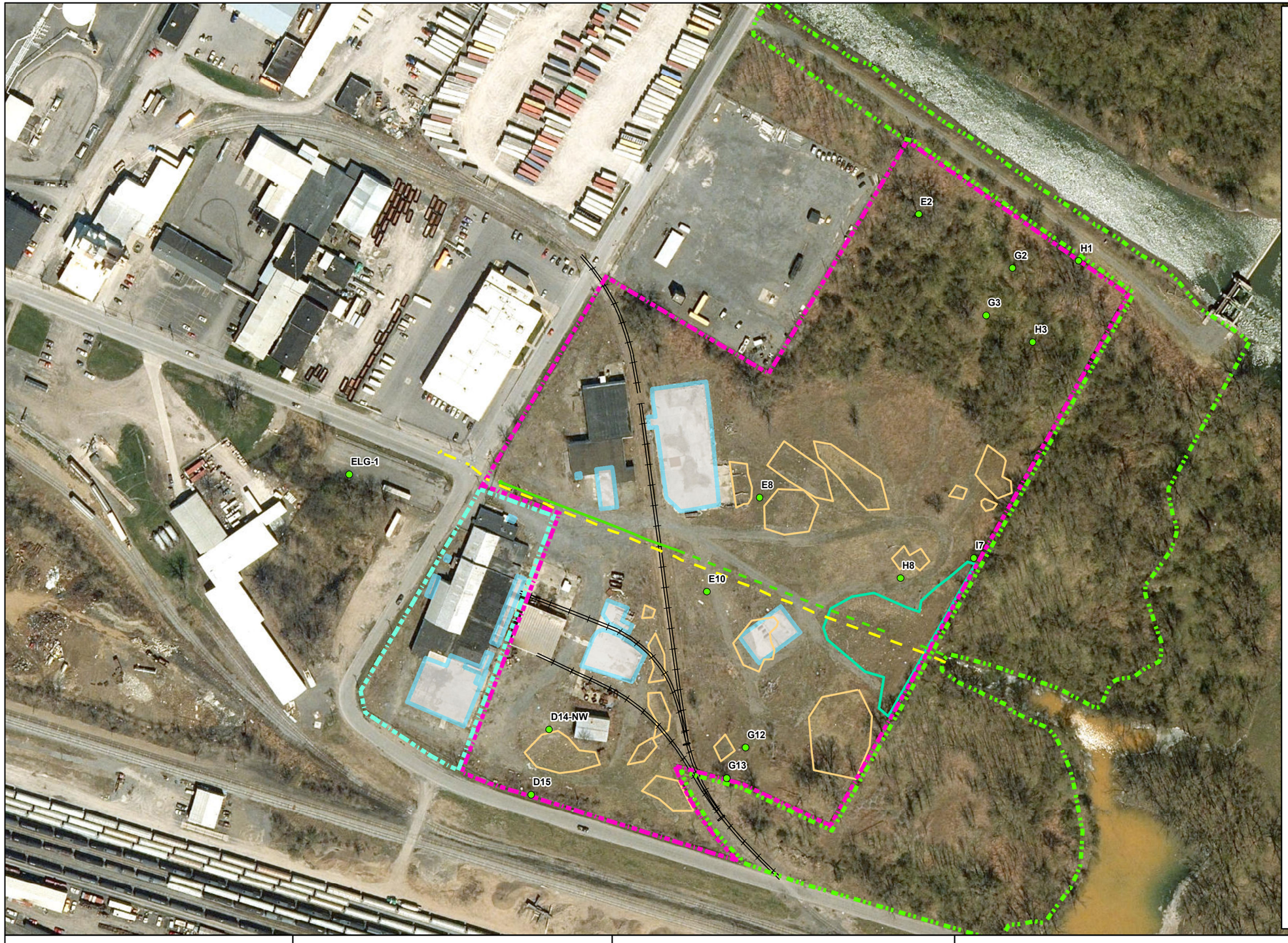
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Figure O-45
1,4-Dioxane in Subsurface Soil
(2' to 4')

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LEGEND

1,4-Dioxane Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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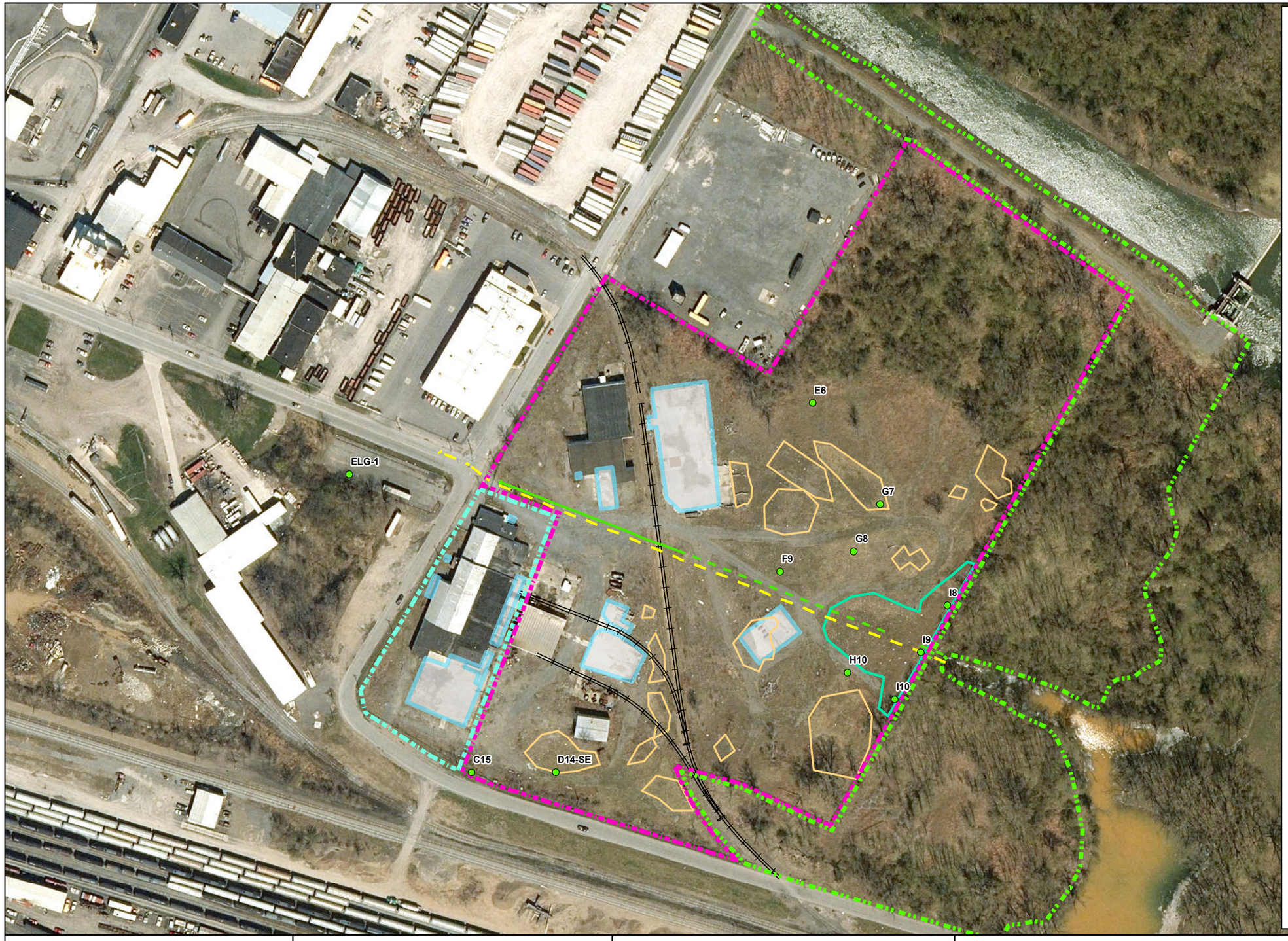
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Figure O-46
1,4-Dioxane in Subsurface Soil
(4' to 6')

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LEGEND

1,4-Dioxane Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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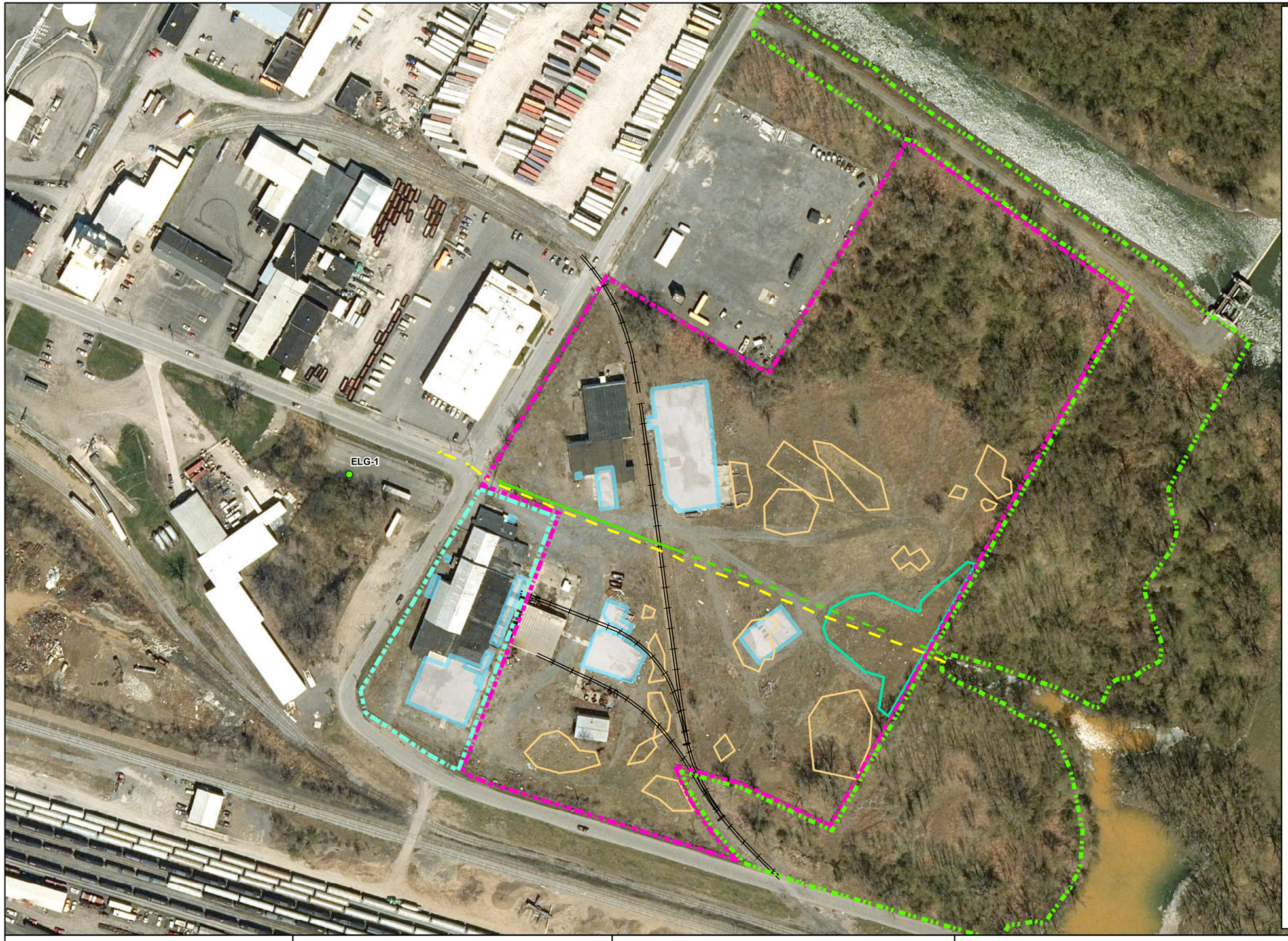
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Figure O-47
1,4-Dioxane in Subsurface Soil
(6' to 8')

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LEGEND

1,4-Dioxane Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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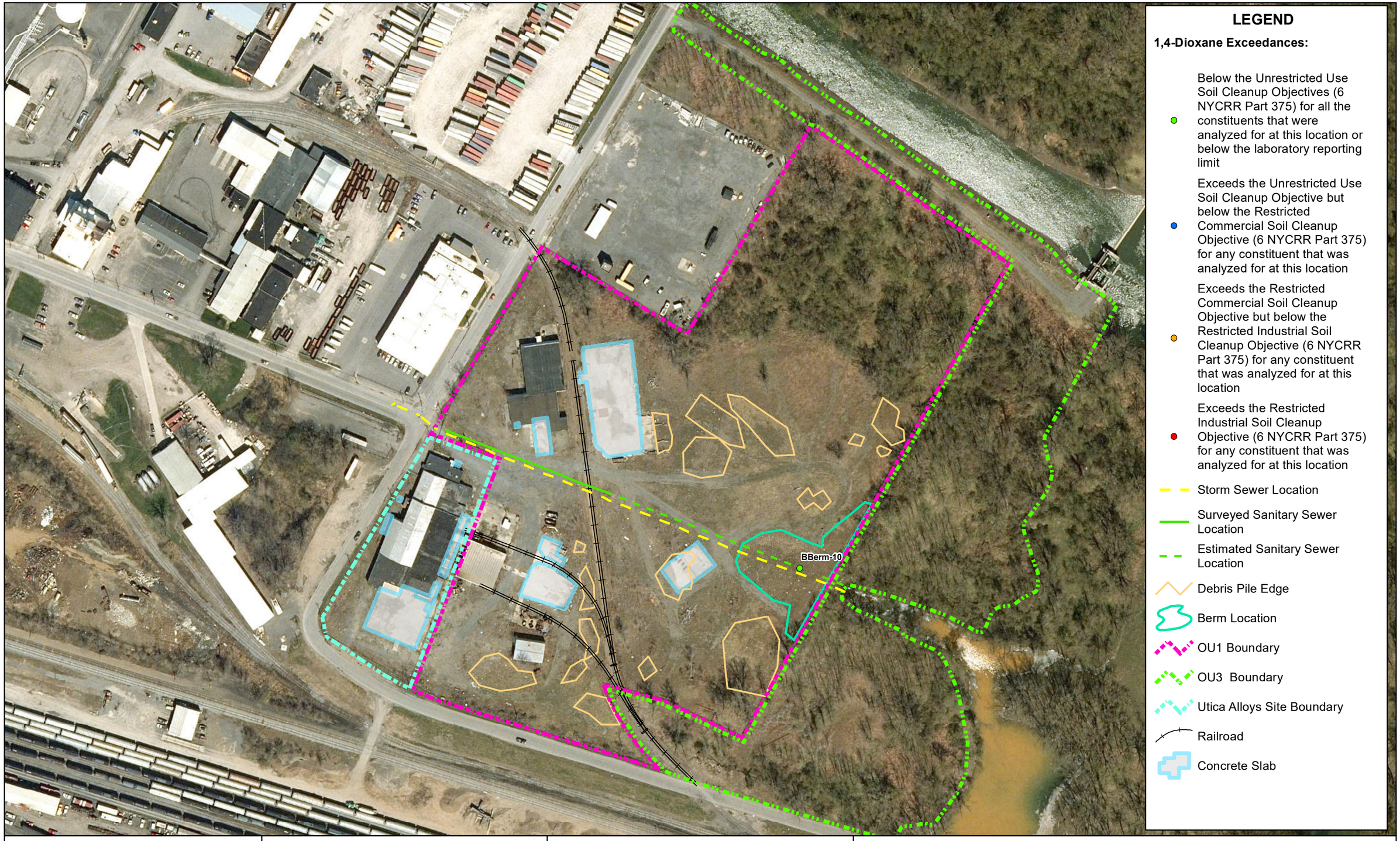
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Figure O-48
1,4-Dioxane in Subsurface Soil
(8' to 10')

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LEGEND

1,4-Dioxane Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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Figure O-49
1,4-Dioxane in Subsurface Soil
(16' to 18')

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LEGEND

1,4-Dioxane Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location

Storm Sewer Location

Surveyed Sanitary Sewer Location

Estimated Sanitary Sewer Location

Debris Pile Edge

Berm Location

OU1 Boundary

OU3 Boundary

Utica Alloys Site Boundary

Railroad

Concrete Slab

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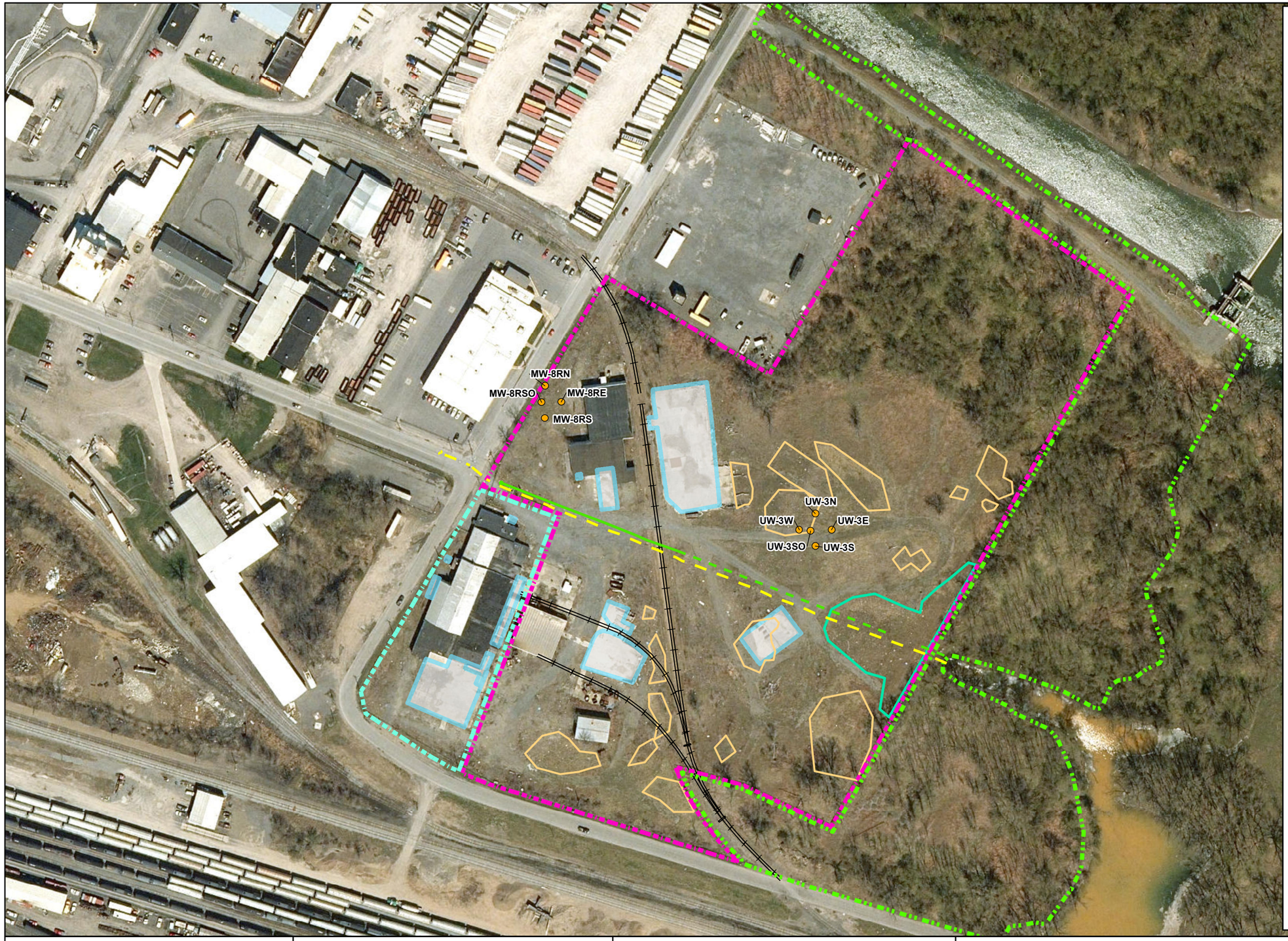
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Figure O-50
1,4-Dioxane in Subsurface Soil
(18' to 20')

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LEGEND

PFAS Exceedances:

- Below NYSDEC Guidance Values for PFOS and/or PFOA
- Exceeds NYSDEC Guidance Values for PFOS and/or PFOA
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC Guidance Values:
PFOA = 6.7 ng/L
PFOS = 2.7 ng/L

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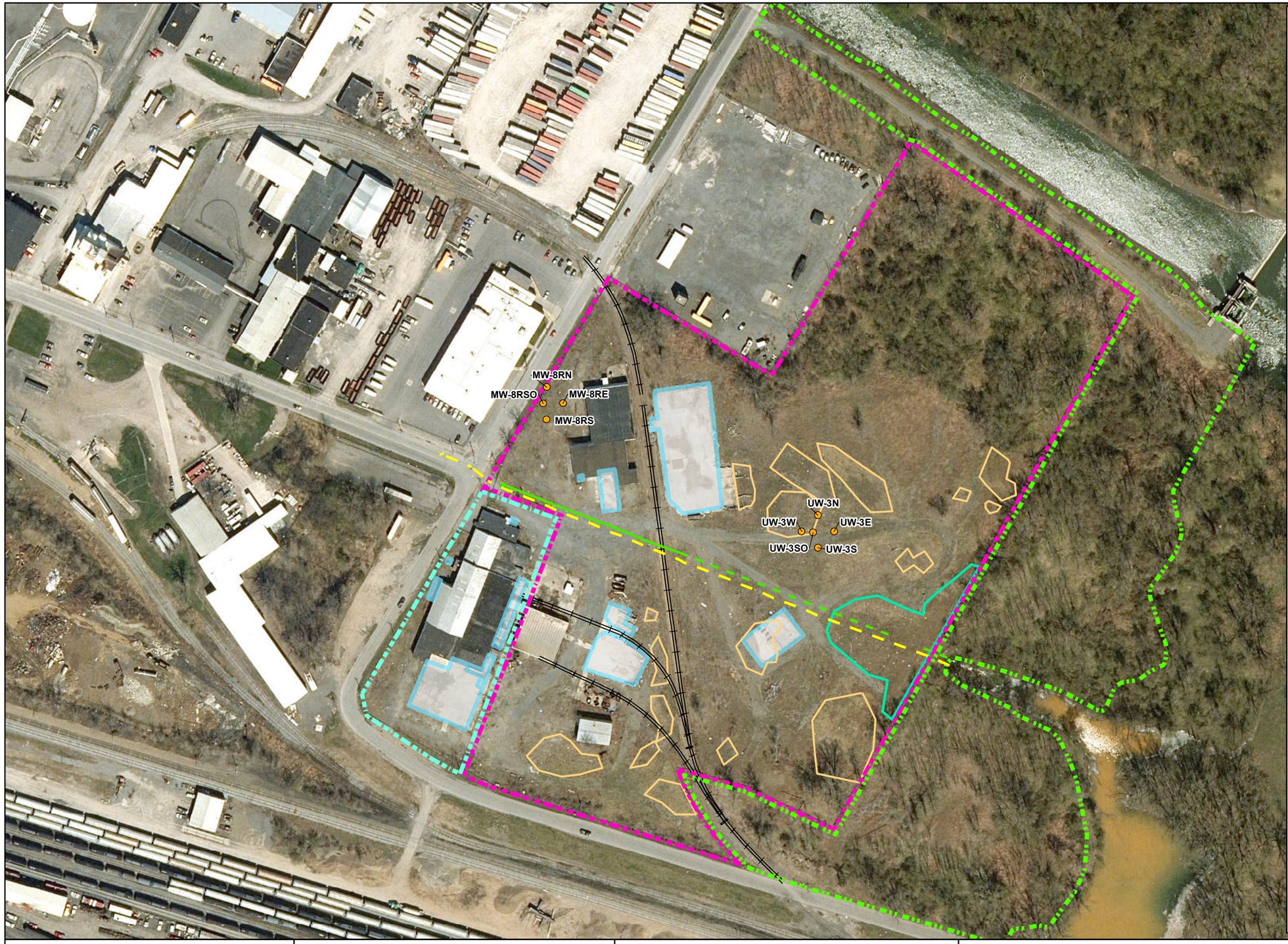
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Figure O-51
PFAS in Surface Soil
(0' to 2")

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LEGEND

PFAS Exceedances:

- Below NYSDEC Guidance Values for PFOS and/or PFOA
- Exceeds NYSDEC Guidance Values for PFOS and/or PFOA
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC Guidance Values:
PFOA = 6.7 ng/L
PFOS = 2.7 ng/L

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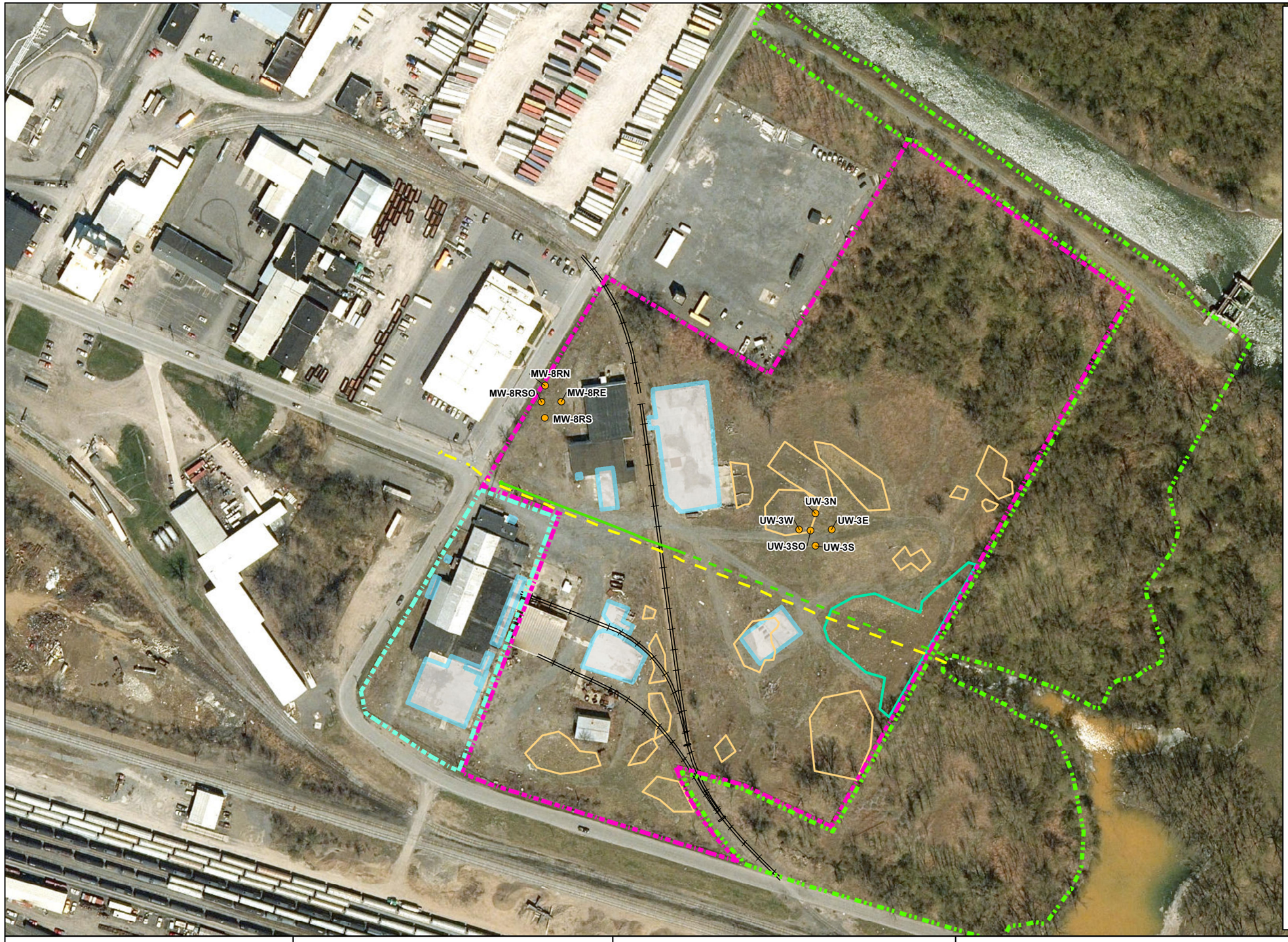
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Figure O-52
PFAS in Subsurface Soil
(2" to 2')

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LEGEND

PFAS Exceedances:

- Below NYSDEC Guidance Values for PFOS and/or PFOA
- Exceeds NYSDEC Guidance Values for PFOS and/or PFOA
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC Guidance Values:
PFOA = 6.7 ng/L
PFOS = 2.7 ng/L

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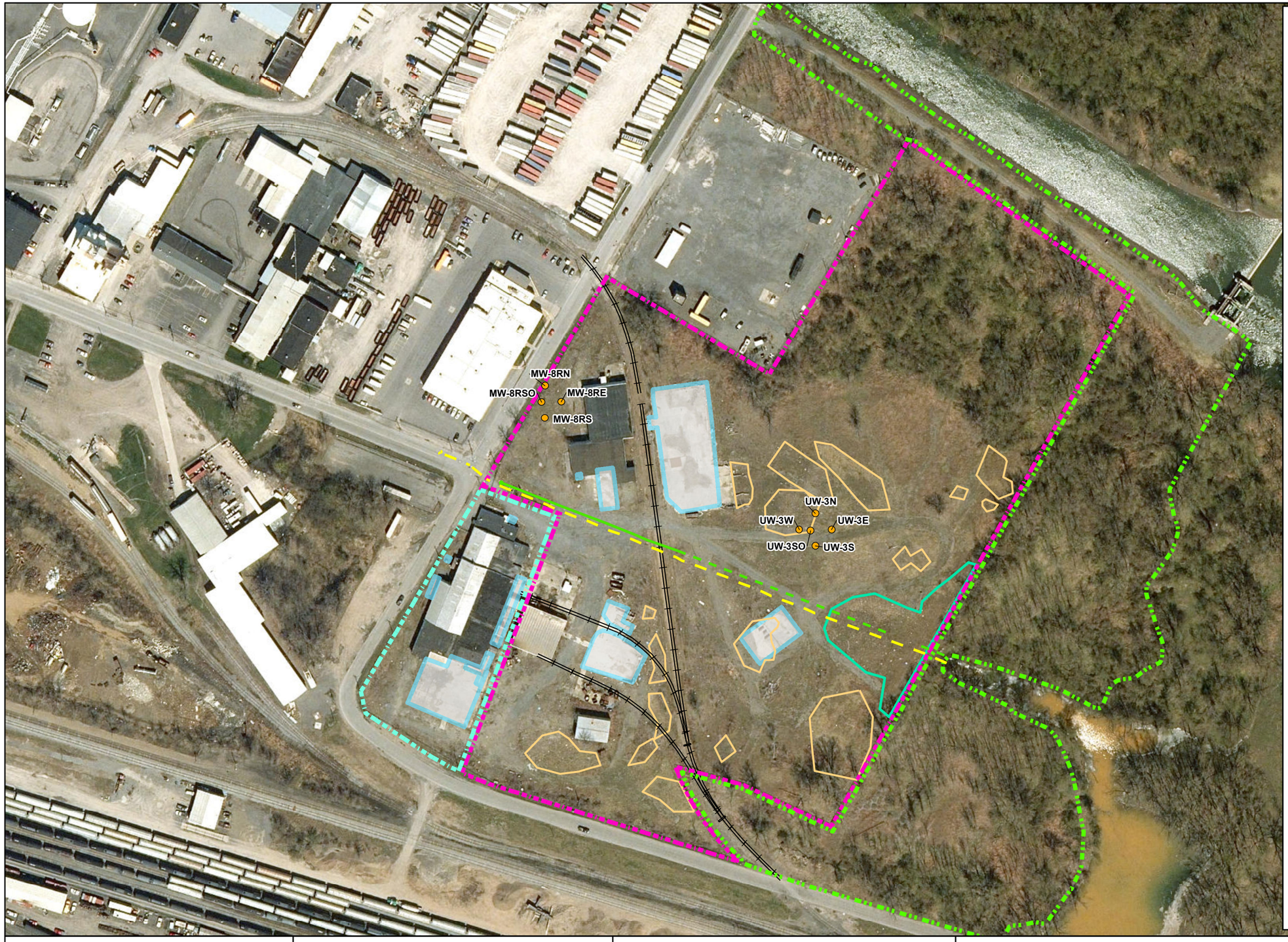
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Figure O-53
PFAS in Subsurface Soil
(2' to 4')

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LEGEND

PFAS Exceedances:

- Below NYSDEC Guidance Values for PFOS and/or PFOA
- Exceeds NYSDEC Guidance Values for PFOS and/or PFOA
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC Guidance Values:
PFOA = 6.7 ng/L
PFOS = 2.7 ng/L

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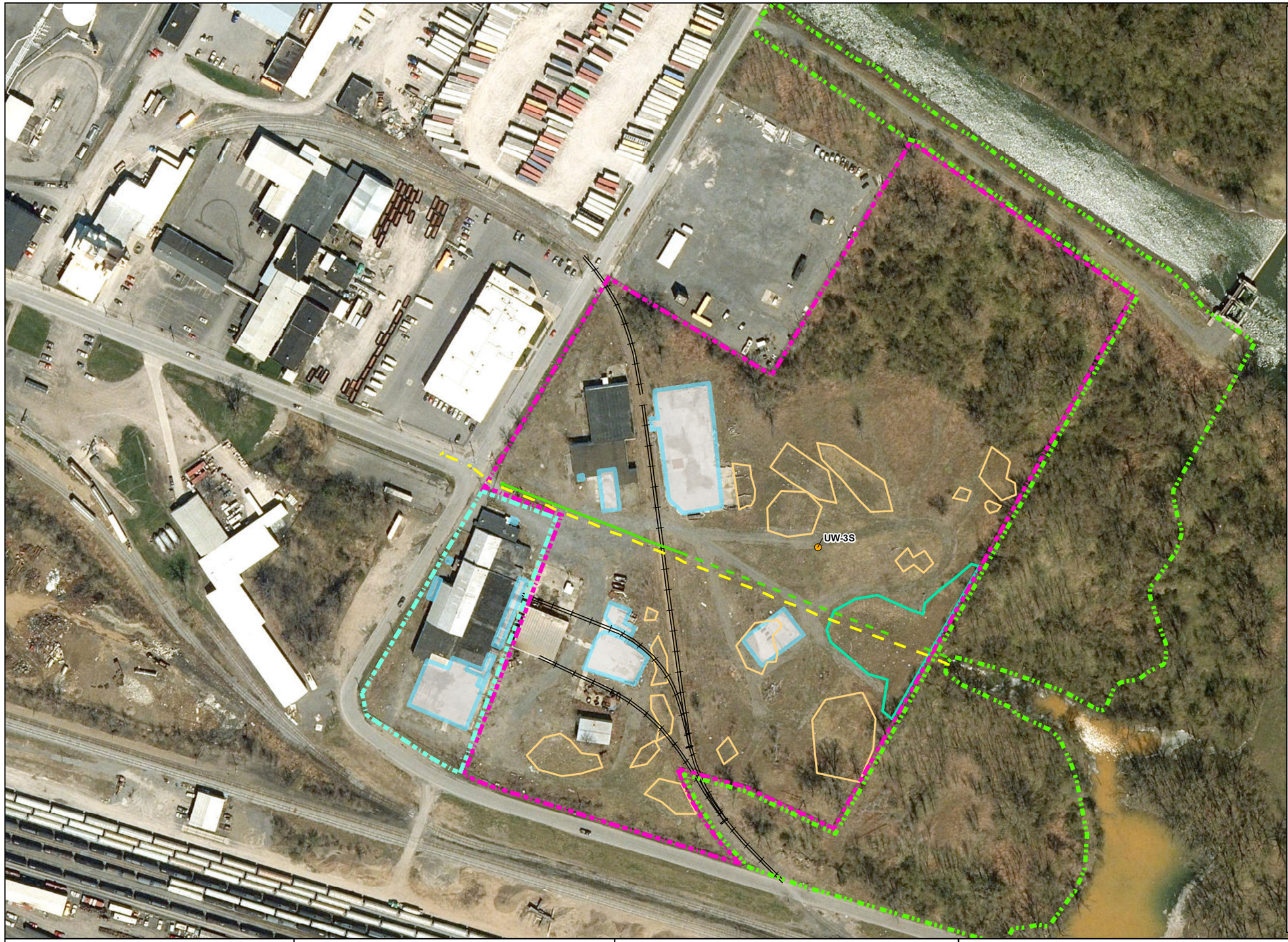
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Figure O-54
PFAS in Subsurface Soil
(4' to 6')

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LEGEND

PFAS Exceedances:

- Below NYSDEC Guidance Values for PFOS and/or PFOA
- Exceeds NYSDEC Guidance Values for PFOS and/or PFOA
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC Guidance Values:
PFOA = 6.7 ng/L
PFOS = 2.7 ng/L

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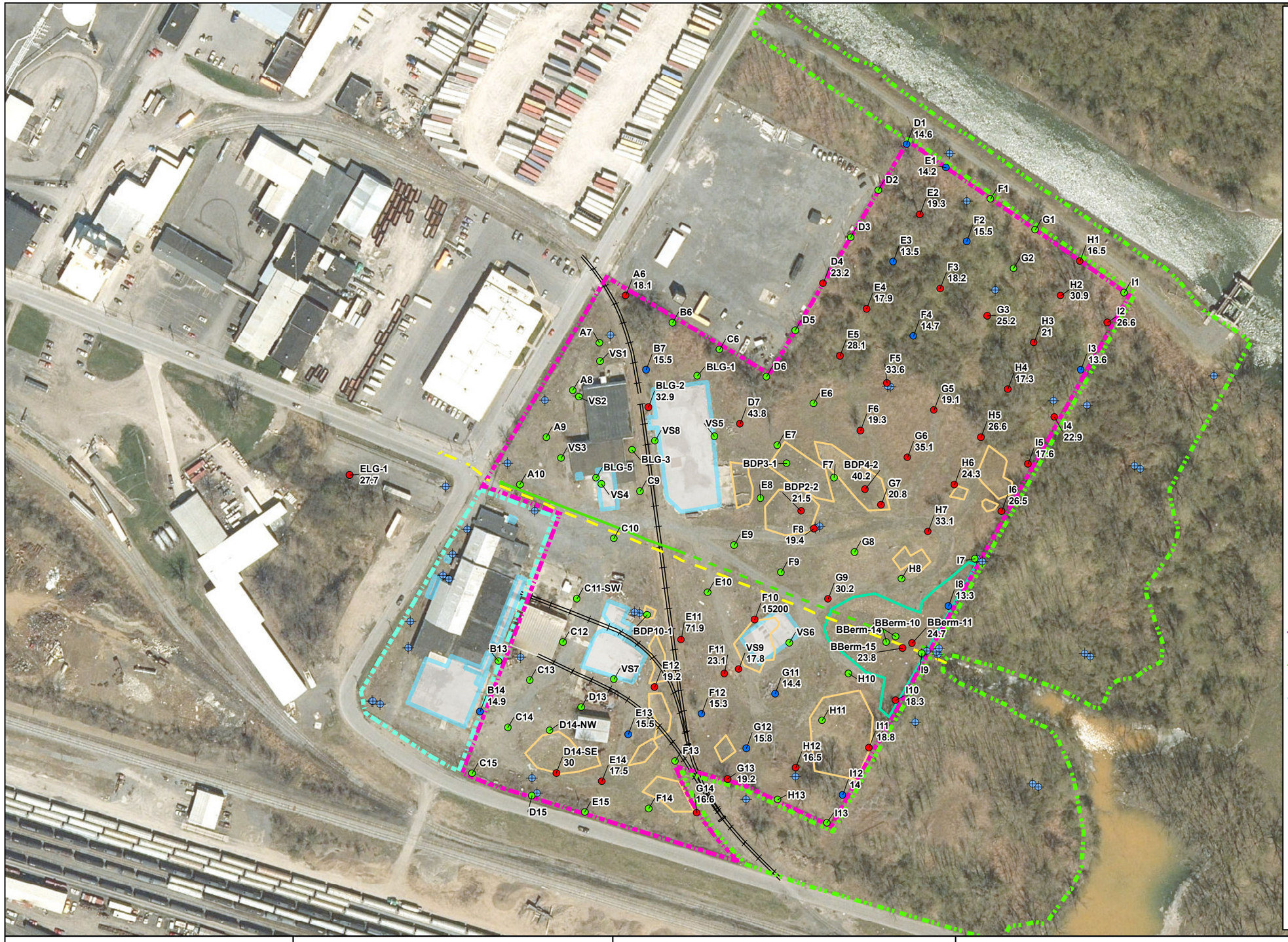
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Feet

Figure O-55
PFAS in Subsurface Soil
(6' to 8')

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LEGEND

Arsenic Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

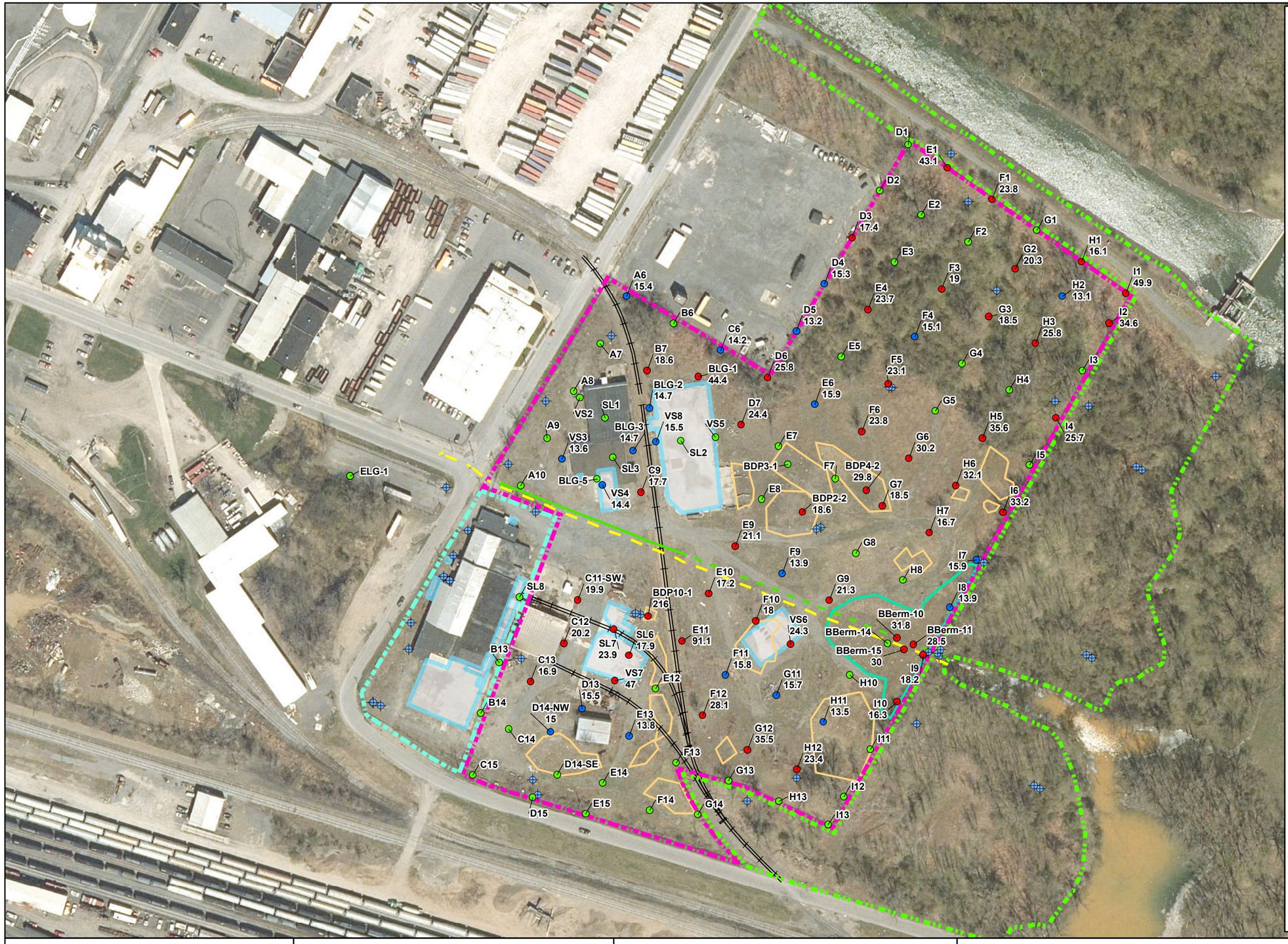
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0 110 220 330 440
Feet

Figure 0-55
Arsenic in Surface Soil
(0 to 2")

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LEGEND

Arsenic Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

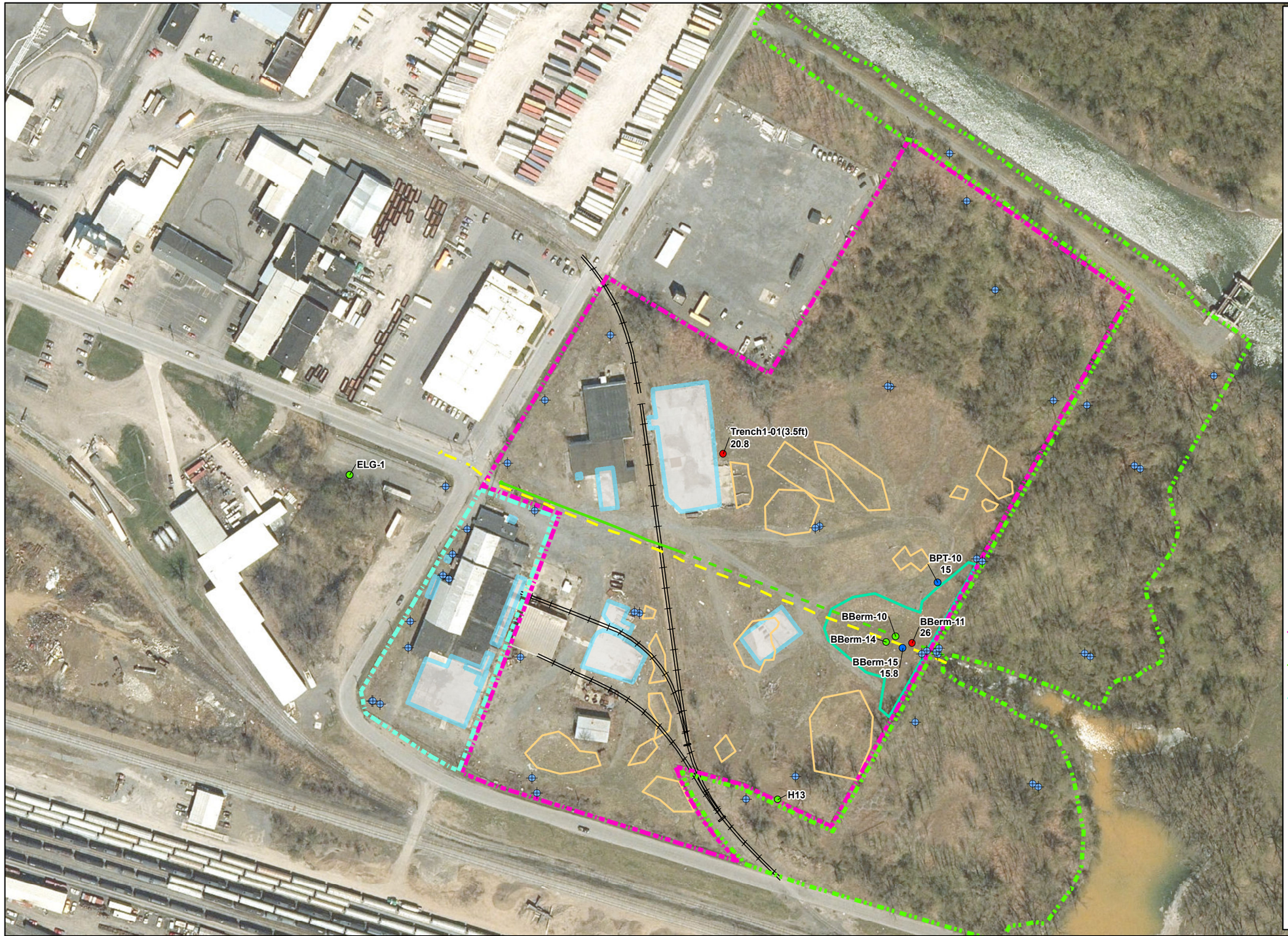
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Feet

Figure 0-56
Arsenic in Suburface Soil
(2" to 2')

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LEGEND

Arsenic Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 0-57
Arsenic in Subsurface Soil
(2' to 4')

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LEGEND

Arsenic Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

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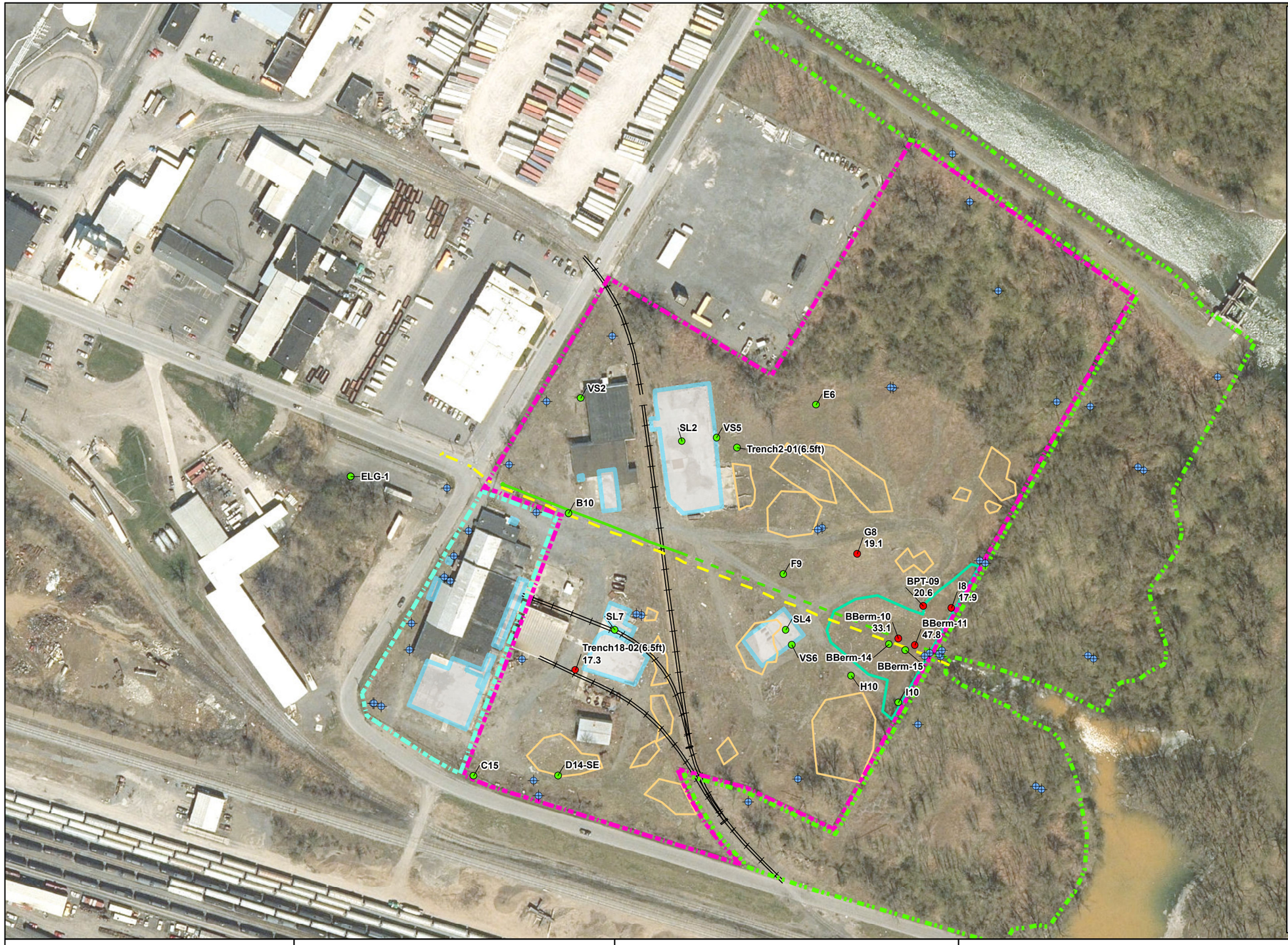
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Feet

Figure O-58
Arsenic in Subsurface Soil
(4' to 6')

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LEGEND

Arsenic Exceedances:

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

EHS Support

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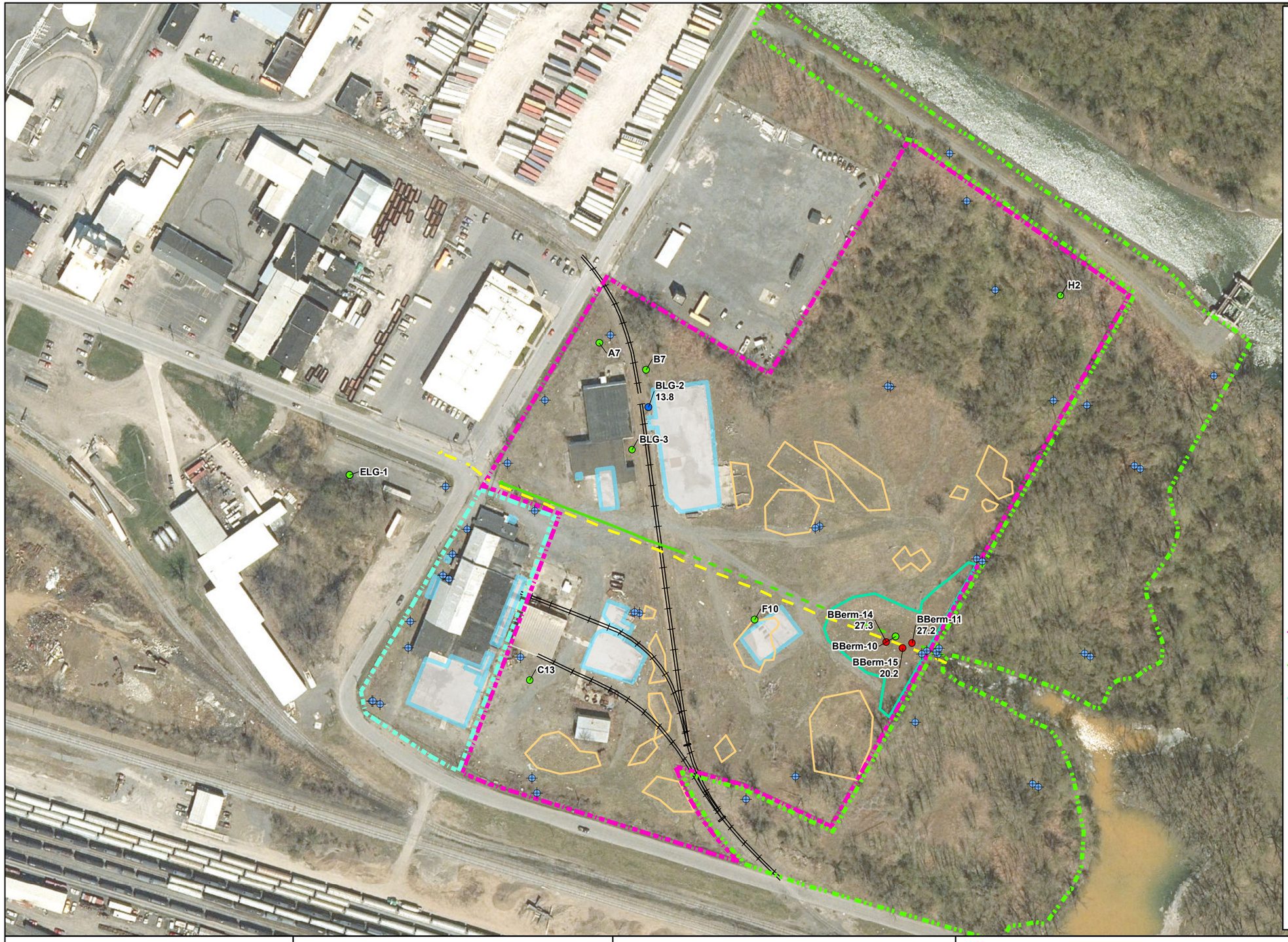
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0 110 220 330 440
Feet

Figure O-59
Arsenic in Subsurface Soil
(6' to 8')

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LEGEND

Arsenic Exceedances:

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

EHS Support

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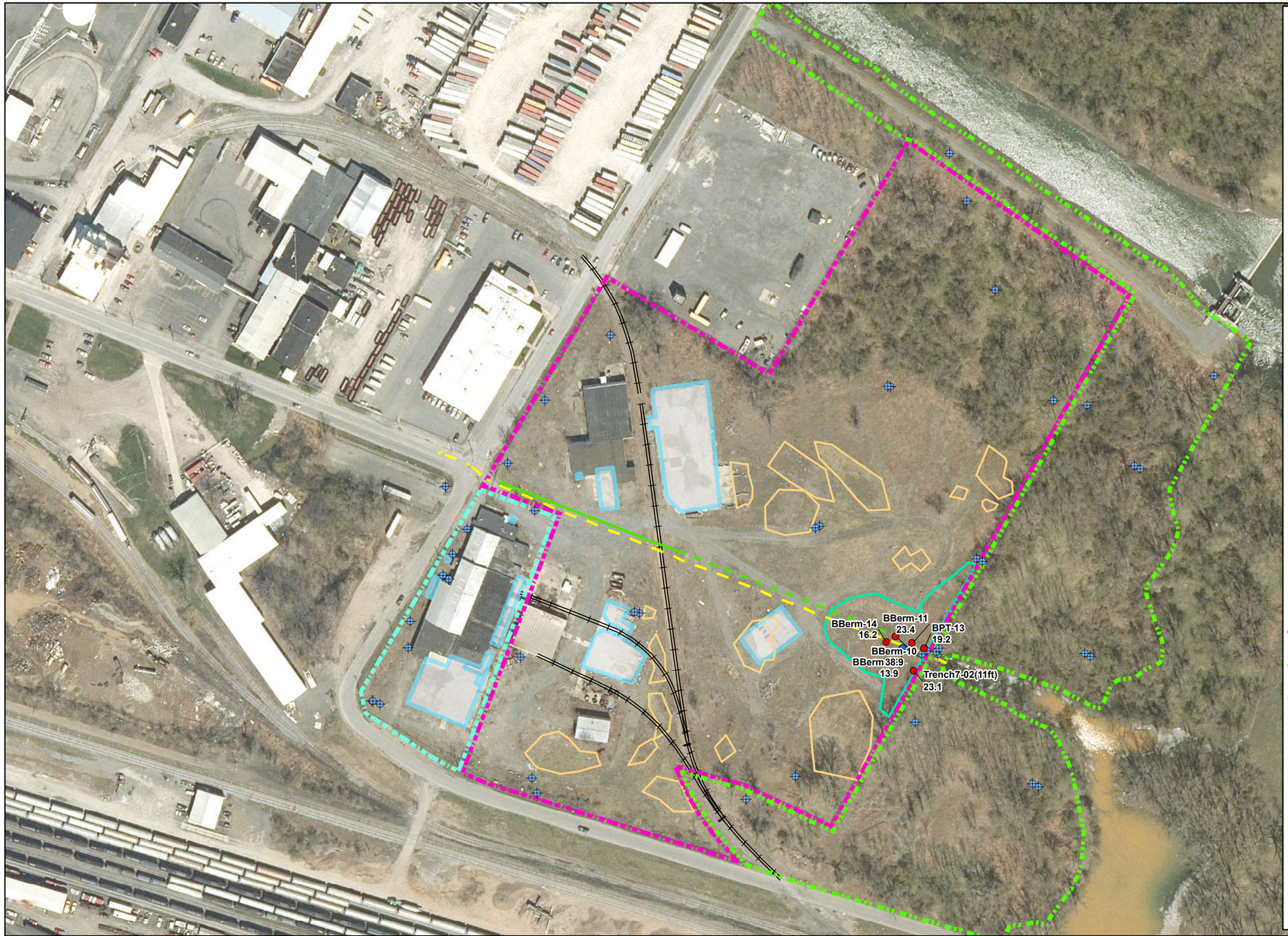
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0 110 220 330 440
Feet

Figure O-60
Arsenic in Subsurface Soil
(8' to 10')

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LEGEND

Arsenic Exceedances:

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- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

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N

0 110 220 330 440
Feet

Figure O-61
Arsenic in Subsurface Soil
(10' to 12')

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LEGEND

Arsenic Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

EHS Support

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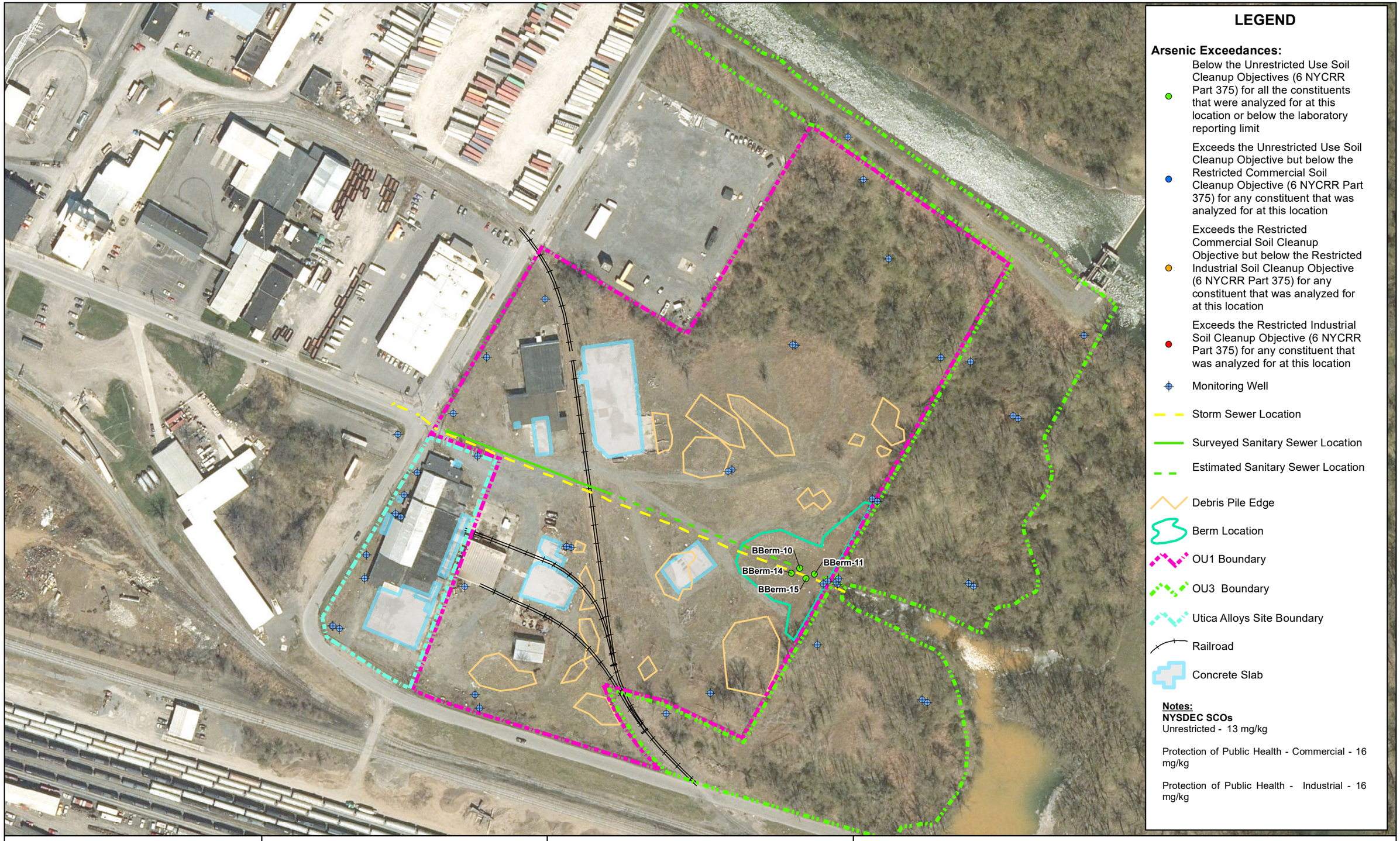
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Feet

Figure O-62
Arsenic in Subsurface Soil
(12' to 14')

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LEGEND

Arsenic Exceedances:

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- Monitoring Well
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

EHS Support

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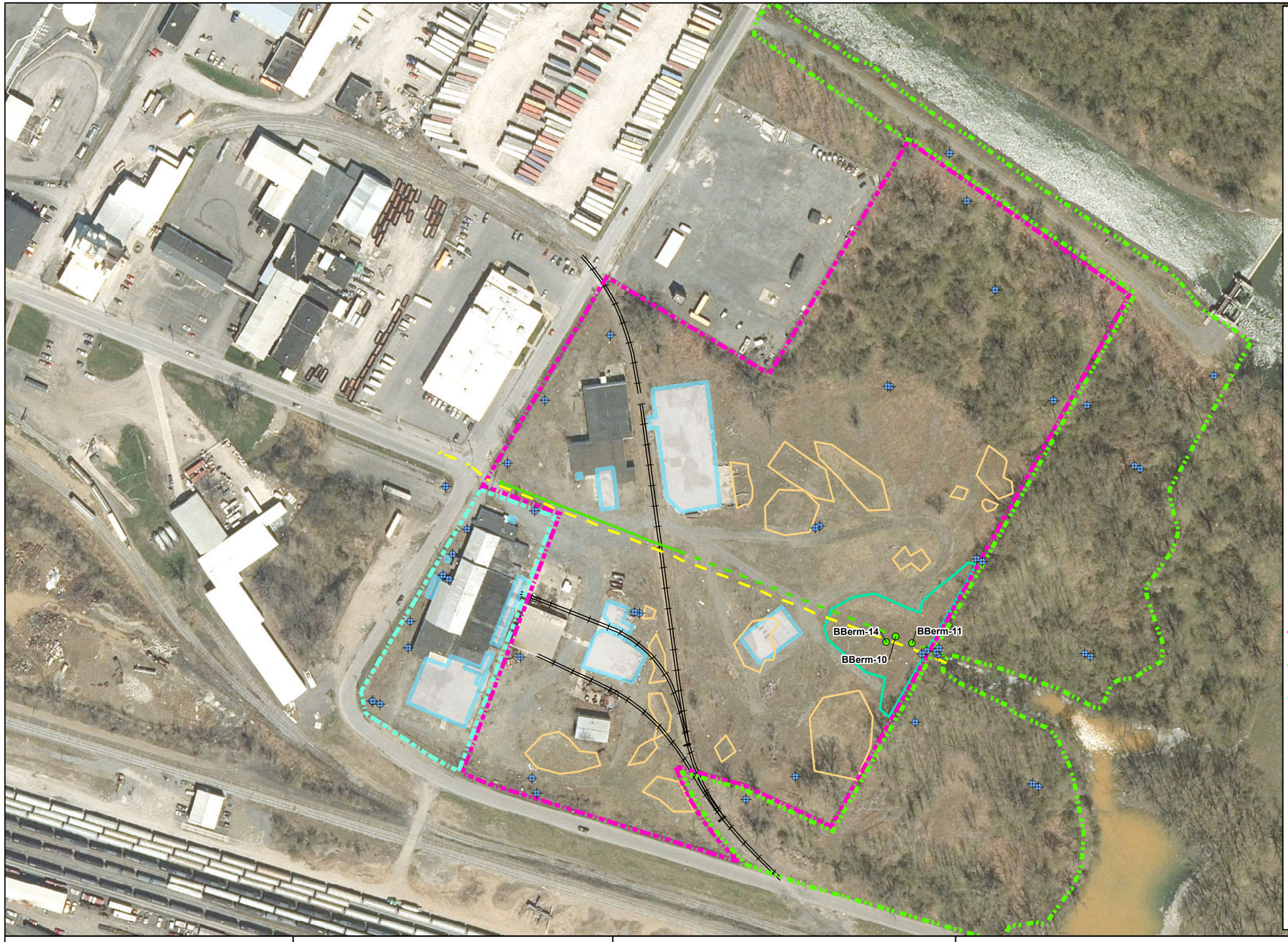
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0 110 220 330 440
Feet

Figure O-63
Arsenic in Subsurface Soil
(14' to 16')

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LEGEND

Arsenic Exceedances:

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- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 13 mg/kg

Protection of Public Health - Commercial - 16 mg/kg

Protection of Public Health - Industrial - 16 mg/kg

EHS Support

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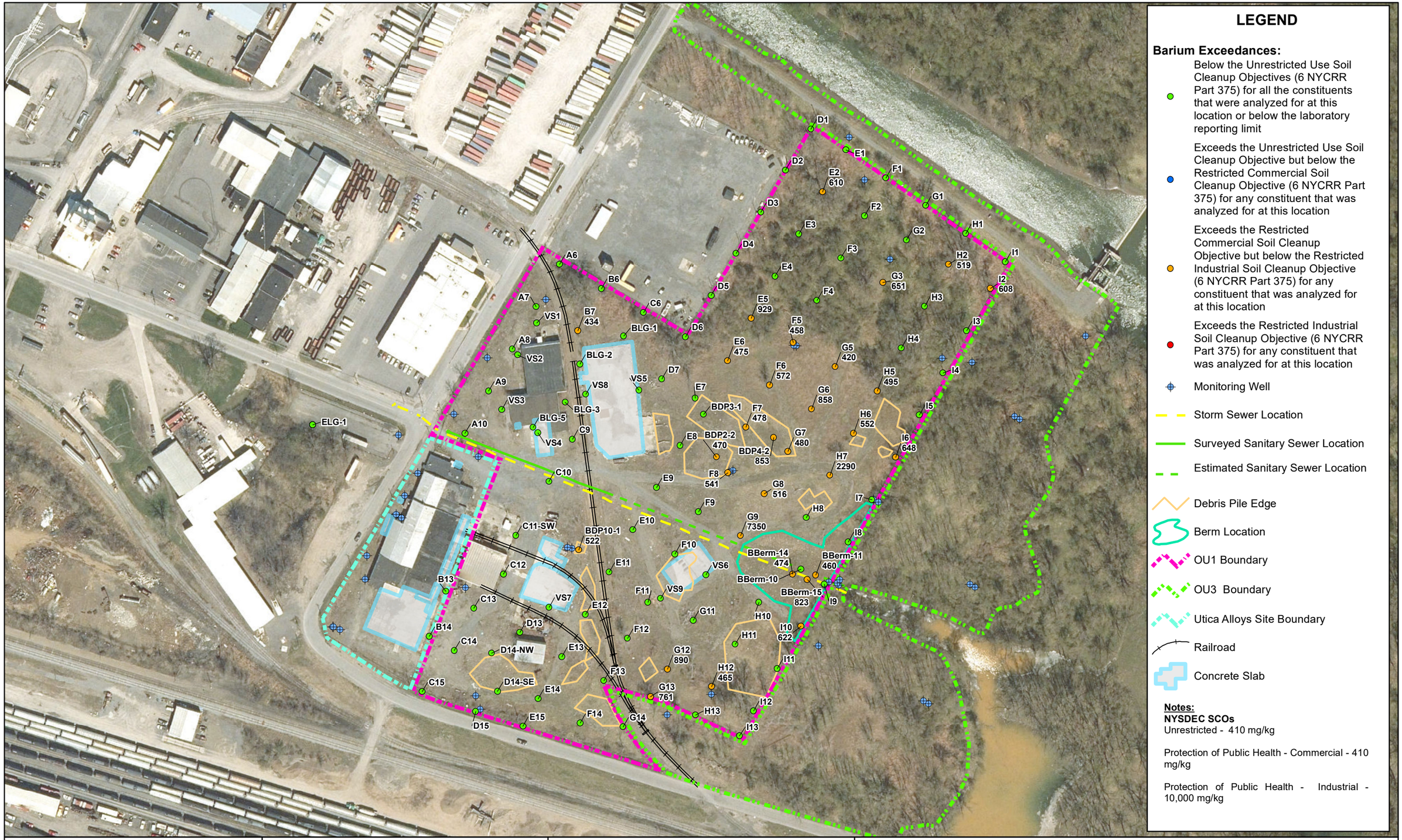
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0 110 220 330 440
Feet

Figure O-64
Arsenic in Subsurface Soil
(18' to 20')

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LEGEND

Barium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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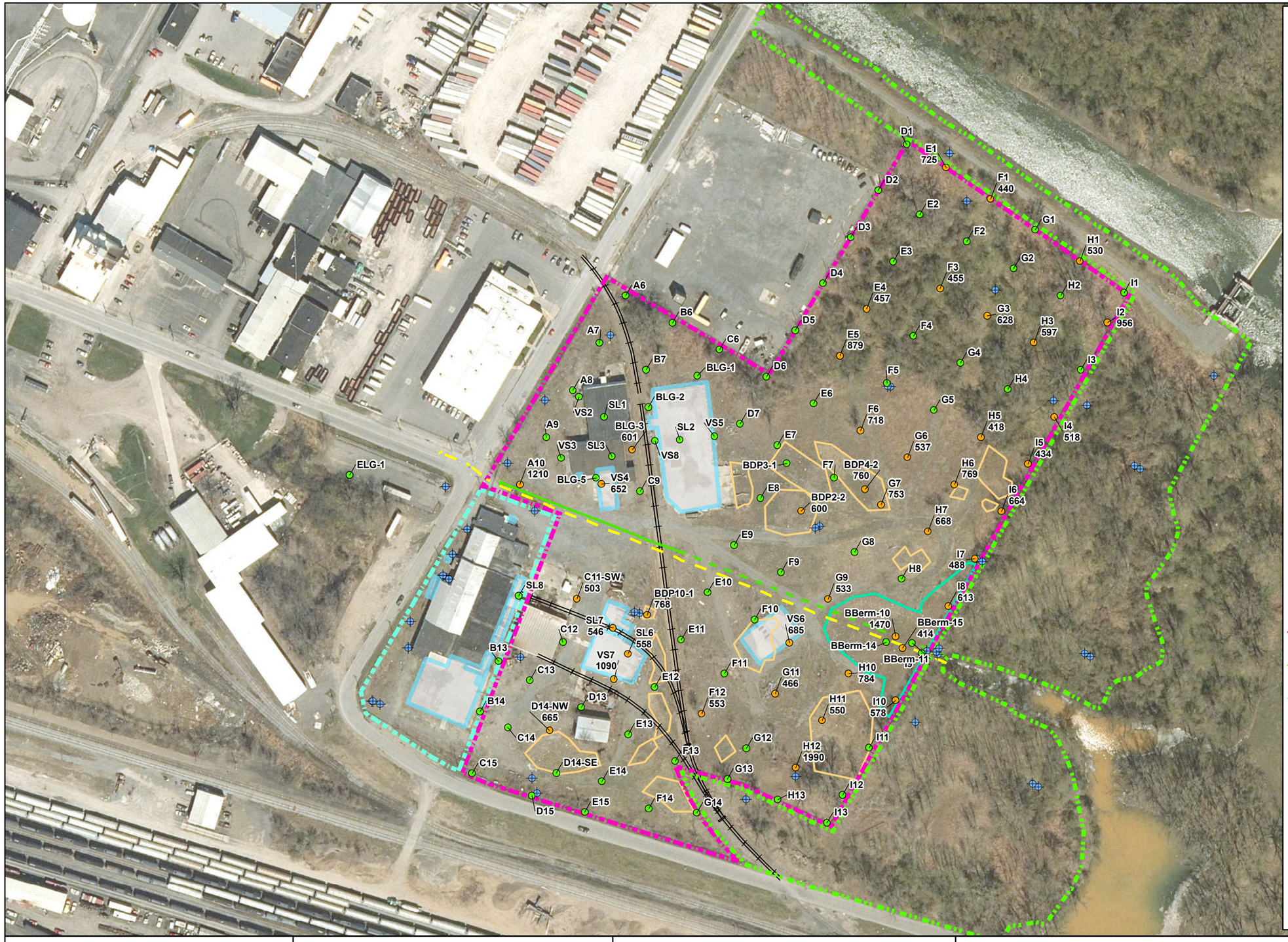
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Feet

Figure O-65
Barium in Surface Soil
(0 to 2")

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LEGEND

Barium Exceedances:

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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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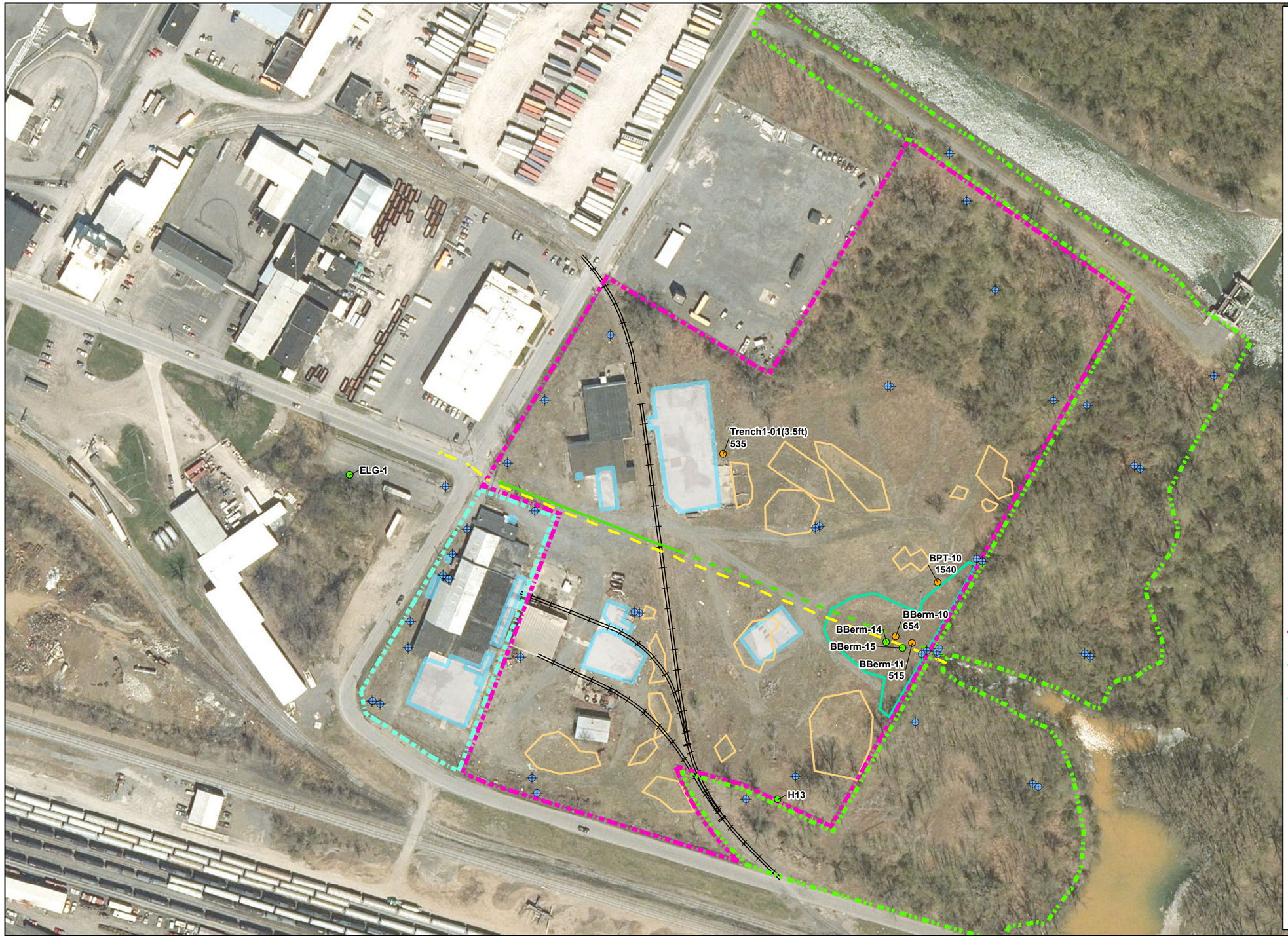
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0 110 220 330 440
Feet

Figure O-66
Barium in Subsurface Soil
(2" to 2')

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LEGEND

Barium Exceedances:

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- Utica Alloys Site Boundary
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- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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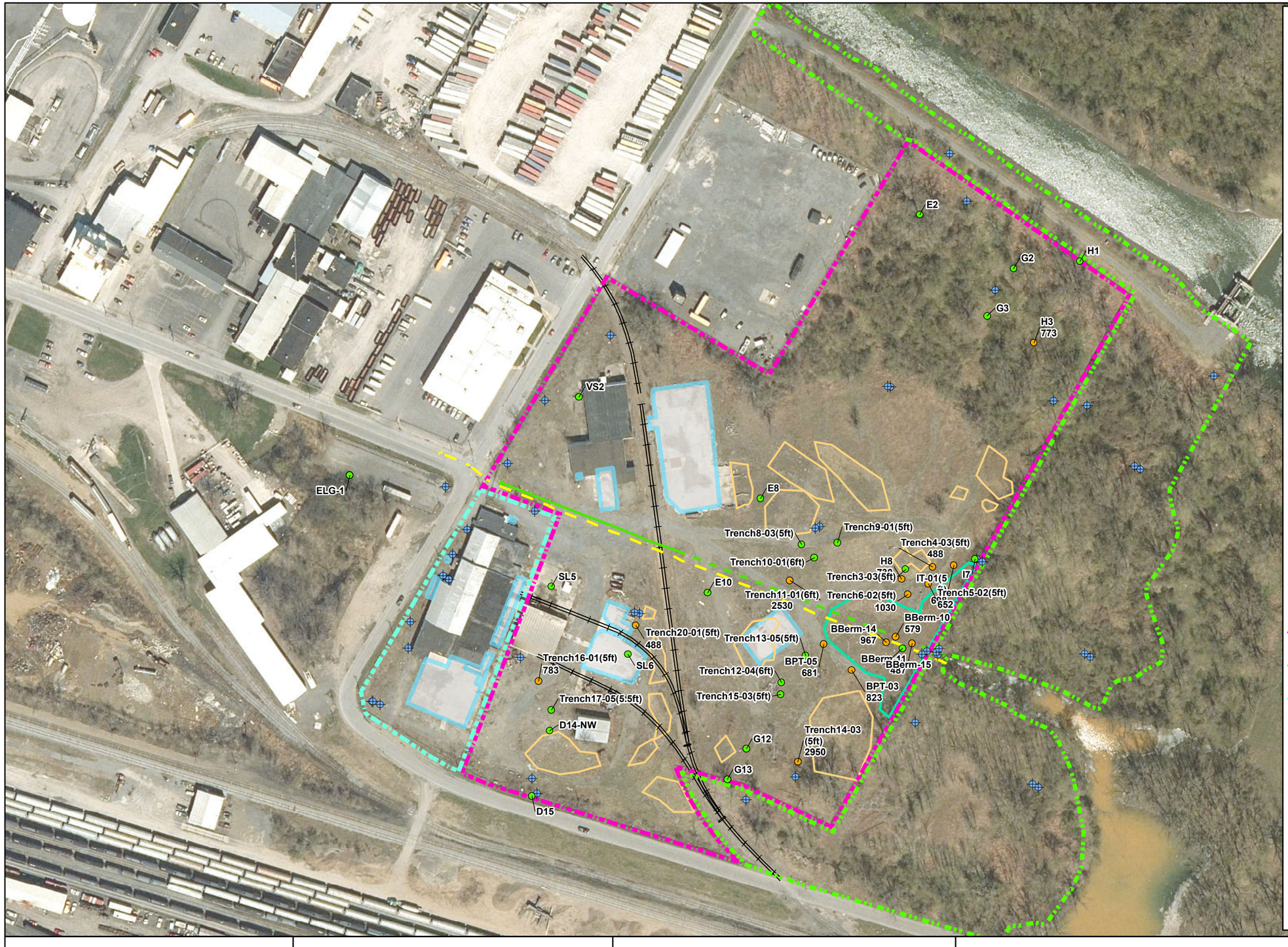
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0 110 220 330 440
Feet

Figure O-67
Barium in Subsurface Soil
(2' to 4')

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LEGEND

Barium Exceedances:

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- Estimated Sanitary Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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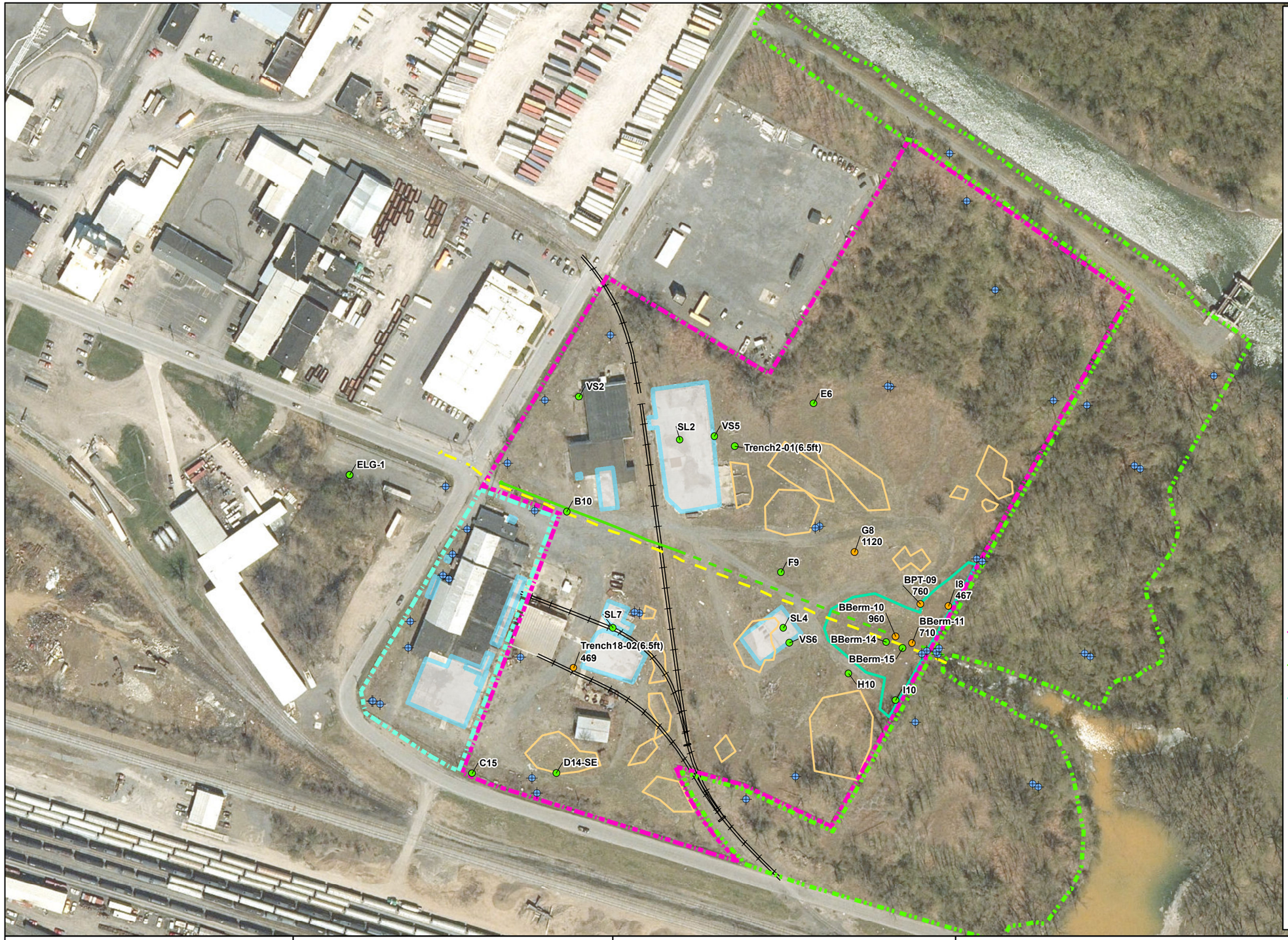
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0 110 220 330 440
Feet

Figure O-68
Barium in Subsurface Soil
(4' to 6')

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LEGEND

Barium Exceedances:

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- Estimated Sanitary Sewer Location
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- Berm Location
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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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UTICA, NEW YORK

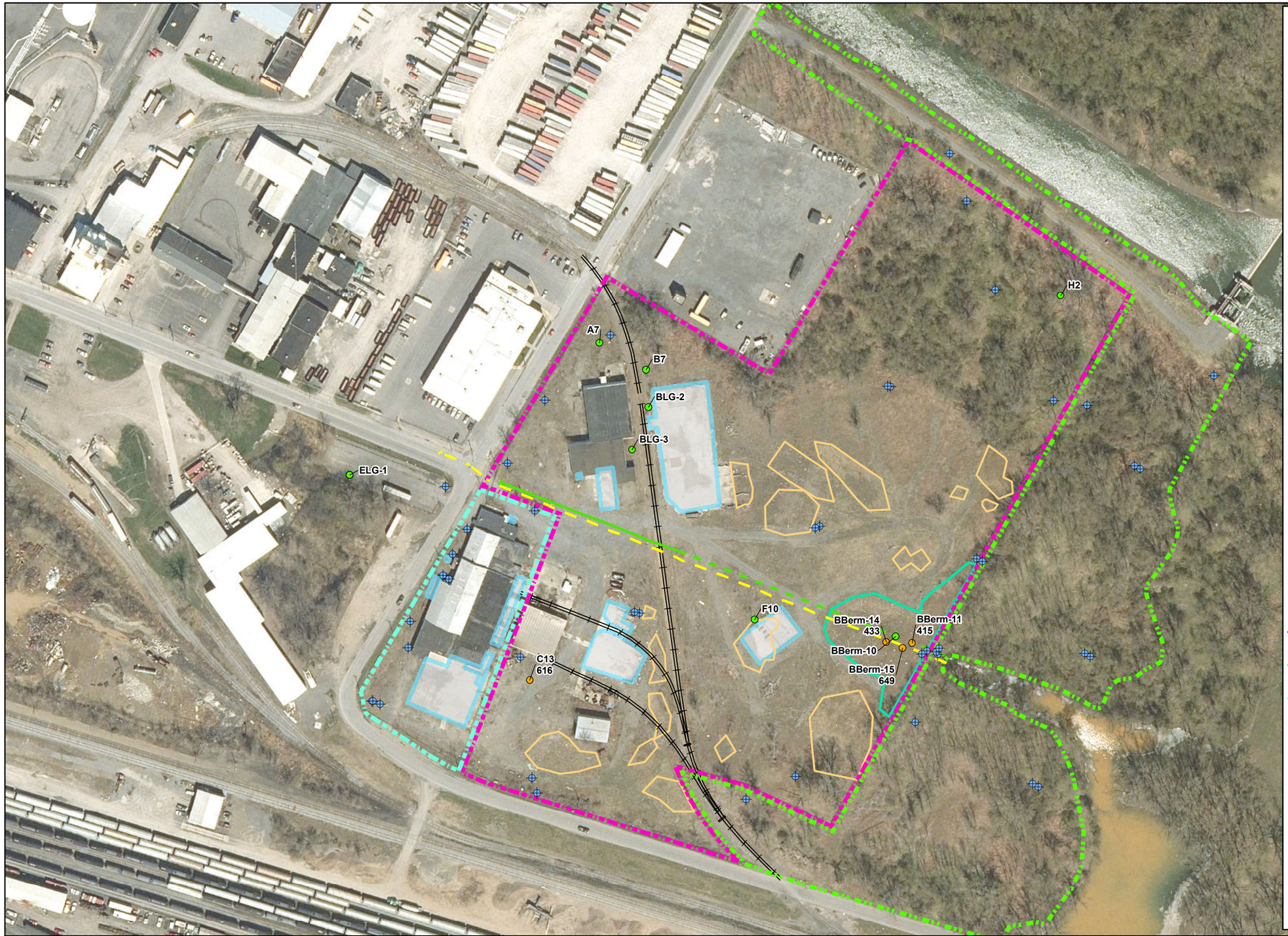
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Feet

Figure O-69
Barium in Subsurface Soil
(6' to 8')

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LEGEND

Barium Exceedances:

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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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N

0 110 220 330 440
Feet

Figure O-70
Barium in Subsurface Soil
(8' to 10')

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LEGEND

Barium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

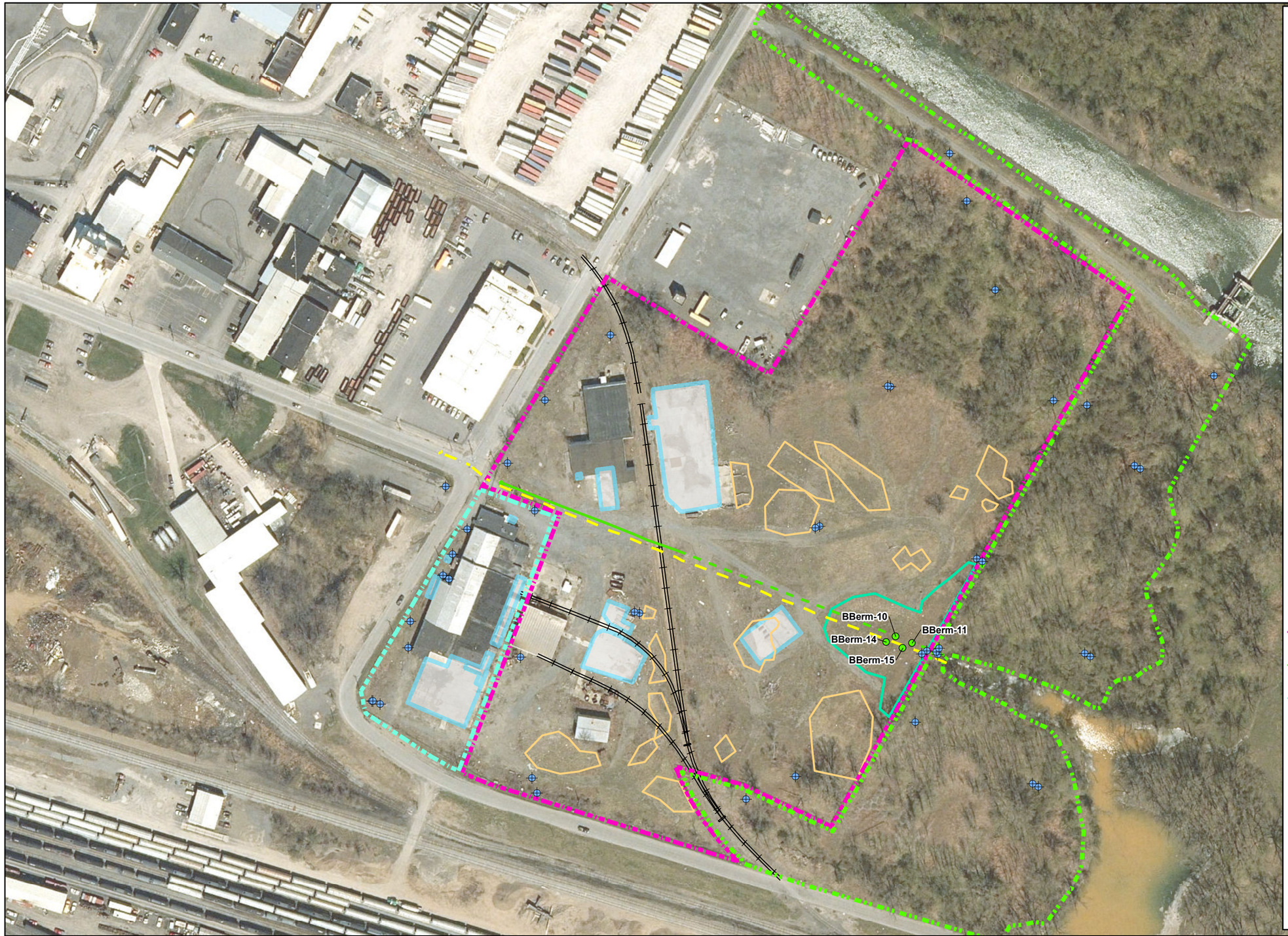
N

0 110 220 330 440
Feet

Figure O-71
Barium in Subsurface Soil
(10' to 12')

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LEGEND

Barium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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UTICA, NEW YORK

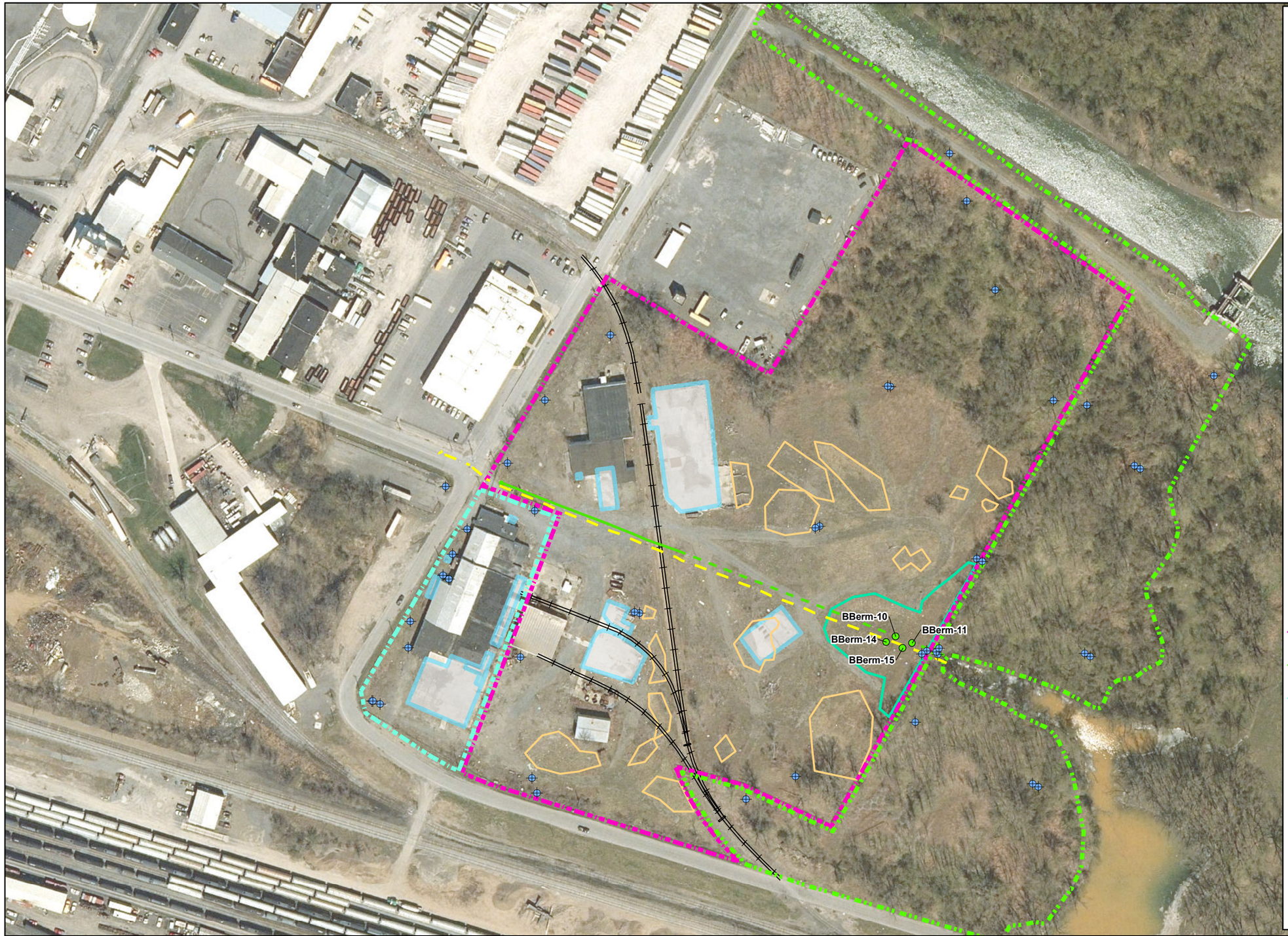
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0 110 220 330 440
Feet

Figure O-72
Barium in Subsurface Soil
(12' to 14')

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LEGEND

Barium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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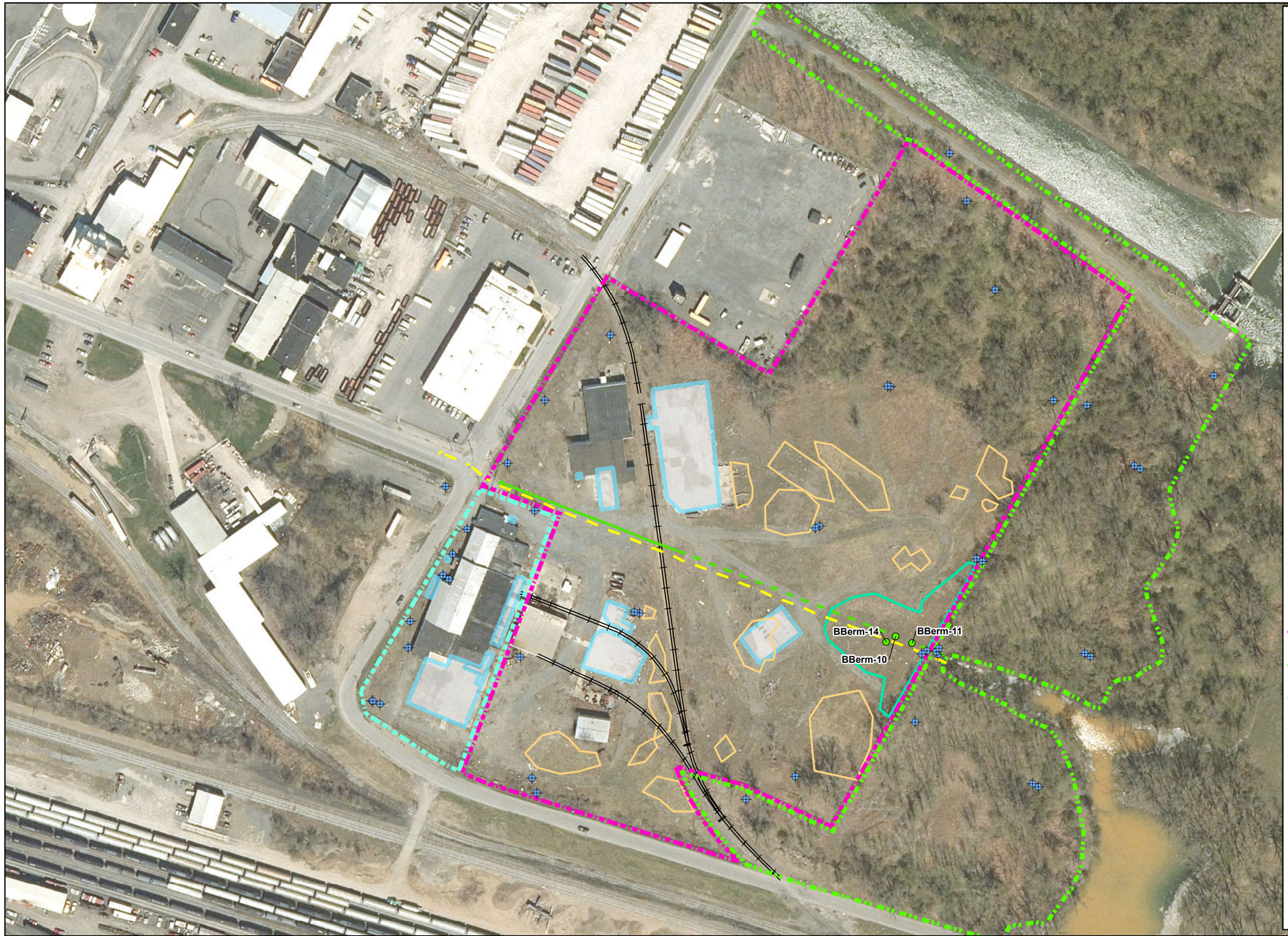
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0 110 220 330 440
Feet

Figure O-73
Barium in Subsurface Soil
(14' to 16')

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LEGEND

Barium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 410 mg/kg

Protection of Public Health - Commercial - 410 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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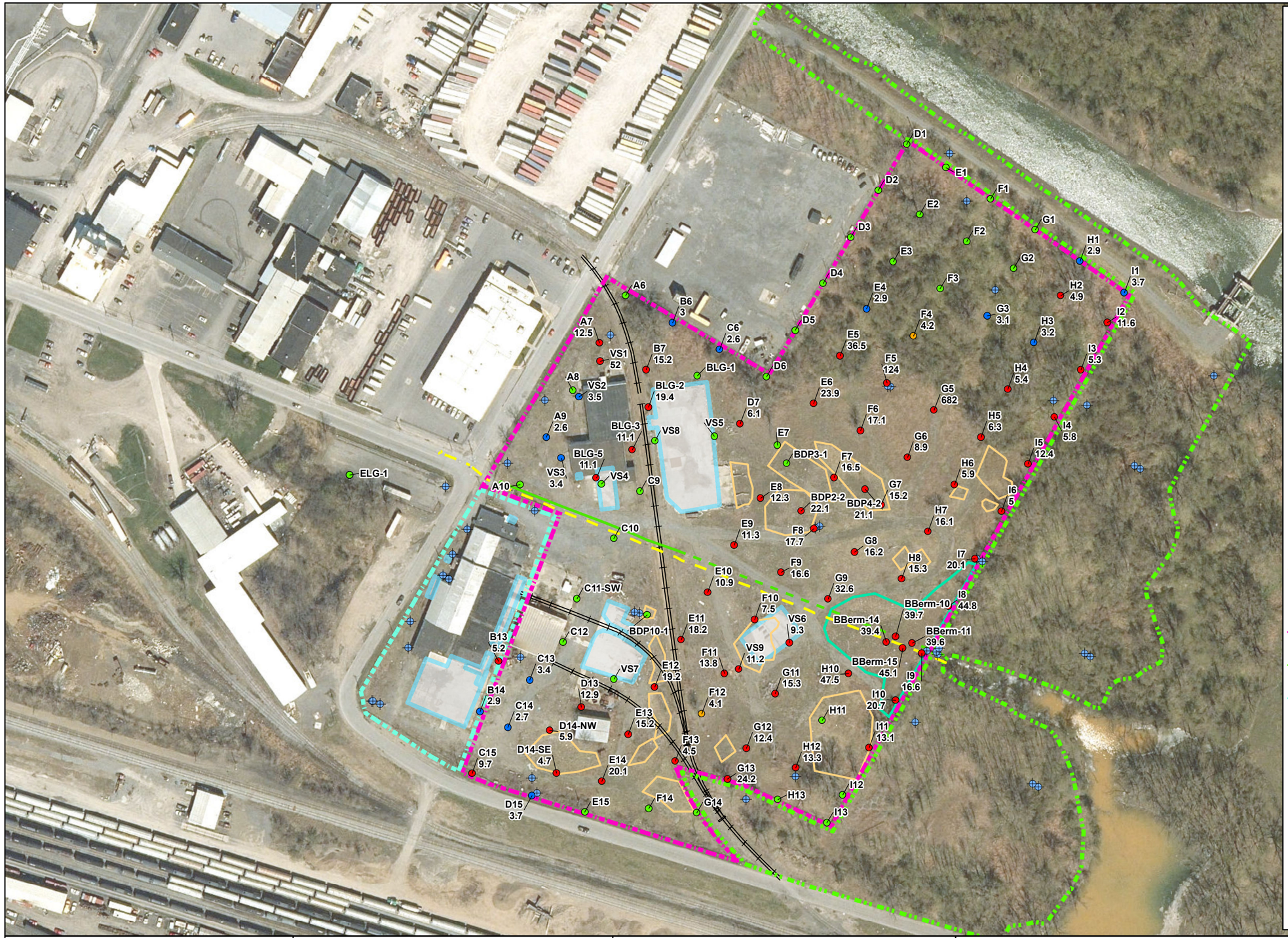
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0 110 220 330 440
Feet

Figure O-74
Barium in Subsurface Soil
(18' to 20')

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LEGEND

Cadmium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2.5 mg/kg

Protection of Public Health - Commercial - 3.7 mg/kg

Protection of Public Health - Industrial - 4.4 mg/kg

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N

0 110 220 330 440
Feet

Figure O-75
Cadmium in Surface Soil
(0 to 2")

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LEGEND

Cadmium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2.5 mg/kg

Protection of Public Health - Commercial - 3.7 mg/kg

Protection of Public Health - Industrial - 4.4 mg/kg

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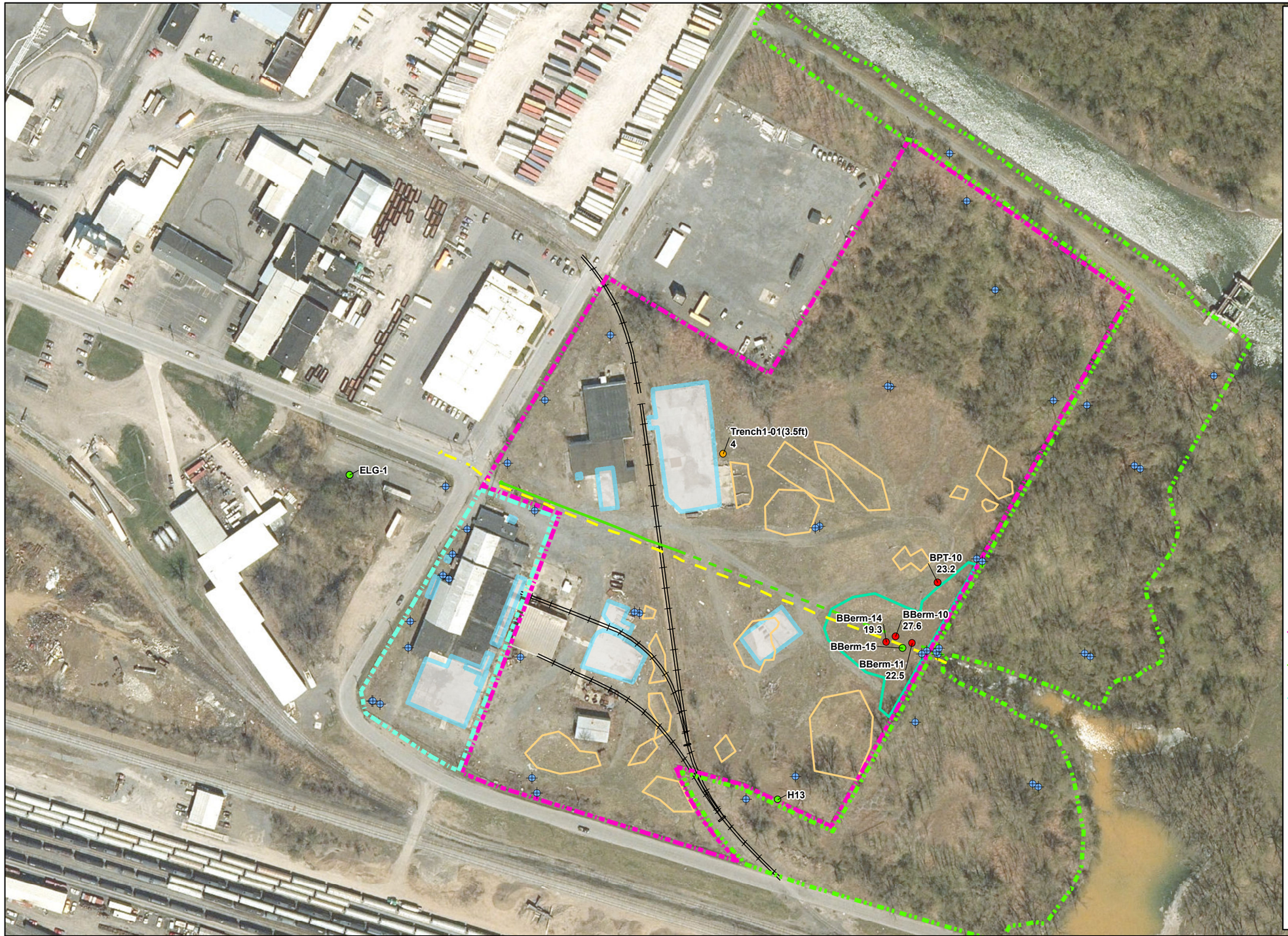
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0 110 220 330 440
Feet

Figure O-76
Cadmium in Subsurface Soil
(2" to 2')

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LEGEND

Cadmium Exceedances:

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- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2.5 mg/kg

Protection of Public Health - Commercial - 3.7 mg/kg

Protection of Public Health - Industrial - 4.4 mg/kg

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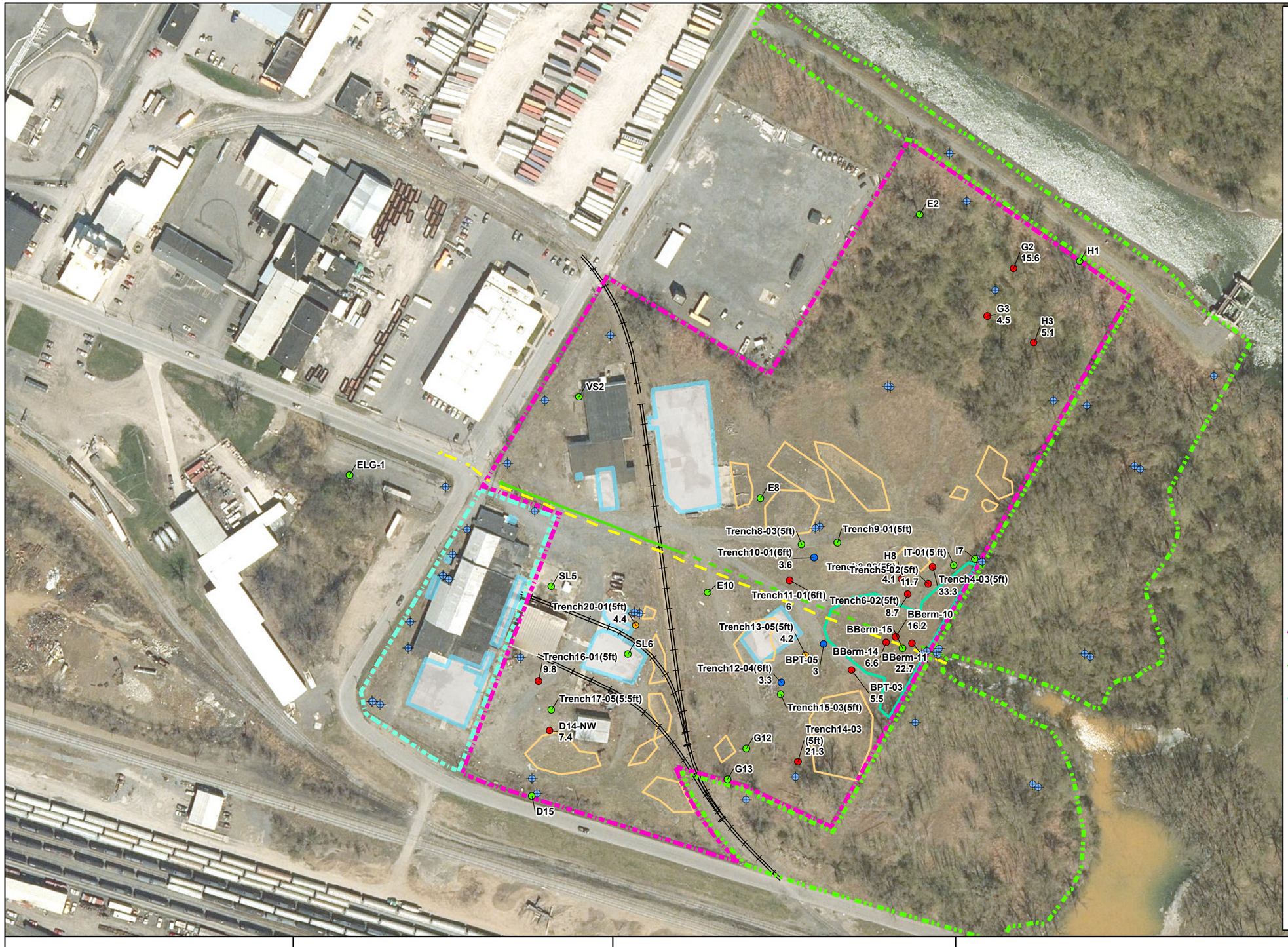
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0 110 220 330 440
Feet

Figure O-77
Cadmium in Subsurface Soil
(2' to 4')

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LEGEND

Cadmium Exceedances:

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- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2.5 mg/kg

Protection of Public Health - Commercial - 3.7 mg/kg

Protection of Public Health - Industrial - 4.4 mg/kg

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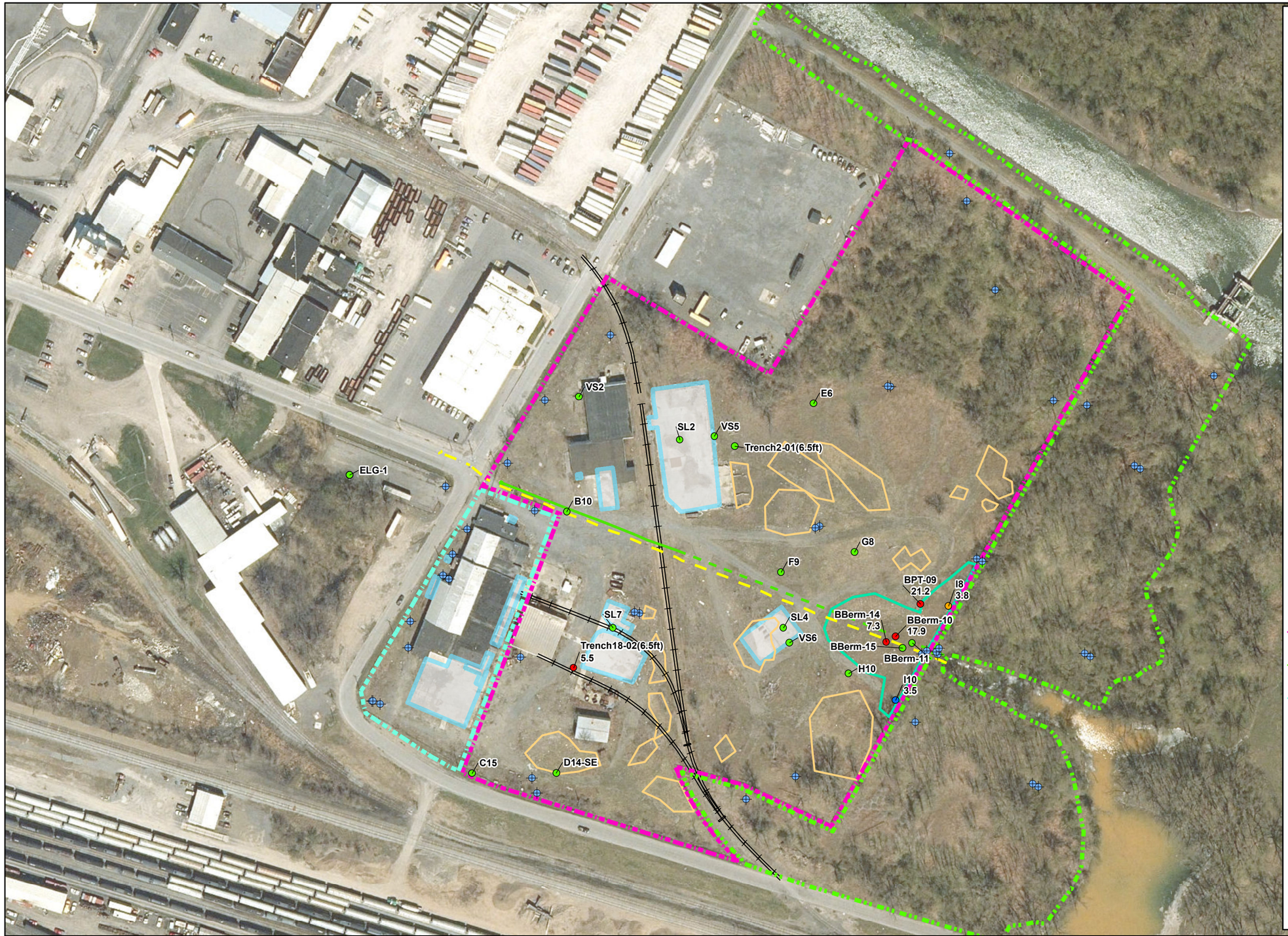
N

0 110 220 330 440
Feet

Figure O-78
Cadmium in Subsurface Soil
(4' to 6')

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LEGEND

Cadmium Exceedances:

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- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2.5 mg/kg

Protection of Public Health - Commercial - 3.7 mg/kg

Protection of Public Health - Industrial - 4.4 mg/kg

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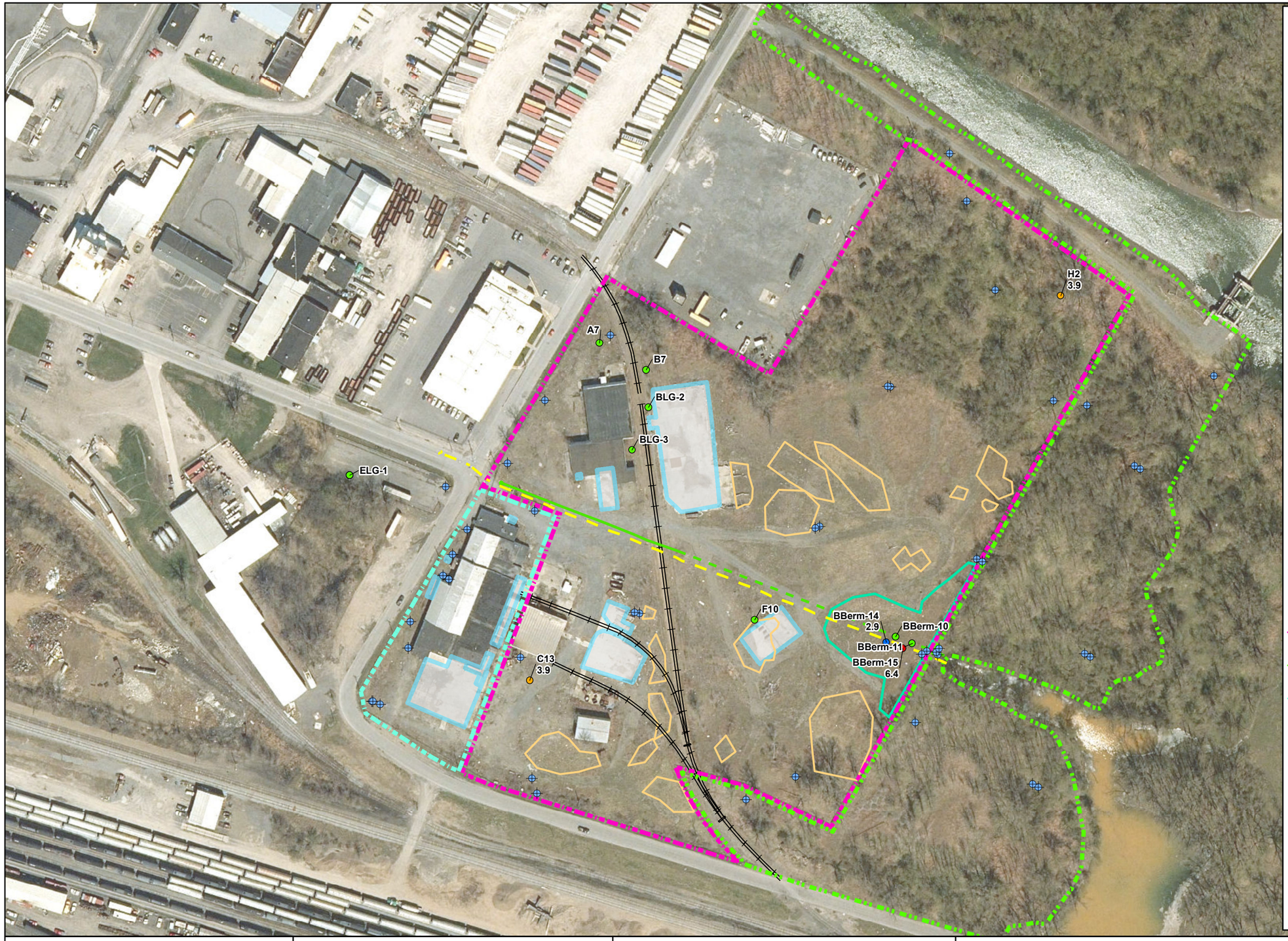
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0 110 220 330 440
Feet

Figure O-79
Cadmium in Subsurface Soil
(6' to 8')

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LEGEND

Cadmium Exceedances:

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2.5 mg/kg

Protection of Public Health - Commercial - 3.7 mg/kg

Protection of Public Health - Industrial - 4.4 mg/kg

EHS Support

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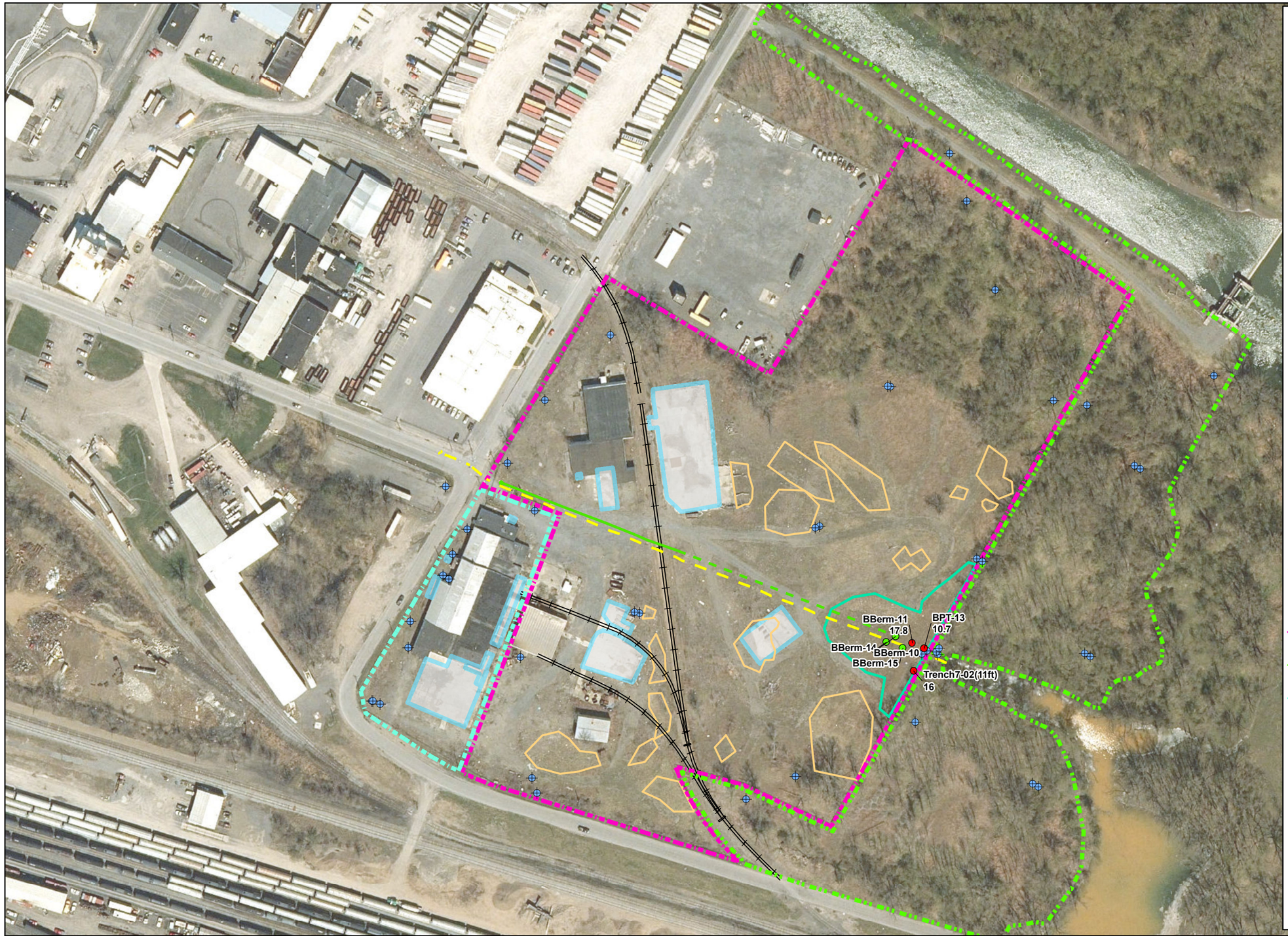
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0 110 220 330 440
Feet

Figure 0-80
Cadmium in Subsurface Soil
(8' to 10')

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LEGEND

Cadmium Exceedances:

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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2.5 mg/kg

Protection of Public Health - Commercial - 3.7 mg/kg

Protection of Public Health - Industrial - 4.4 mg/kg

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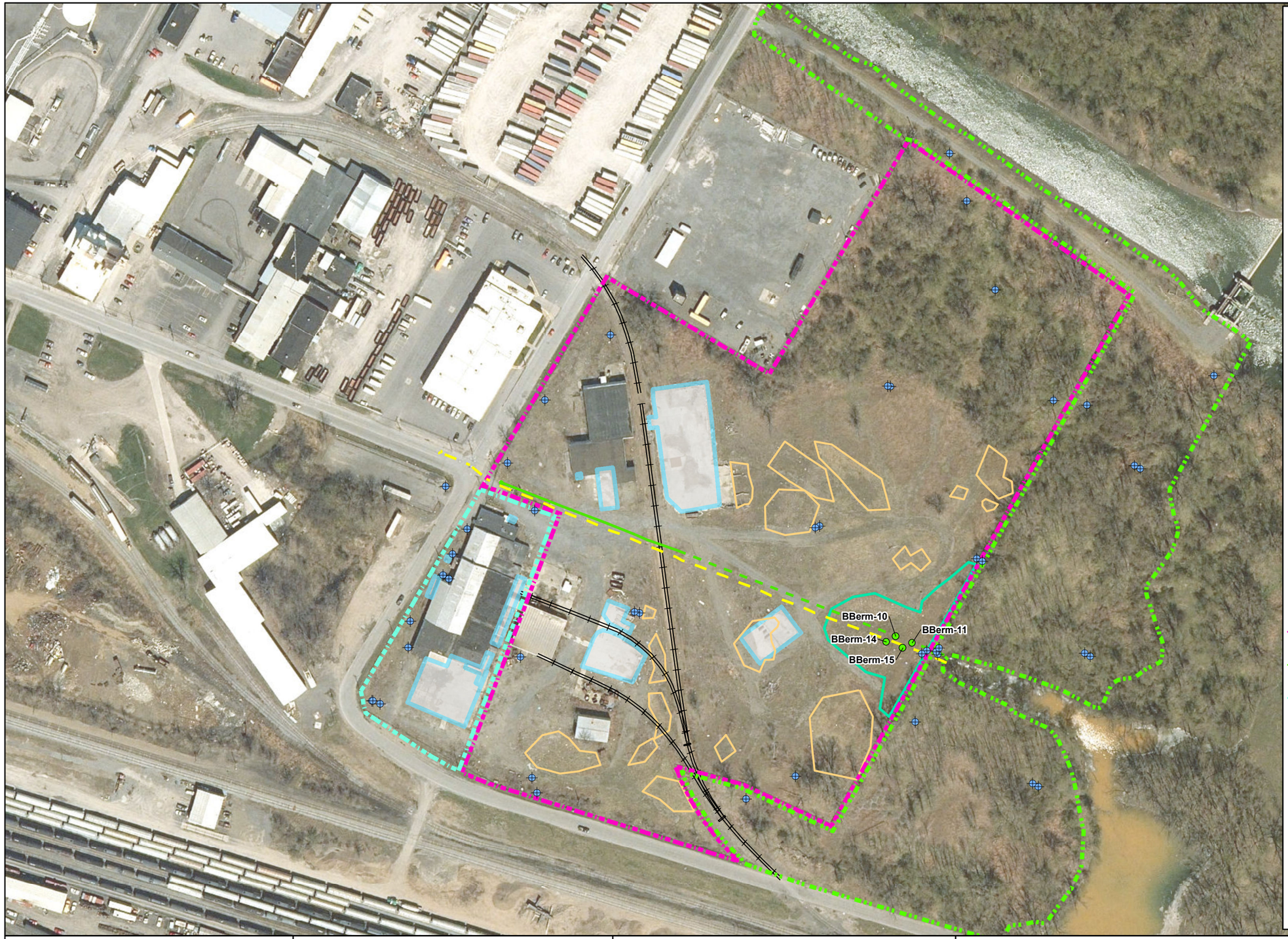
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0 110 220 330 440
Feet

Figure O-81
Cadmium in Subsurface Soil
(10' to 12')

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LEGEND

Cadmium Exceedances:

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2.5 mg/kg

Protection of Public Health - Commercial - 3.7 mg/kg

Protection of Public Health - Industrial - 4.4 mg/kg

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UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure O-82
Cadmium in Subsurface Soil
(14' to 16')

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LEGEND

Copper Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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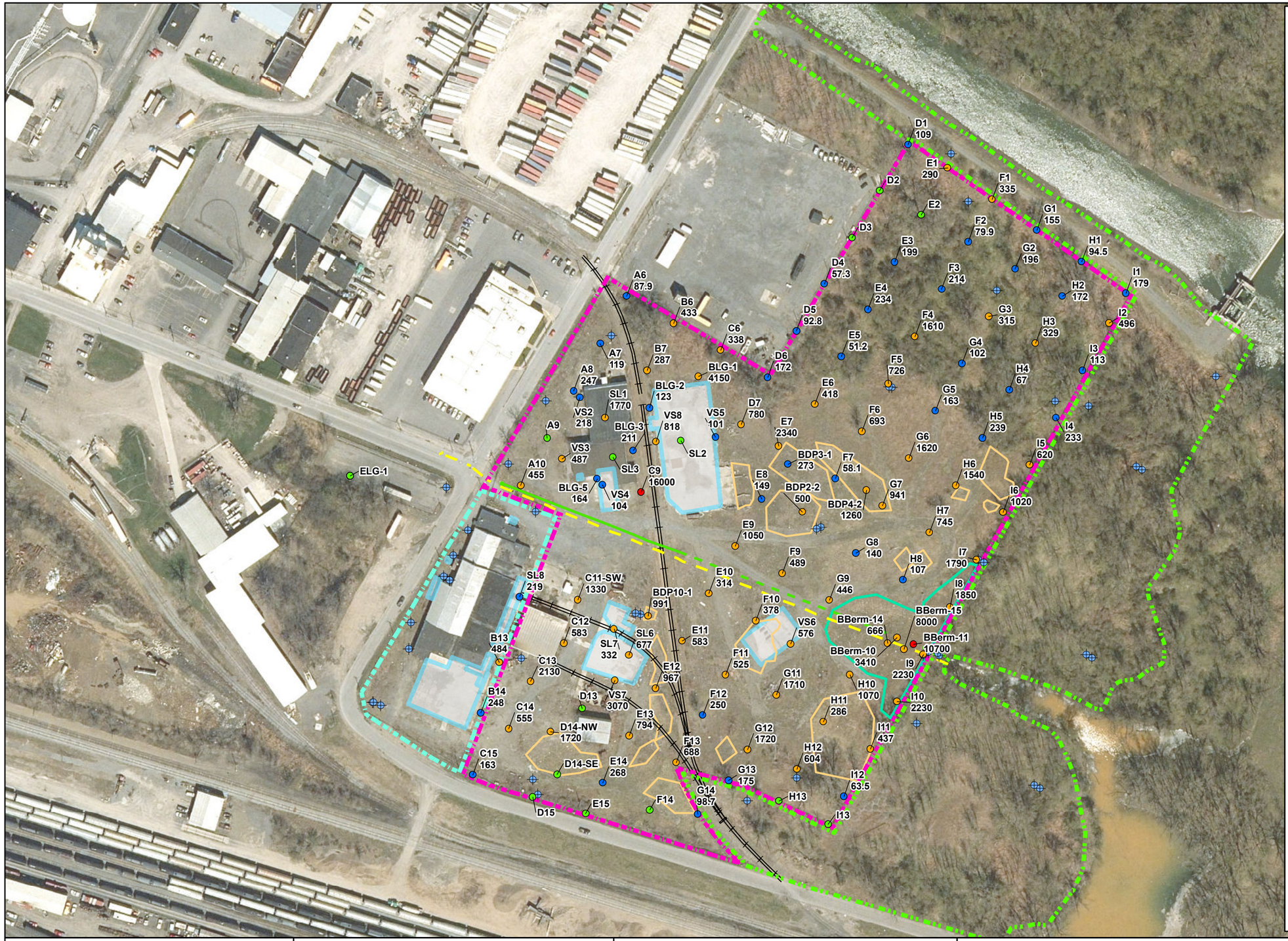
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0 110 220 330 440
Feet

Figure O-84
Copper in Surface Soil
(0 to 2")

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LEGEND

Copper Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Estimated Sanitary Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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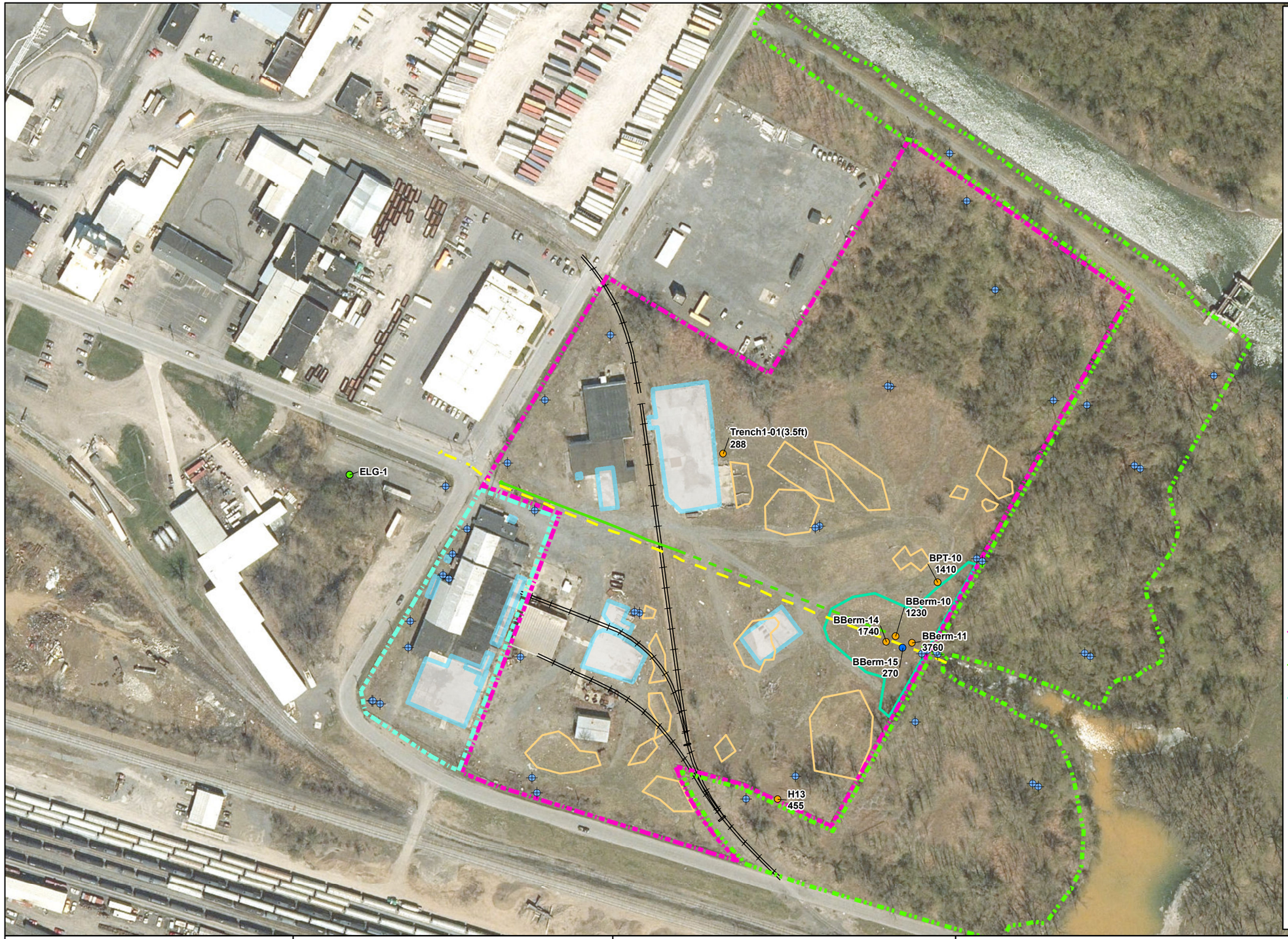
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0 110 220 330 440
Feet

Figure O-85
Copper in Subsurface Soil
(2" to 2')

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LEGEND

Copper Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
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- Estimated Sanitary Sewer Location
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- Berm Location
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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure O-86
Copper in Subsurface Soil
(2' to 4')

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LEGEND

Copper Exceedances:

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- Berm Location
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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

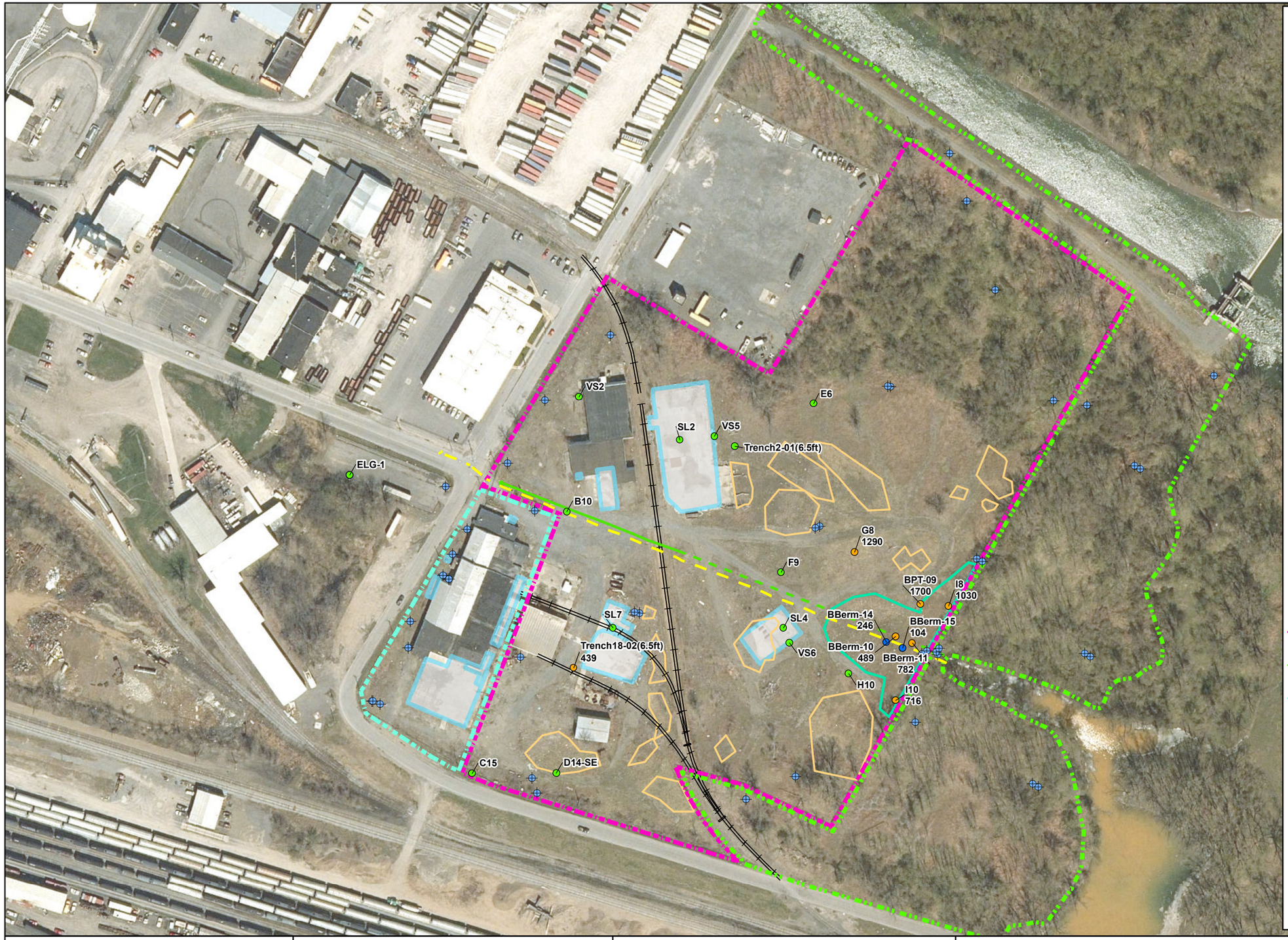
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0 110 220 330 440
Feet

Figure O-87
Copper in Subsurface Soil
(4' to 6')

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LEGEND

Copper Exceedances:

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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UTICA, NEW YORK

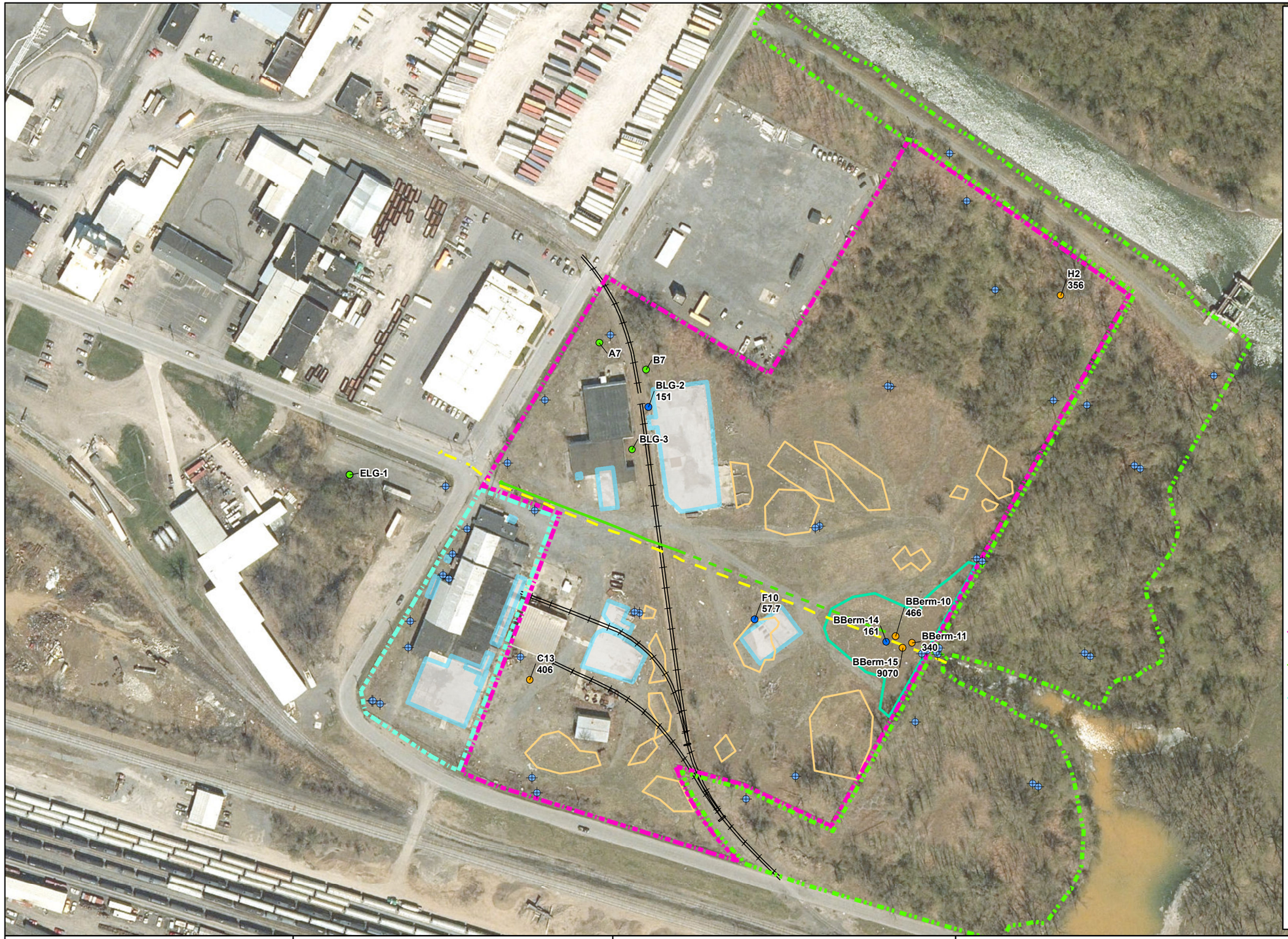
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0 110 220 330 440
Feet

Figure O-88
Copper in Subsurface Soil
(6' to 8')

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LEGEND

Copper Exceedances:

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- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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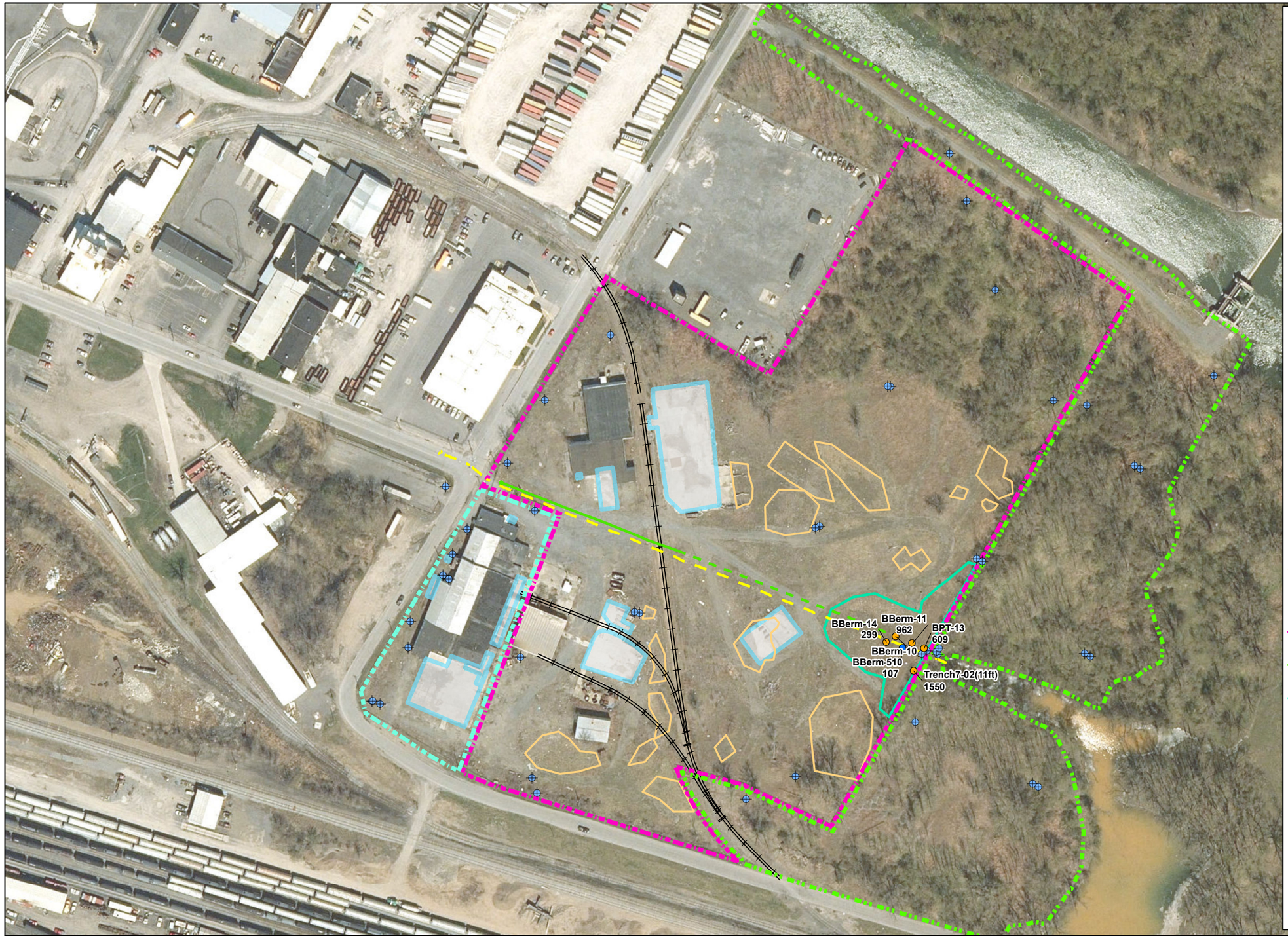
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0 110 220 330 440
Feet

Figure O-89
Copper in Subsurface Soil
(8' to 10')

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LEGEND

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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
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- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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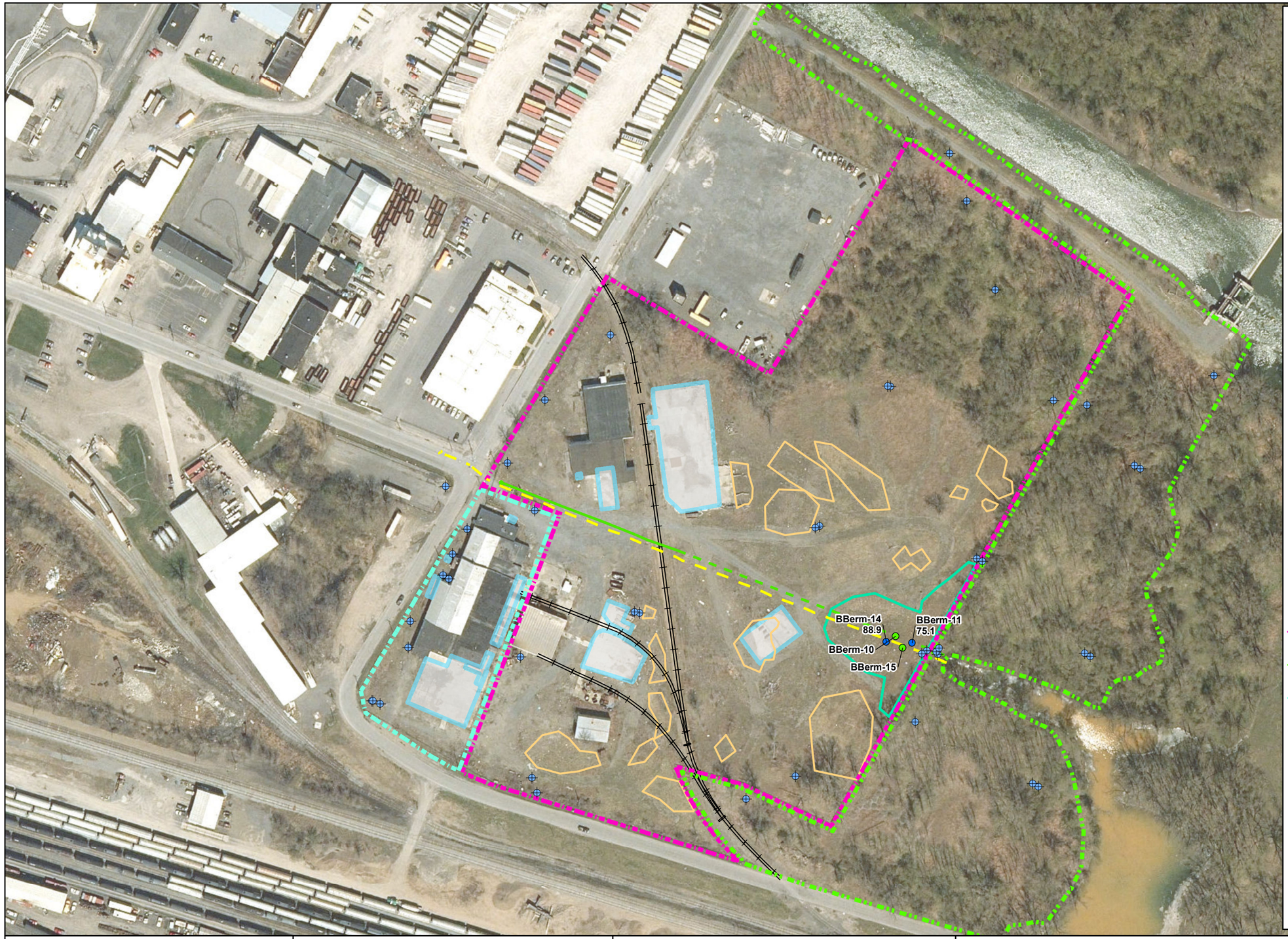
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Feet

Figure O-90
Copper in Subsurface Soil
(10' to 12')

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LEGEND

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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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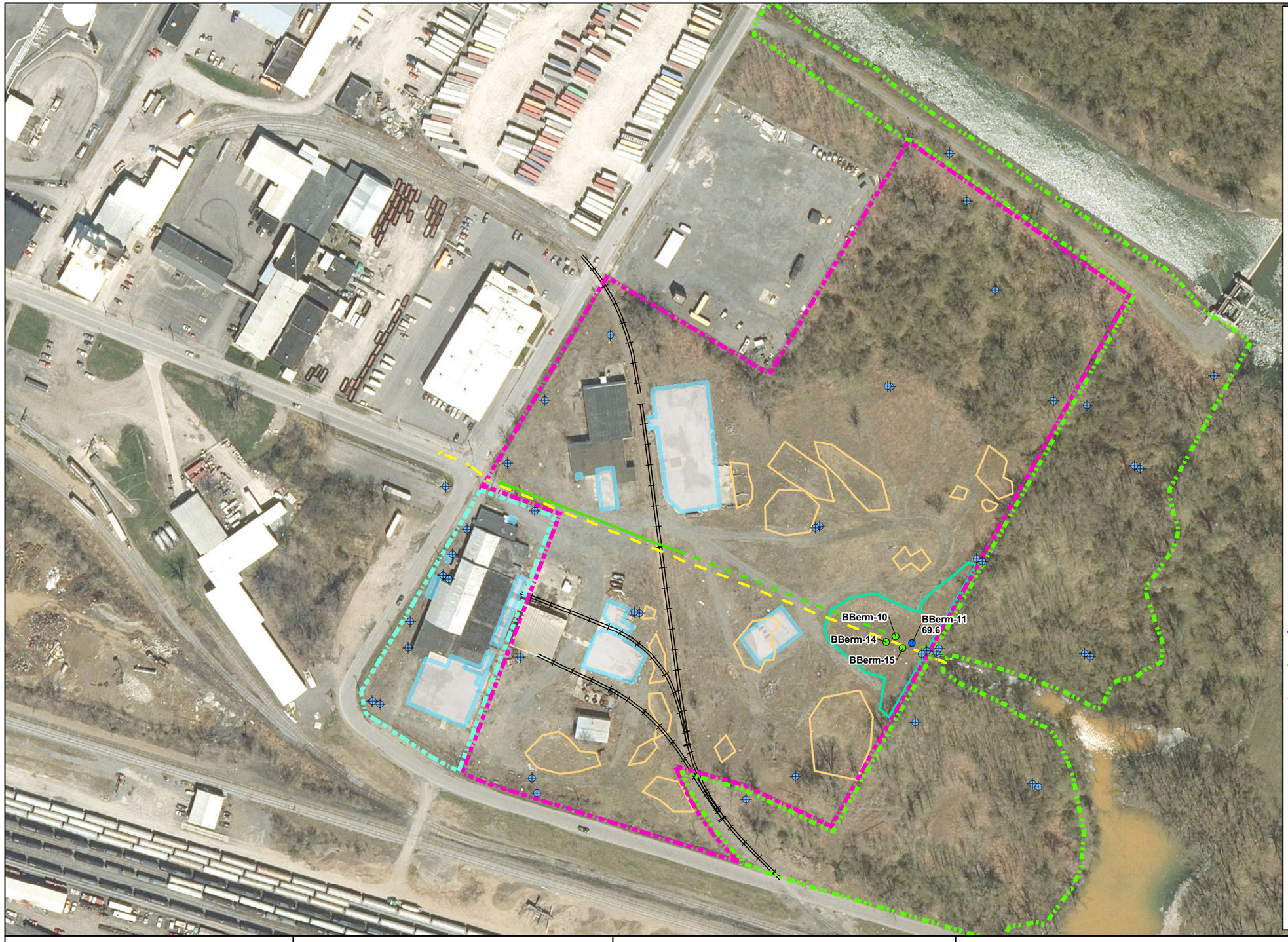
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0 110 220 330 440
Feet

Figure O-91
Copper in Subsurface Soil
(12' to 14')

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LEGEND

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- Estimated Sanitary Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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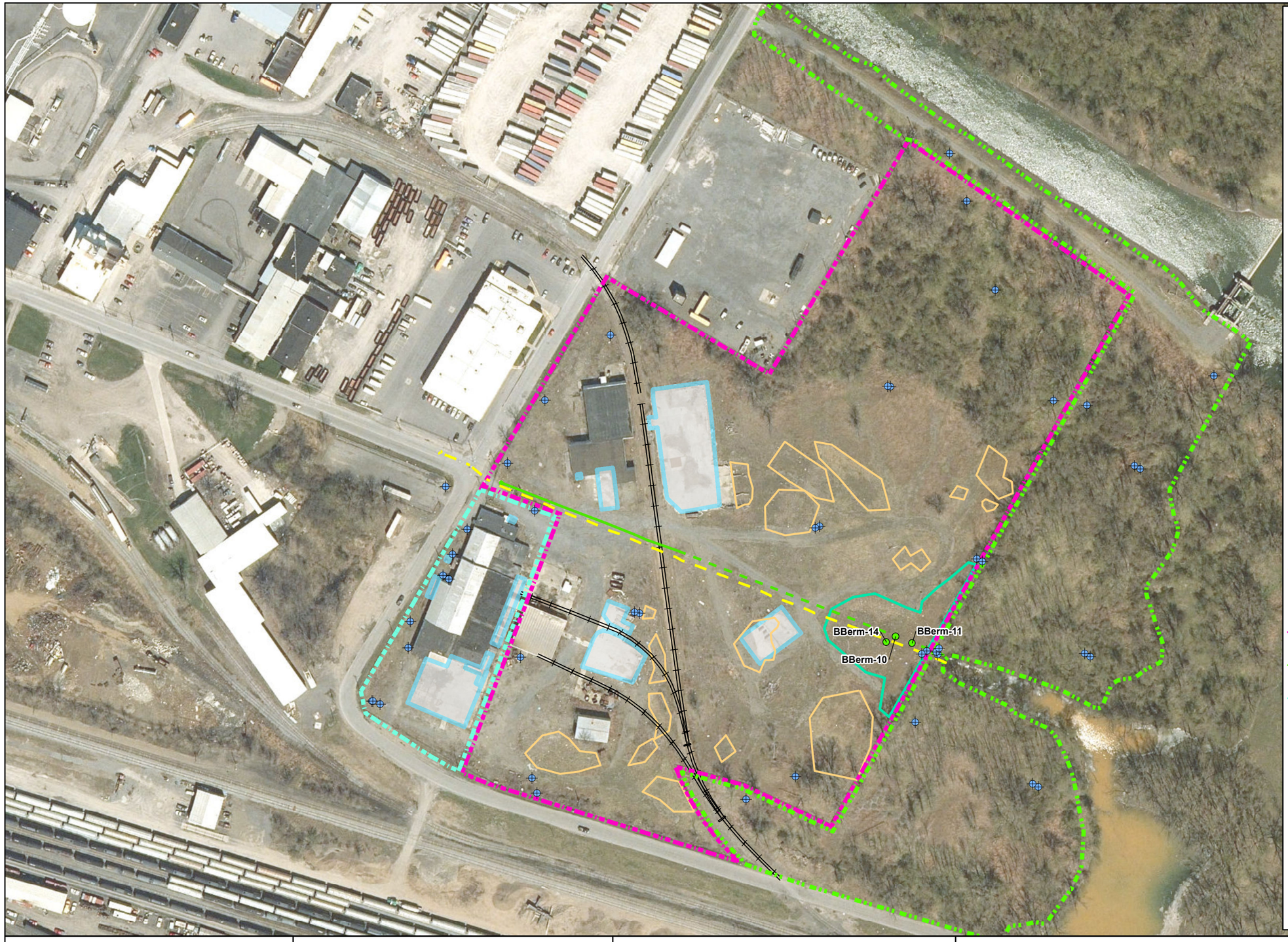
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0 110 220 330 440
Feet

Figure O-92
Copper in Subsurface Soil
(14' to 16')

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LEGEND

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- OU3 Boundary
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- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 50 mg/kg

Protection of Public Health - Commercial - 280 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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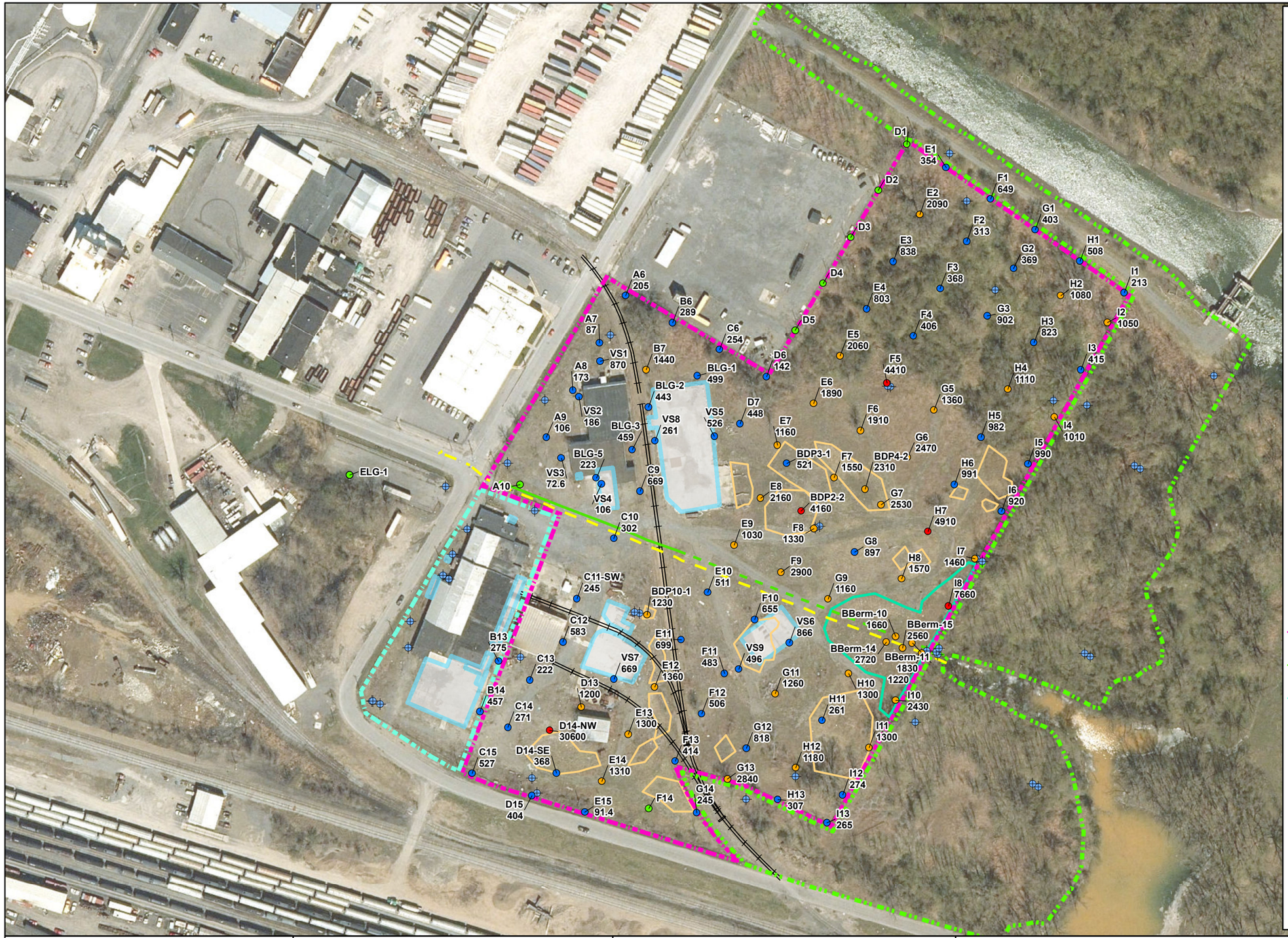
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0 110 220 330 440
Feet

Figure O-93
Copper in Subsurface Soil
(18' to 20')

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LEGEND

Lead Exceedances:

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- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 63 mg/kg

Protection of Public Health - Commercial - 1,000 mg/kg

Protection of Public Health - Industrial - 3,900 mg/kg

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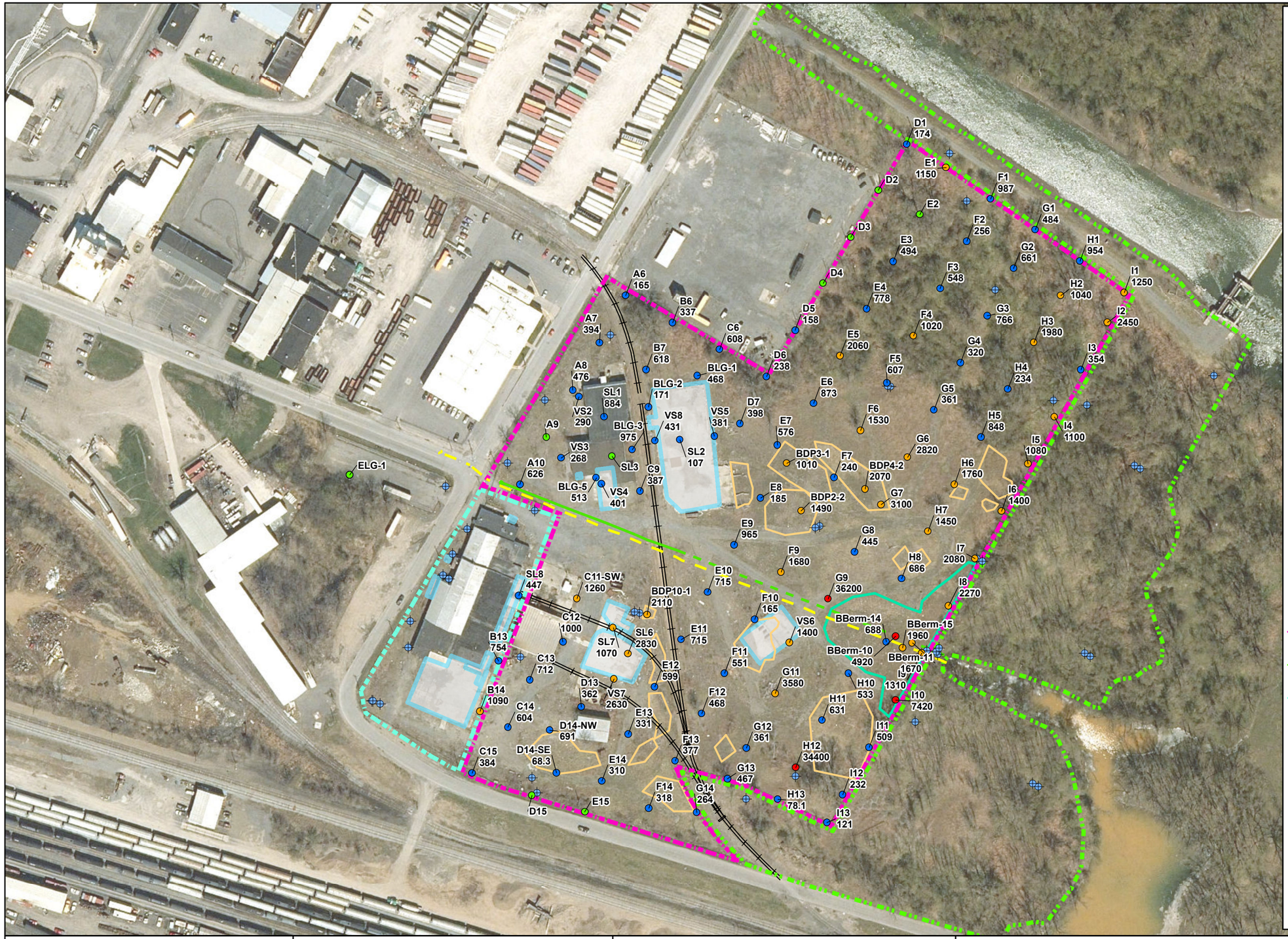
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0 110 220 330 440
Feet

Figure O-94
Lead in Surface Soil
(0 to 2")

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LEGEND

Lead Exceedances:

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- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 63 mg/kg

Protection of Public Health - Commercial - 1,000 mg/kg

Protection of Public Health - Industrial - 3,900 mg/kg

EHS Support

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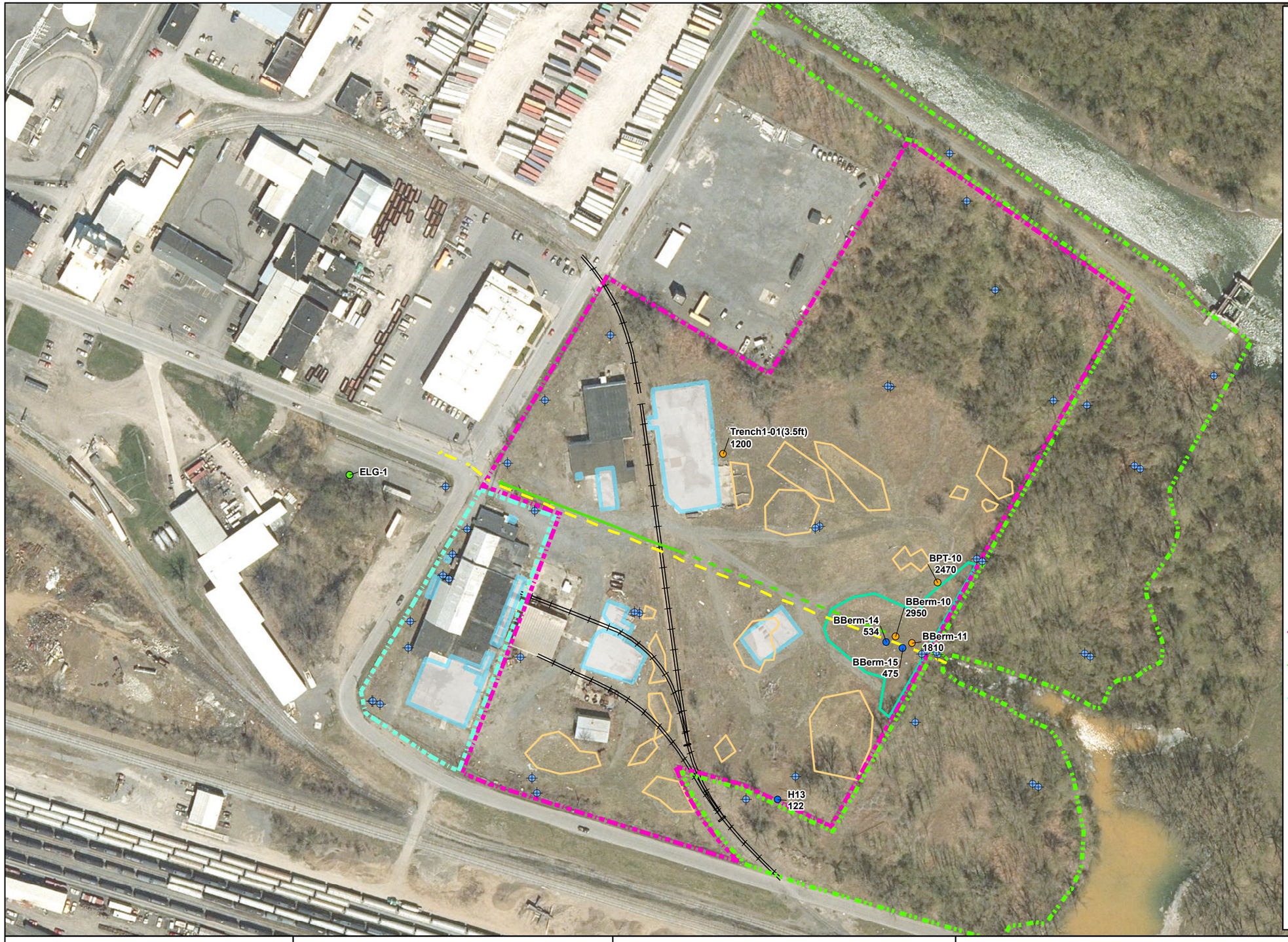
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0 110 220 330 440
Feet

Figure O-95
Lead in Subsurface Soil
(2" to 2')

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LEGEND

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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 63 mg/kg

Protection of Public Health - Commercial - 1,000 mg/kg

Protection of Public Health - Industrial - 3,900 mg/kg

EHS Support

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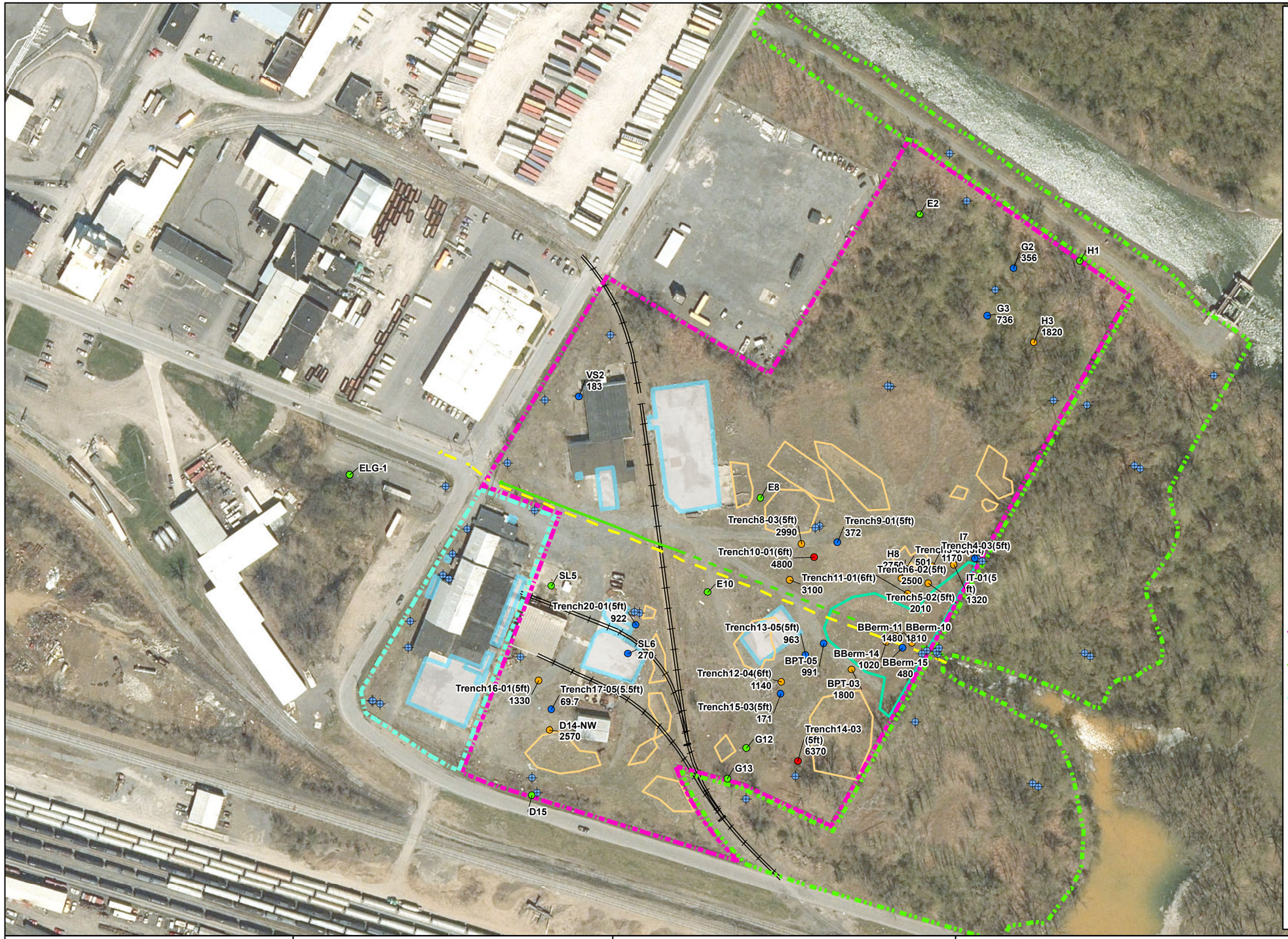
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0 110 220 330 440
Feet

Figure O-96
Lead in Subsurface Soil
(2' to 4')

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LEGEND

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Notes:
NYSDEC SCOs
Unrestricted - 63 mg/kg

Protection of Public Health - Commercial - 1,000 mg/kg

Protection of Public Health - Industrial - 3,900 mg/kg

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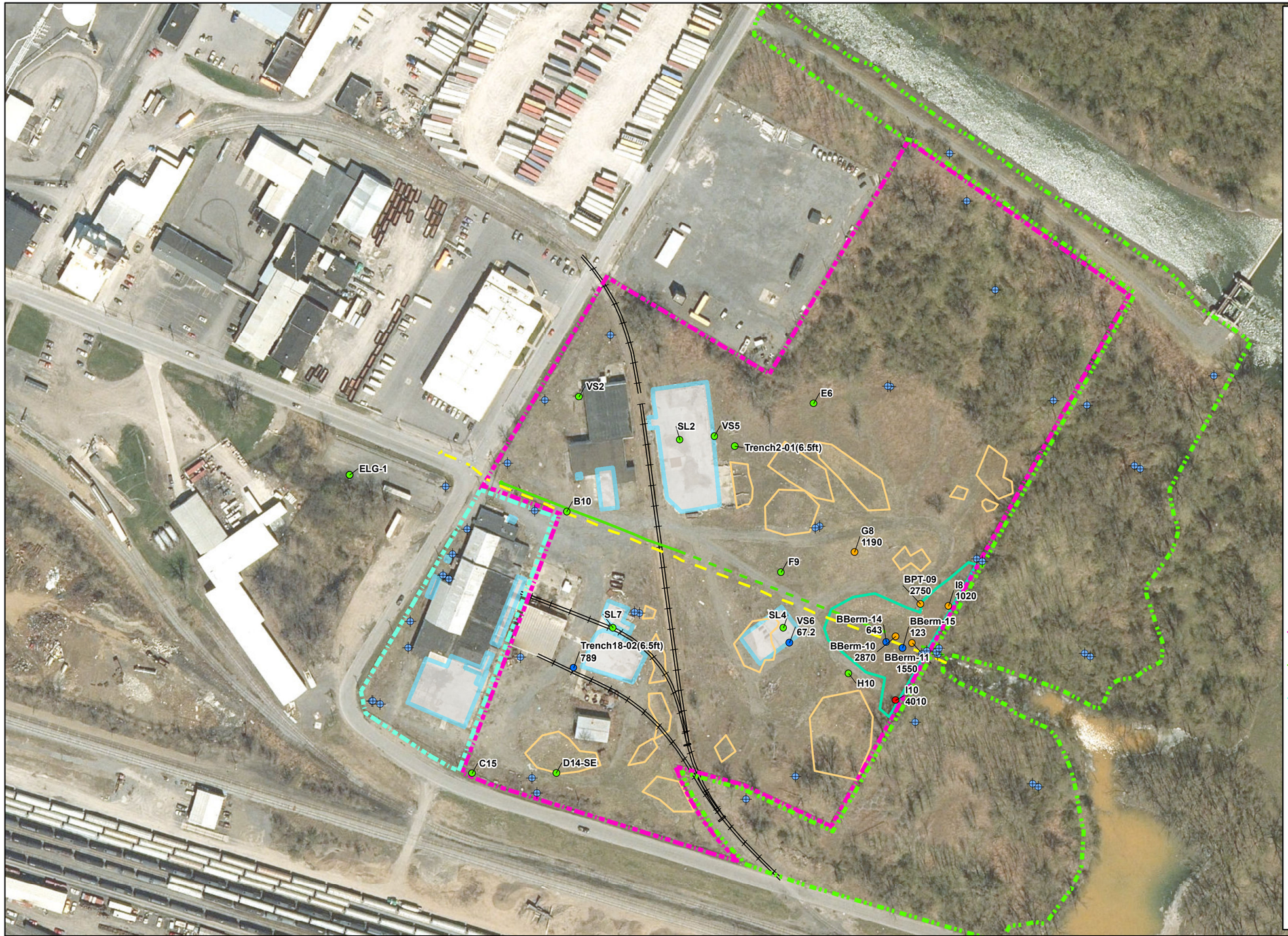
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0 110 220 330 440
Feet

Figure O-97
Lead in Subsurface Soil
(4' to 6')

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LEGEND

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Notes:
NYSDEC SCOs
Unrestricted - 63 mg/kg

Protection of Public Health - Commercial - 1,000 mg/kg

Protection of Public Health - Industrial - 3,900 mg/kg

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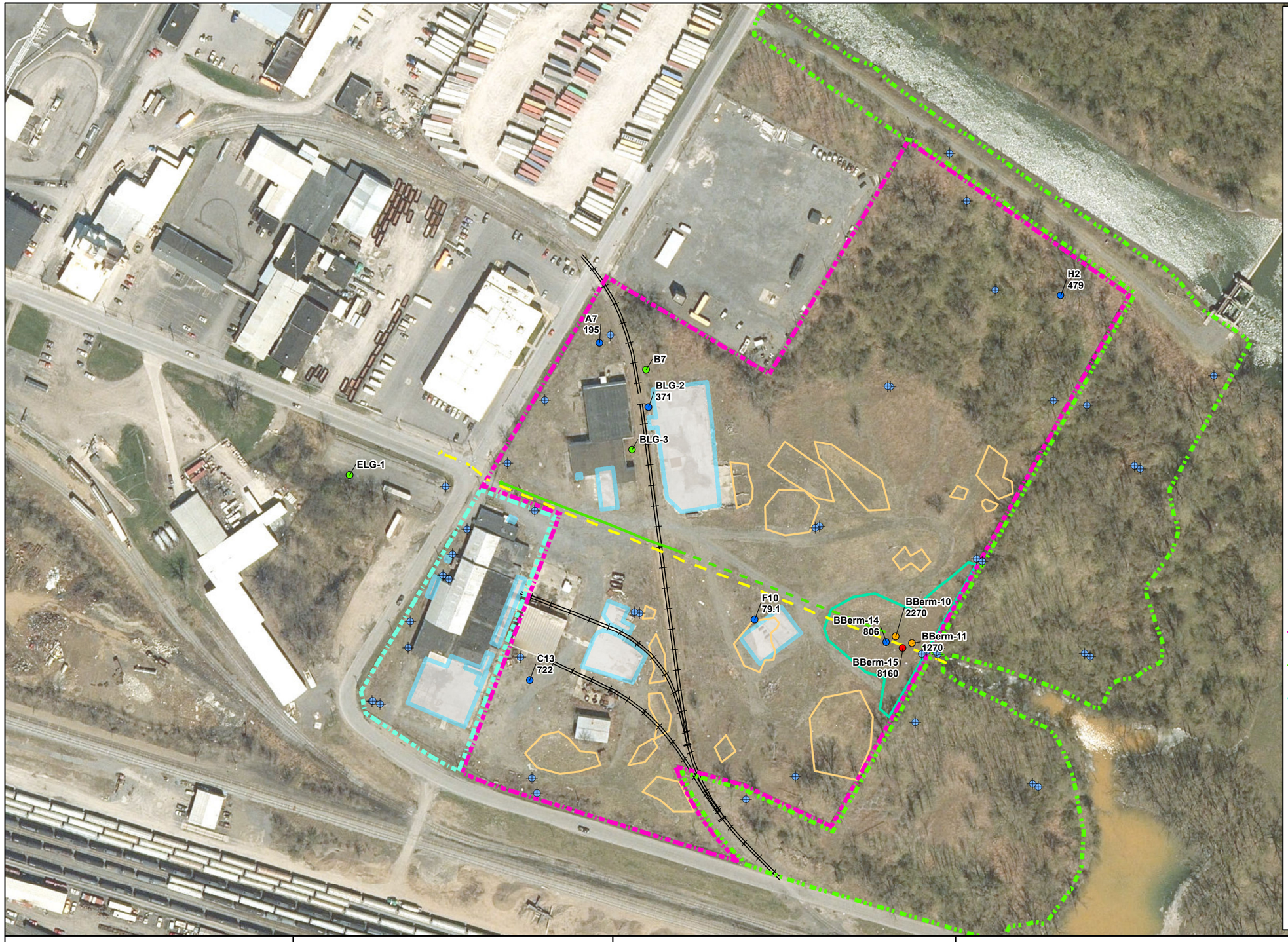
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0 110 220 330 440
Feet

Figure O-98
Lead in Subsurface Soil
(6' to 8')

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LEGEND

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Notes:
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Unrestricted - 63 mg/kg

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Protection of Public Health - Industrial - 3,900 mg/kg

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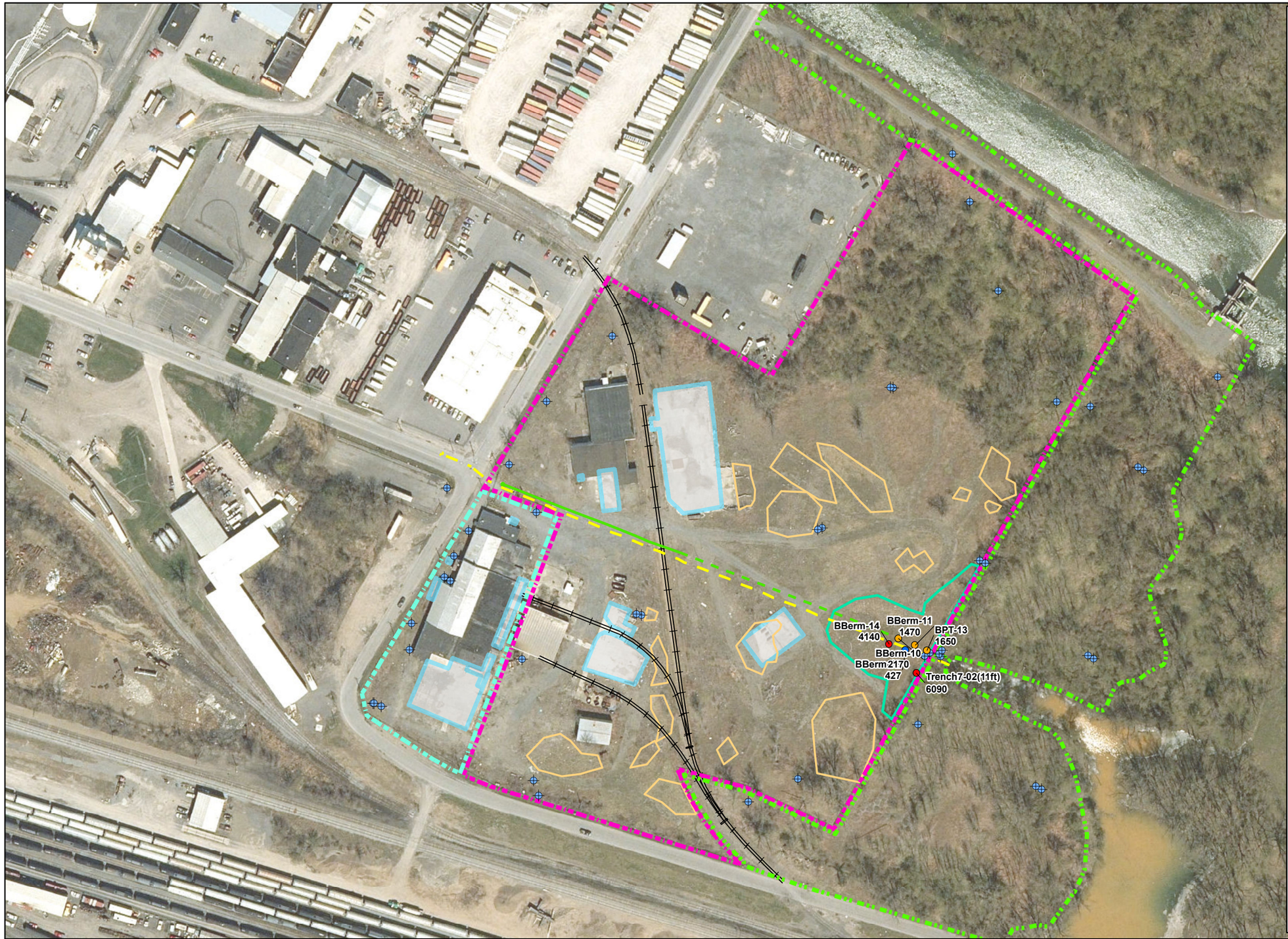
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0 110 220 330 440
Feet

Figure O-99
Lead in Subsurface Soil
(8' to 10')

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LEGEND

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Notes:
NYSDEC SCOs
Unrestricted - 63 mg/kg

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Protection of Public Health - Industrial - 3,900 mg/kg

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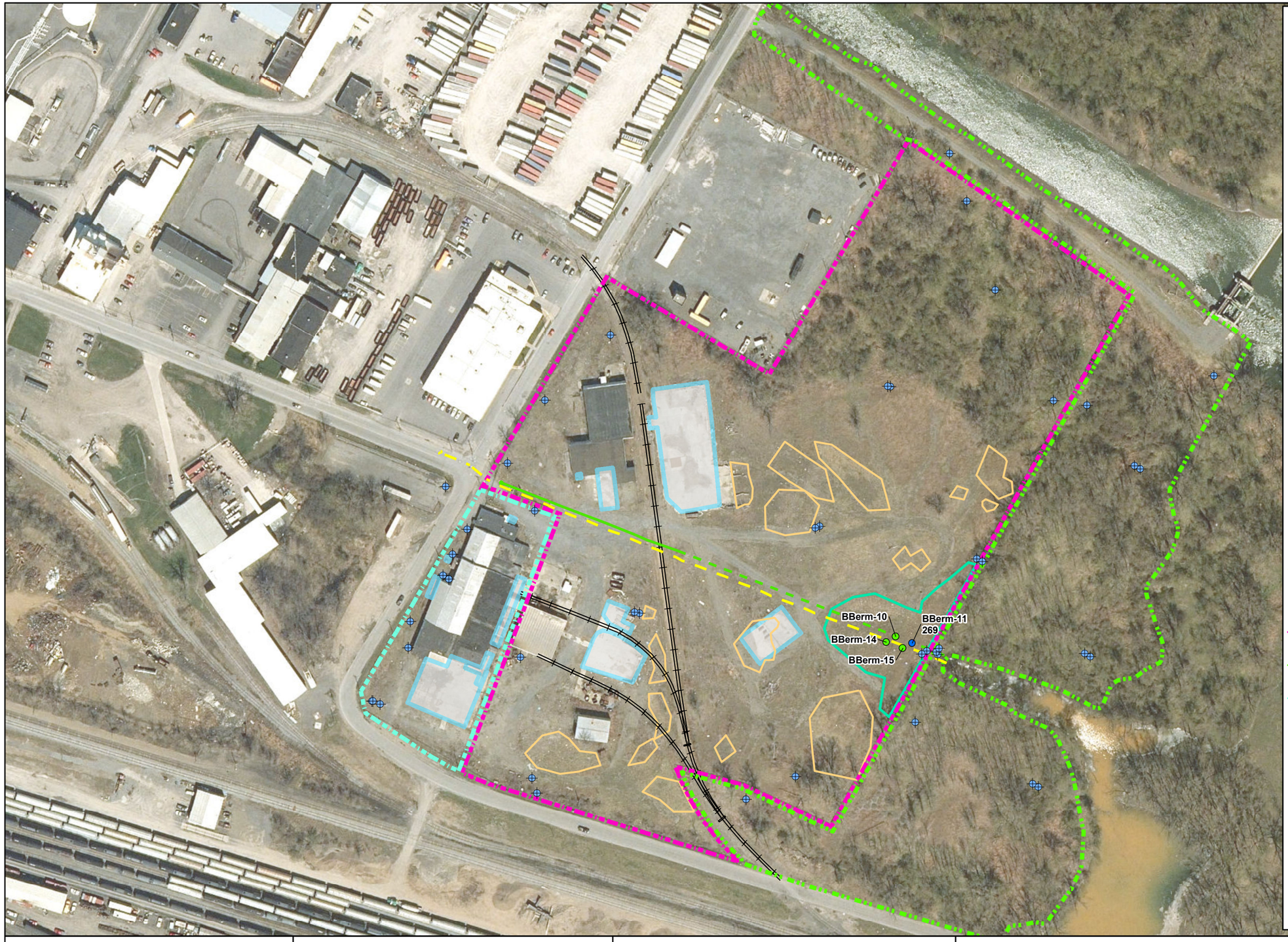
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0 110 220 330 440
Feet

Figure O-100
Lead in Subsurface Soil
(10' to 12')

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LEGEND

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Notes:
NYSDEC SCOs
Unrestricted - 63 mg/kg

Protection of Public Health - Commercial - 1,000 mg/kg

Protection of Public Health - Industrial - 3,900 mg/kg

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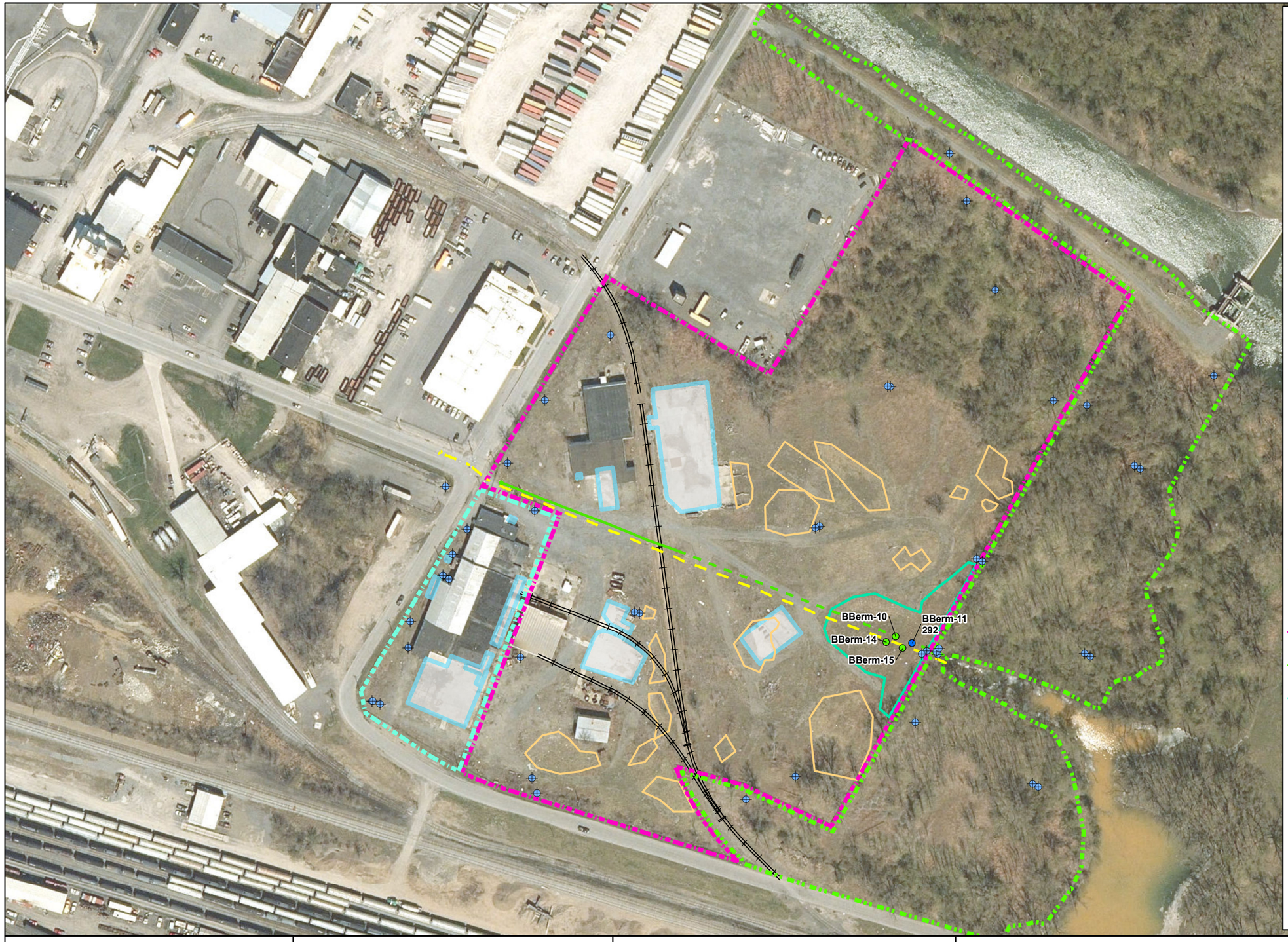
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0 110 220 330 440
Feet

Figure O-101
Lead in Subsurface Soil
(12' to 14')

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LEGEND

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- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 63 mg/kg

Protection of Public Health - Commercial - 1,000 mg/kg

Protection of Public Health - Industrial - 3,900 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure O-102
Lead in Subsurface Soil
(14' to 16')

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

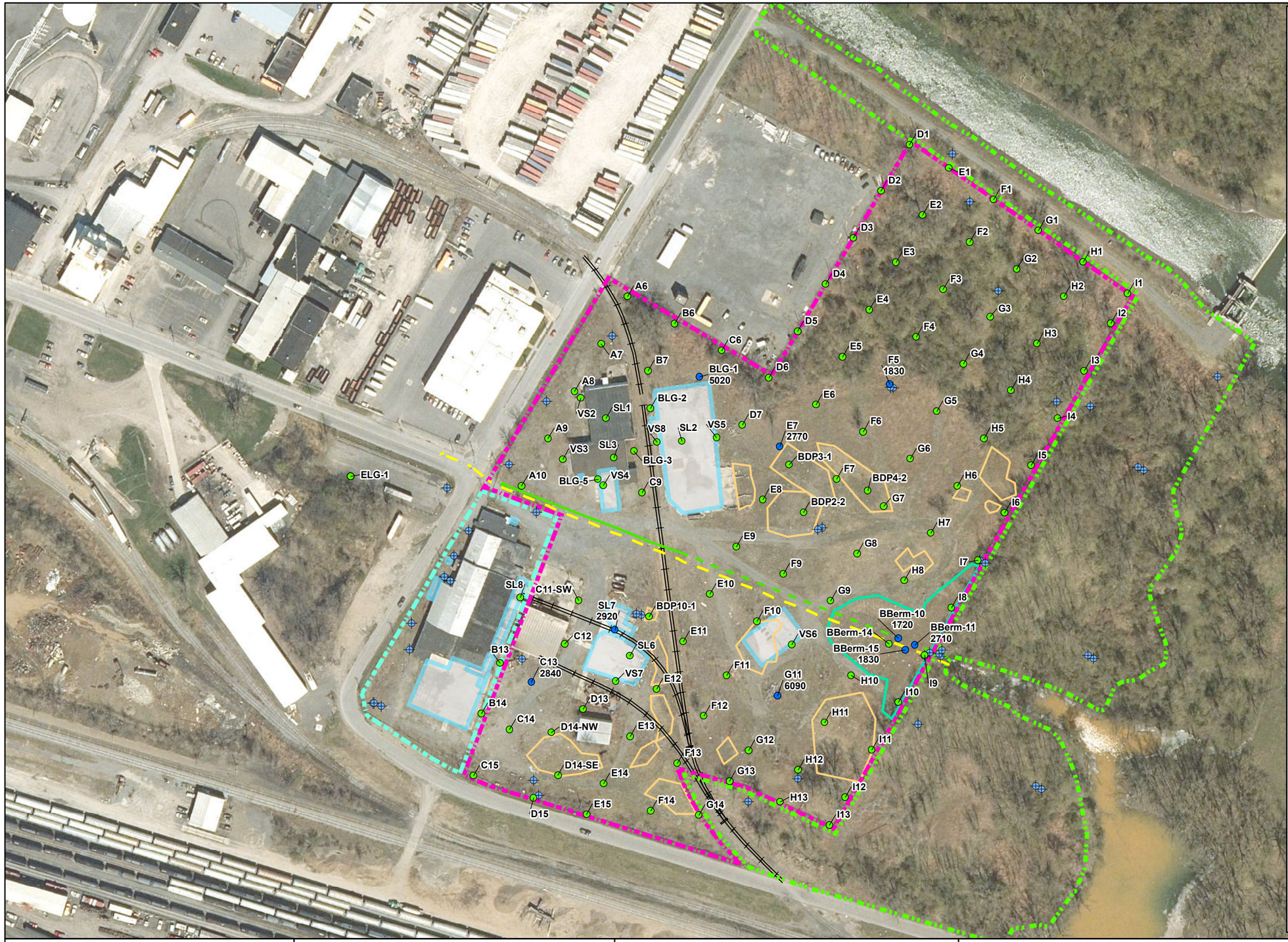
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Feet

Figure O-103
Manganese in Surface Soil
(0 to 2")

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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UTICA, NEW YORK

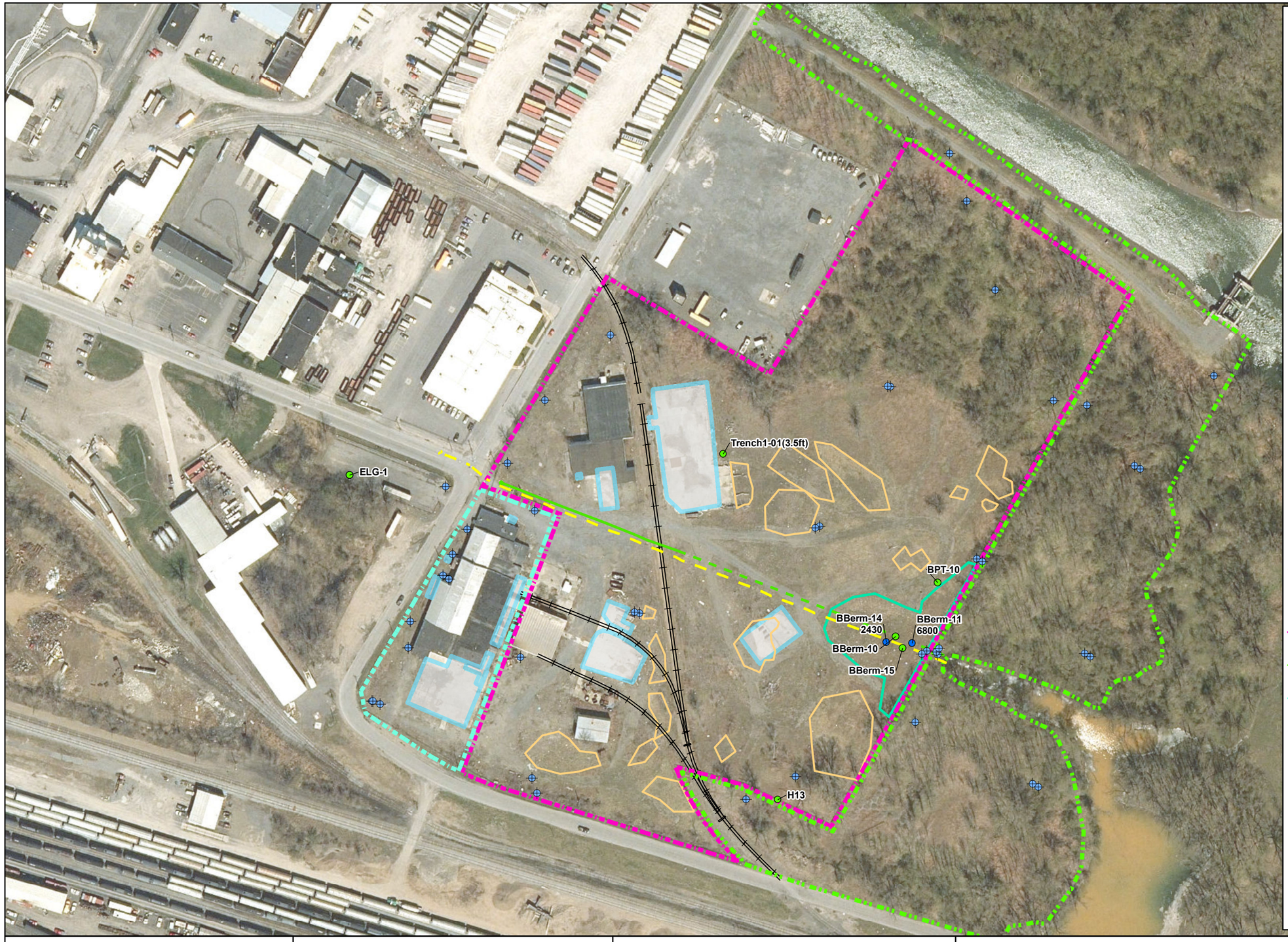
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Feet

Figure O-104
Manganese in Subsurface Soil
(2" to 2')

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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UTICA, NEW YORK

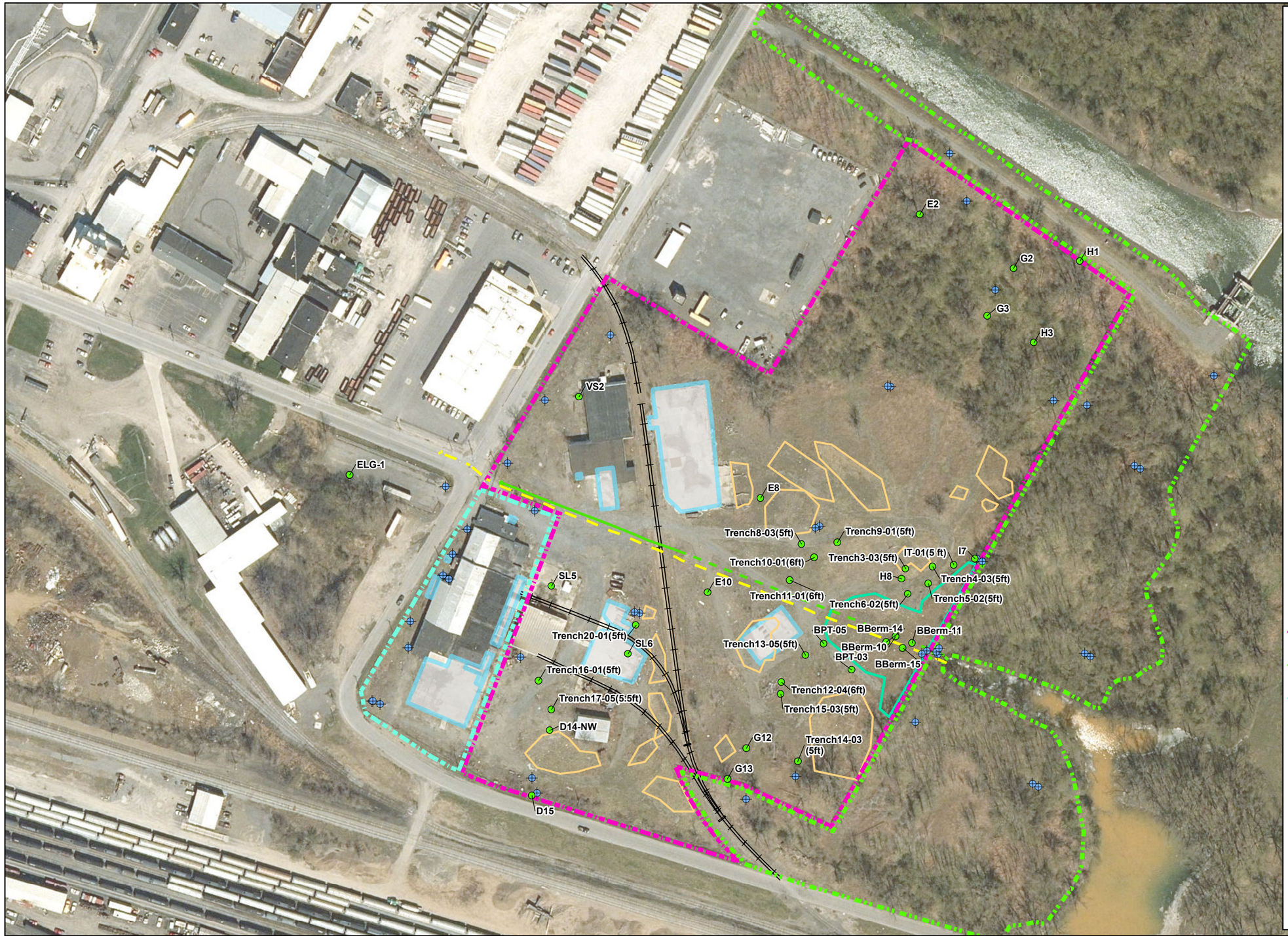
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Feet

Figure O-105
Manganese in Subsurface Soil
(2' to 4')

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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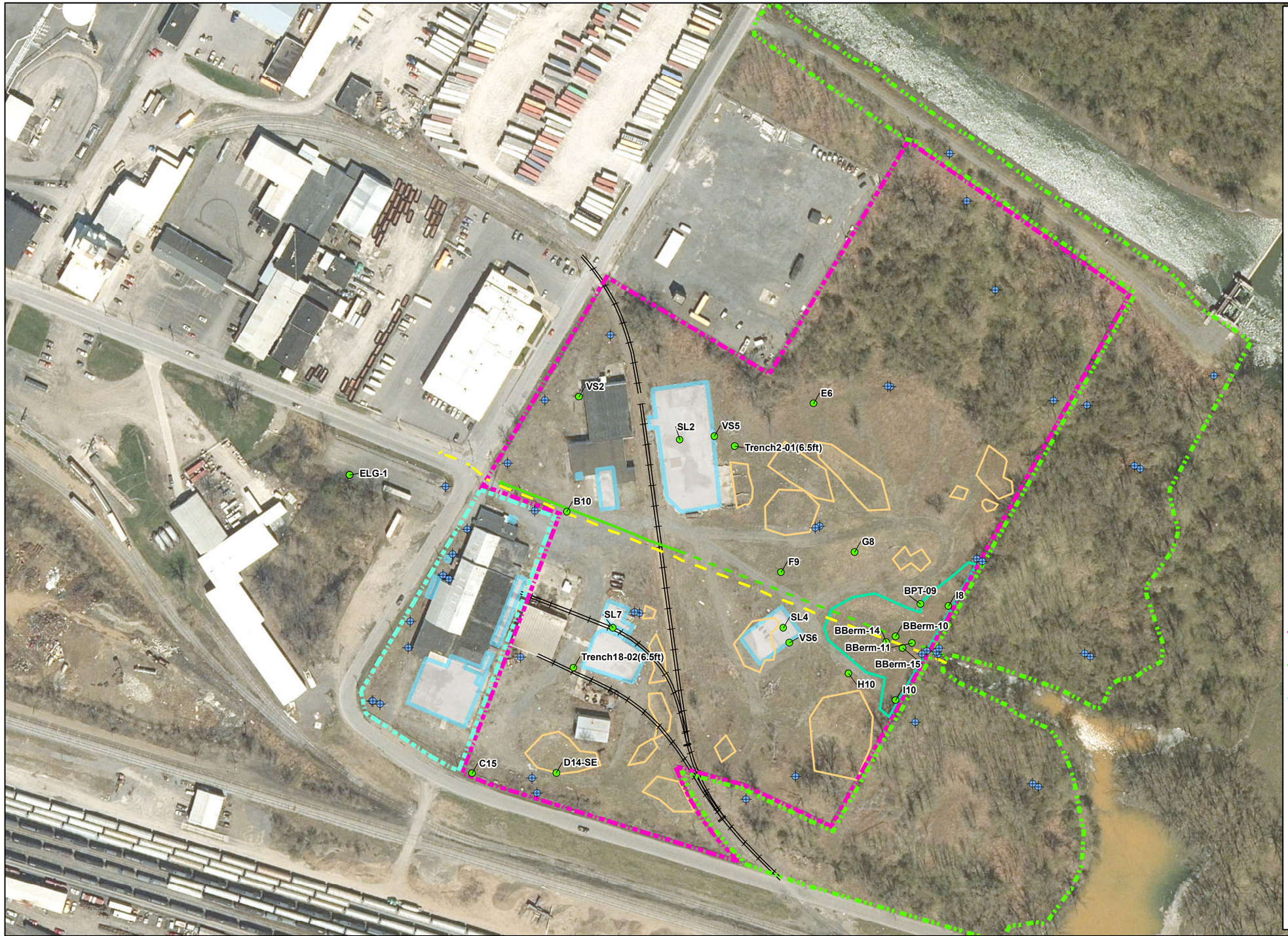
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Figure O-106
Manganese in Subsurface Soil
(4' to 6')

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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UTICA, NEW YORK

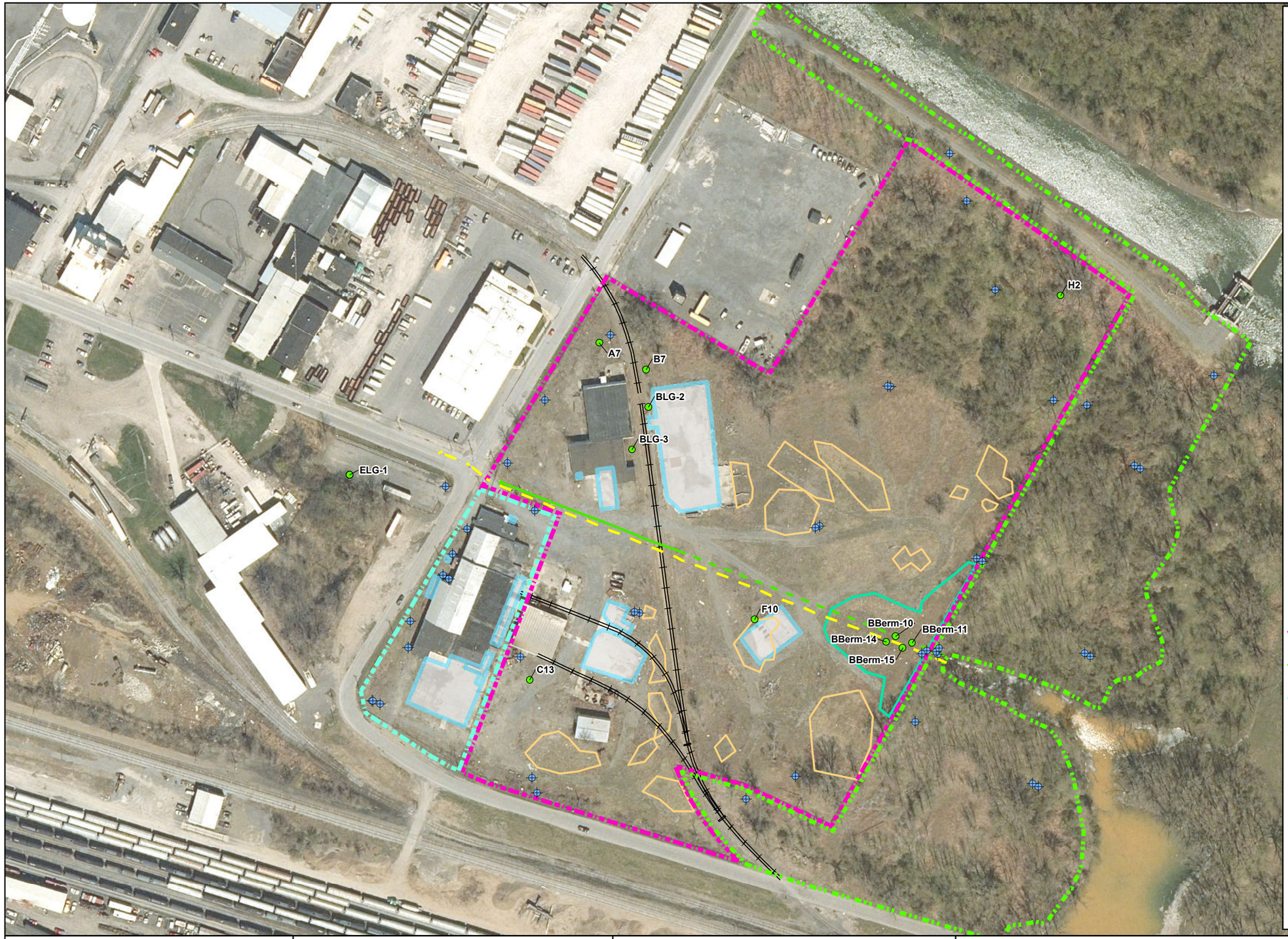
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Feet

Figure O-107
Manganese in Subsurface Soil
(6' to 8')

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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UTICA, NEW YORK

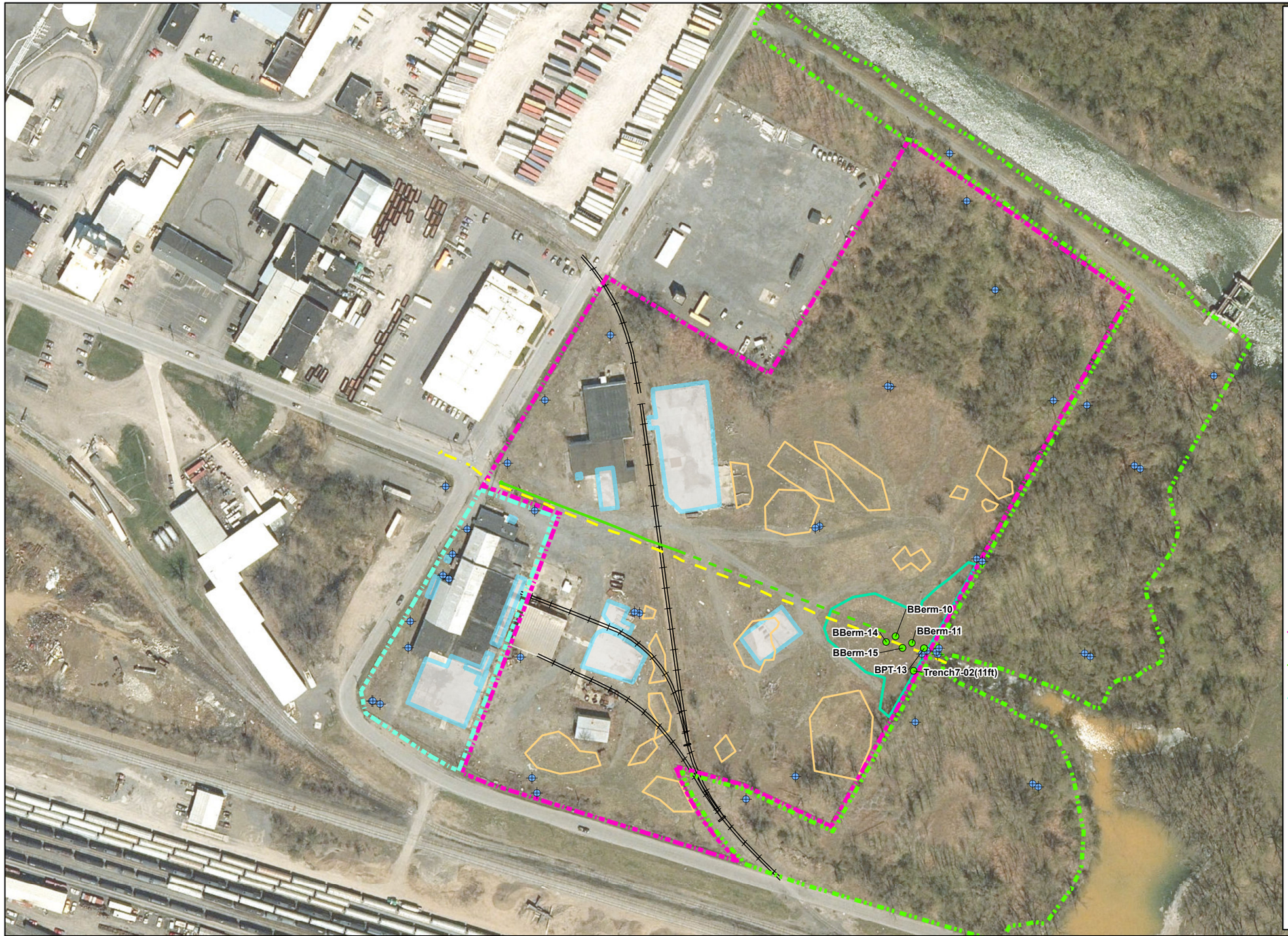
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Figure O-108
Manganese in Subsurface Soil
(8' to 10')

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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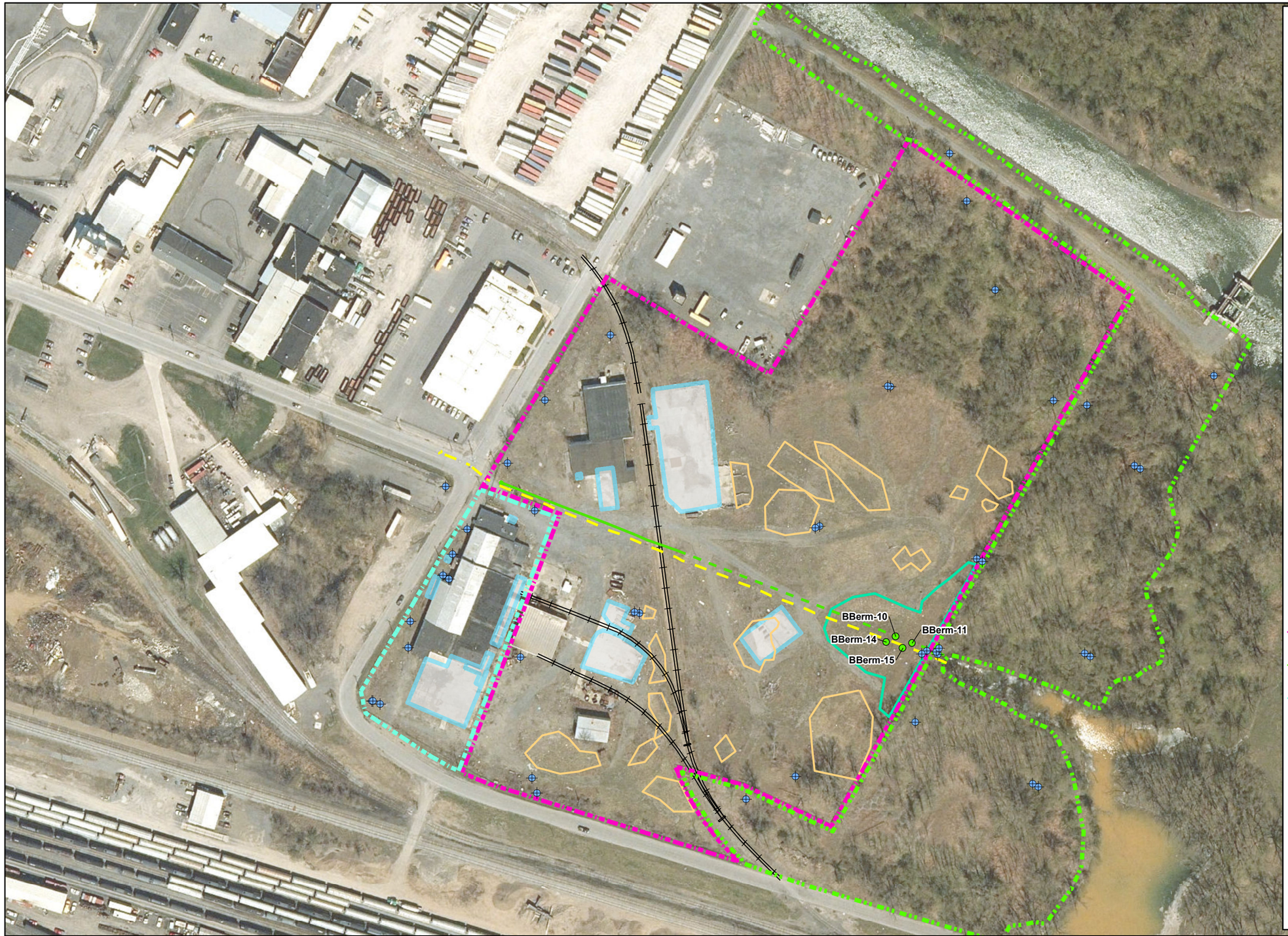
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Feet

Figure O-109
Manganese in Subsurface Soil
(10' to 12')

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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UTICA, NEW YORK

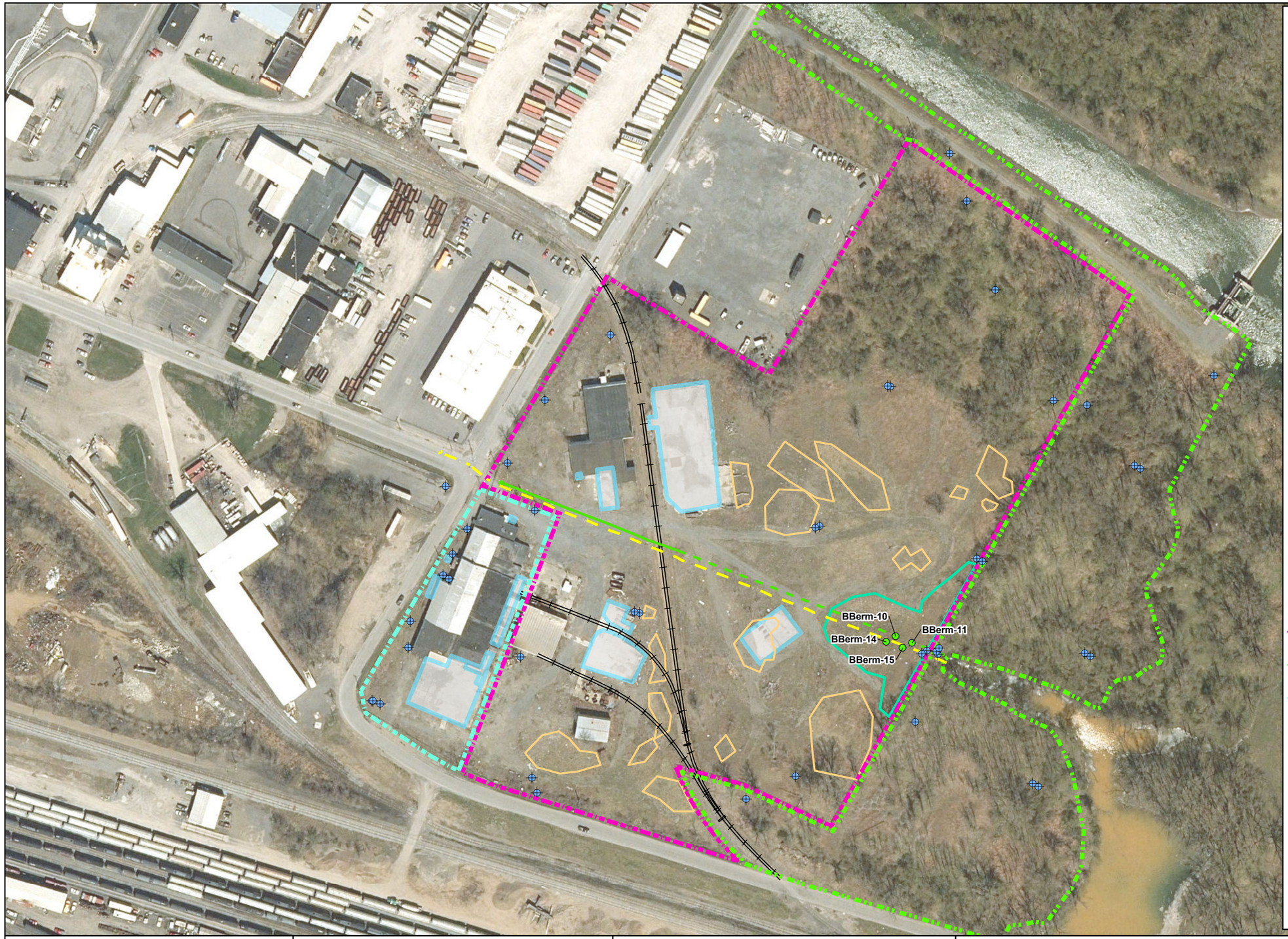
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Feet

Figure O-110
Manganese in Subsurface Soil
(12' to 14')

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure O-111
Manganese in Subsurface Soil
(14' to 16')

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LEGEND

Manganese Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1,600 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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N

0 110 220 330 440
Feet

Figure O-112
Manganese in Subsurface Soil
(18' to 20')

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LEGEND

Mercury Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

EHS Support

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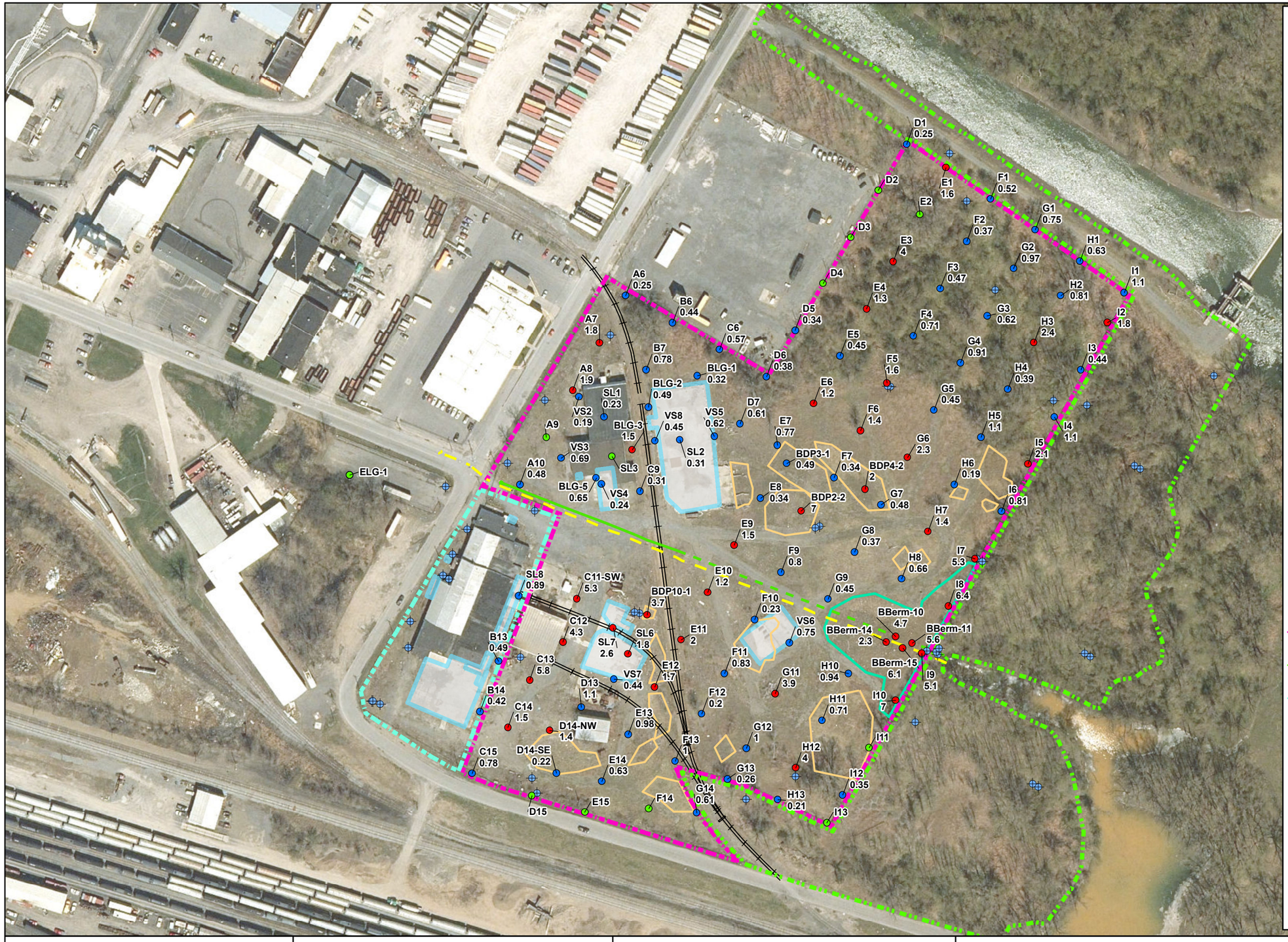
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Feet

Figure O-113
Mercury in Surface Soil
(0 to 2")

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LEGEND

Mercury Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

EHS Support

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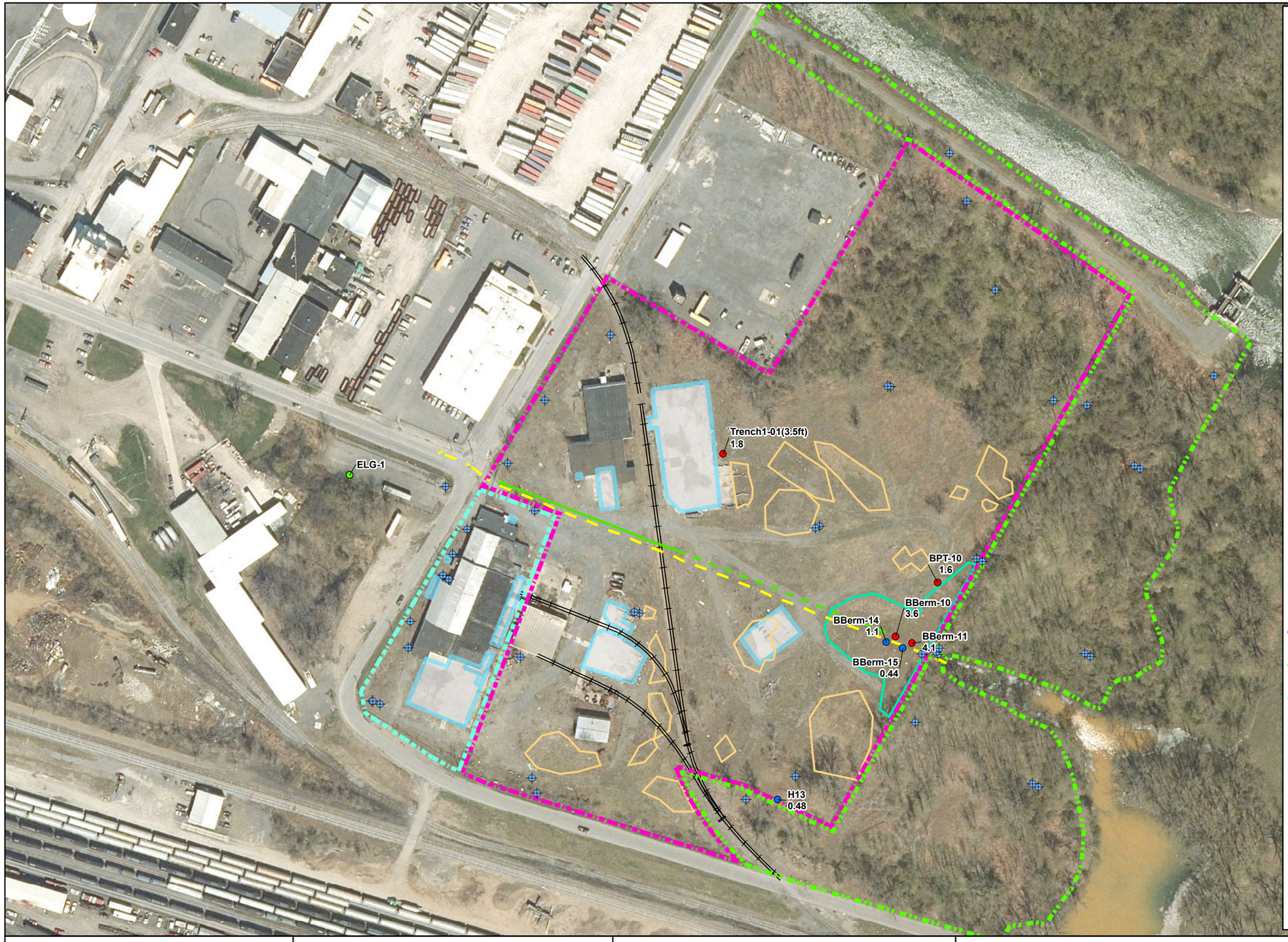
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0 110 220 330 440
Feet

Figure O-114
Mercury in Subsurface Soil
(2" to 2')

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LEGEND

Mercury Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure O-115
Mercury in Subsurface Soil
(2' to 4')

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LEGEND

Mercury Exceedances:

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

EHS Support

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UTICA, NEW YORK

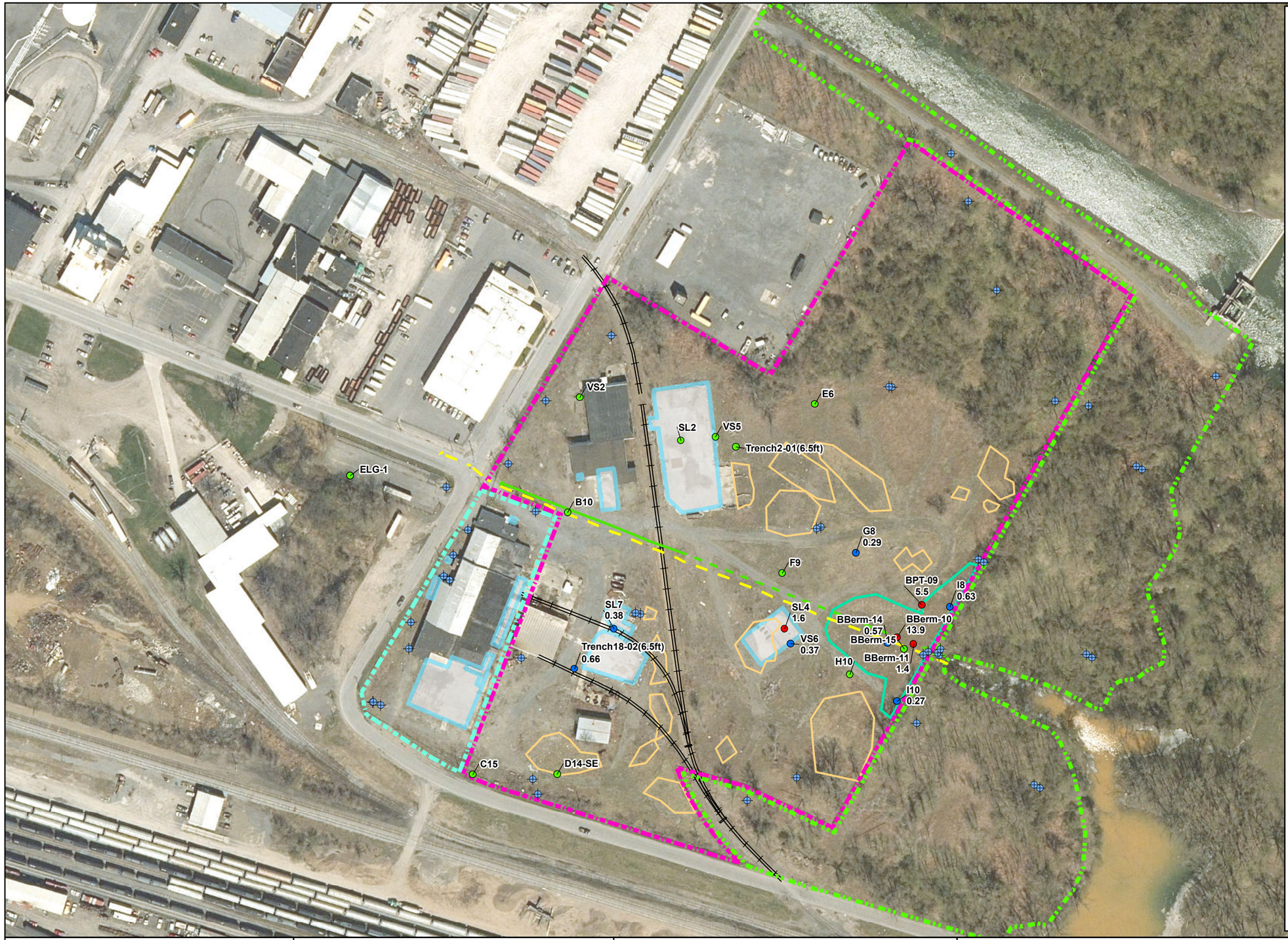
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Feet

Figure O-116
Mercury in Subsurface Soil
(4' to 6')

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LEGEND

Mercury Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

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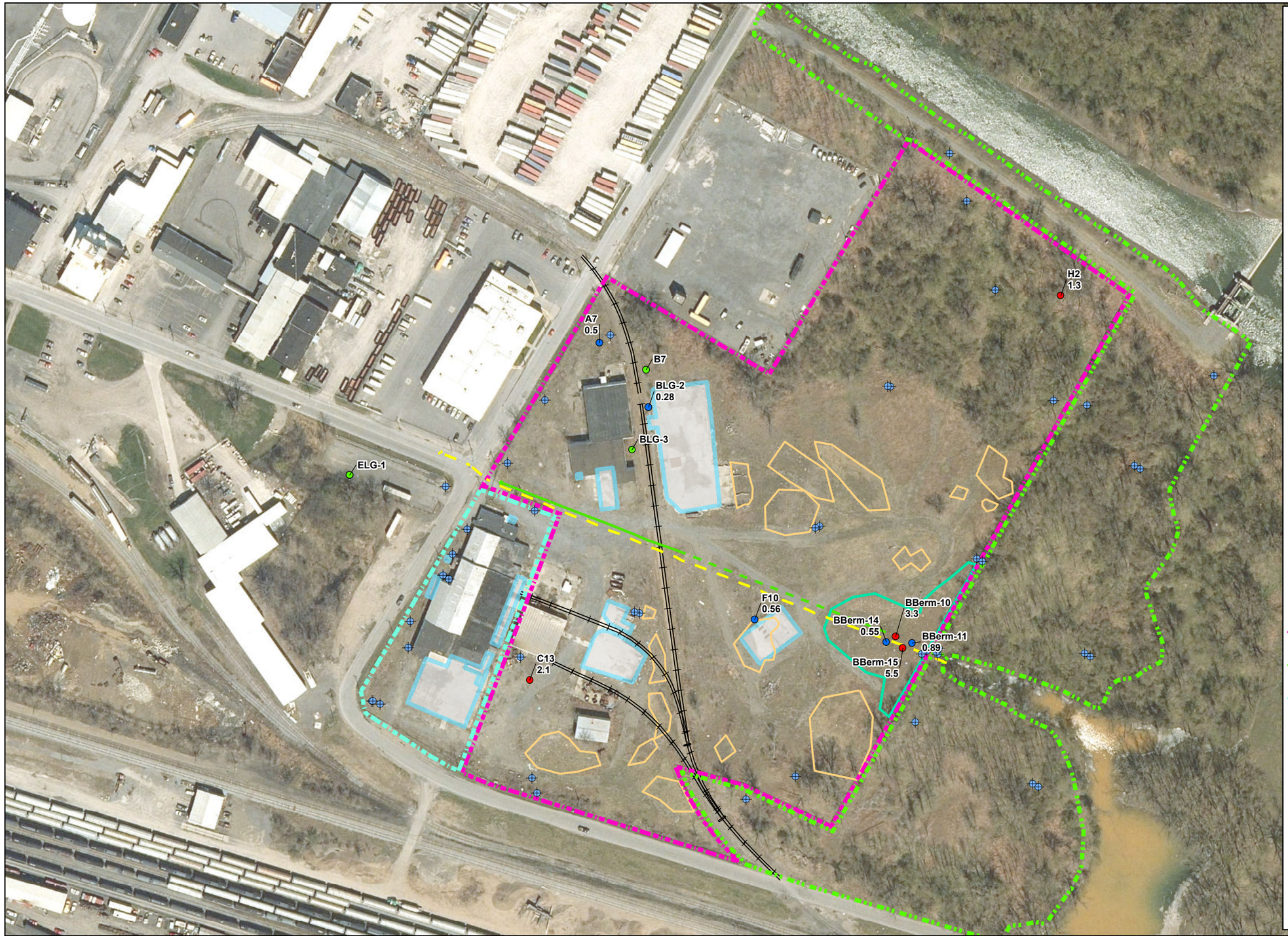
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0 110 220 330 440
Feet

Figure O-117
Mercury in Subsurface Soil
(6' to 8')

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LEGEND

Mercury Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

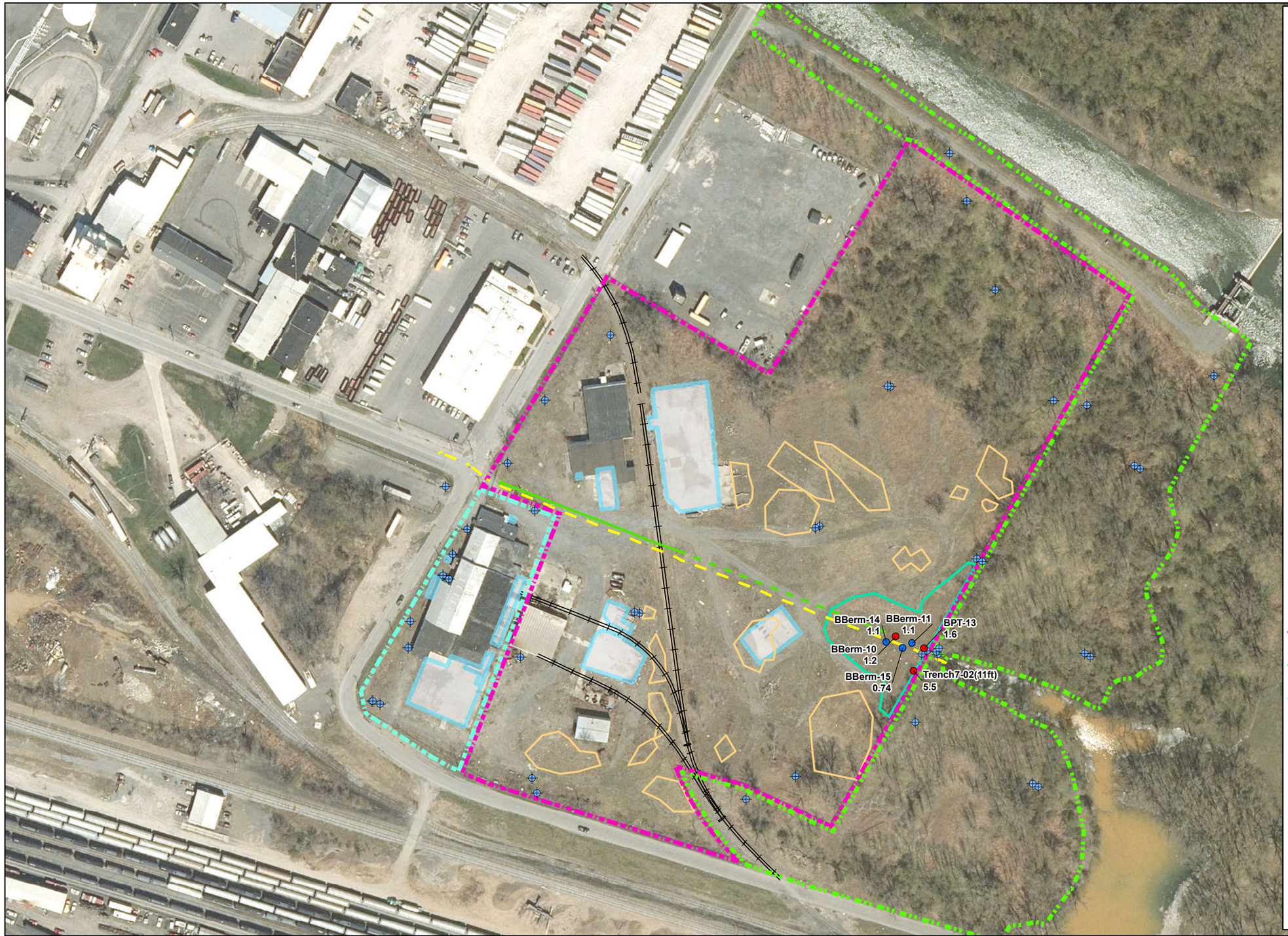
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0 110 220 330 440
Feet

Figure O-118
Mercury in Subsurface Soil
(8' to 10')

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LEGEND

Mercury Exceedances:

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

EHS Support

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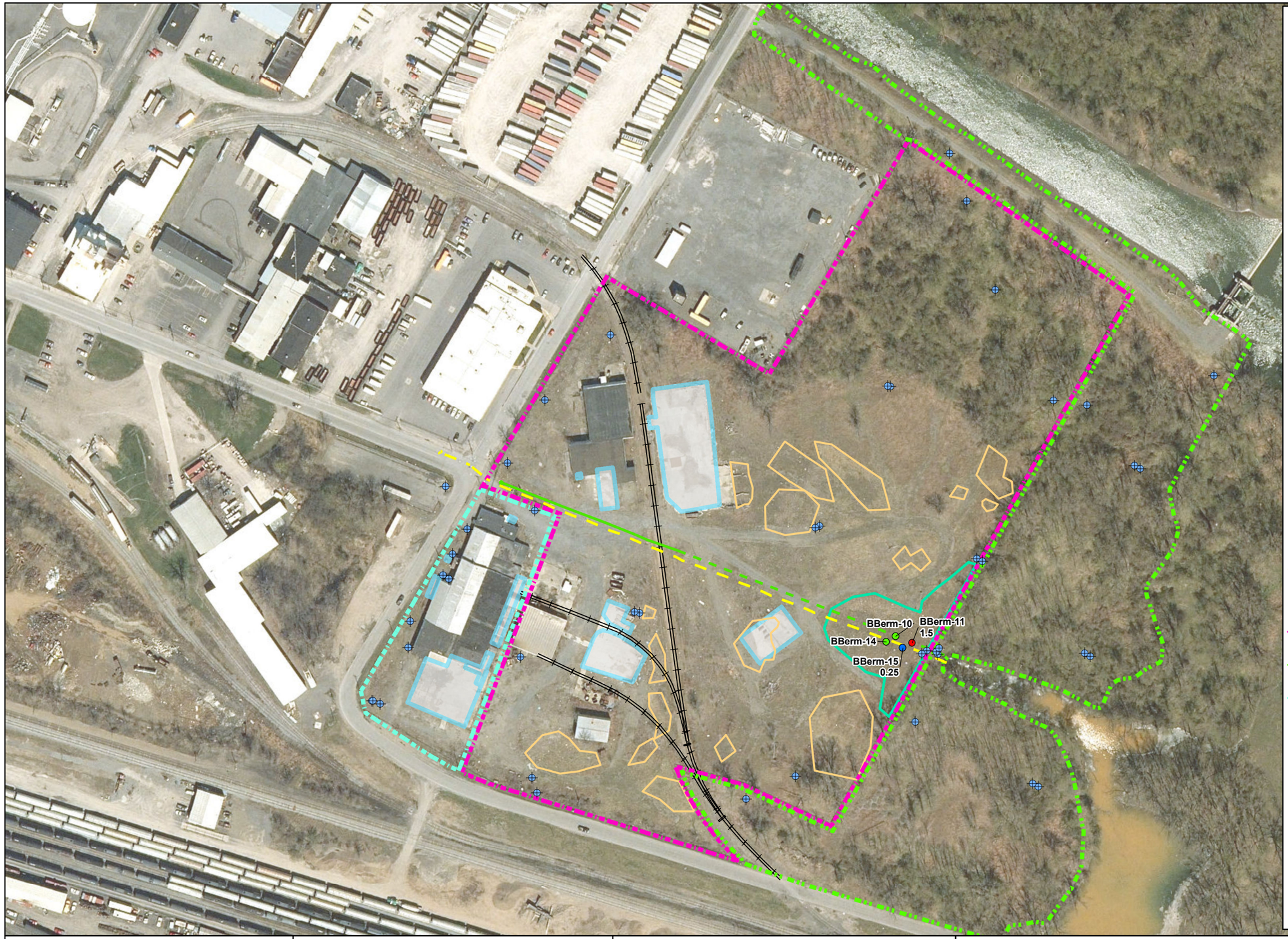
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Feet

Figure O-119
Mercury in Subsurface Soil
(10' to 12')

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LEGEND

Mercury Exceedances:

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

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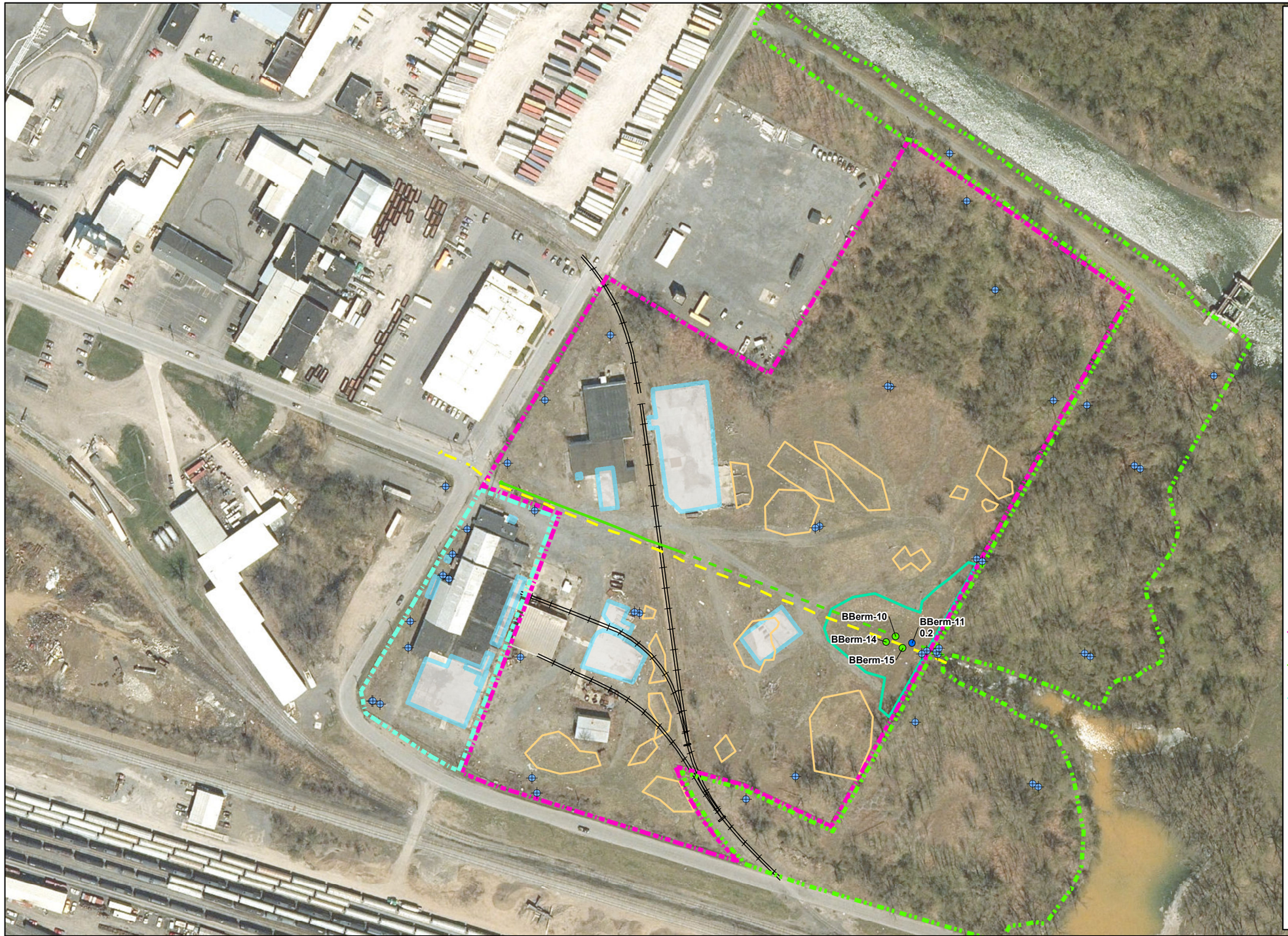
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0 110 220 330 440
Feet

Figure O-120
Mercury in Subsurface Soil
(12' to 14')

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LEGEND

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

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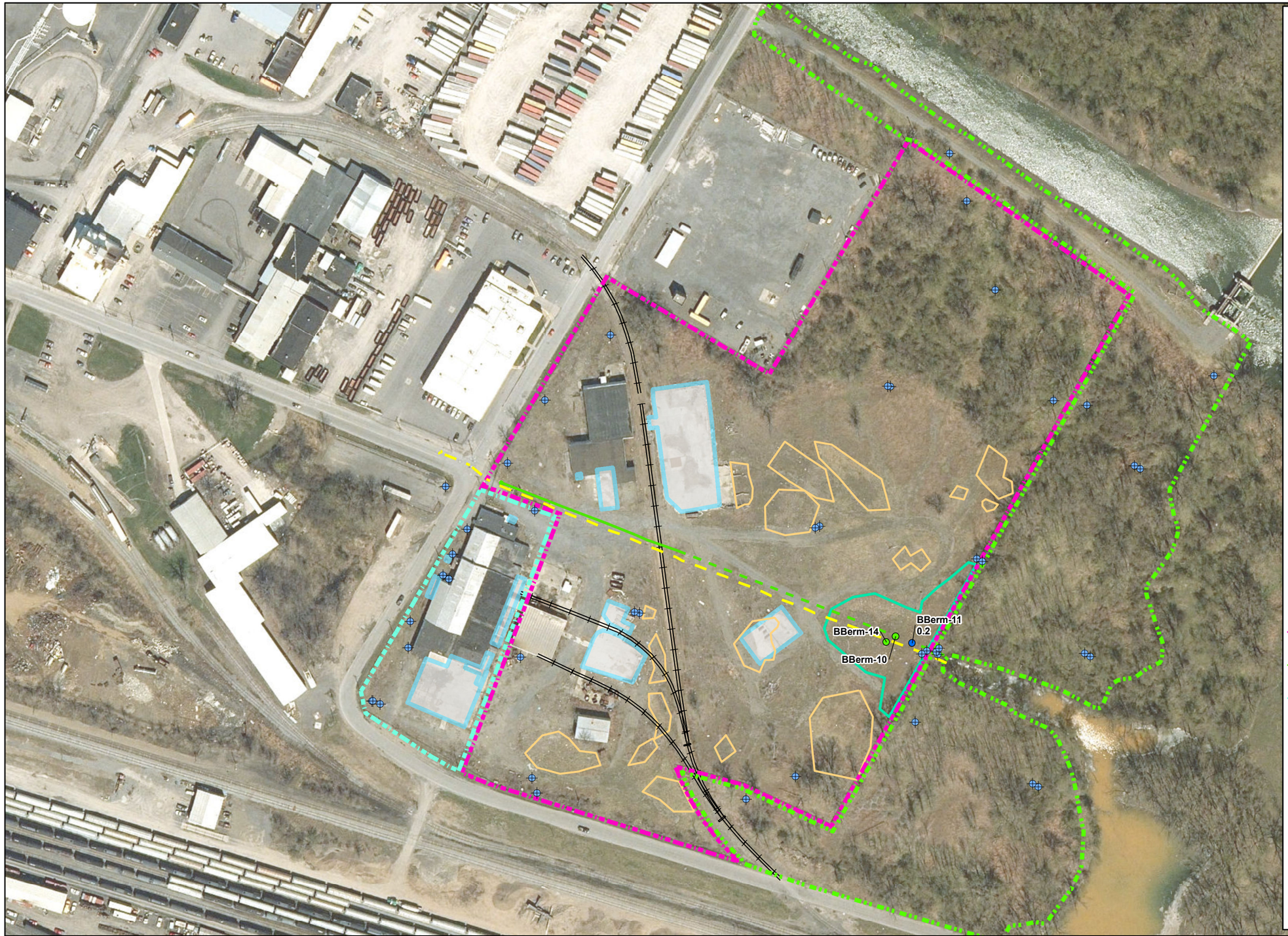
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0 110 220 330 440
Feet

Figure O-121
Mercury in Subsurface Soil
(14' to 16')

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LEGEND

Mercury Exceedances:

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- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 0.18 mg/kg

Protection of Public Health - Commercial - 1.1 mg/kg

Protection of Public Health - Industrial - 1.1 mg/kg

EHS Support

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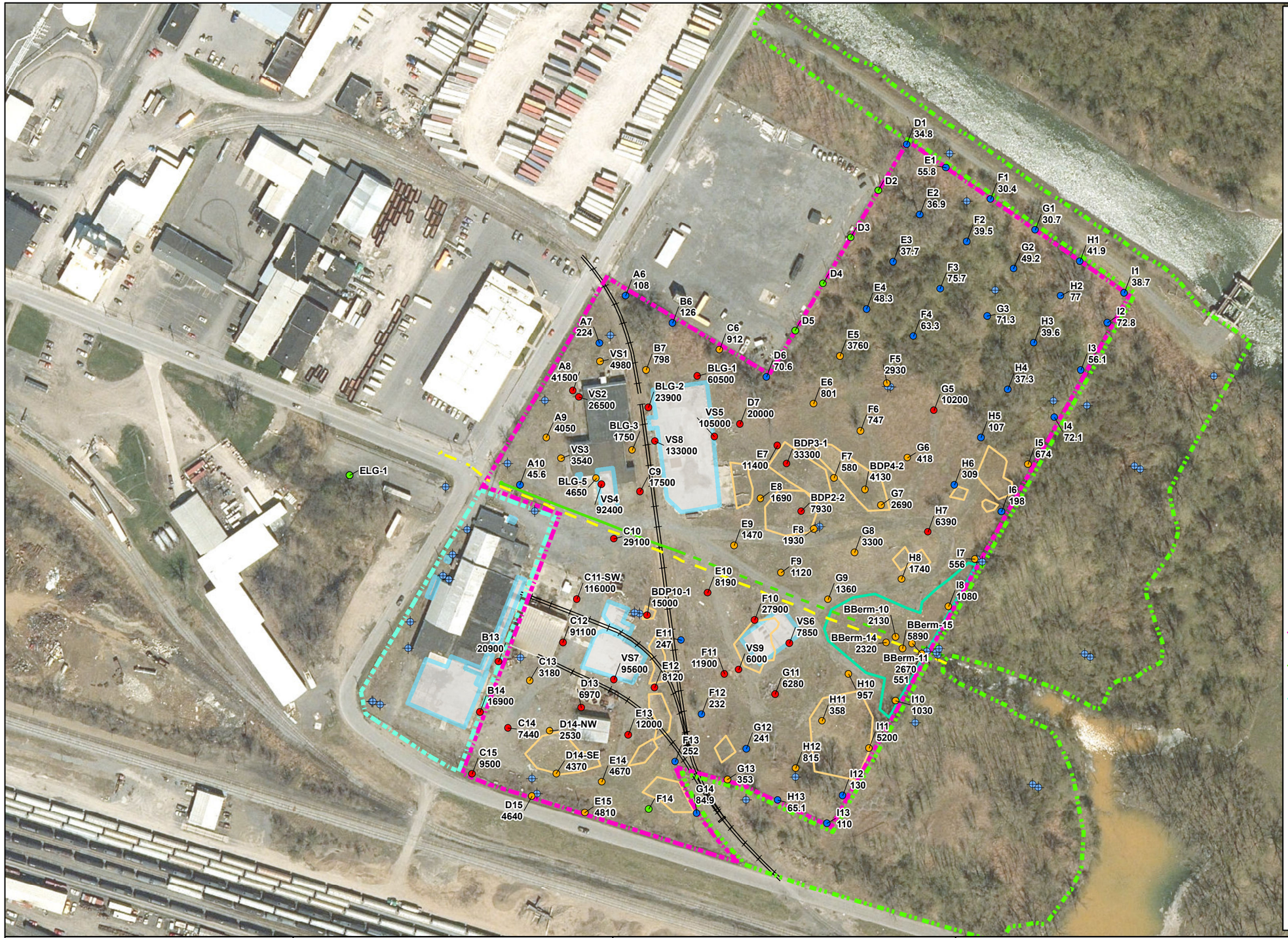
N

0 110 220 330 440
Feet

Figure 0-122
Mercury in Subsurface Soil
(18' to 20')

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LEGEND

Nickel Exceedances:

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- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

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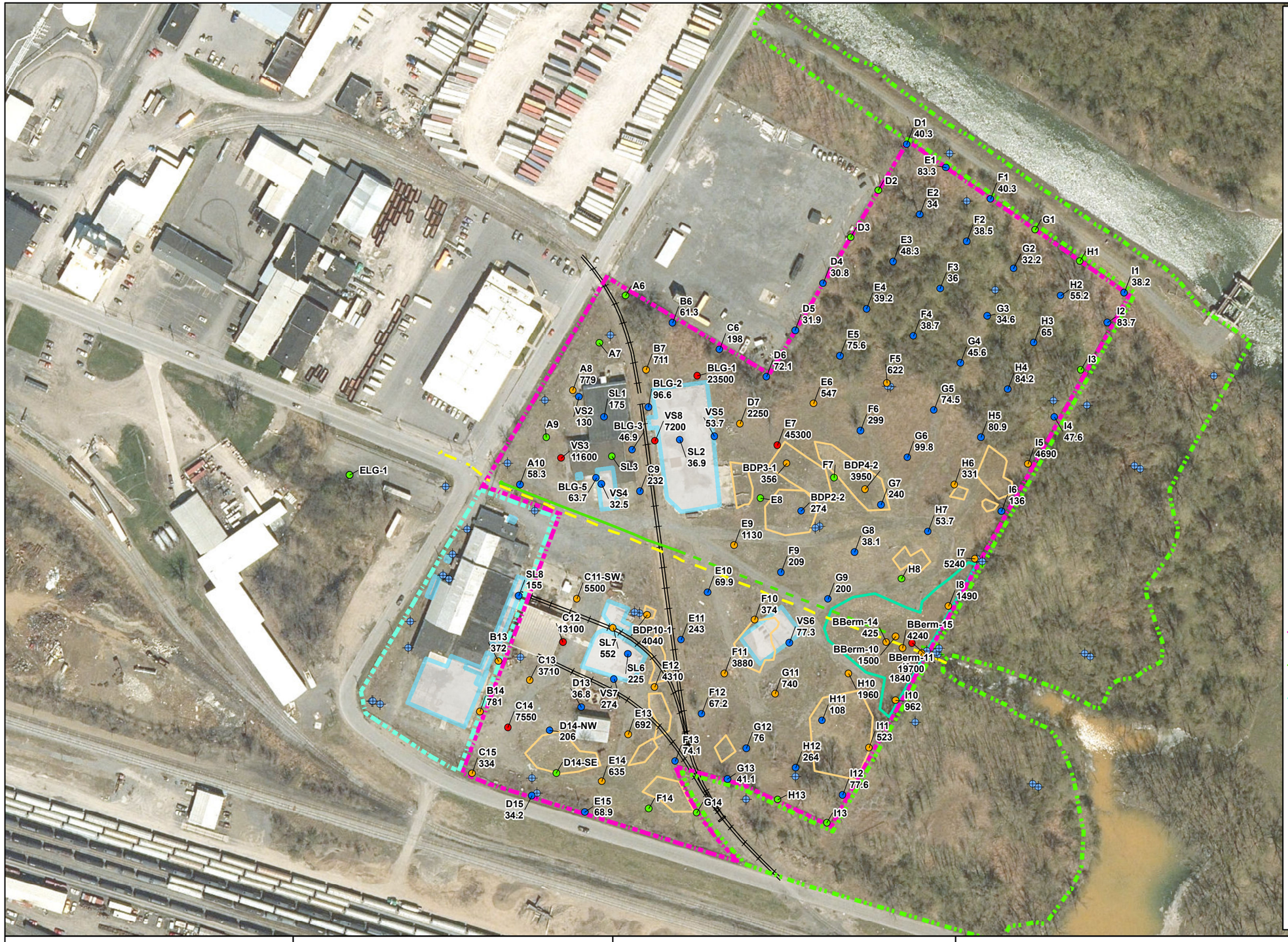
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0 110 220 330 440
Feet

Figure O-123
Nickel in Surface Soil
(0 to 2")

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LEGEND

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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

EHS Support

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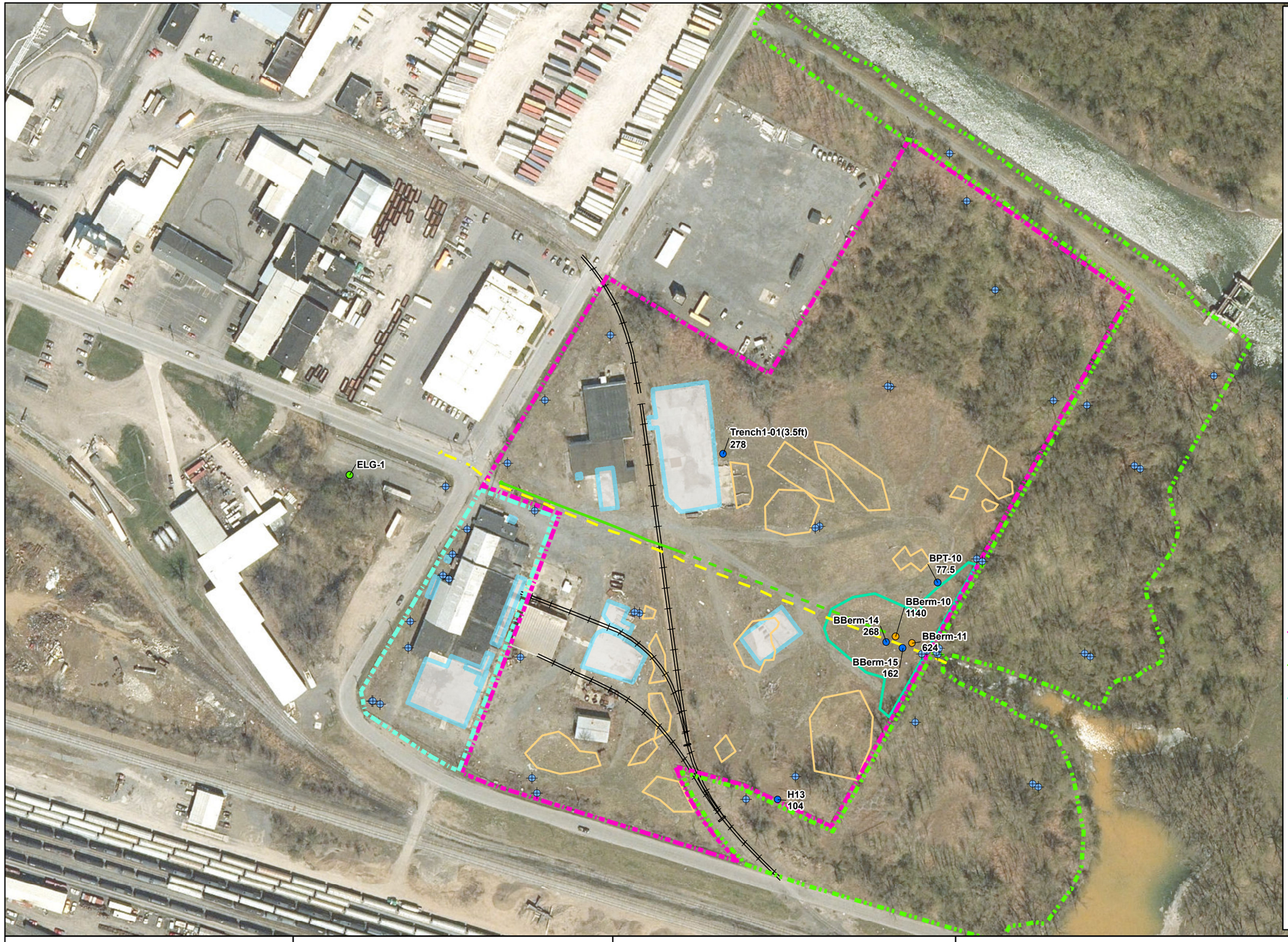
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0 110 220 330 440
Feet

Figure O-124
Nickel in Subsurface Soil
(2" to 2')

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LEGEND

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

EHS Support

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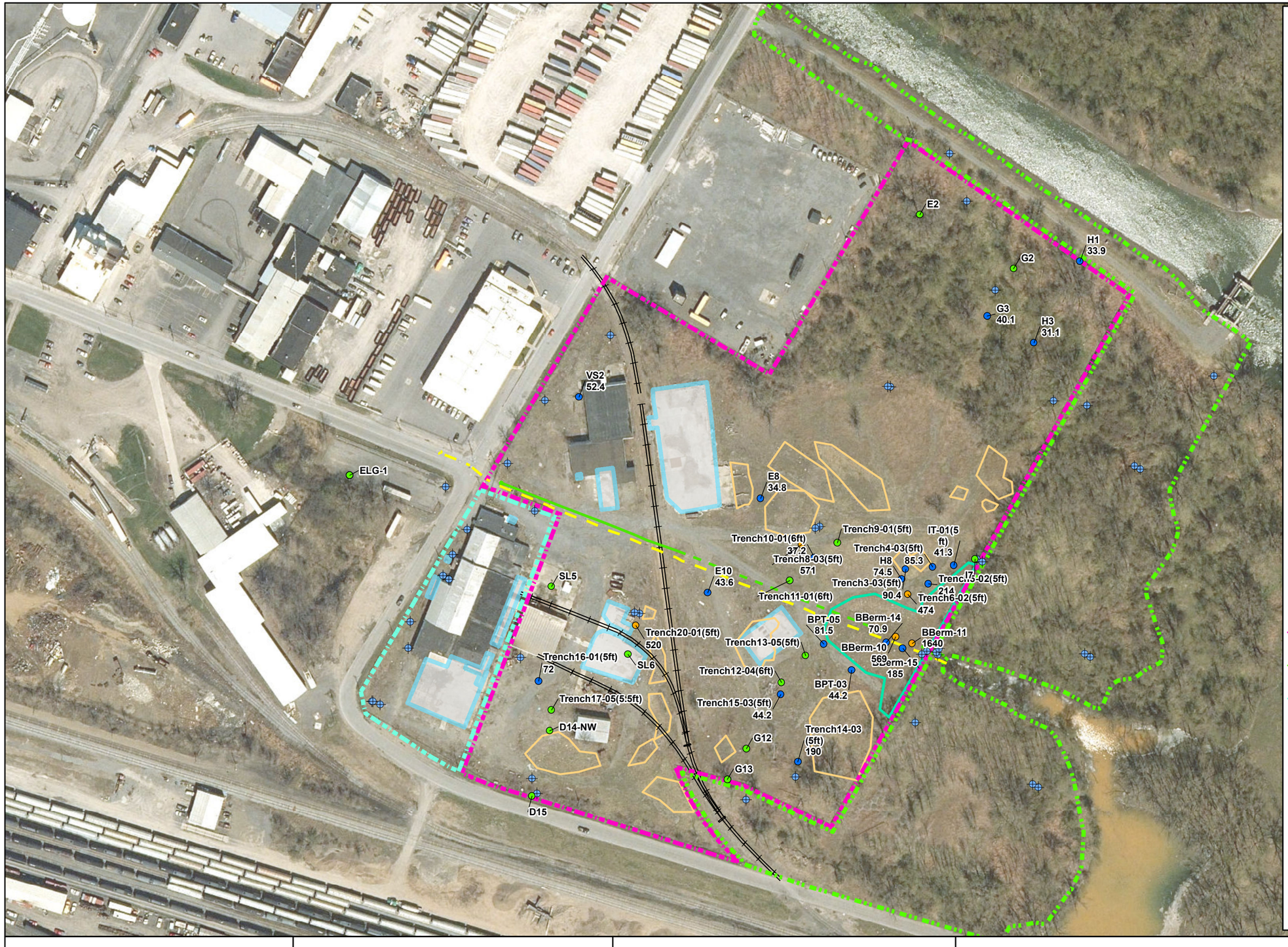
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0 110 220 330 440
Feet

Figure O-125
Nickel in Subsurface Soil
(2' to 4')

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LEGEND

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- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

EHS Support

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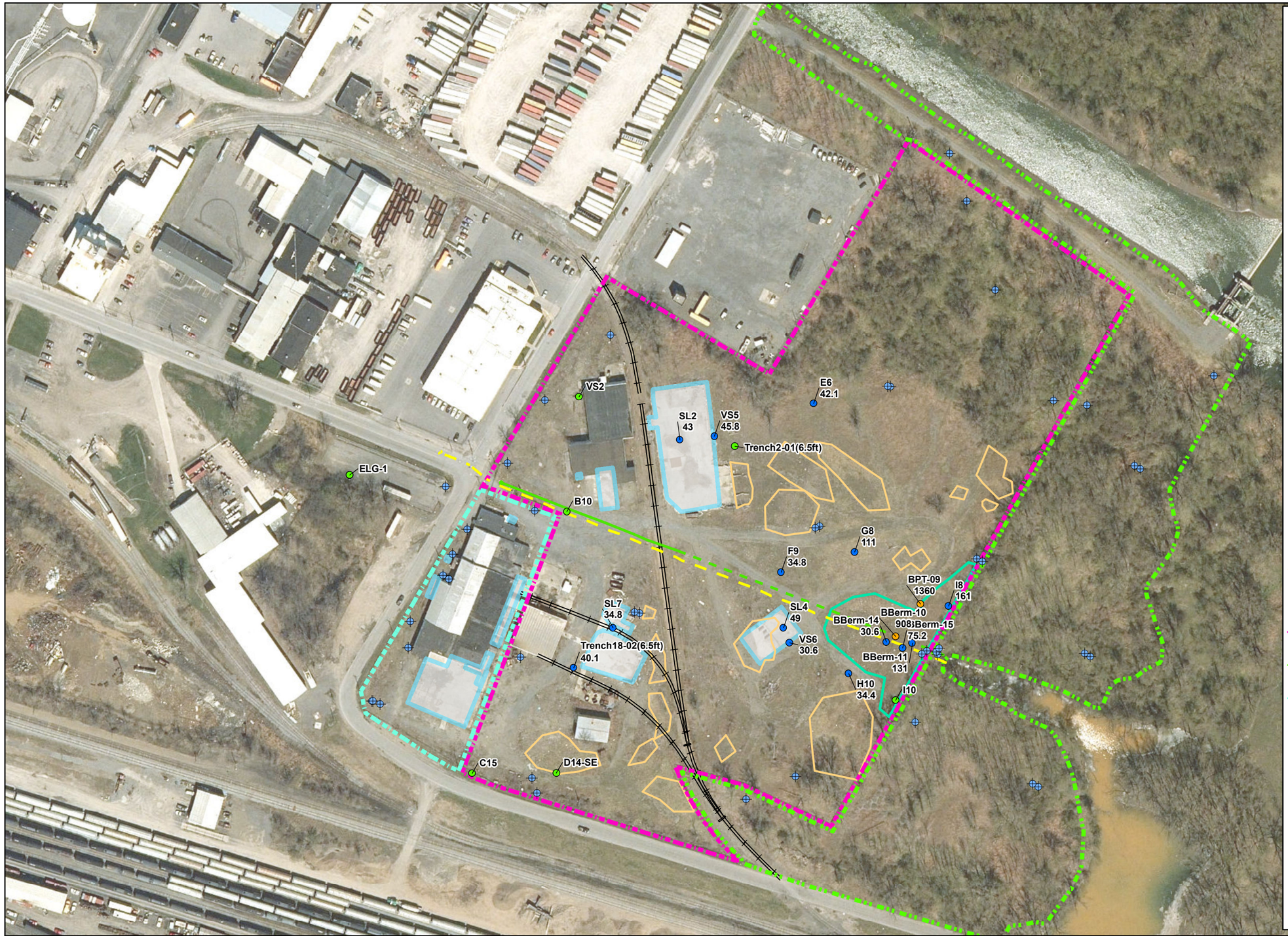
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0 110 220 330 440
Feet

Figure O-126
Nickel in Subsurface Soil
(4' to 6')

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LEGEND

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- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

EHS Support

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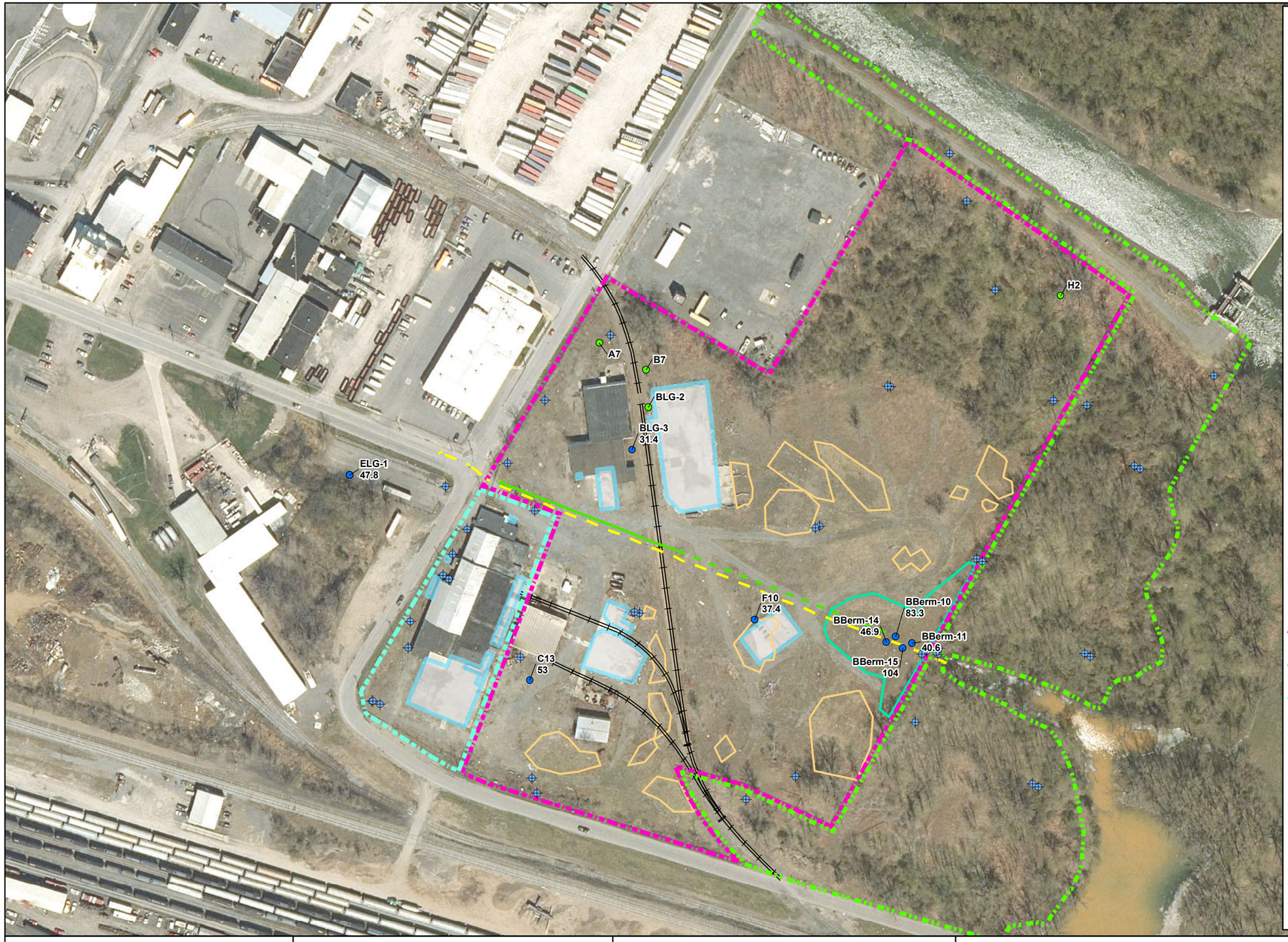
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0 110 220 330 440
Feet

Figure O-127
Nickel in Subsurface Soil
(6' to 8')

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LEGEND

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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

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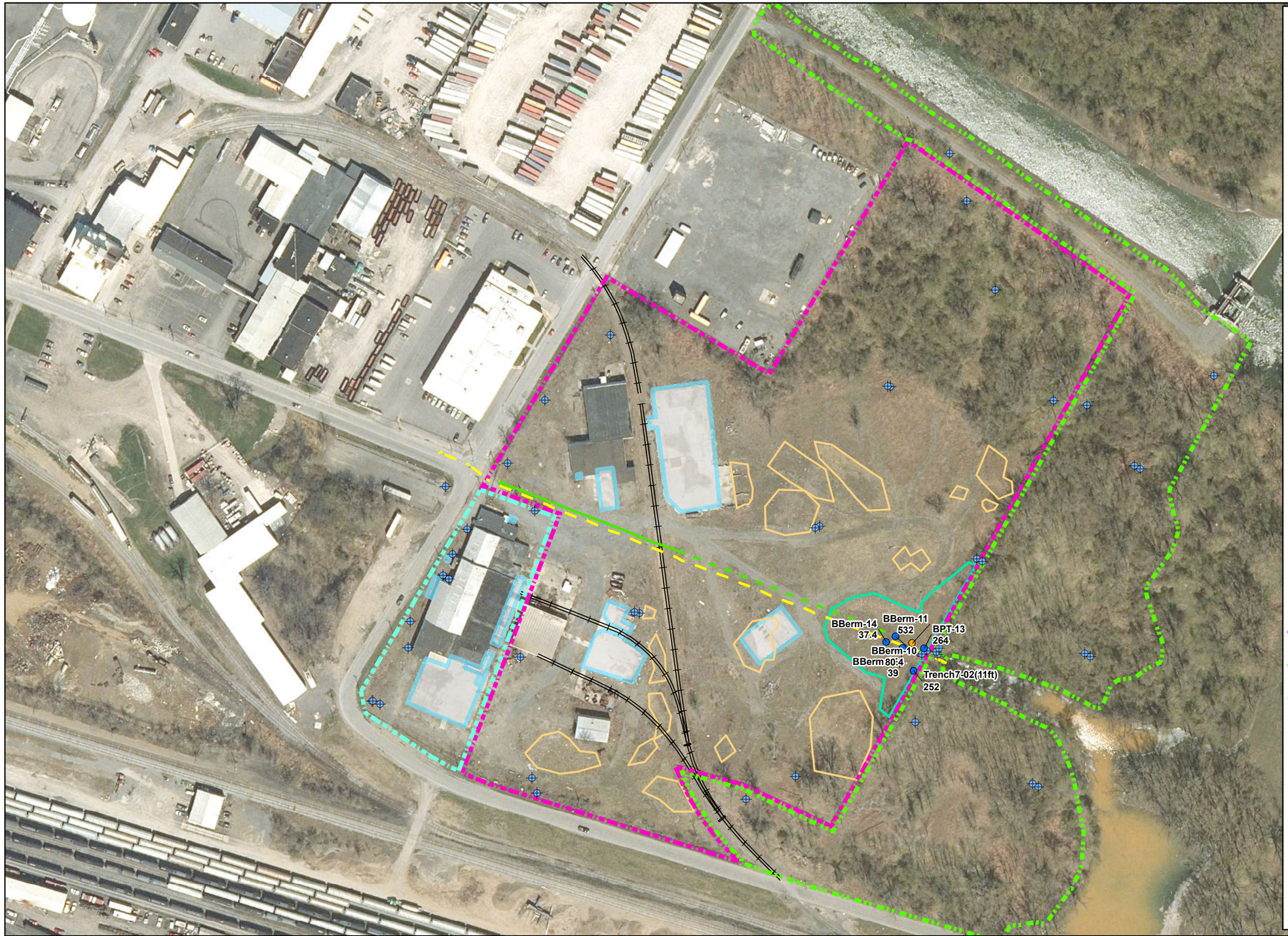
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Feet

Figure O-128
Nickel in Subsurface Soil
(8' to 10')

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LEGEND

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- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

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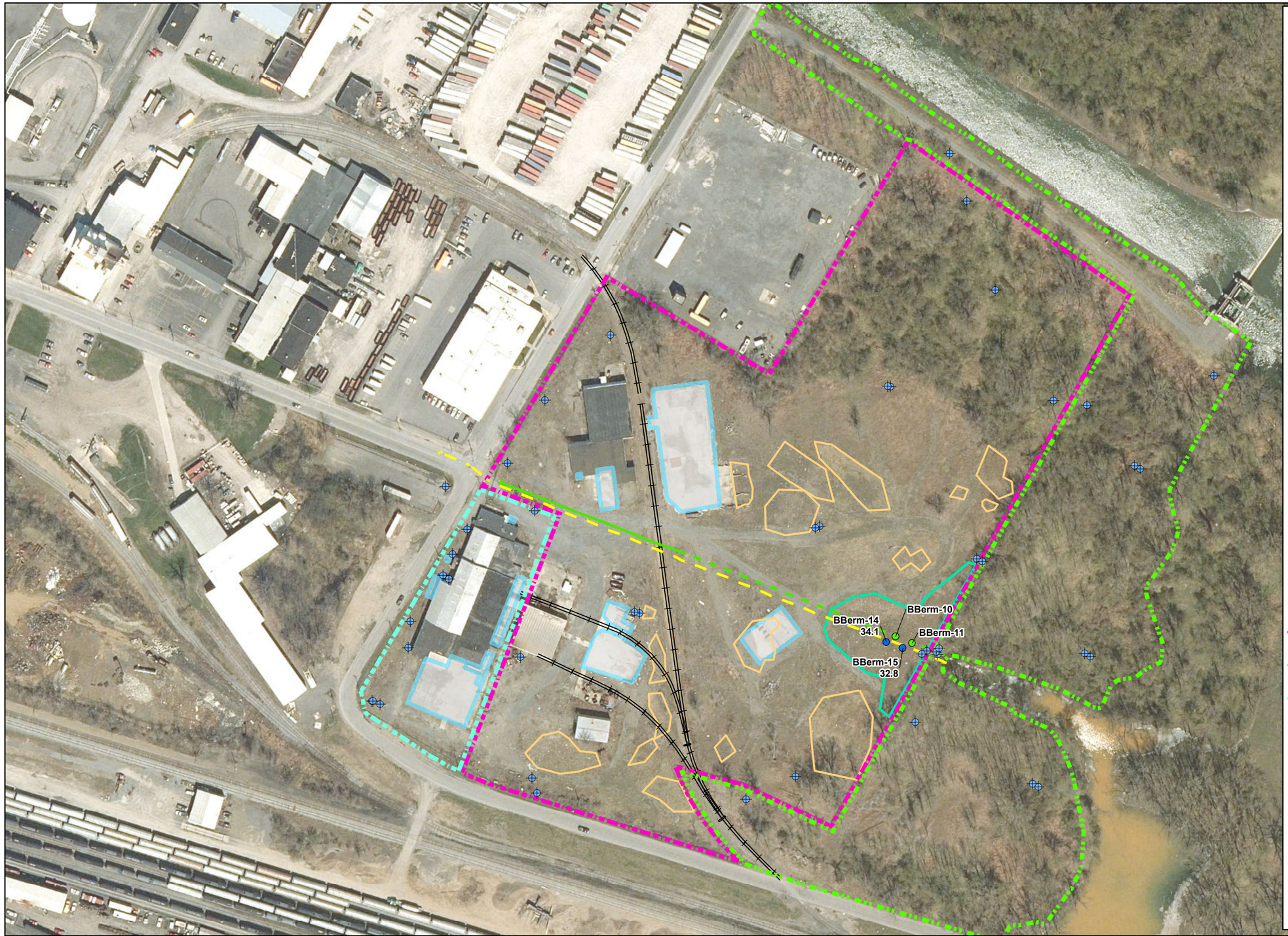
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0 110 220 330 440
Feet

Figure O-129
Nickel in Subsurface Soil
(10' to 12')

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LEGEND

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- OU3 Boundary
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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

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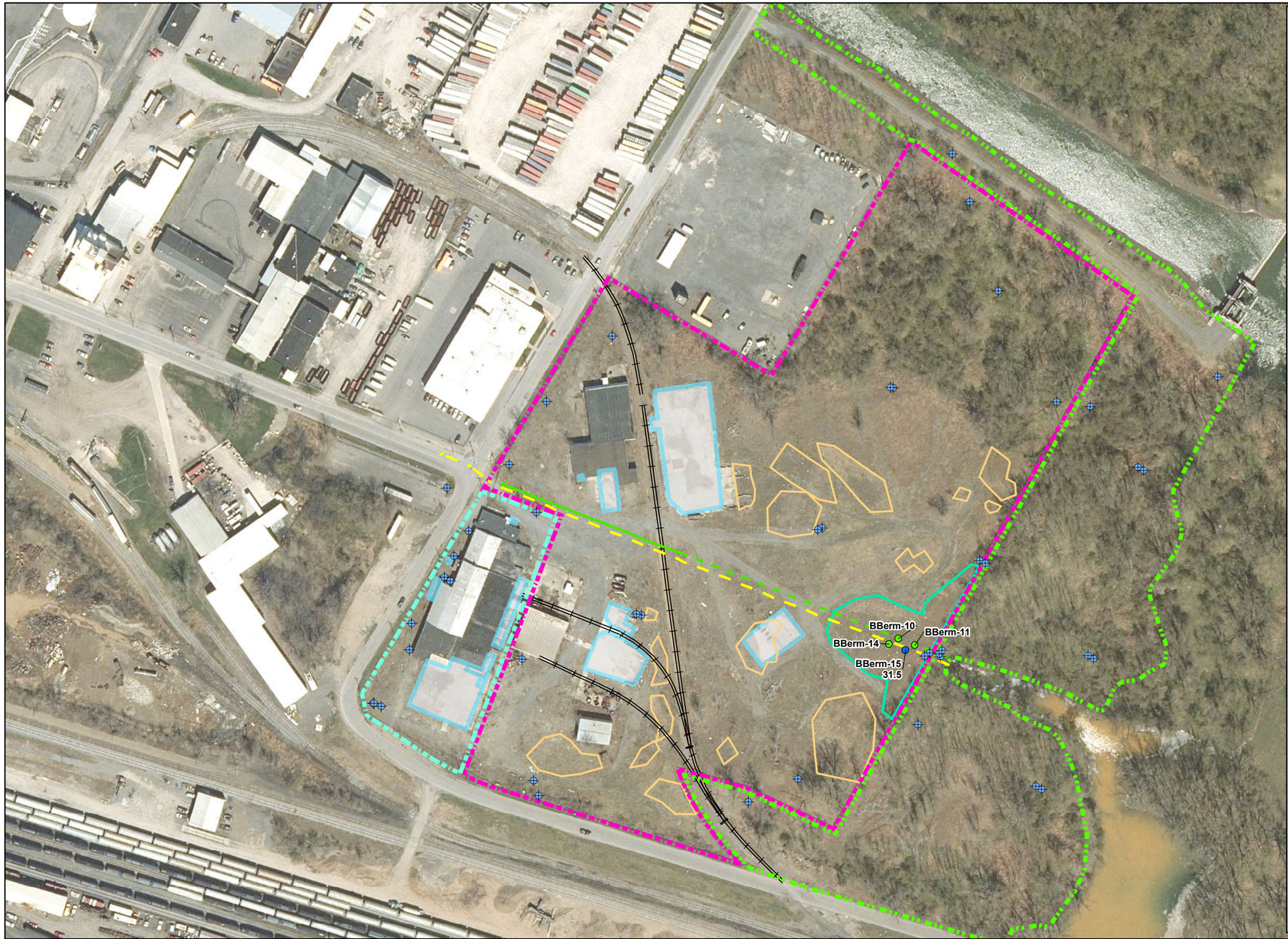
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0 110 220 330 440
Feet

Figure O-130
Nickel in Subsurface Soil
(12' to 14')

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LEGEND

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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

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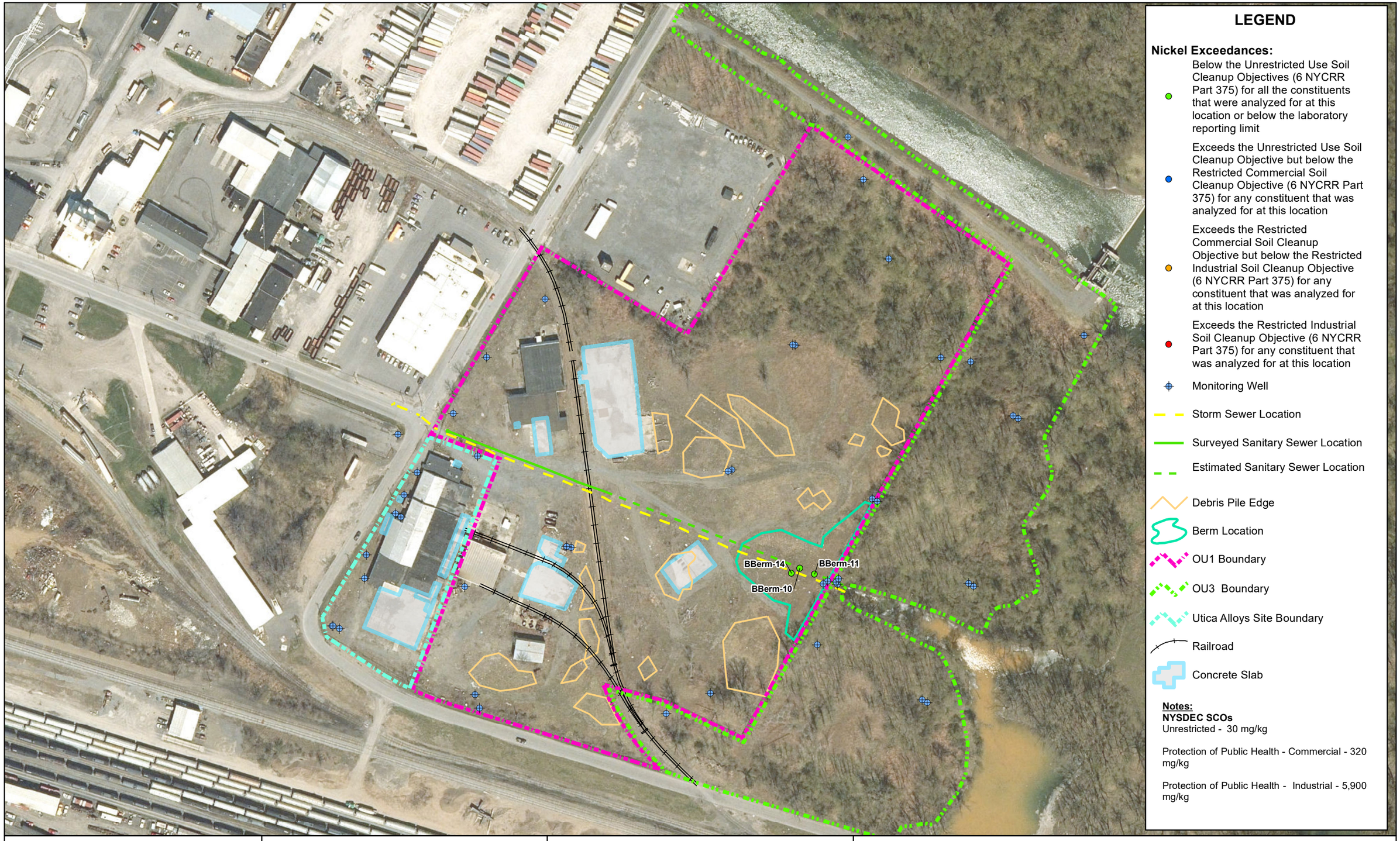
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0 110 220 330 440
Feet

Figure O-131
Nickel in Subsurface Soil
(14' to 16')

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LEGEND

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Notes:
NYSDEC SCOs
Unrestricted - 30 mg/kg

Protection of Public Health - Commercial - 320 mg/kg

Protection of Public Health - Industrial - 5,900 mg/kg

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N

0 110 220 330 440
Feet

Figure O-132
Nickel in Subsurface Soil
(18' to 20')

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LEGEND

Silver Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2 mg/kg

Protection of Public Health - Commercial - 1,700 mg/kg

Protection of Public Health - Industrial - 2,000 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

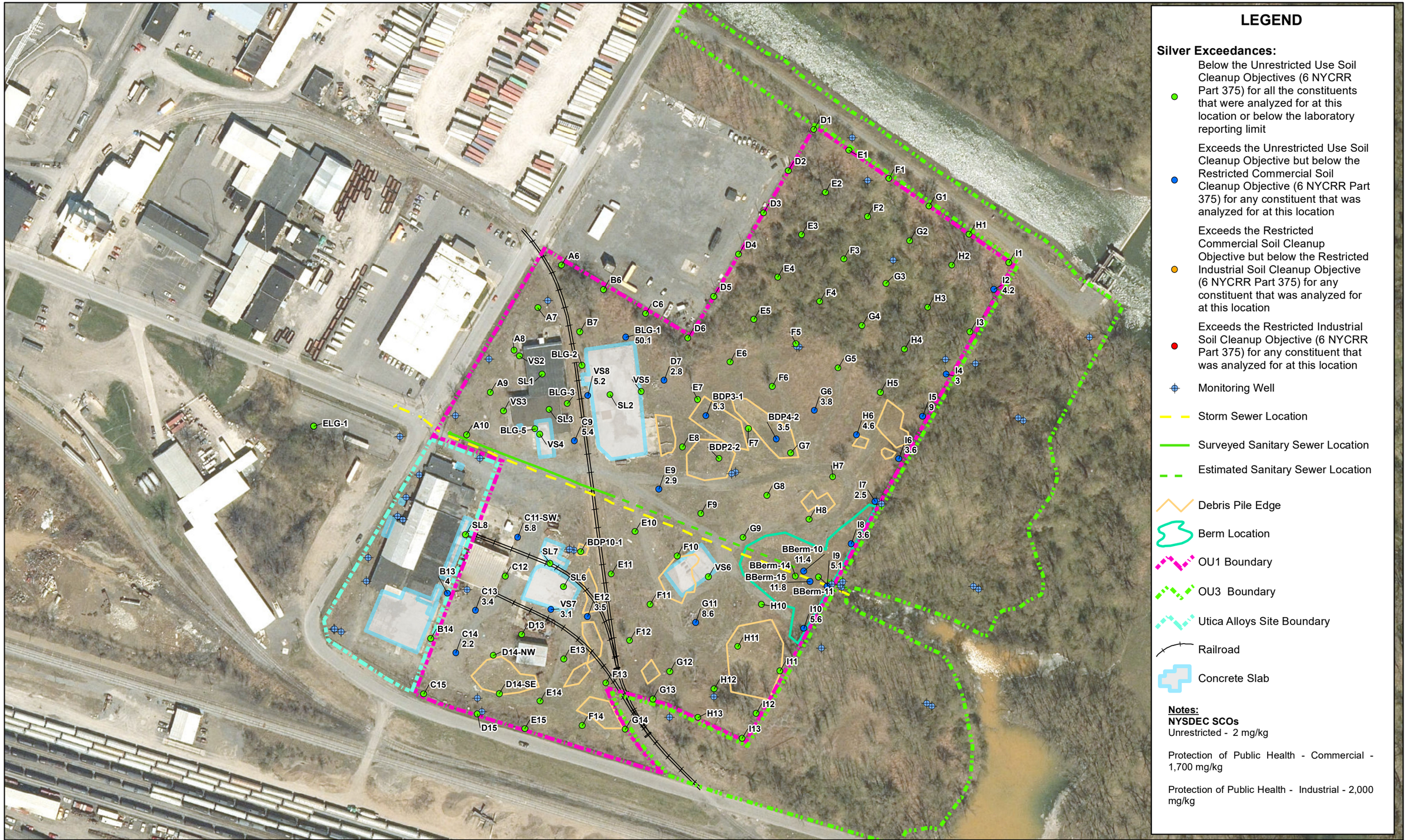
N

0 110 220 330 440
Feet

Figure O-133
Silver in Surface Soil
(0 to 2")

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LEGEND

Silver Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2 mg/kg

Protection of Public Health - Commercial - 1,700 mg/kg

Protection of Public Health - Industrial - 2,000 mg/kg

EHS Support

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UTICA, NEW YORK

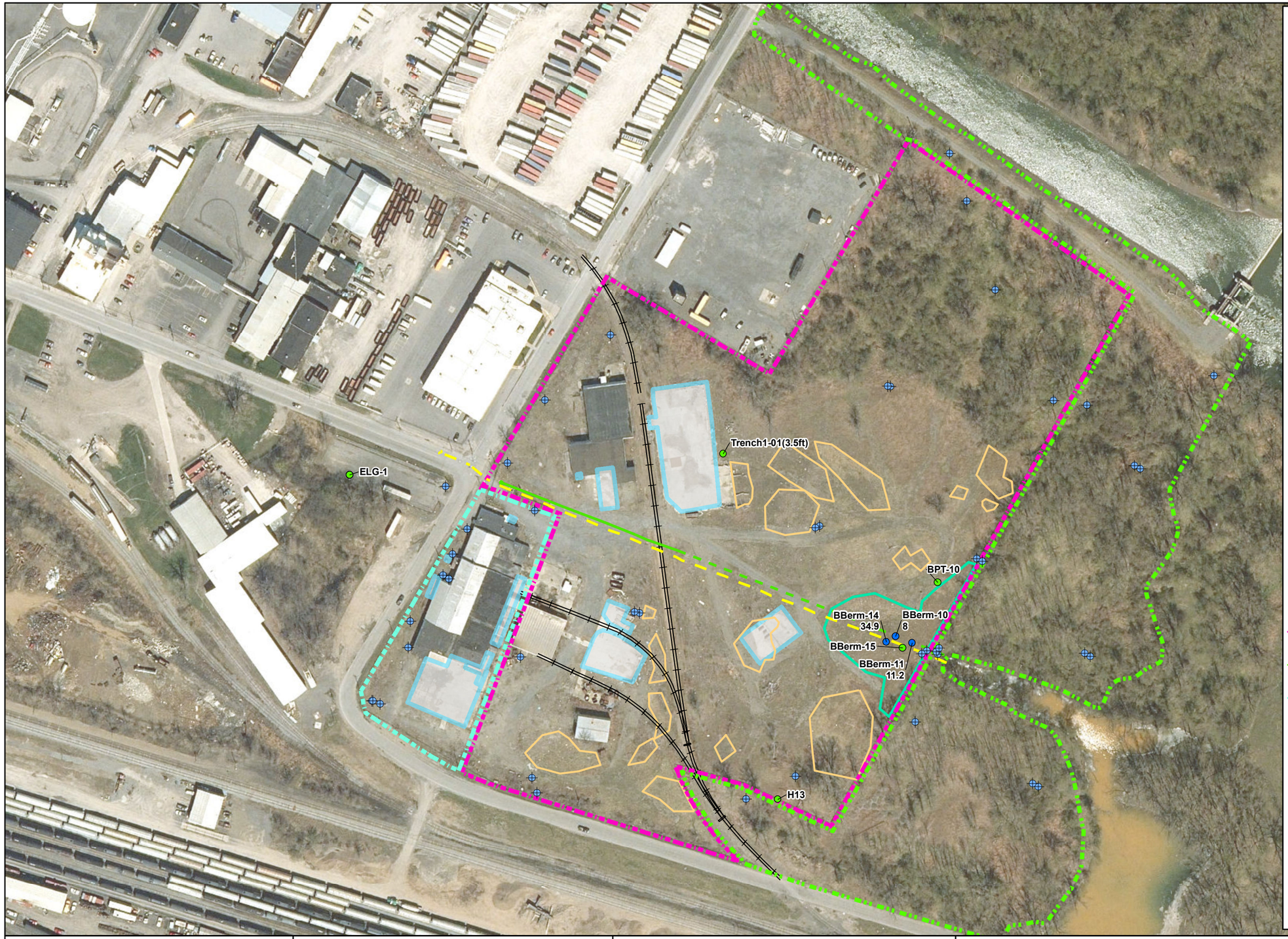
N

0 110 220 330 440
Feet

Figure O-134
Silver in Subsurface Soil
(2" to 2')

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LEGEND

Silver Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2 mg/kg

Protection of Public Health - Commercial - 1,700 mg/kg

Protection of Public Health - Industrial - 2,000 mg/kg

EHS Support

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UTICA, NEW YORK

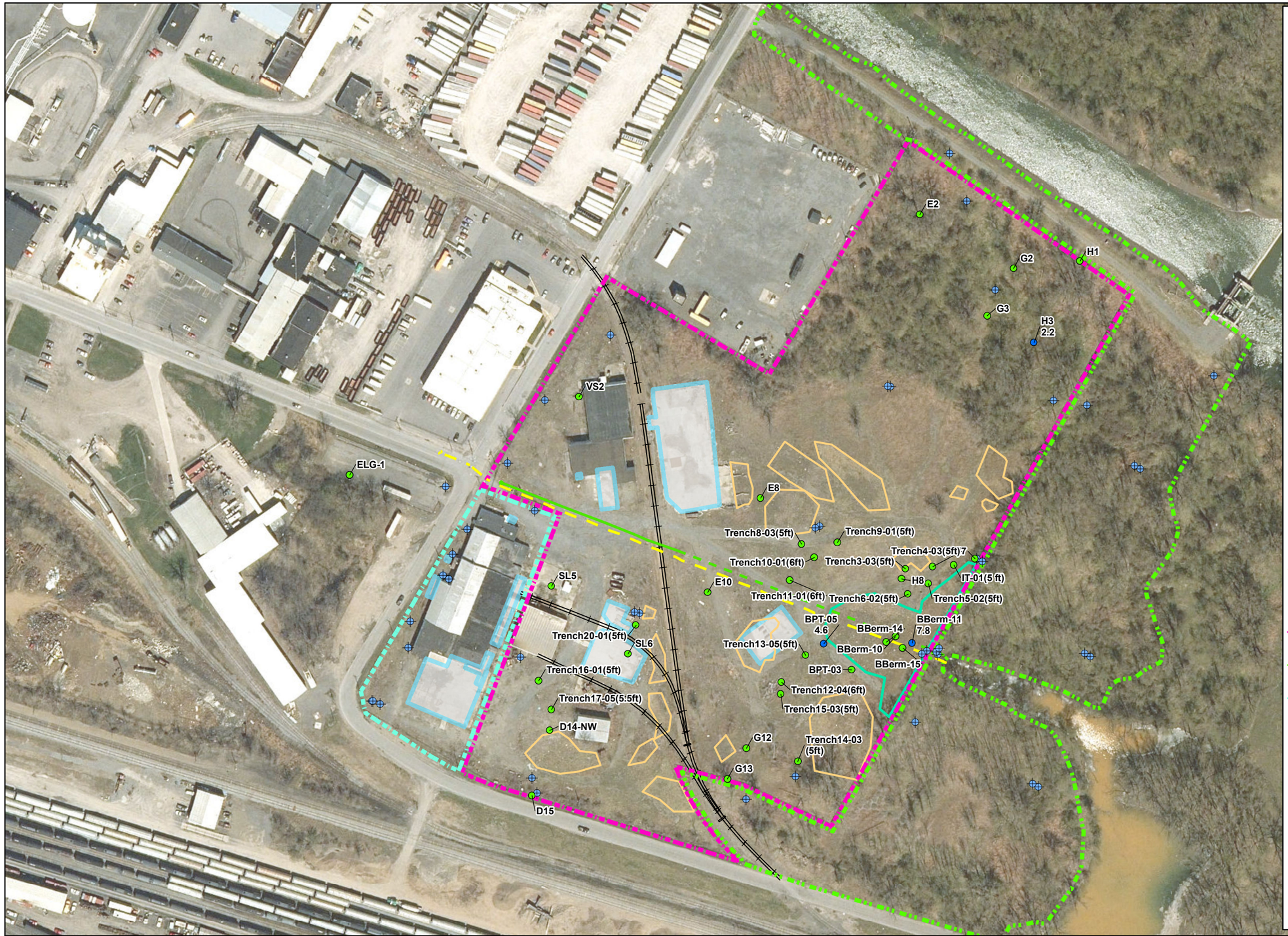
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0 110 220 330 440
Feet

Figure O-135
Silver in Subsurface Soil
(2' to 4')

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LEGEND

Silver Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2 mg/kg

Protection of Public Health - Commercial - 1,700 mg/kg

Protection of Public Health - Industrial - 2,000 mg/kg

EHS Support

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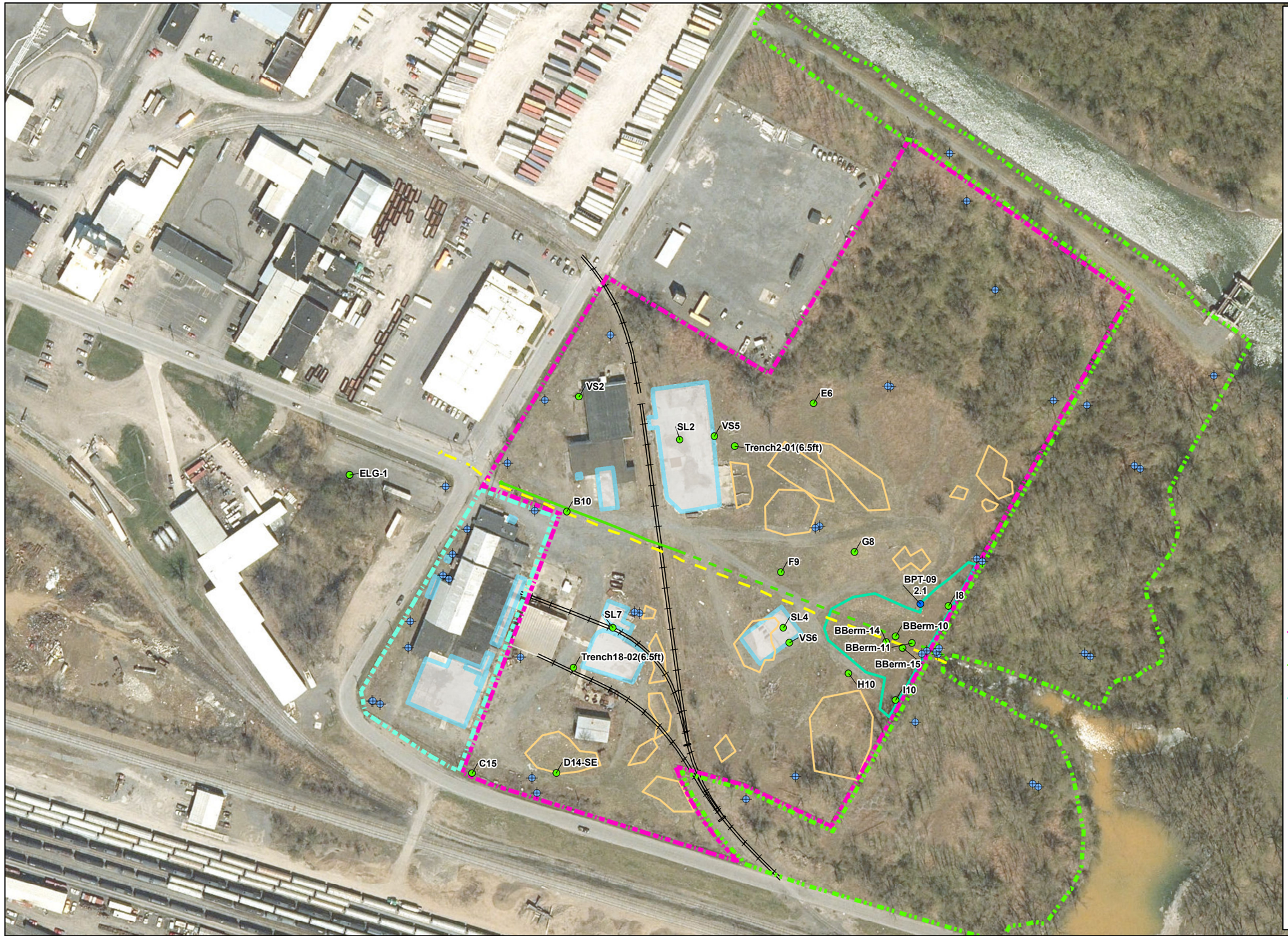
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0 110 220 330 440
Feet

Figure O-136
Silver in Subsurface Soil
(4' to 6')

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LEGEND

Silver Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2 mg/kg

Protection of Public Health - Commercial - 1,700 mg/kg

Protection of Public Health - Industrial - 2,000 mg/kg

EHS Support

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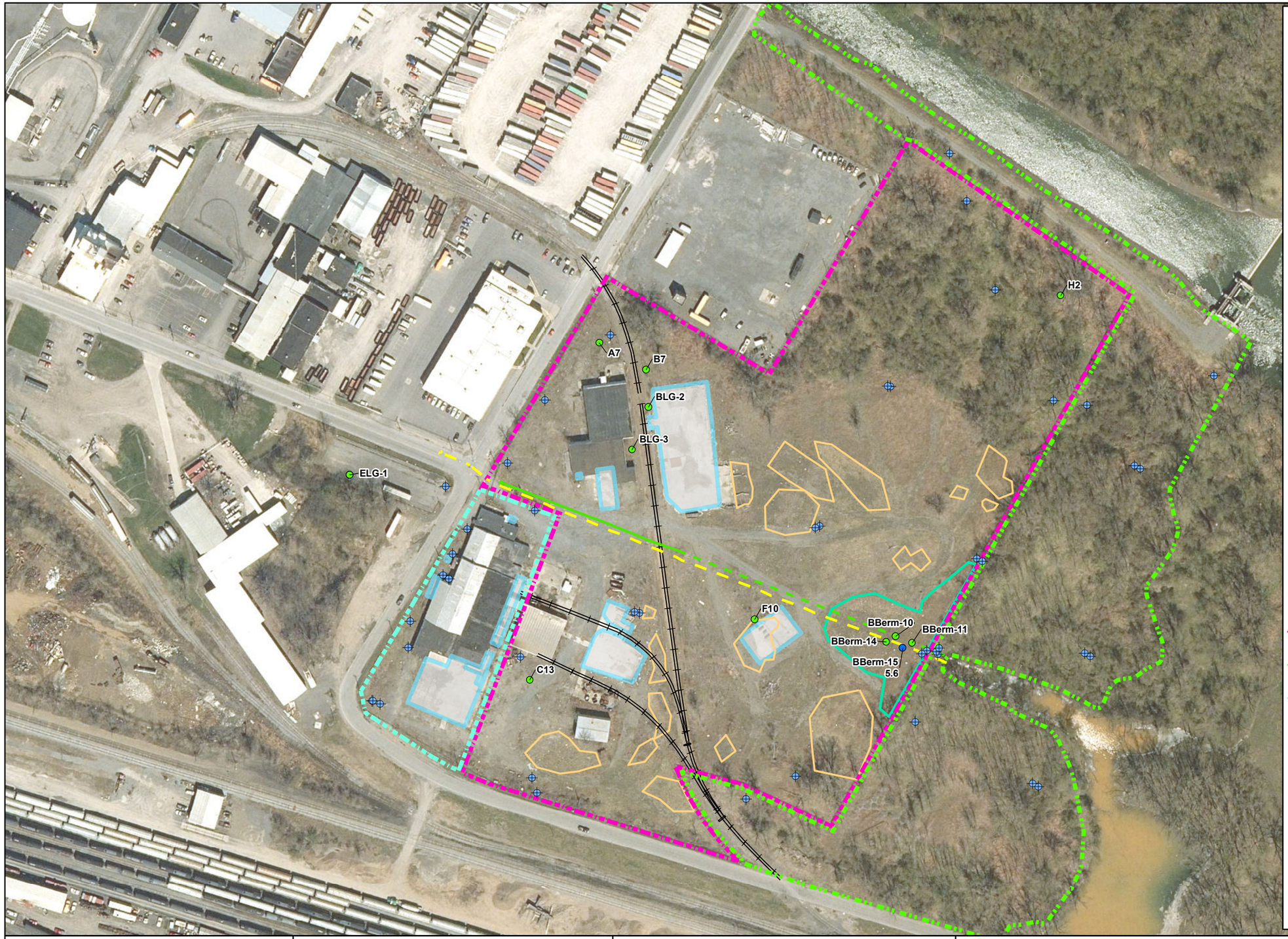
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0 110 220 330 440
Feet

Figure O-137
Silver in Subsurface Soil
(6' to 8')

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LEGEND

Silver Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2 mg/kg

Protection of Public Health - Commercial - 1,700 mg/kg

Protection of Public Health - Industrial - 2,000 mg/kg

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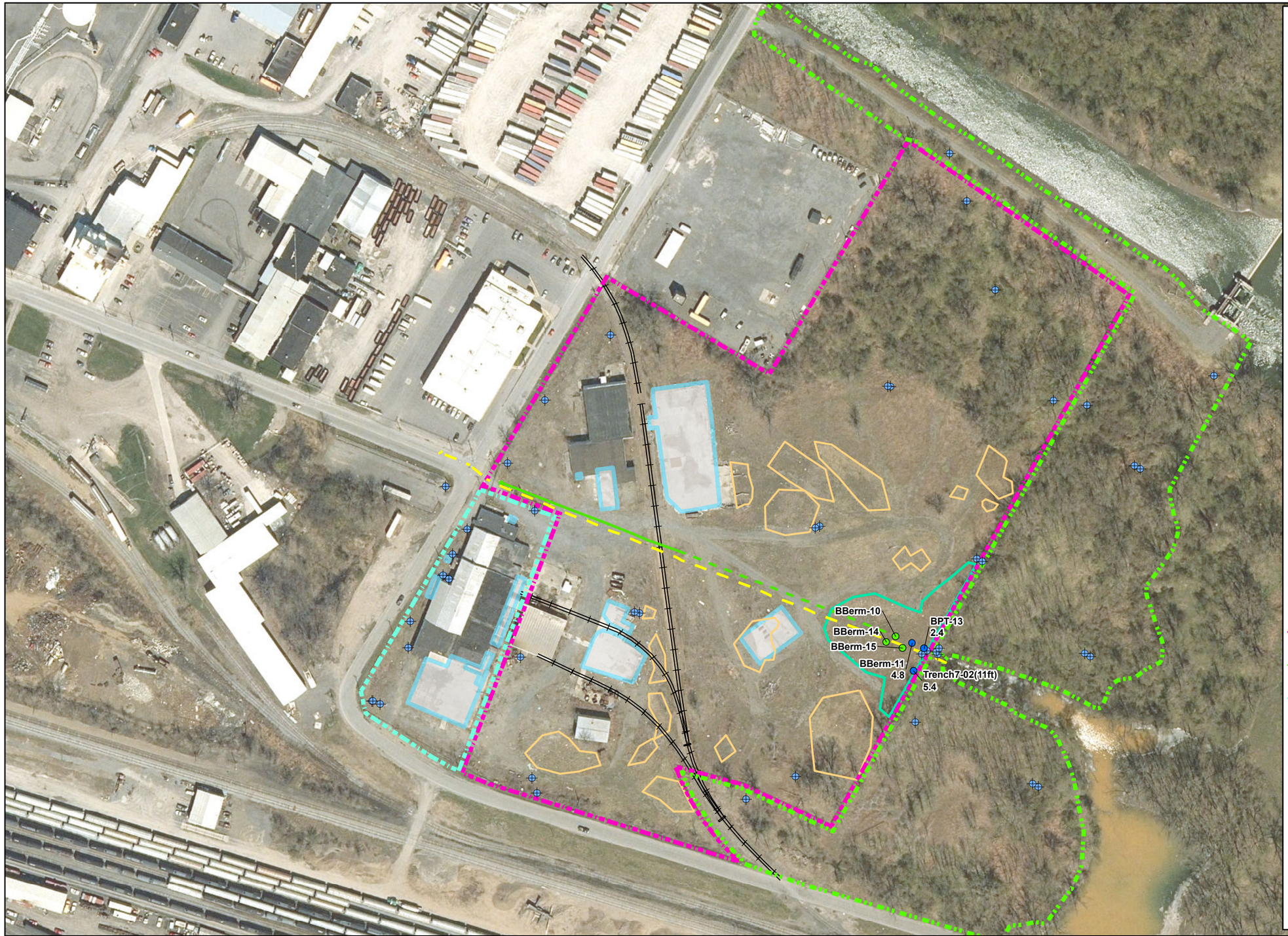
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0 110 220 330 440
Feet

Figure O-138
Silver in Subsurface Soil
(8' to 10')

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LEGEND

Silver Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 2 mg/kg

Protection of Public Health - Commercial - 1,700 mg/kg

Protection of Public Health - Industrial - 2,000 mg/kg

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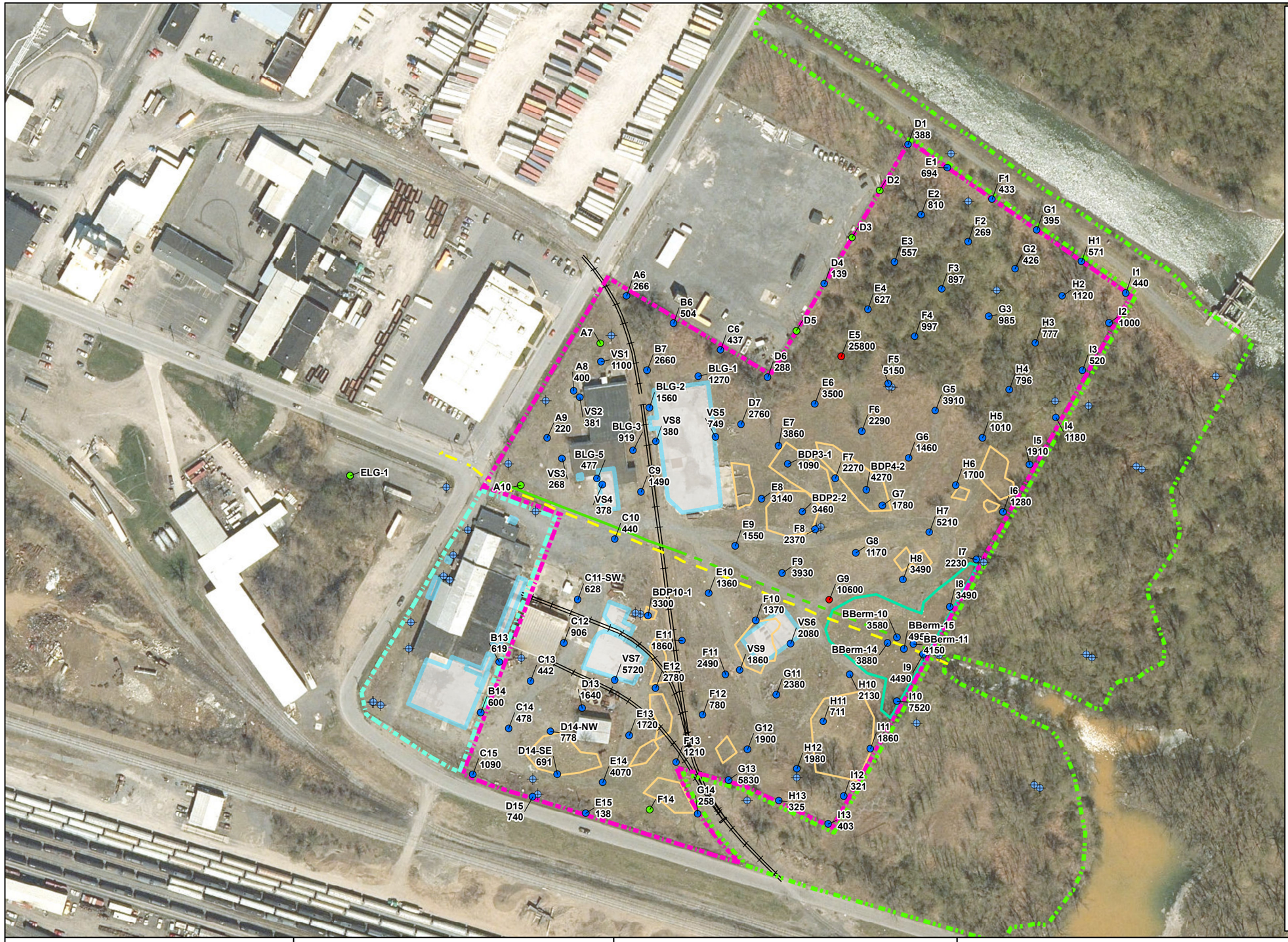
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0 110 220 330 440
Feet

Figure O-139
Silver in Subsurface Soil
(10' to 12')

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LEGEND

Zinc Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 109 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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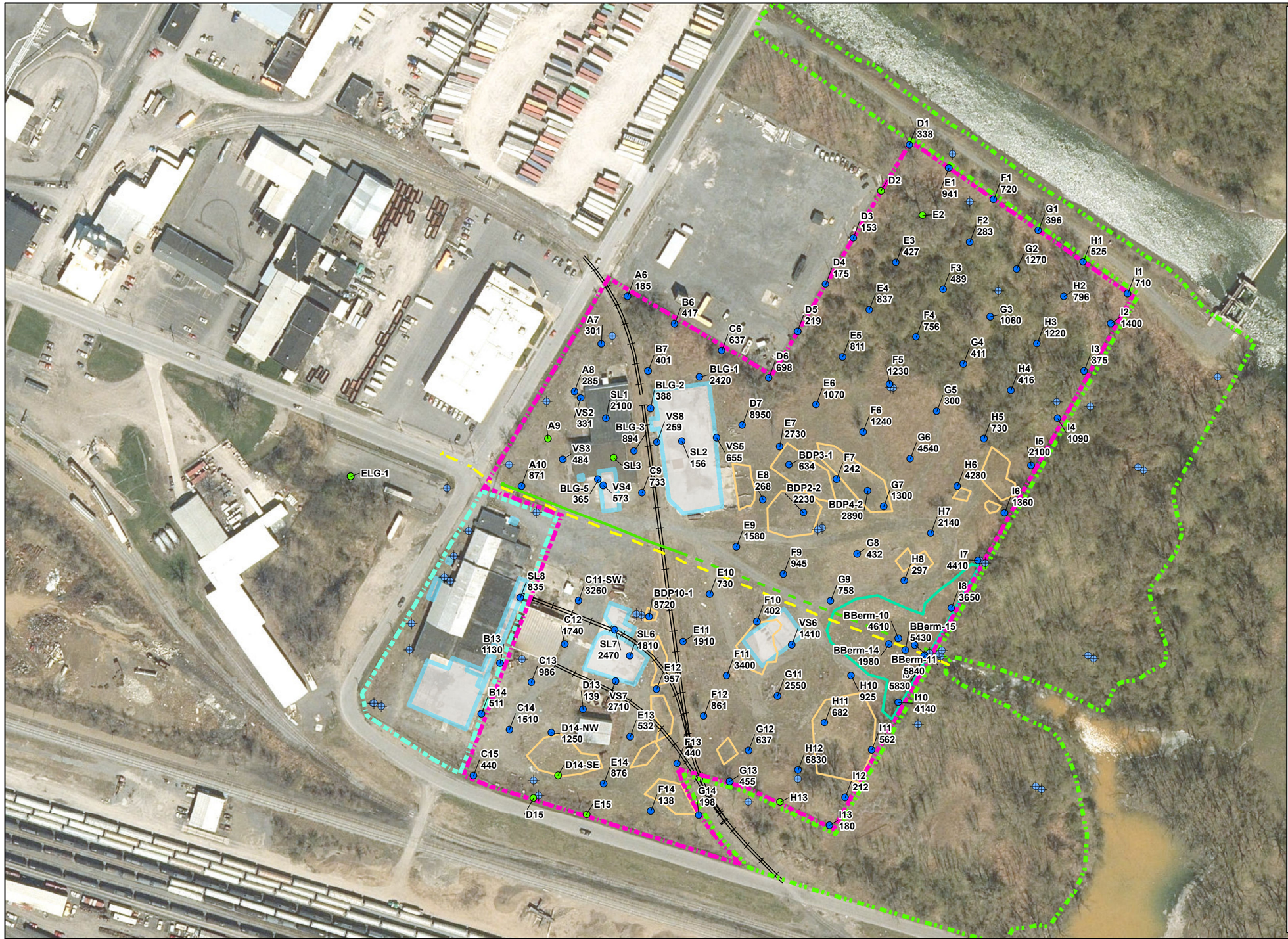
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0 110 220 330 440
Feet

Figure O-140
Zinc in Surface Soil
(0 to 2")

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LEGEND

Zinc Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 109 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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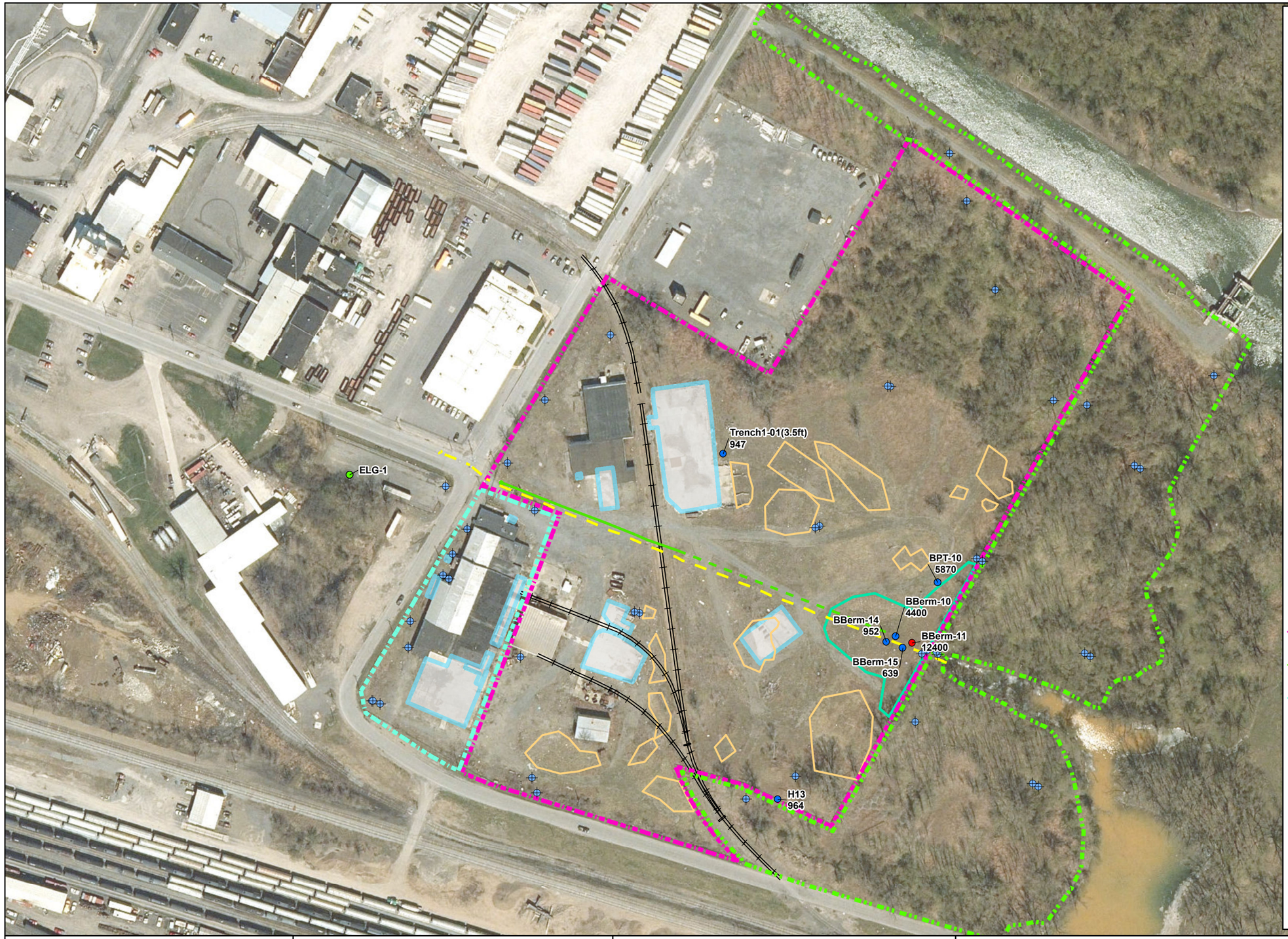
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0 110 220 330 440
Feet

Figure O-141
Zinc in Subsurface Soil
(2" to 2')

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LEGEND

Zinc Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 109 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

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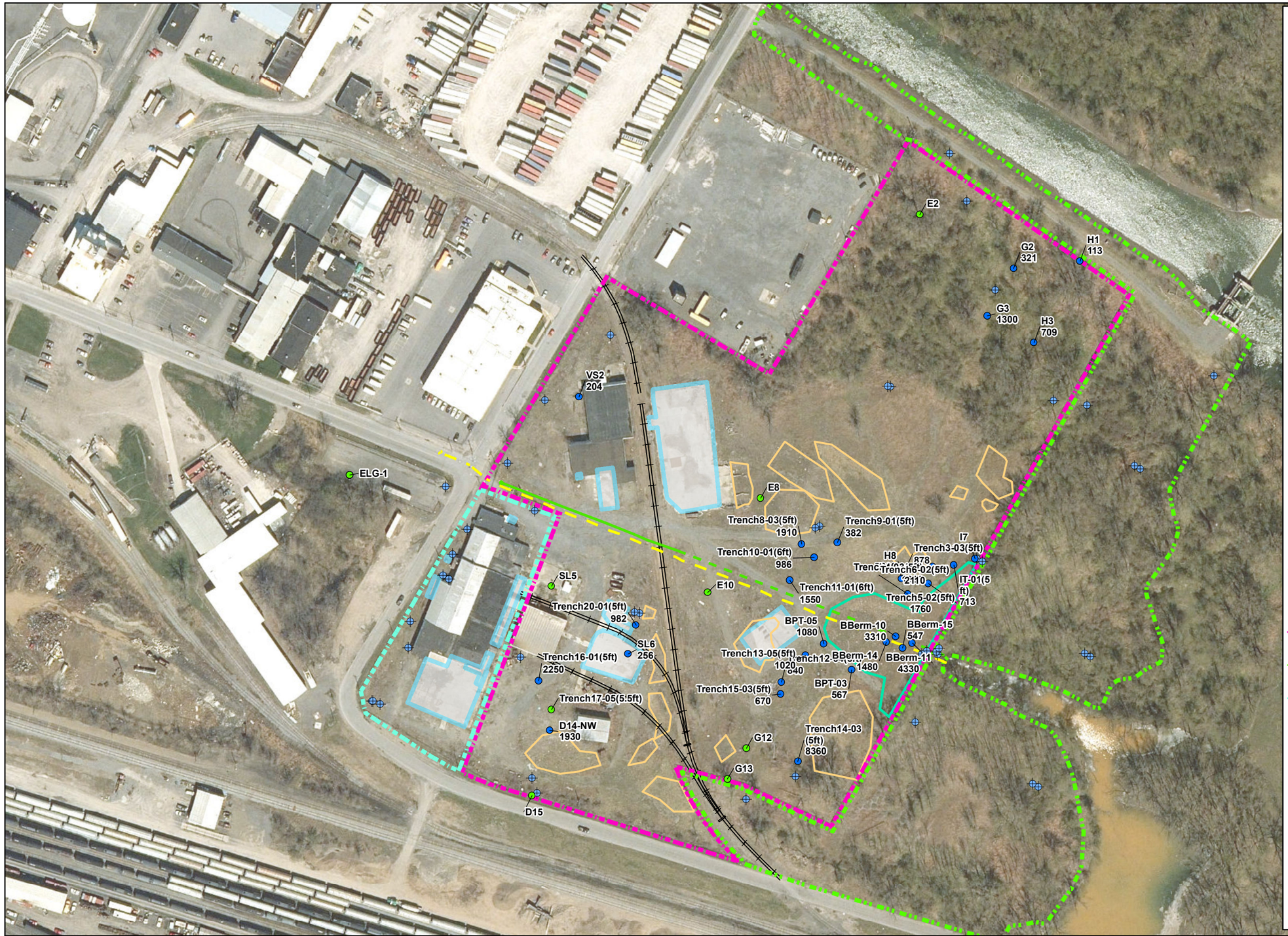
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0 110 220 330 440
Feet

Figure O-142
Zinc in Subsurface Soil
(2' to 4')

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LEGEND

Zinc Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 109 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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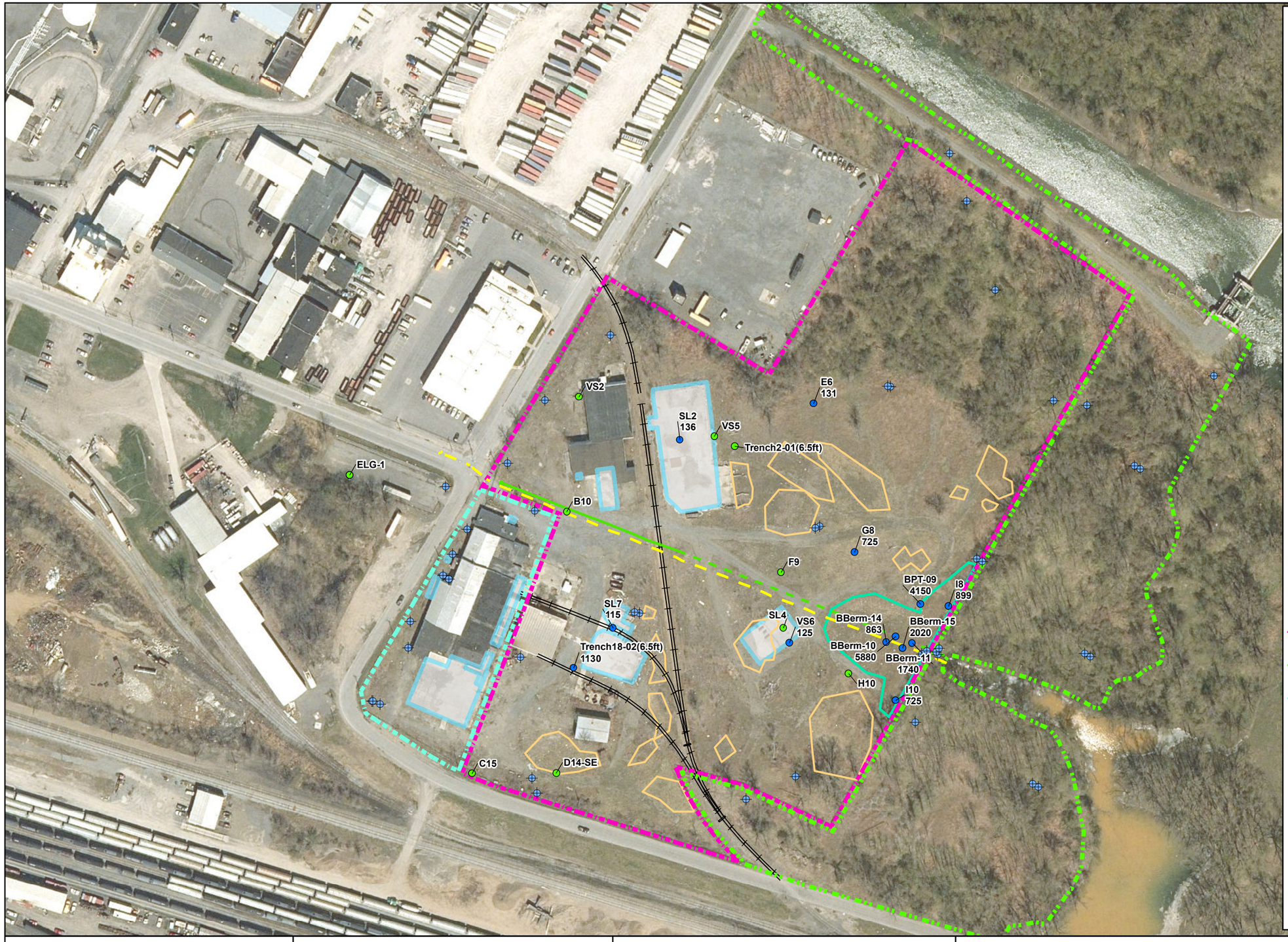
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0 110 220 330 440
Feet

Figure O-143
Zinc in Subsurface Soil
(4' to 6')

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LEGEND

Zinc Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 109 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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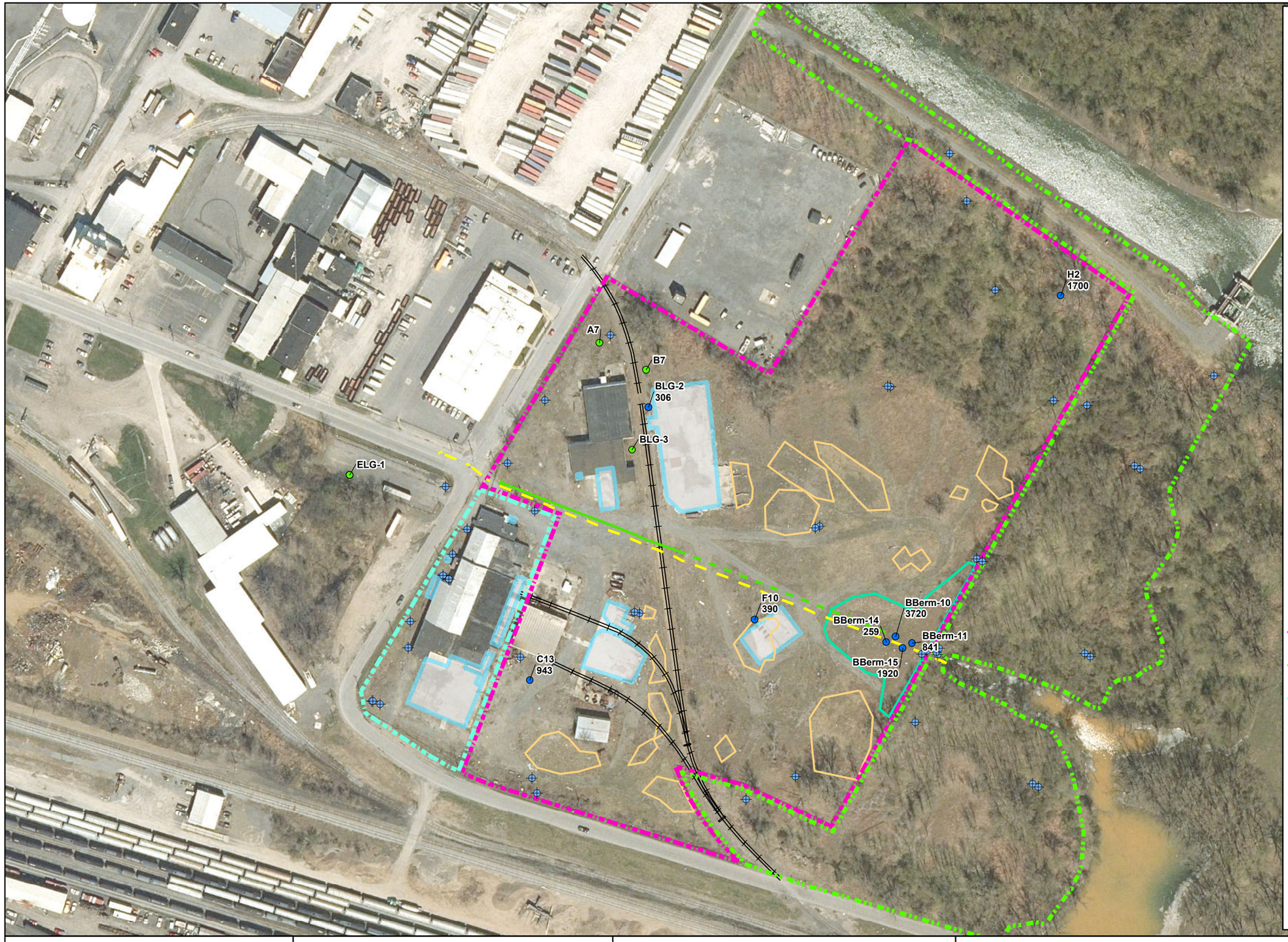
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0 110 220 330 440
Feet

Figure O-144
Zinc in Subsurface Soil
(6' to 8')

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LEGEND

Zinc Exceedances:

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- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 109 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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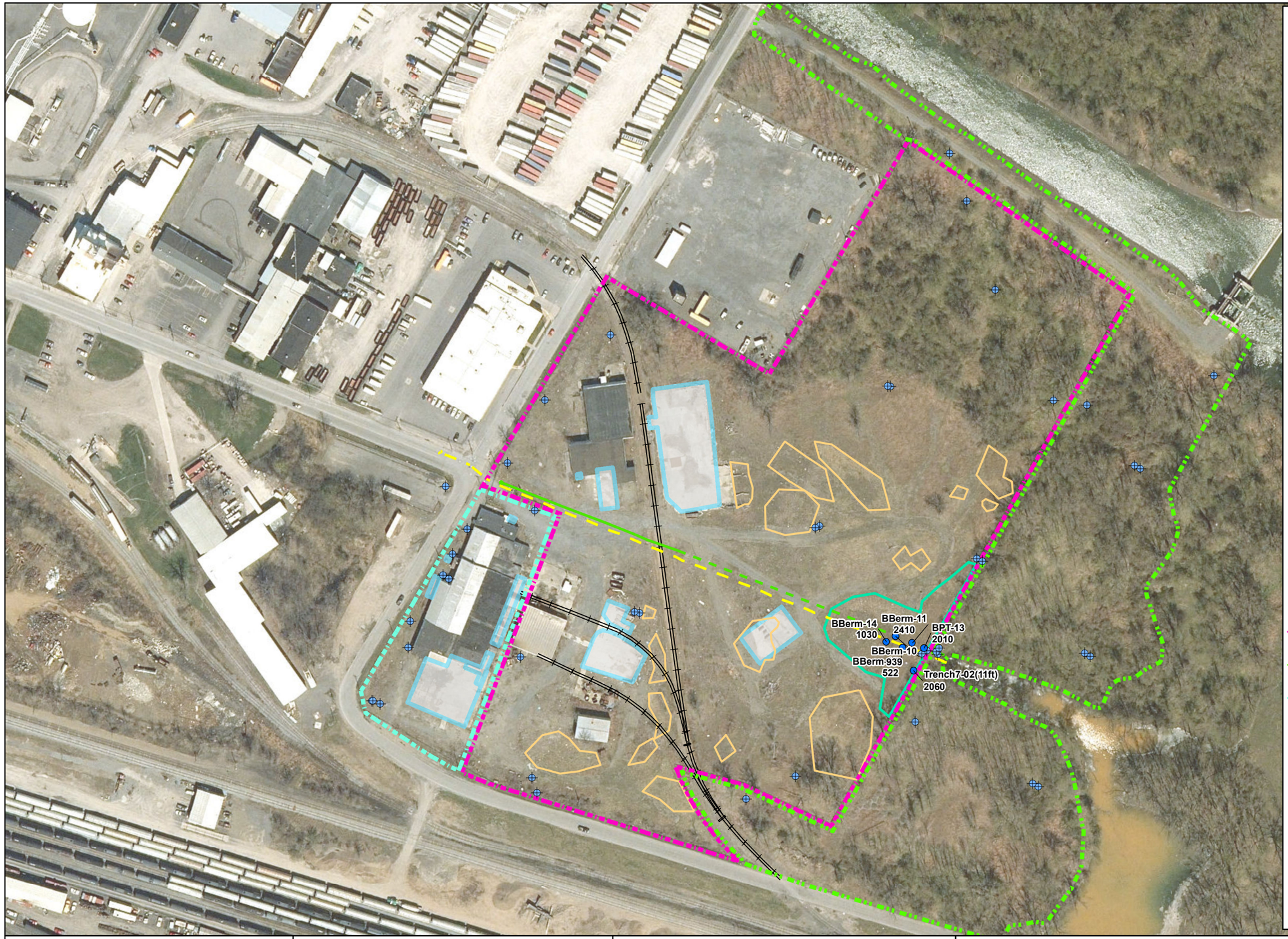
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0 110 220 330 440
Feet

Figure O-145
Zinc in Subsurface Soil
(8' to 10')

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LEGEND

Zinc Exceedances:

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- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 109 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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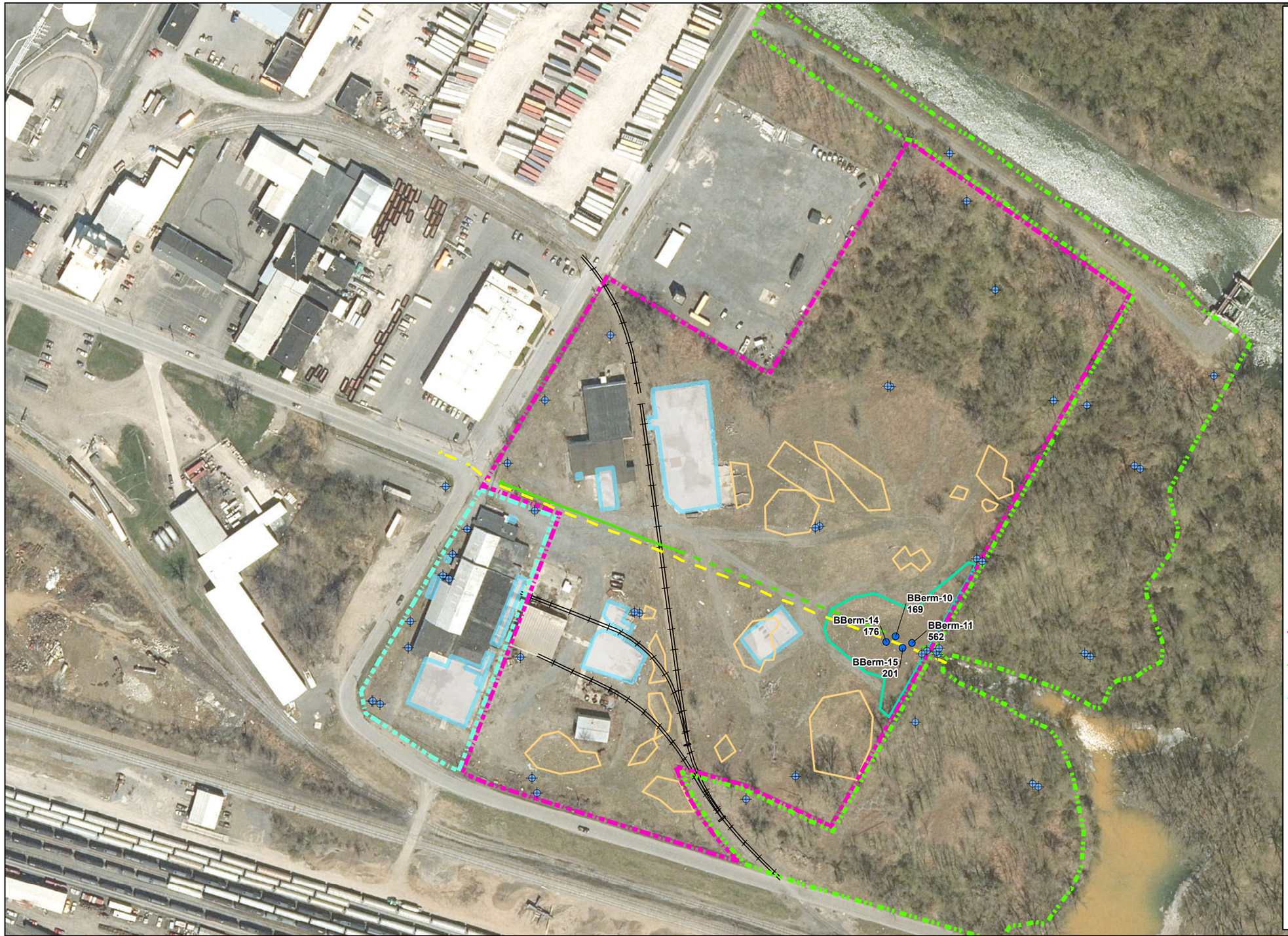
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0 110 220 330 440
Feet

Figure O-146
Zinc in Subsurface Soil
(10' to 12')

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LEGEND

Zinc Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
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- Storm Sewer Location
- Surveyed Sanitary Sewer Location
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- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 109 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

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UNIVERSAL WASTE
UTICA, NEW YORK

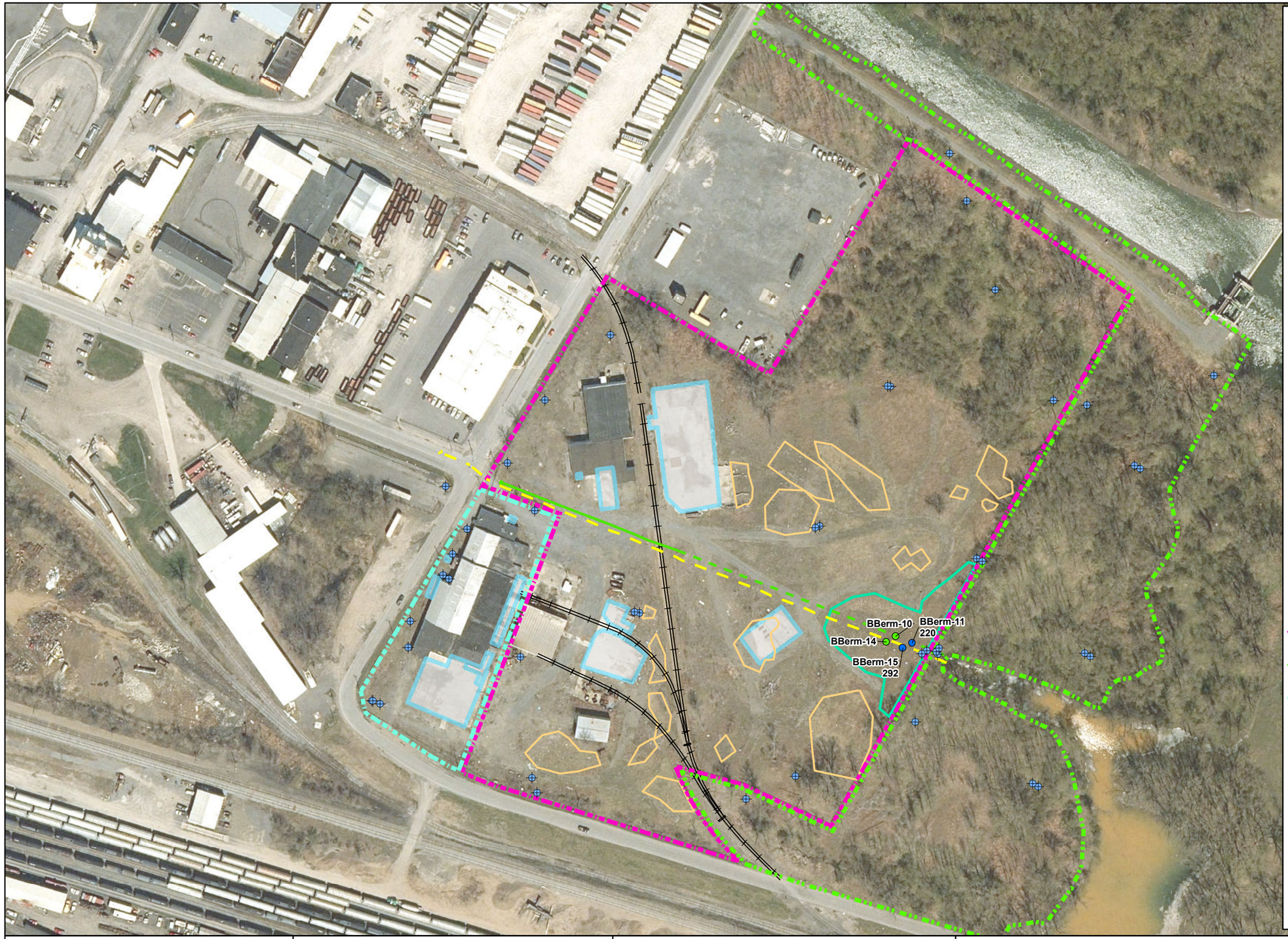
N

0 110 220 330 440
Feet

Figure O-147
Zinc in Subsurface Soil
(12' to 14')

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LEGEND

Zinc Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 109 mg/kg

Protection of Public Health - Commercial - 10,000 mg/kg

Protection of Public Health - Industrial - 10,000 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

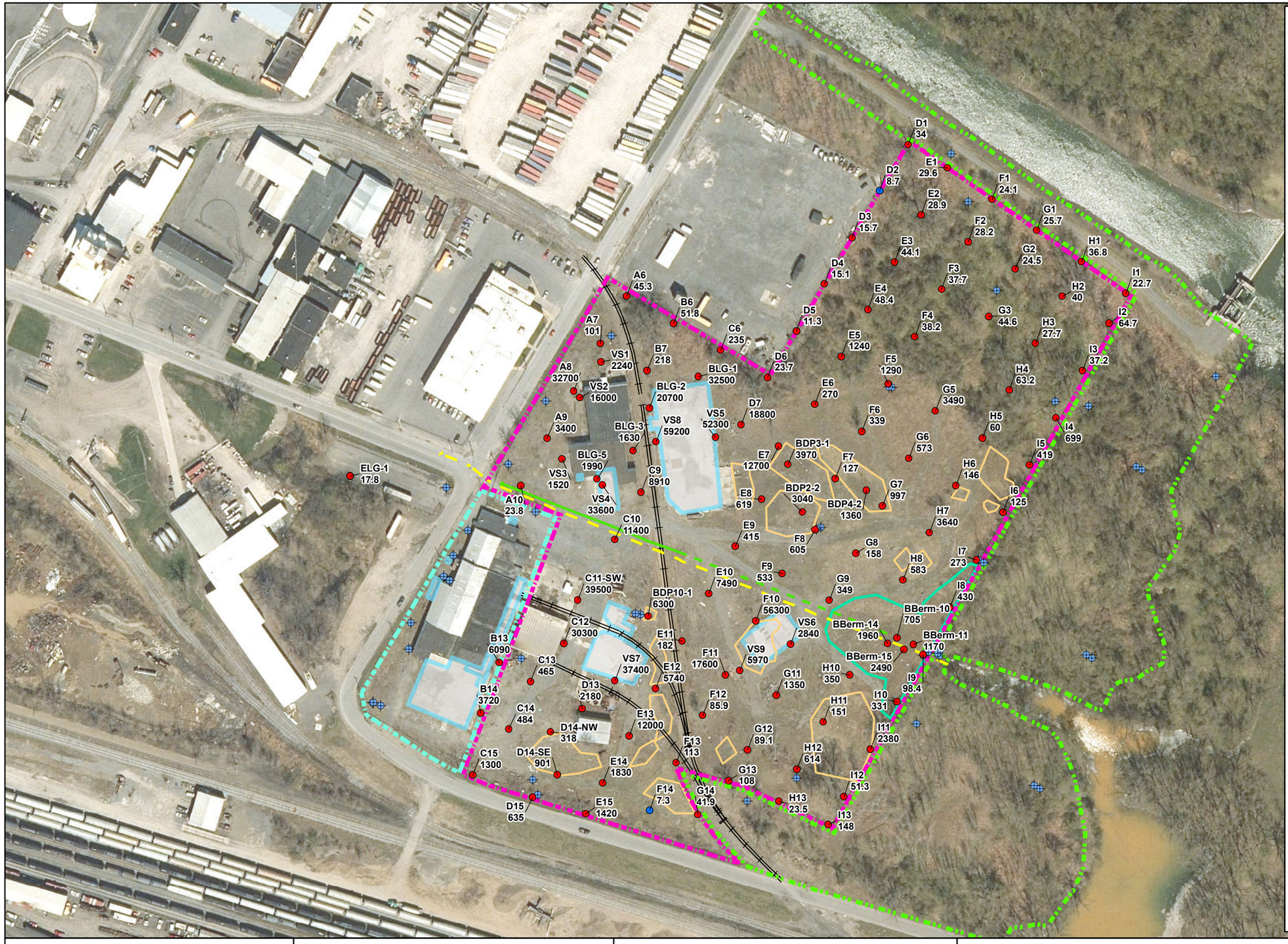
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0 110 220 330 440
Feet

Figure O-148
Zinc in Subsurface Soil
(14' to 16')

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

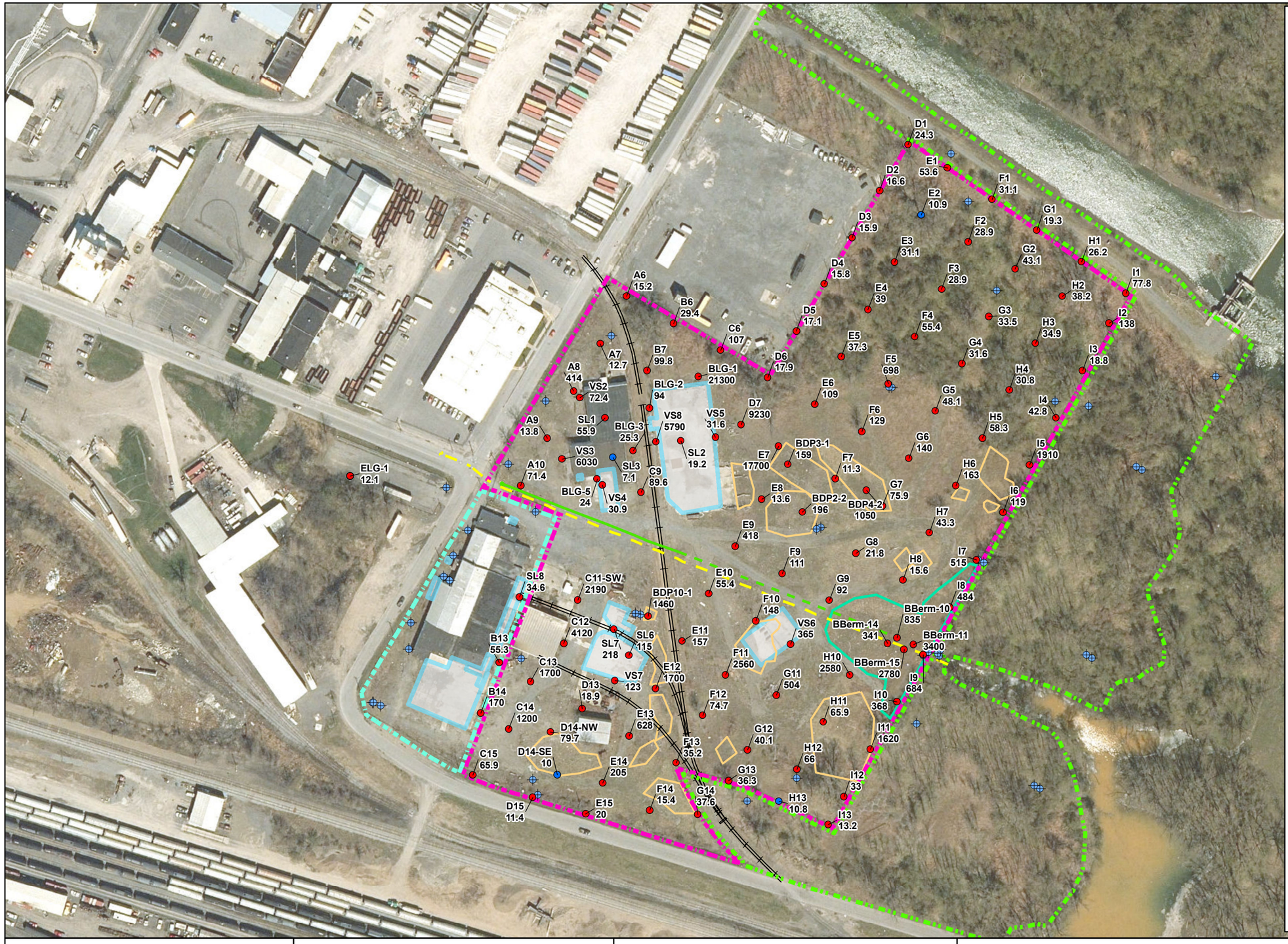
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Feet

Figure O-149
Chromium in Surface Soil
(0 to 2")

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

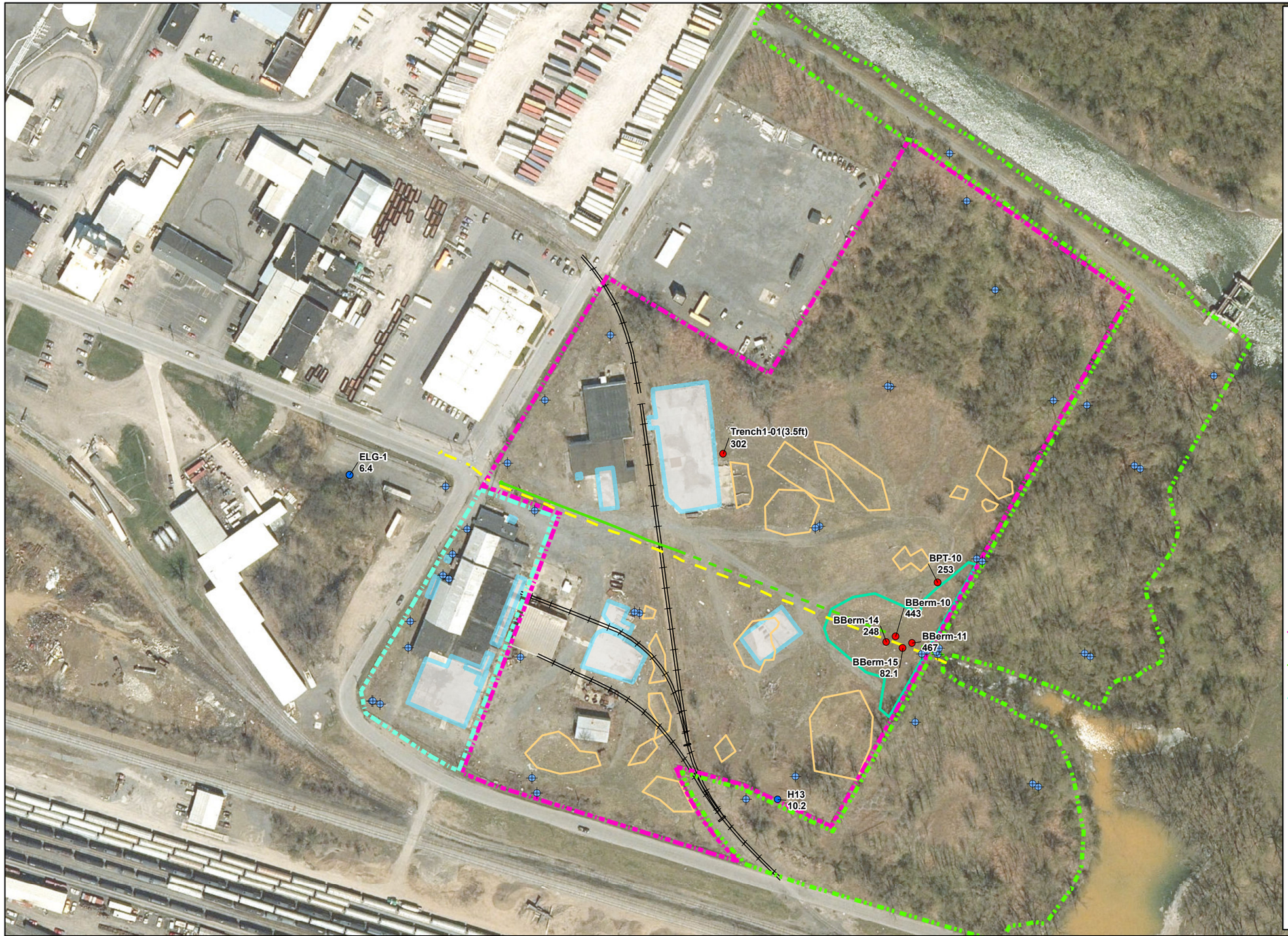
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Feet

Figure O-150
Chromium in Subsurface Soil
(2" to 2')

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

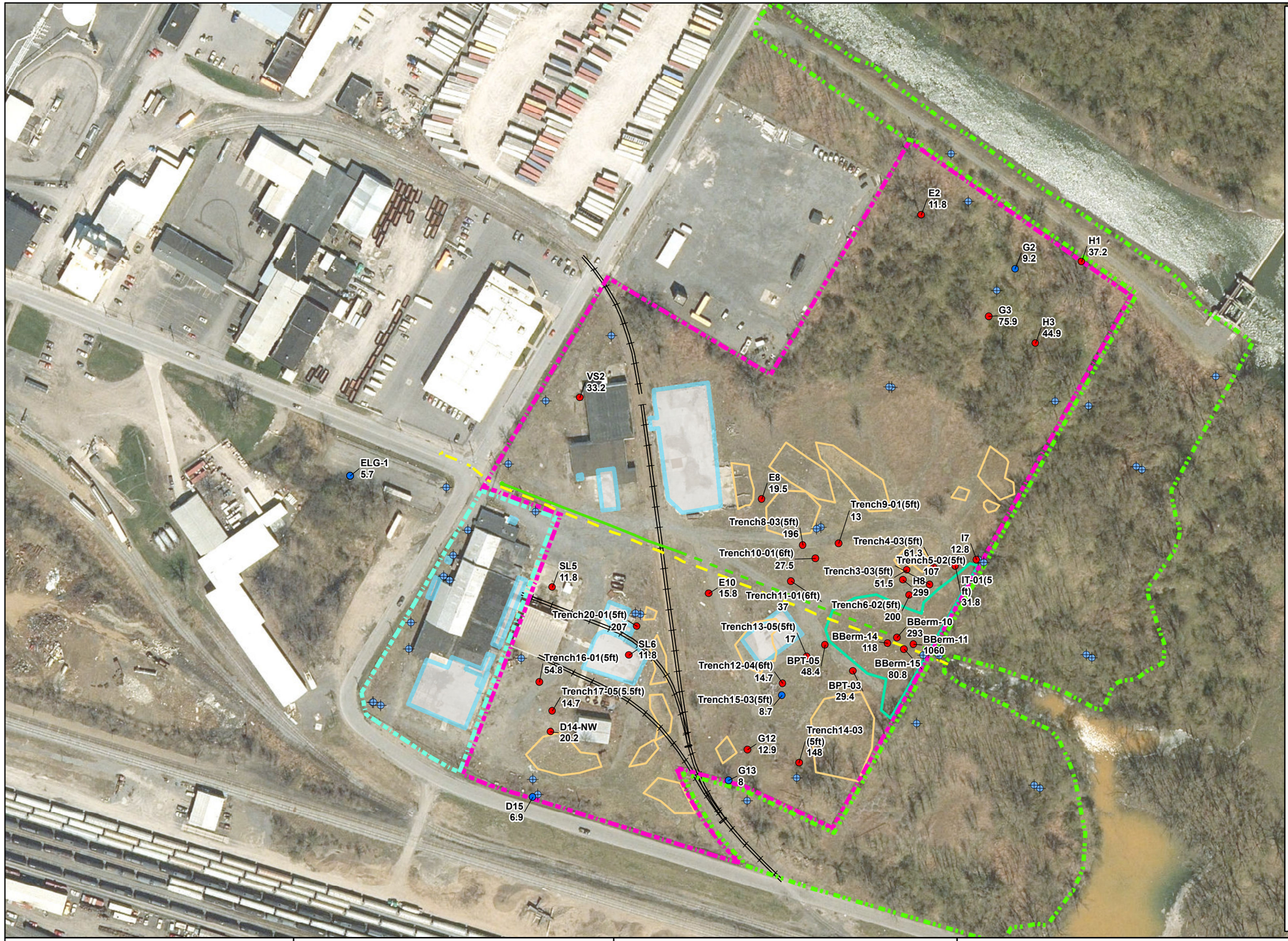
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Feet

Figure O-151
Chromium in Subsurface Soil
(2' to 4')

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

UNIVERSAL WASTE
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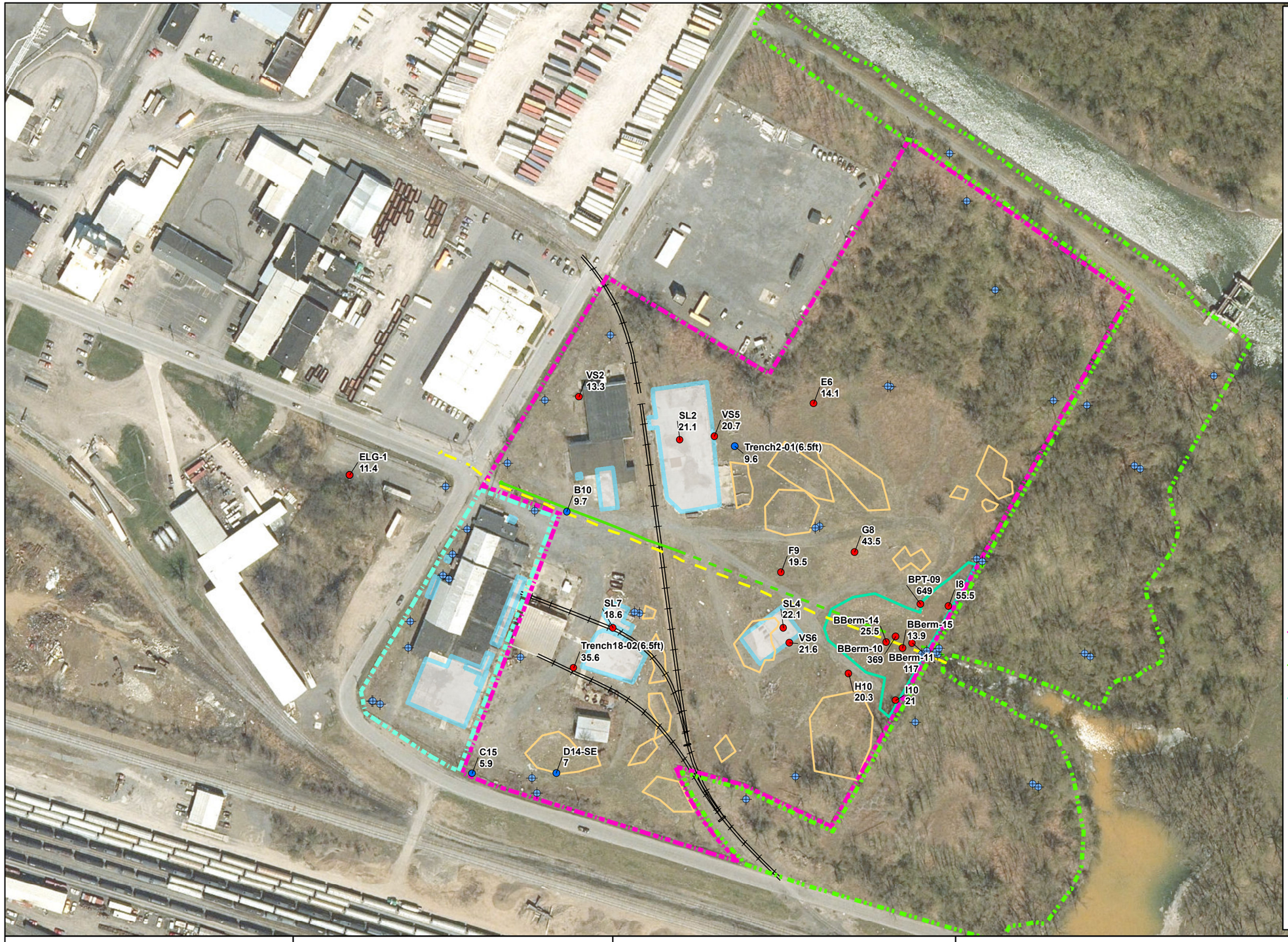
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0 110 220 330 440
Feet

Figure O-152
Chromium in Subsurface Soil
(4' to 6')

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

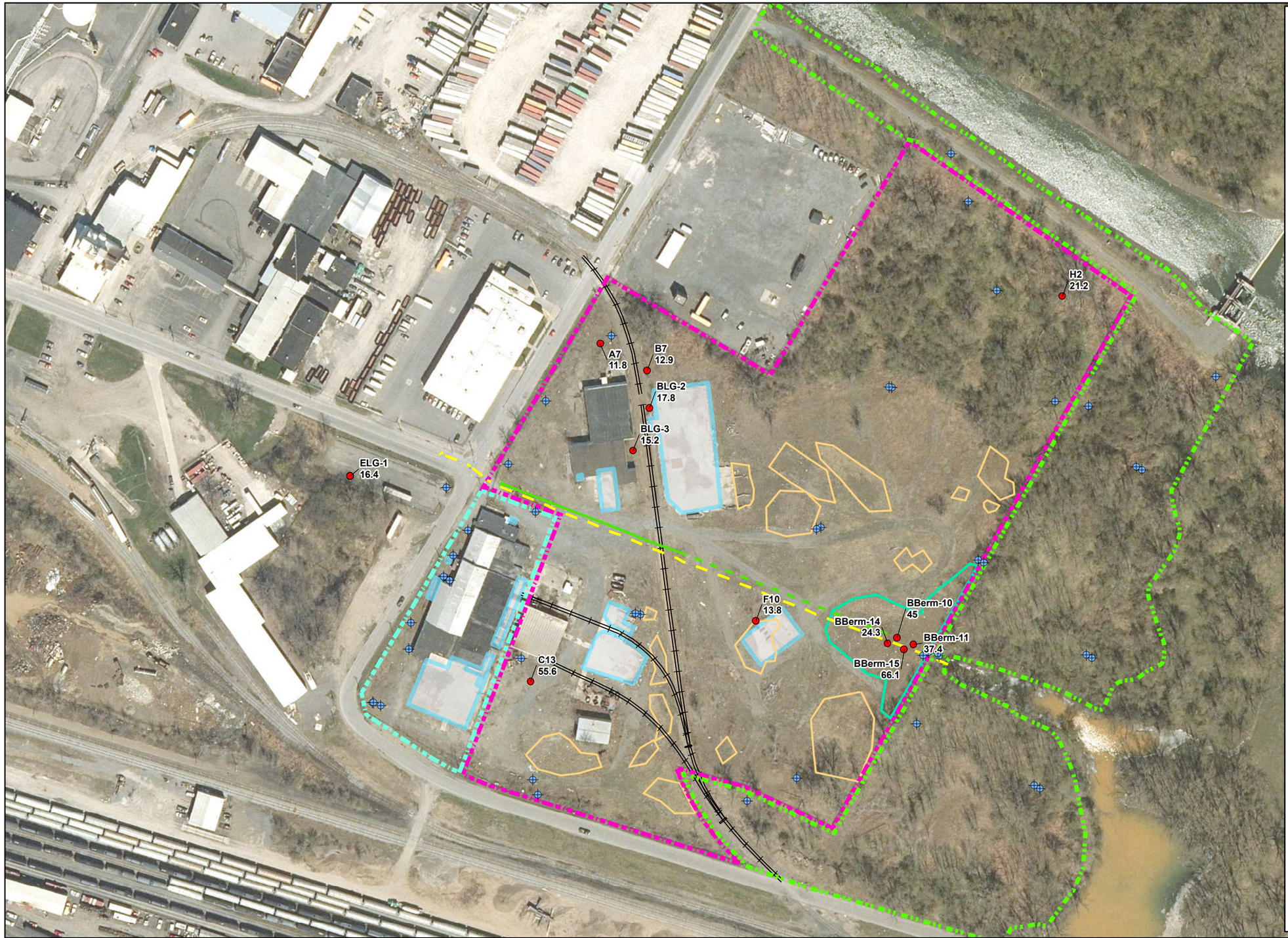
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0 110 220 330 440
Feet

Figure O-153
Chromium in Subsurface Soil
(6' to 8')

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure O-154
Chromium in Subsurface Soil
(8' to 10')

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

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N

0 110 220 330 440
Feet

Figure O-155
Chromium in Subsurface Soil
(10' to 12')

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

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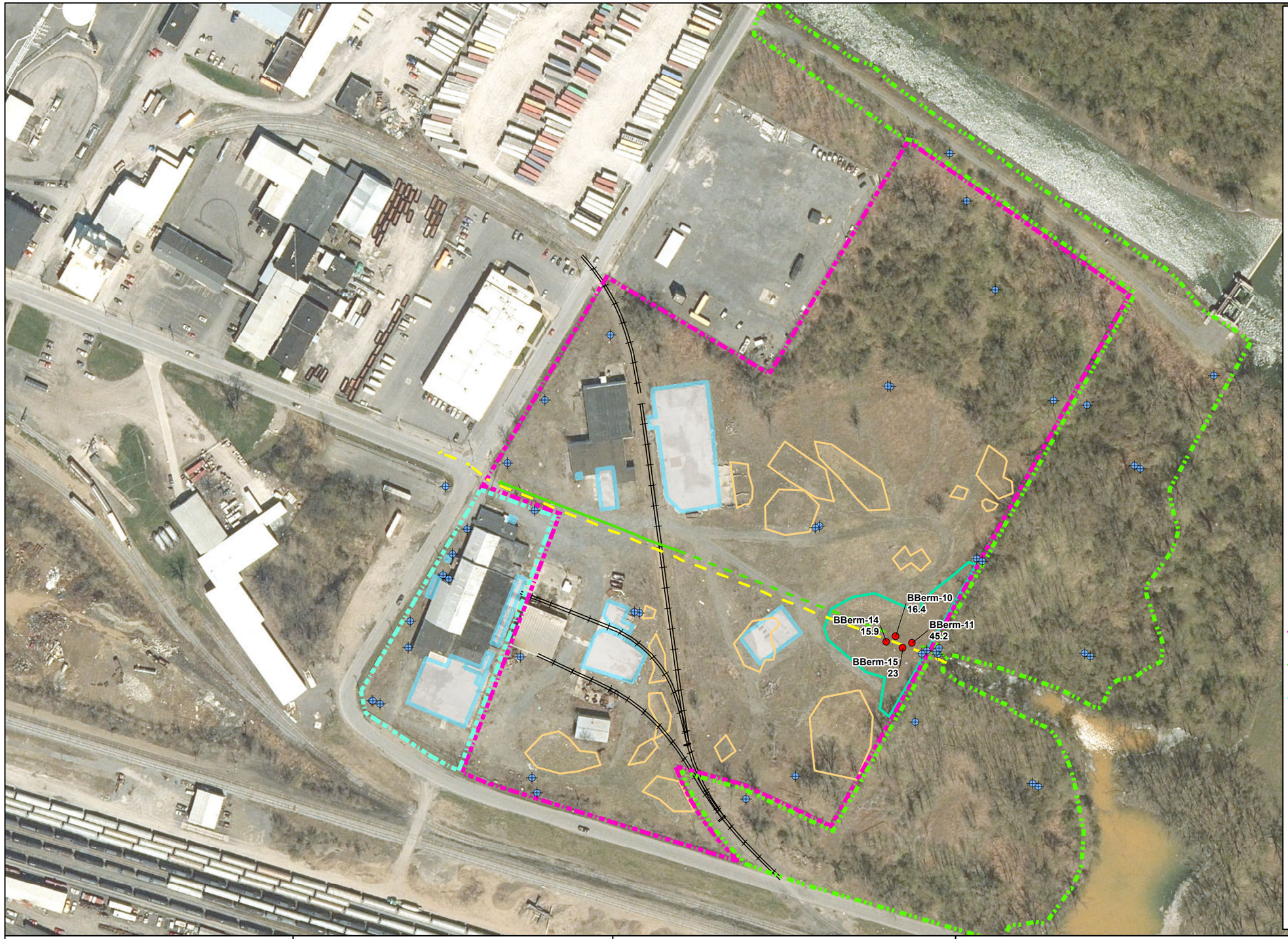
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0 110 220 330 440
Feet

Figure O-156
Chromium in Subsurface Soil
(12' to 14')

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

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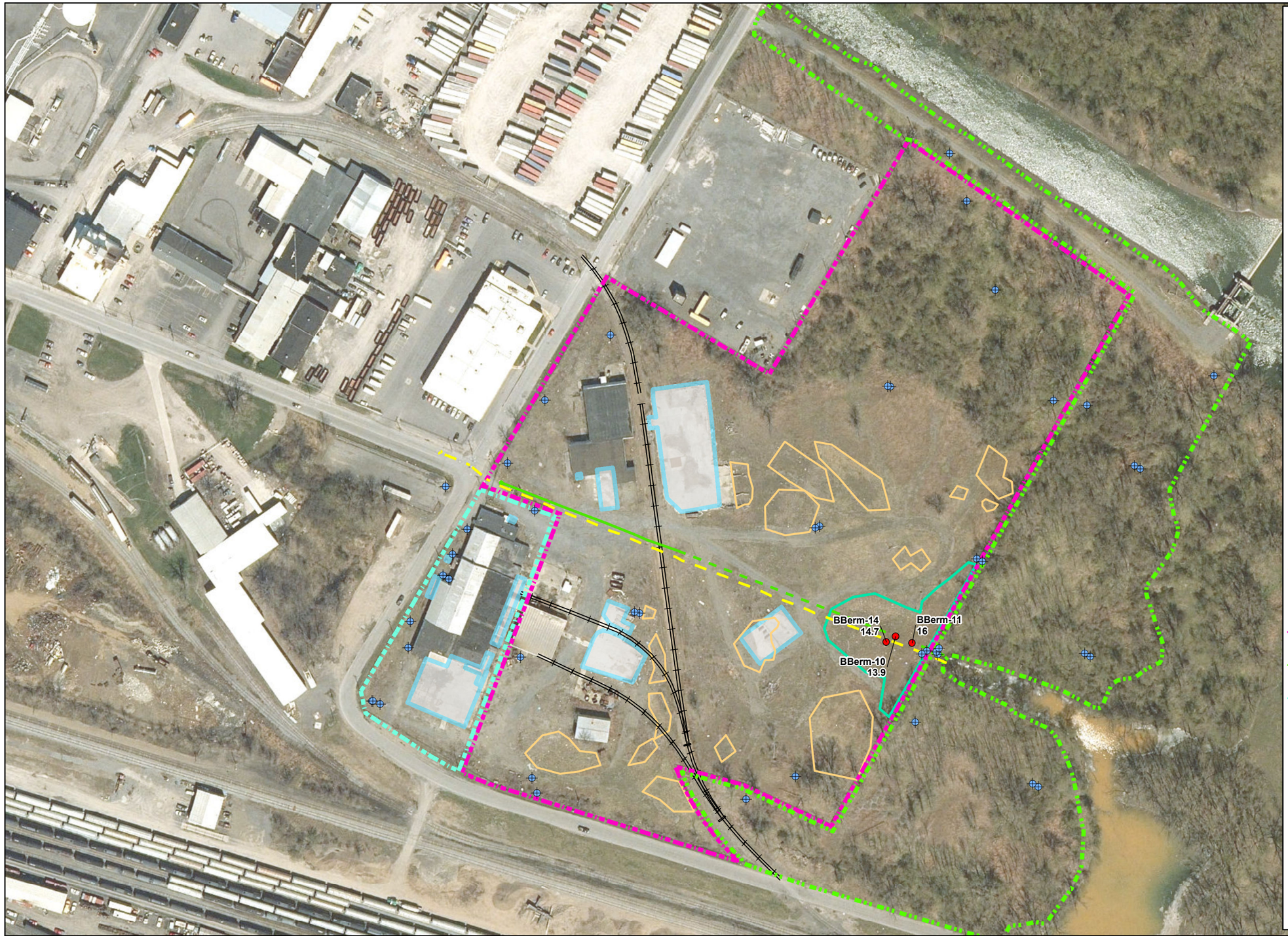
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0 110 220 330 440
Feet

Figure O-157
Chromium in Subsurface Soil
(14' to 16')

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LEGEND

Chromium Exceedances:

- Below the Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375) for all the constituents that were analyzed for at this location or below the laboratory reporting limit
- Exceeds the Unrestricted Use Soil Cleanup Objective but below the Restricted Commercial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Commercial Soil Cleanup Objective but below the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Exceeds the Restricted Industrial Soil Cleanup Objective (6 NYCRR Part 375) for any constituent that was analyzed for at this location
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Unrestricted - 1 mg/kg

Protection of Public Health - Commercial - 11 mg/kg

Protection of Public Health - Industrial - 11 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

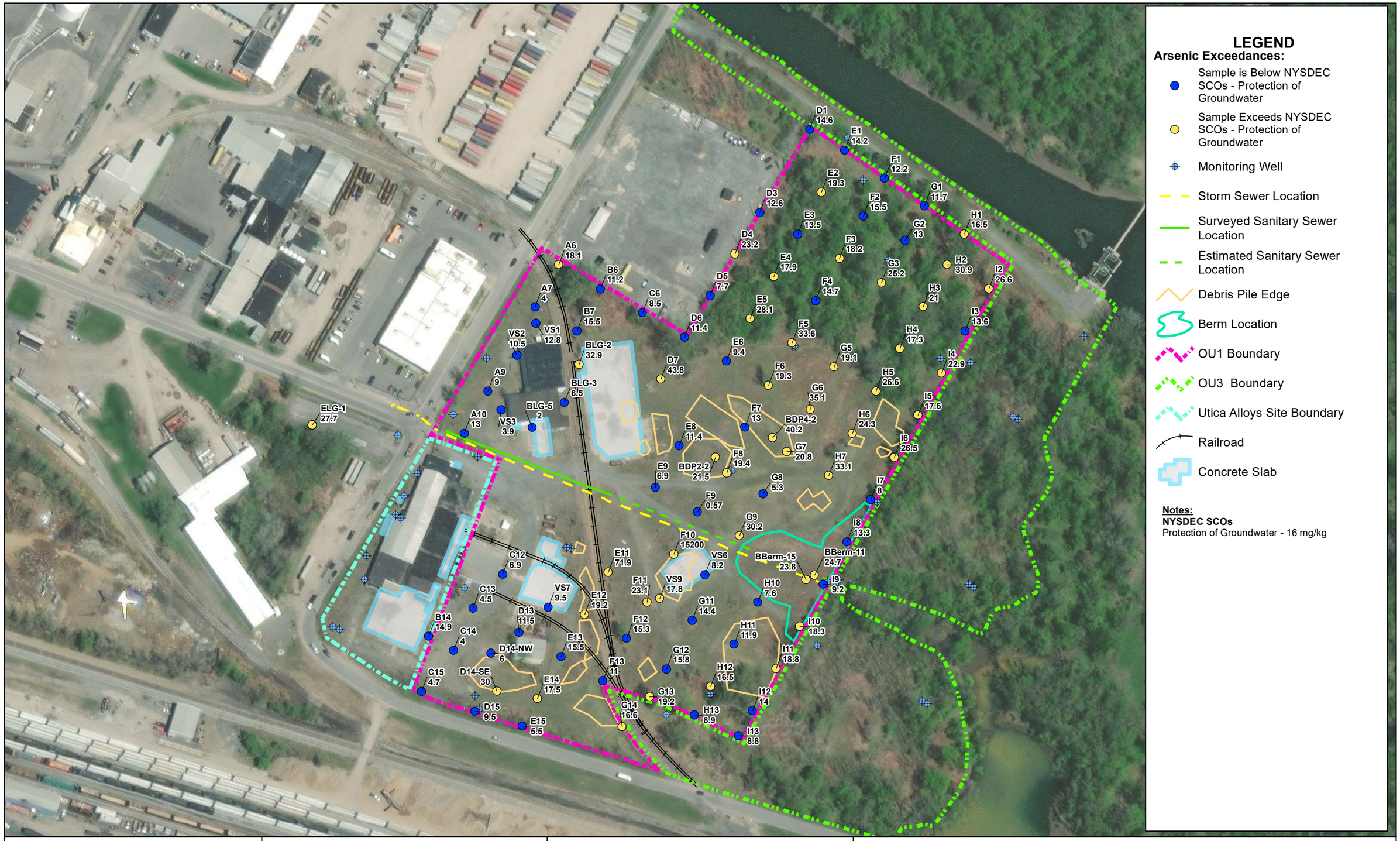
Figure O-158
Chromium in Subsurface Soil
(18' to 20')

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Appendix B COCs in Soil Exceeding Protection of Groundwater SCOs and ESCOs

COCs in Soil Exceeding Protection of Groundwater SCOs



LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support

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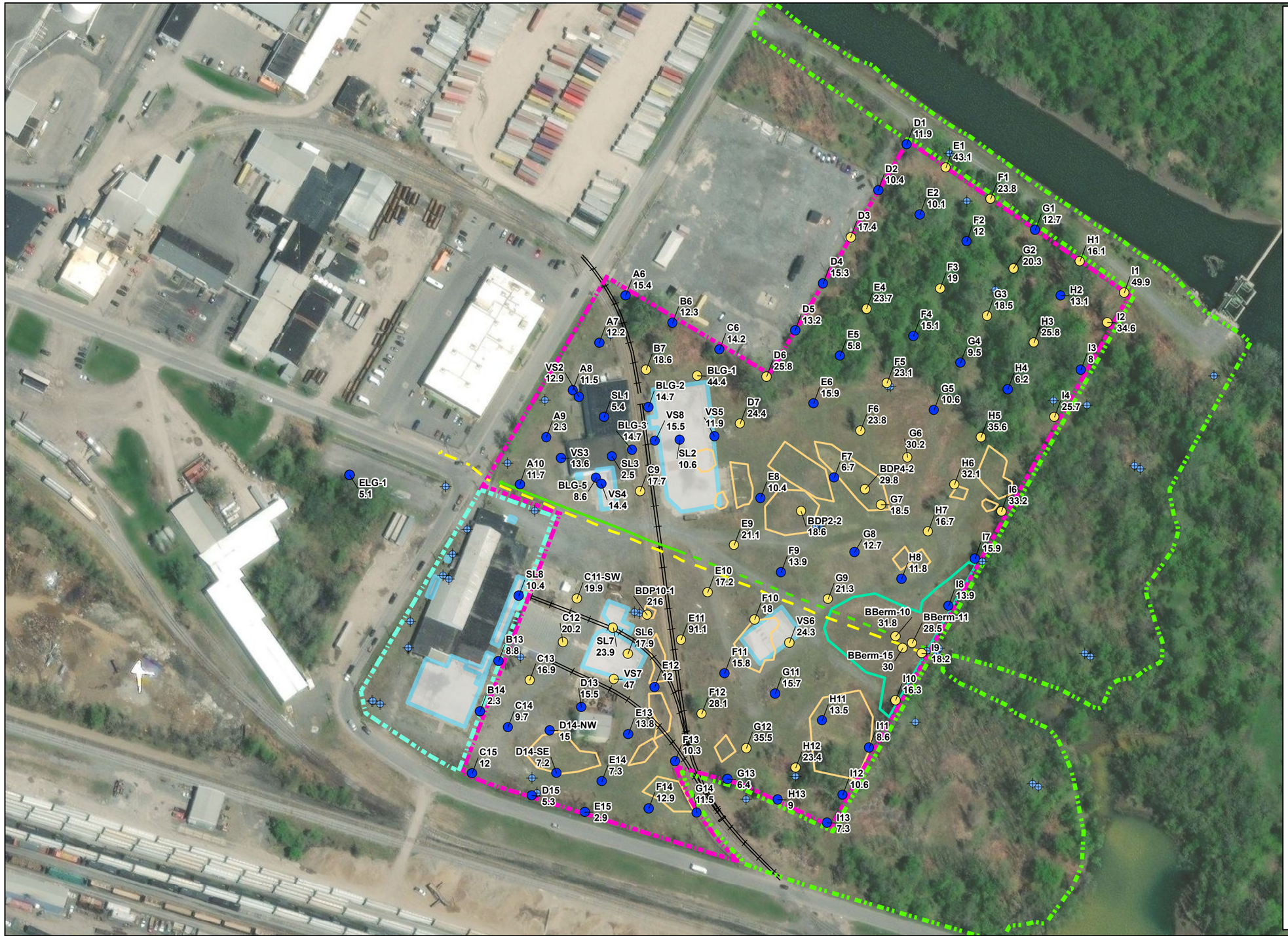
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Feet

Arsenic in Surface Soil
(0 to 2")

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LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support

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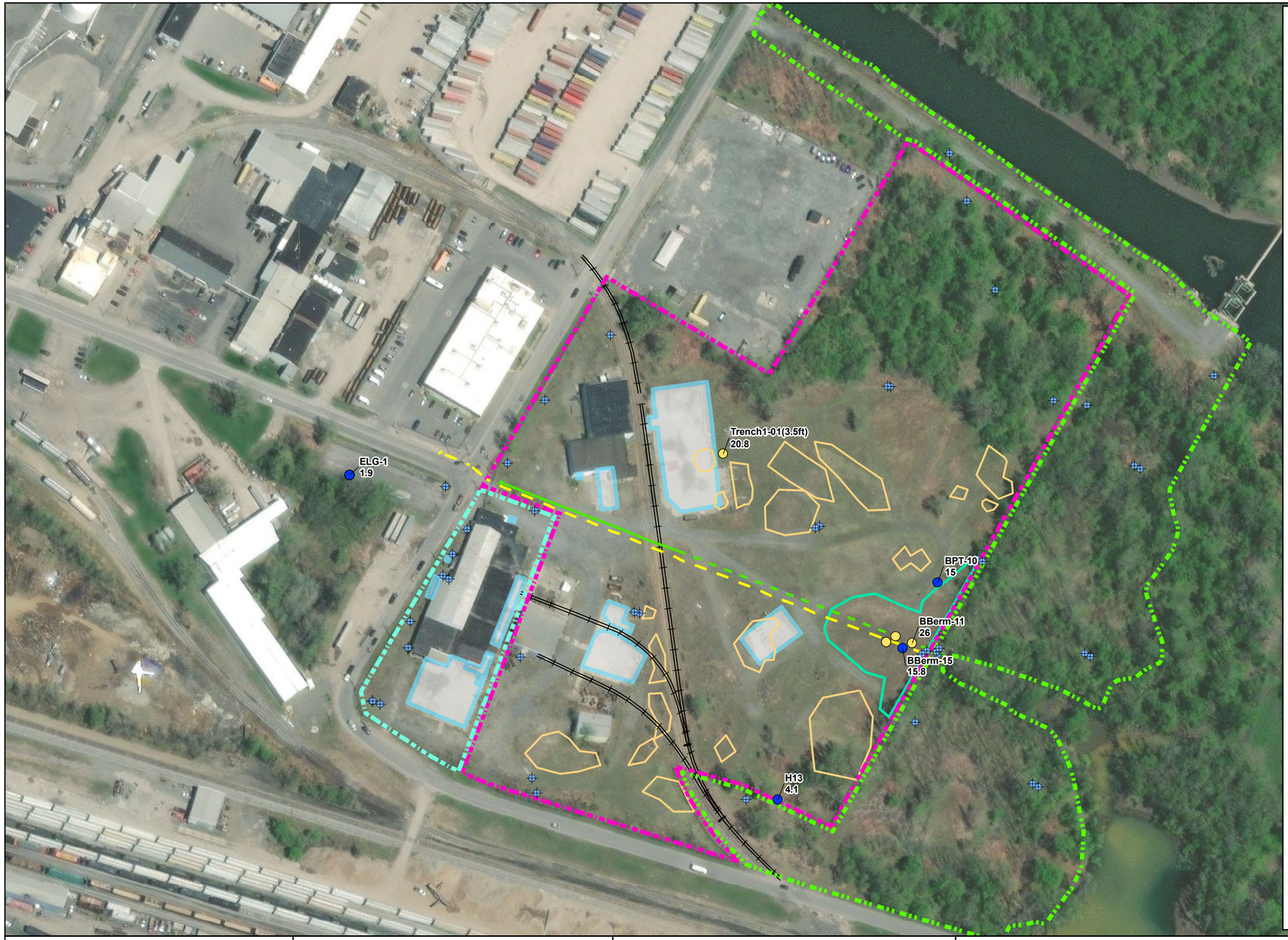
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Feet

Arsenic in Subsurface Soil
(2" to 2')

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LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support℠

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UTICA, NEW YORK

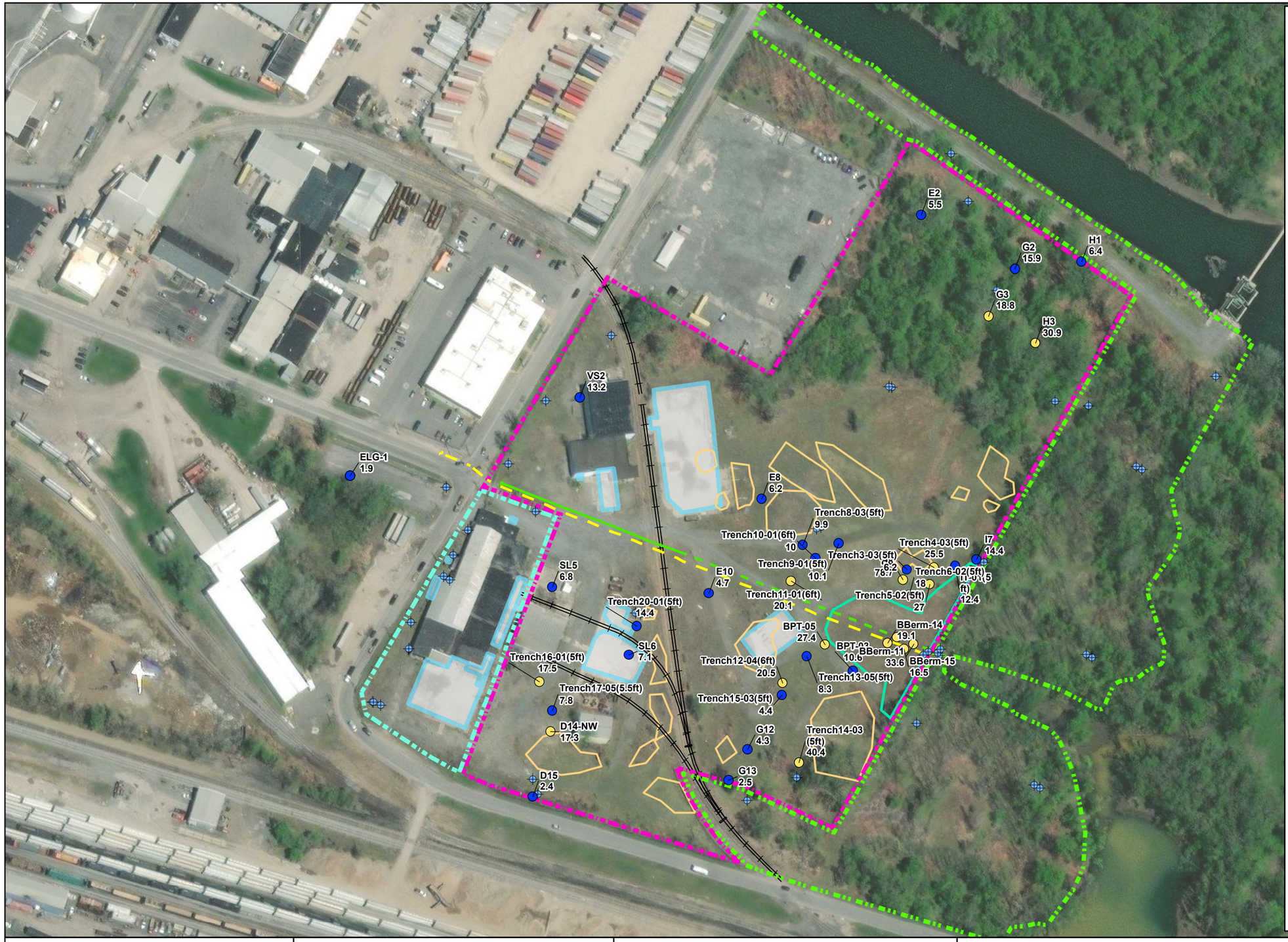
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Feet

Arsenic in Subsurface Soil
(2' to 4')

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LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support℠

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UTICA, NEW YORK

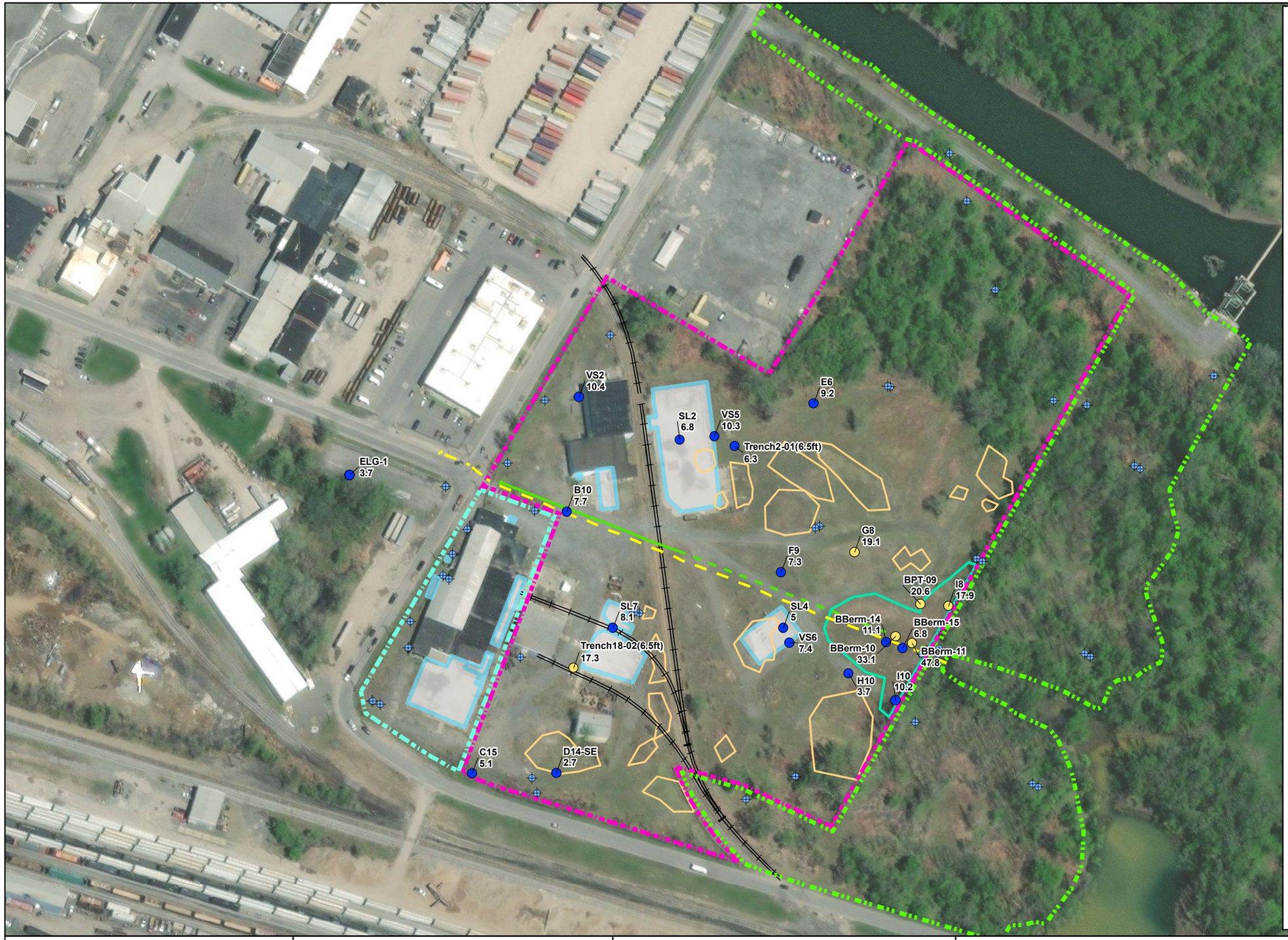
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0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(4' to 6')

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LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

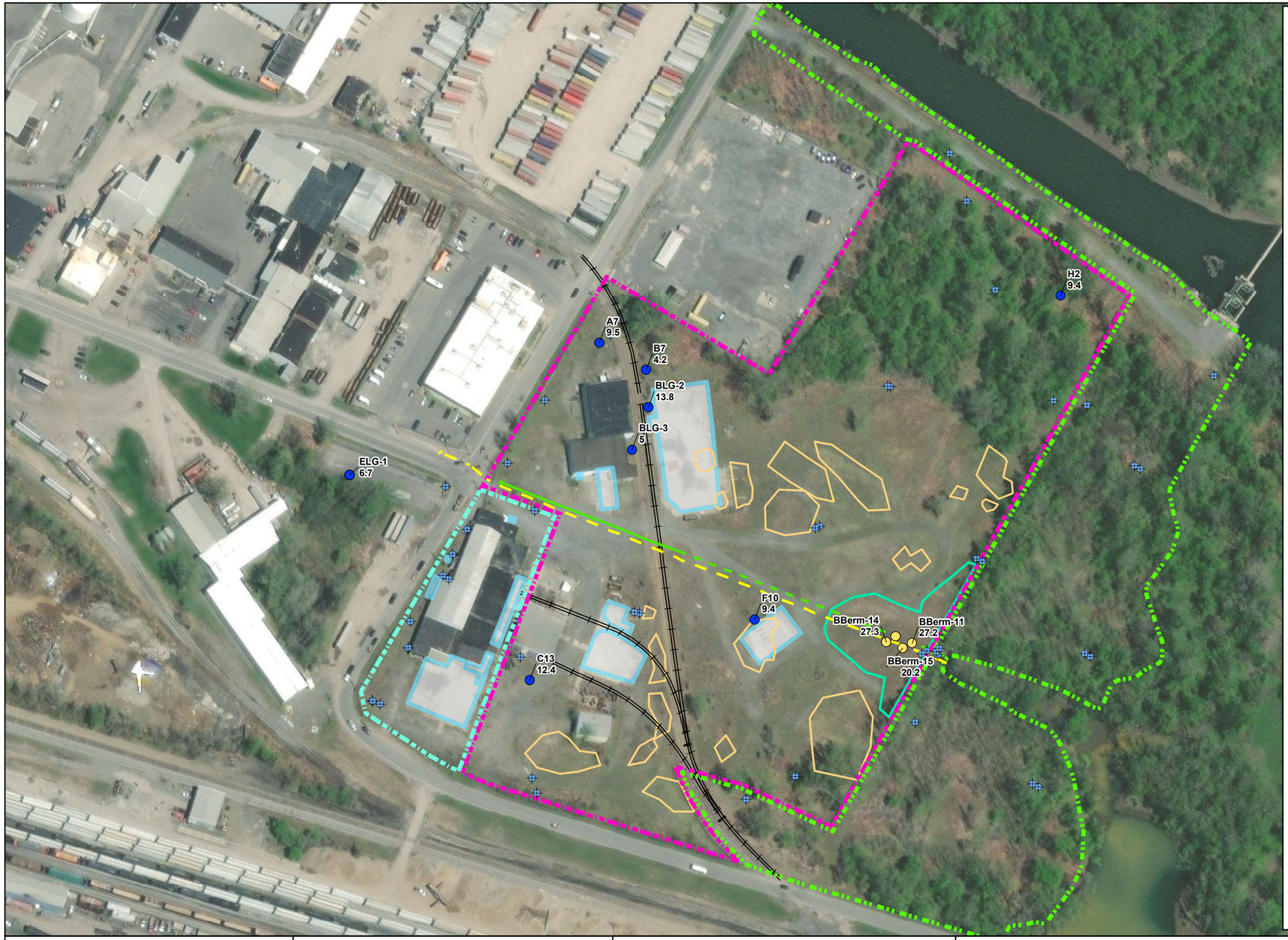
N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(6' to 8')

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LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

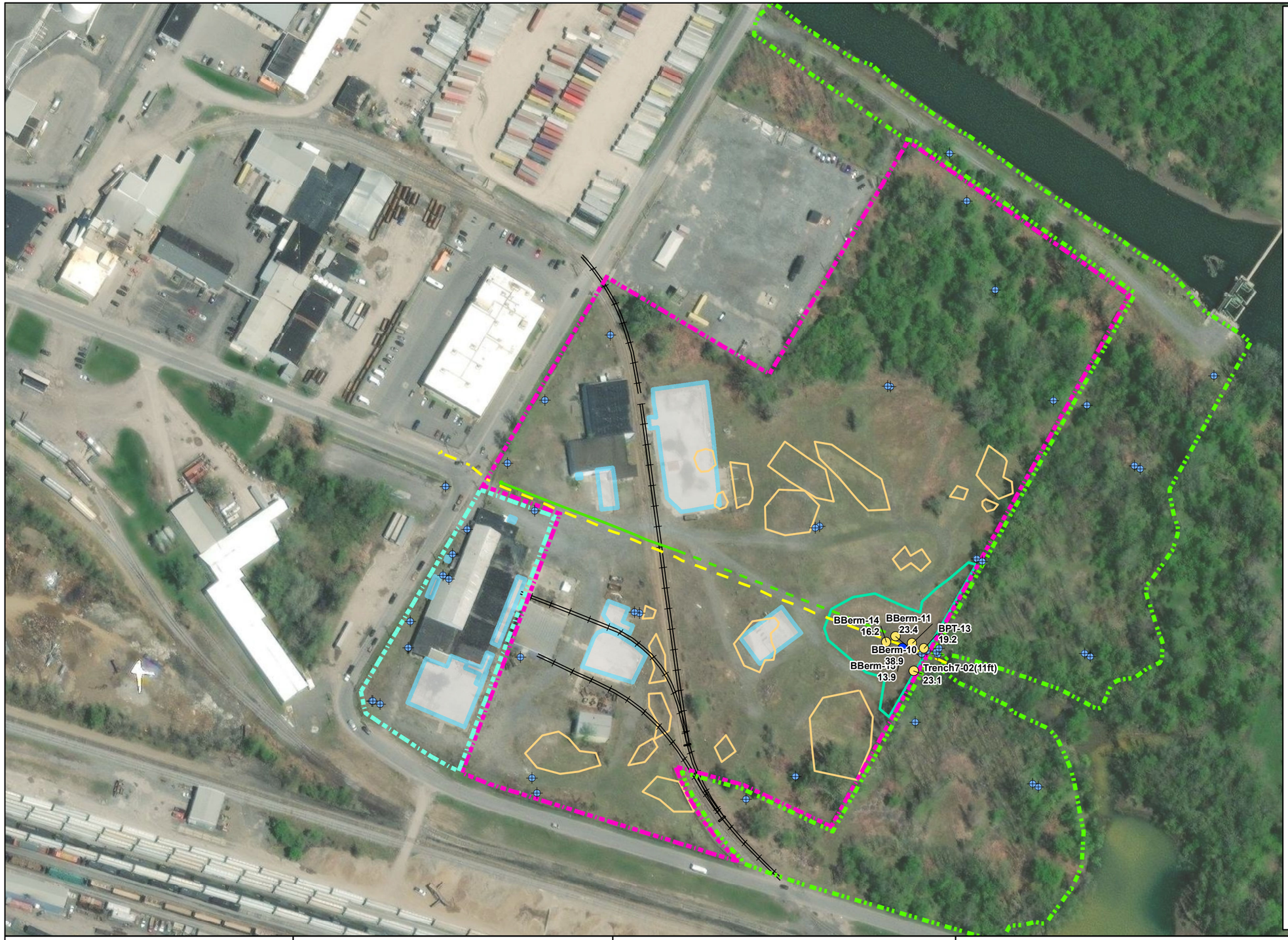
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0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(8' to 10')

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LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

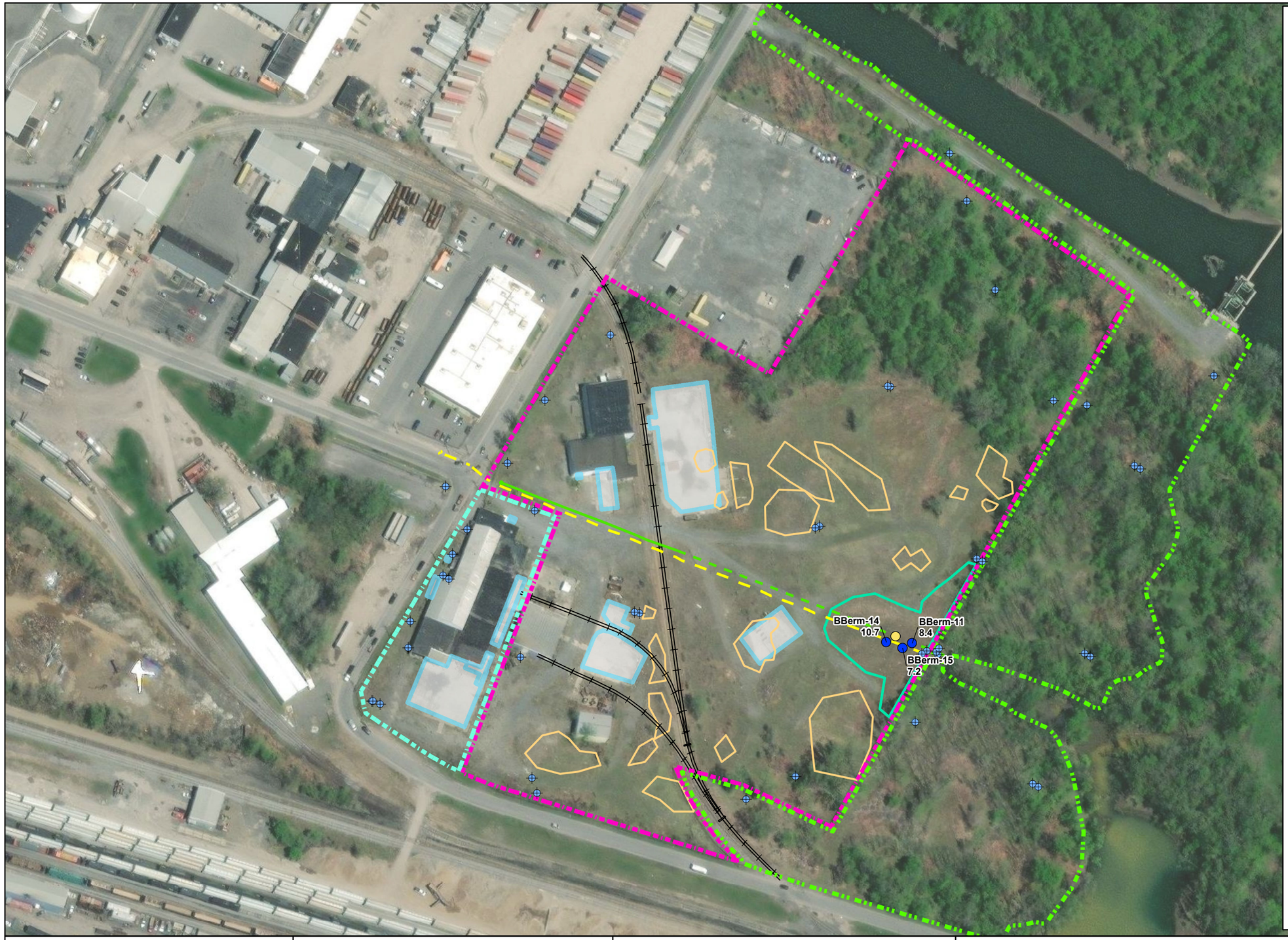
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0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(10' to 12')

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LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(12' to 14')

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LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

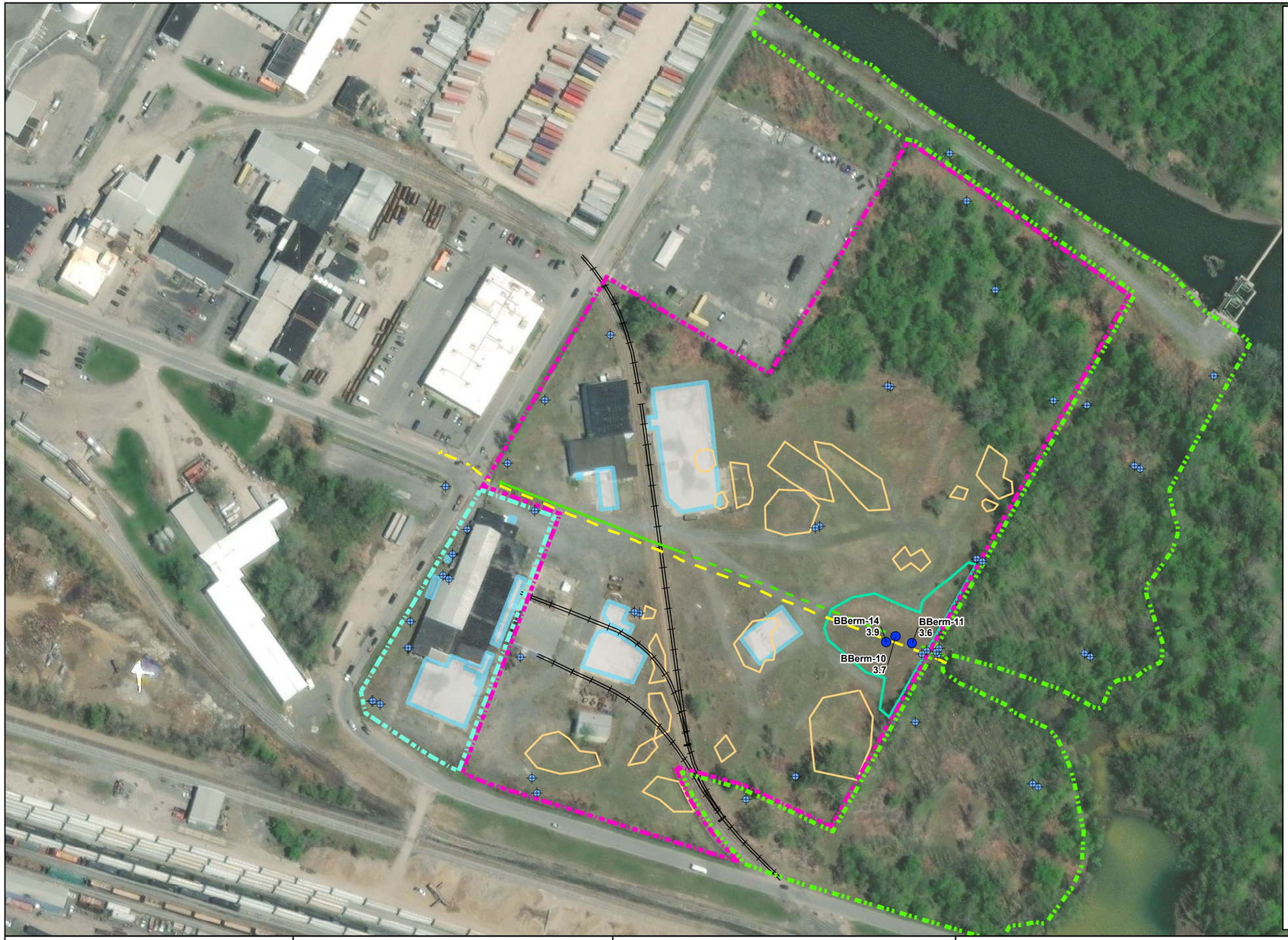
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0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(14' to 16')

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LEGEND

Arsenic Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 16 mg/kg

EHS Support℠

UNIVERSAL WASTE
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N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(18' to 20')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

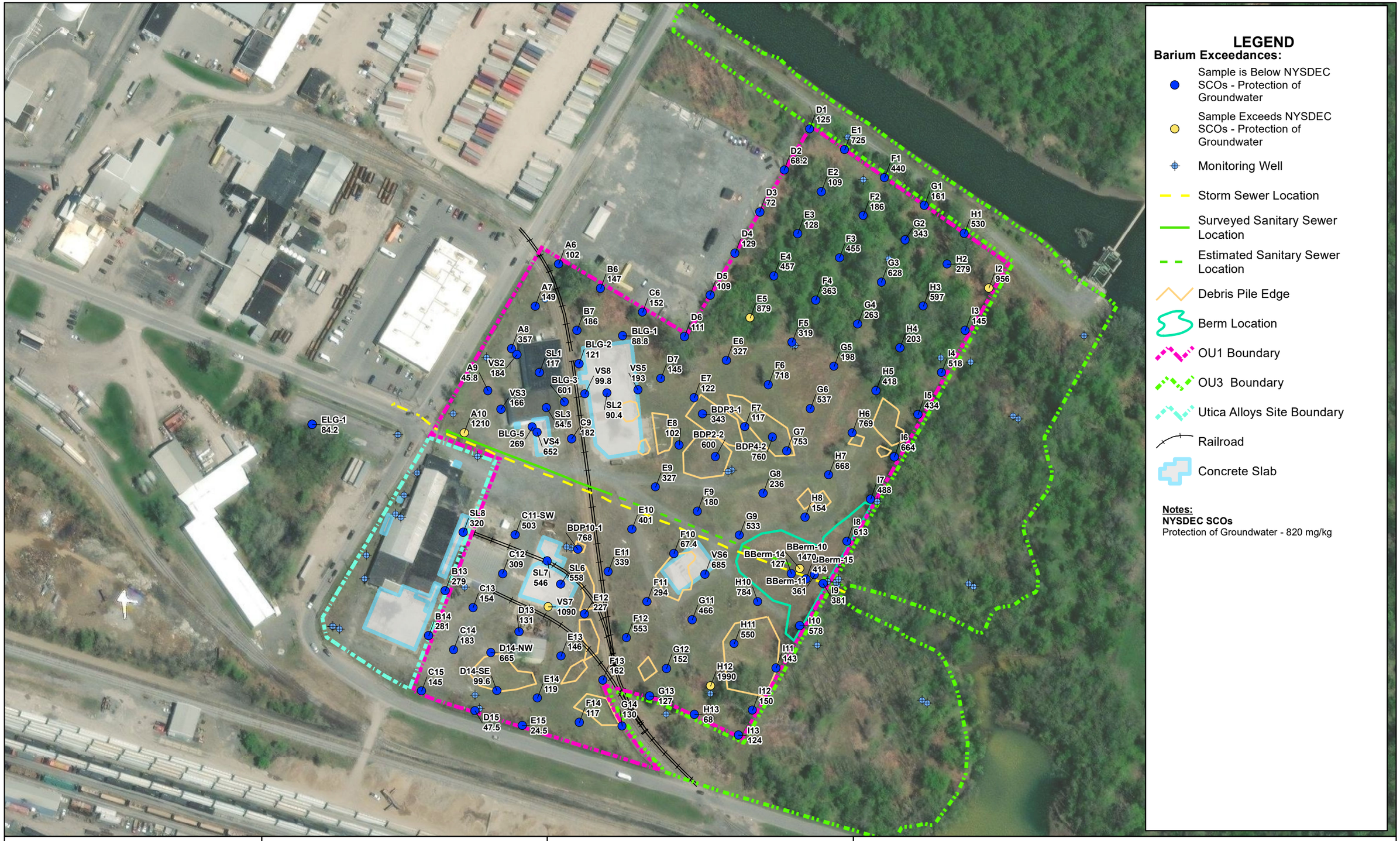
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0 110 220 330 440
Feet

Barium in Surface Soil
(0 to 2")

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support℠

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N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(2" to 2')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil (2' to 4')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

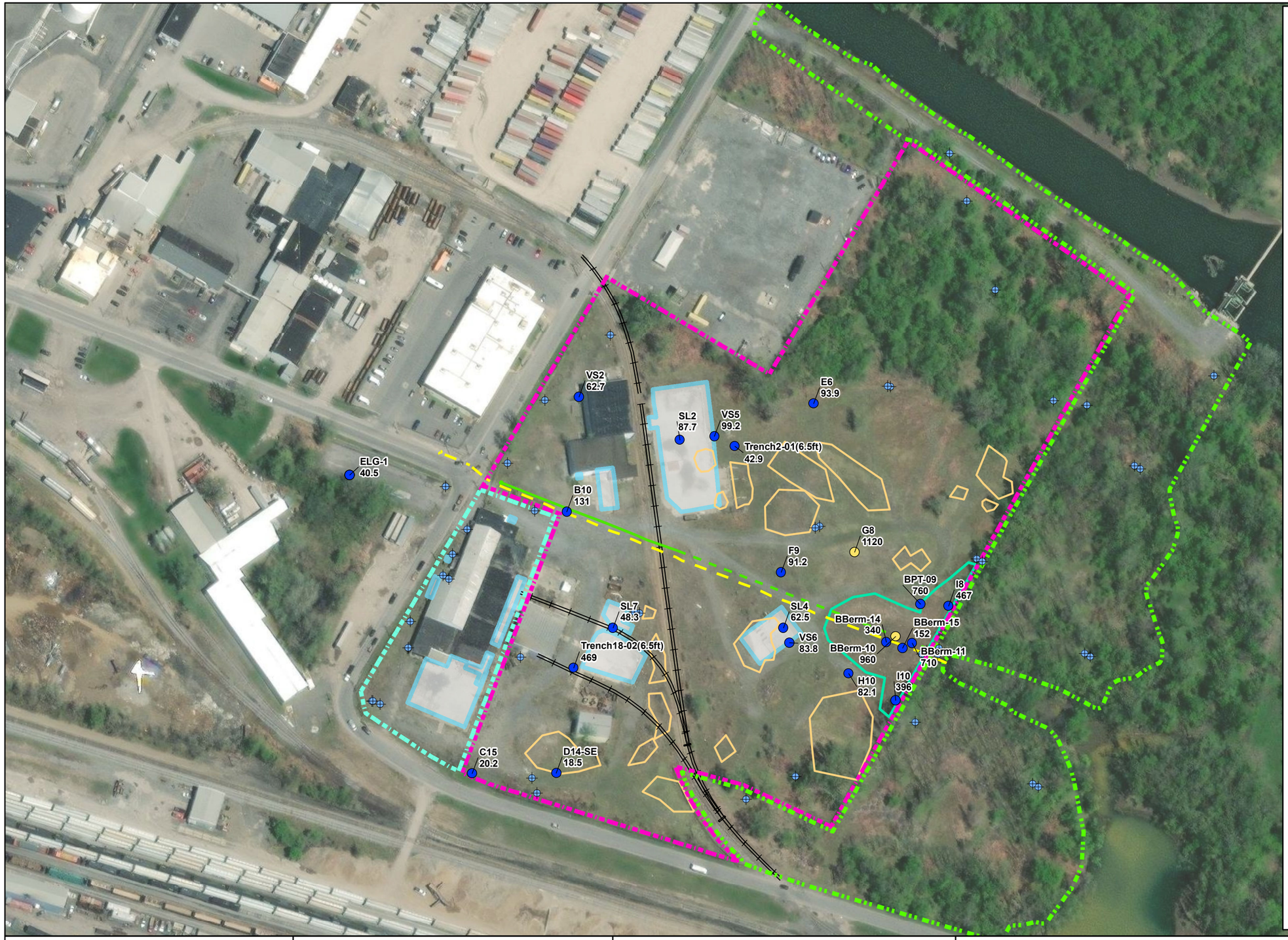
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0 110 220 330 440
Feet

Barium in Subsurface Soil (4' to 6')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

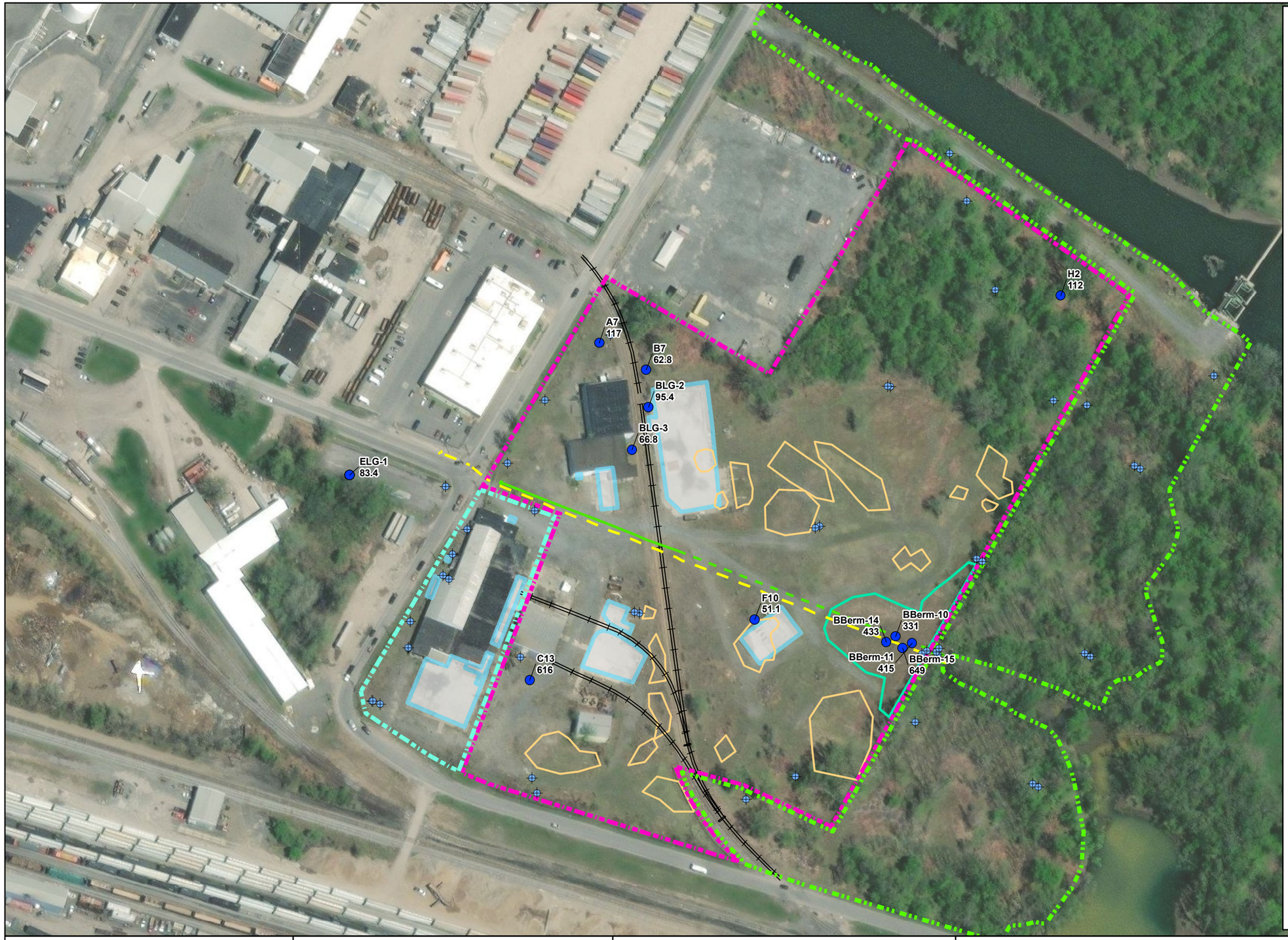
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0 110 220 330 440
Feet

Barium in Subsurface Soil
(6' to 8')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support℠

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(8' to 10')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support℠

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(10' to 12')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(12' to 14')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

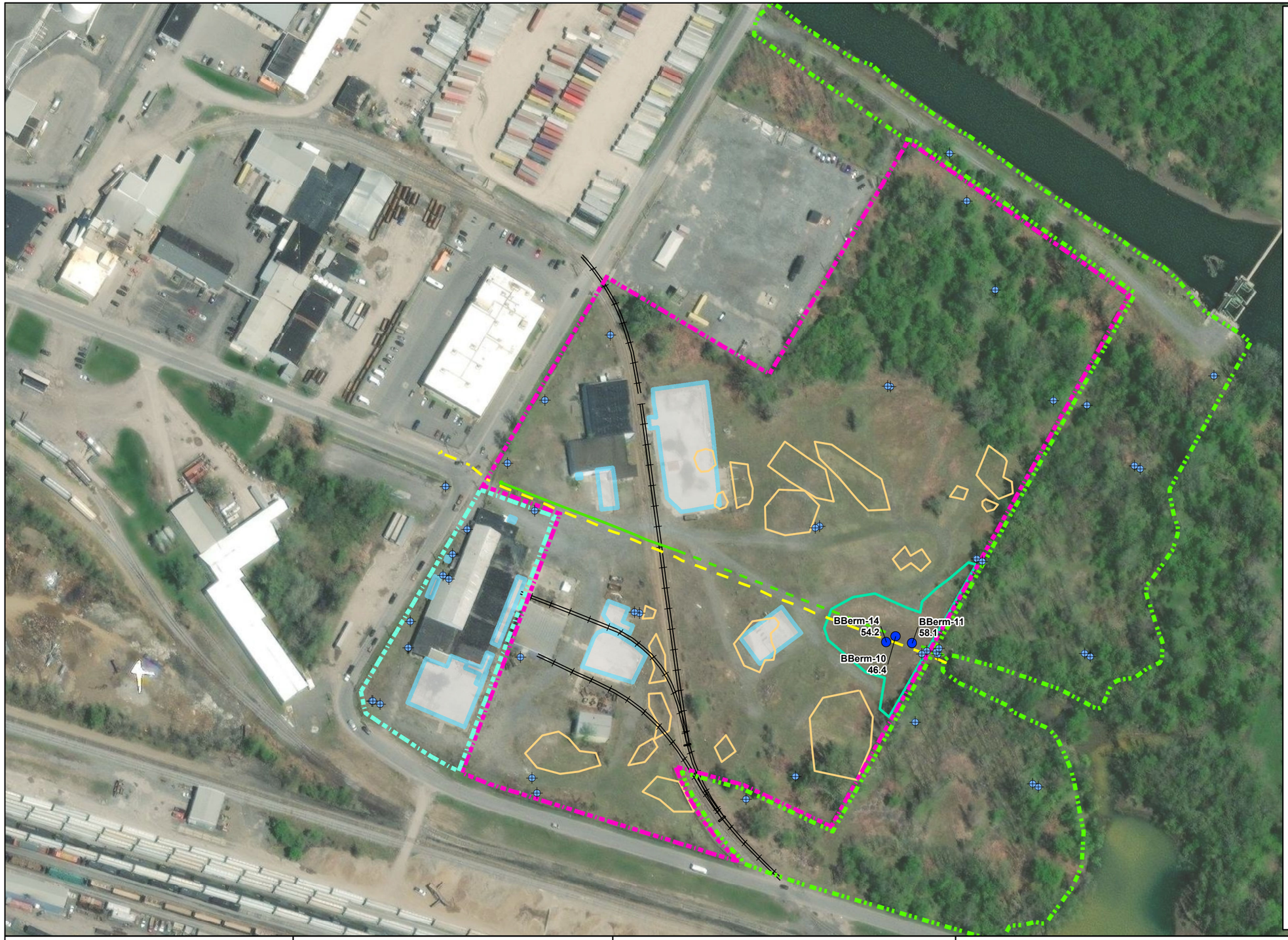
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0 110 220 330 440
Feet

Barium in Subsurface Soil (14' to 16')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support℠

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(18' to 20')

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LEGEND

Barium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 820 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

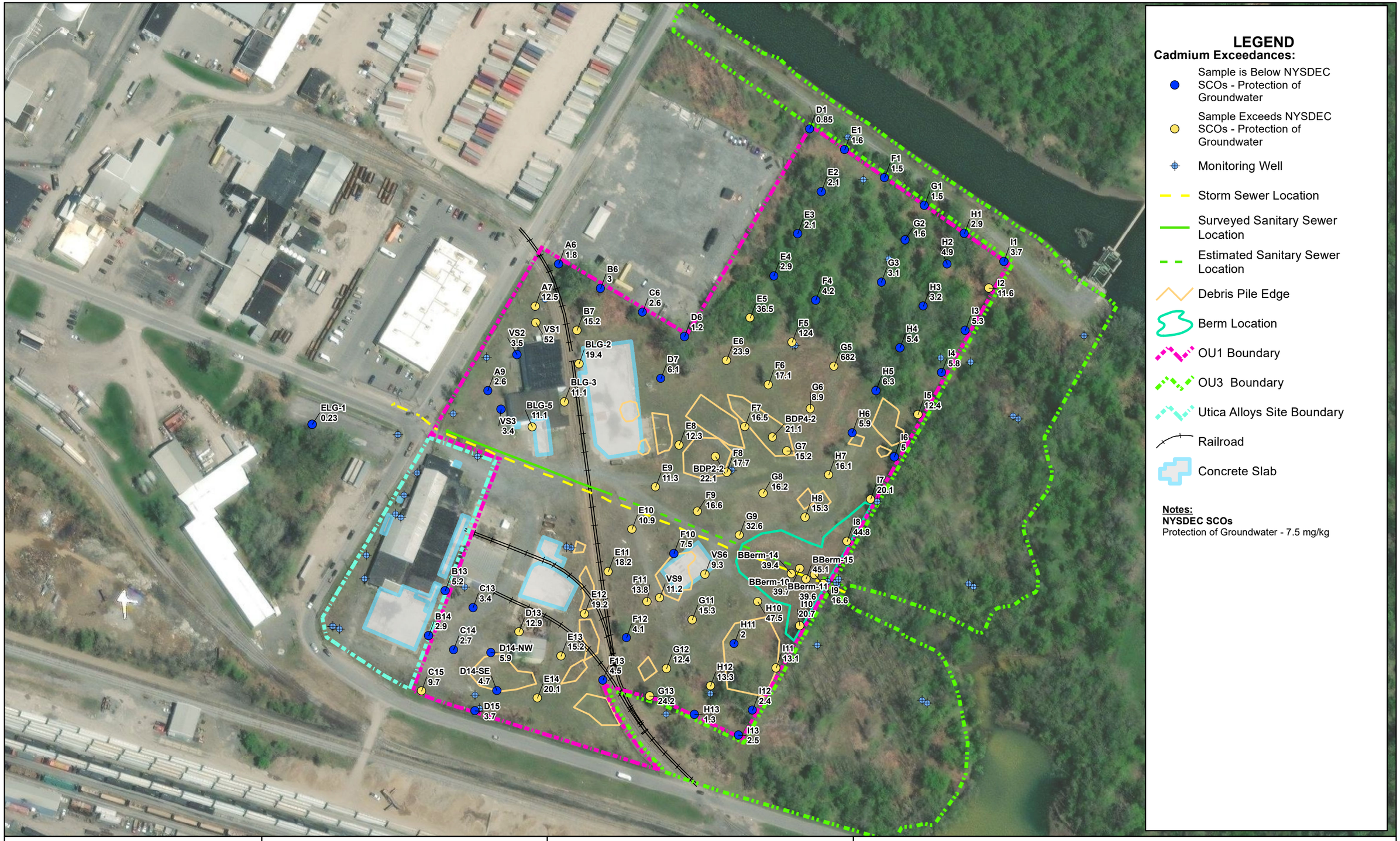
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0 110 220 330 440
Feet

Barium in Subsurface Soil
(20' to 22')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

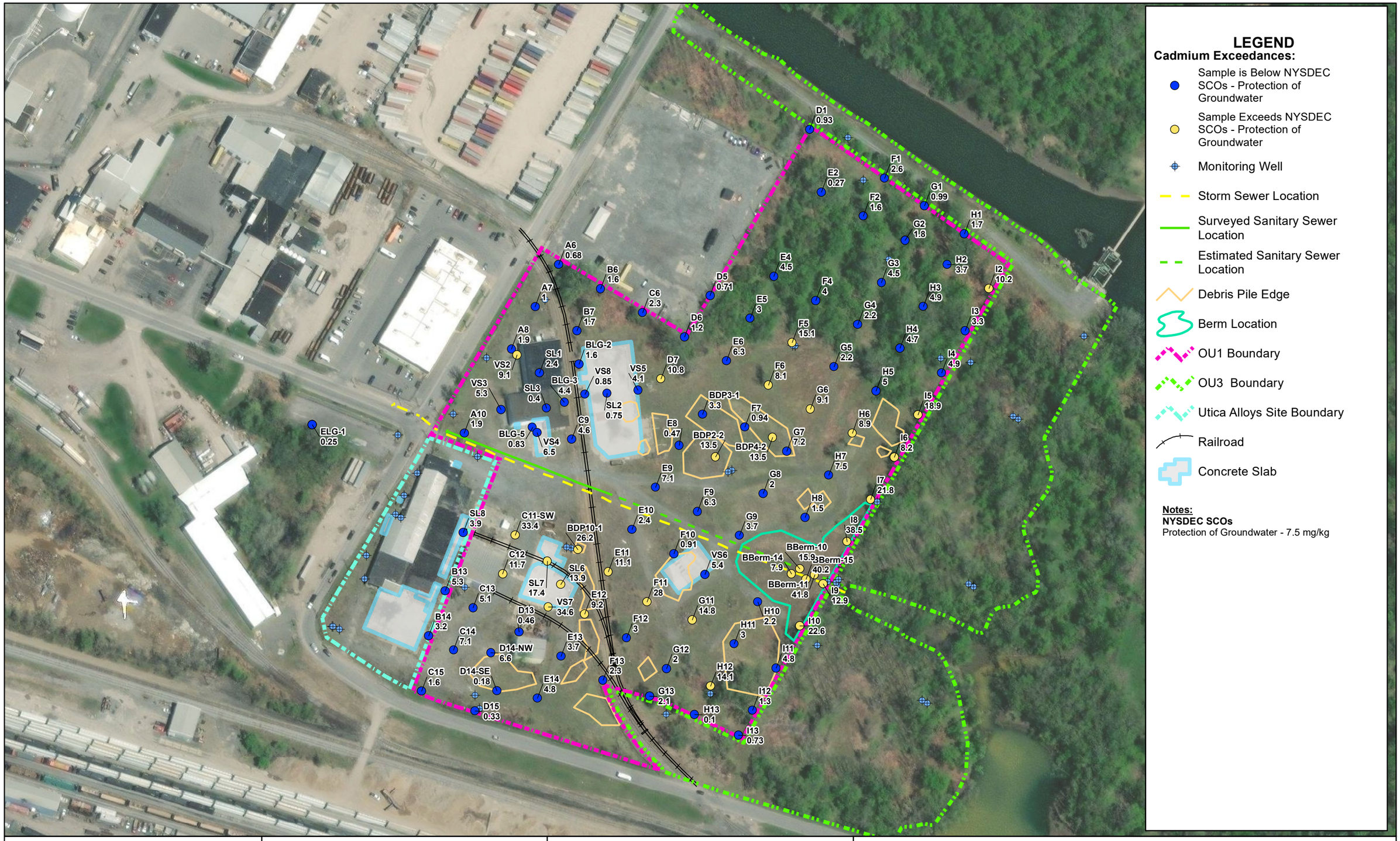
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0 110 220 330 440
Feet

Cadmium in Surface Soil
(0 to 2")

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

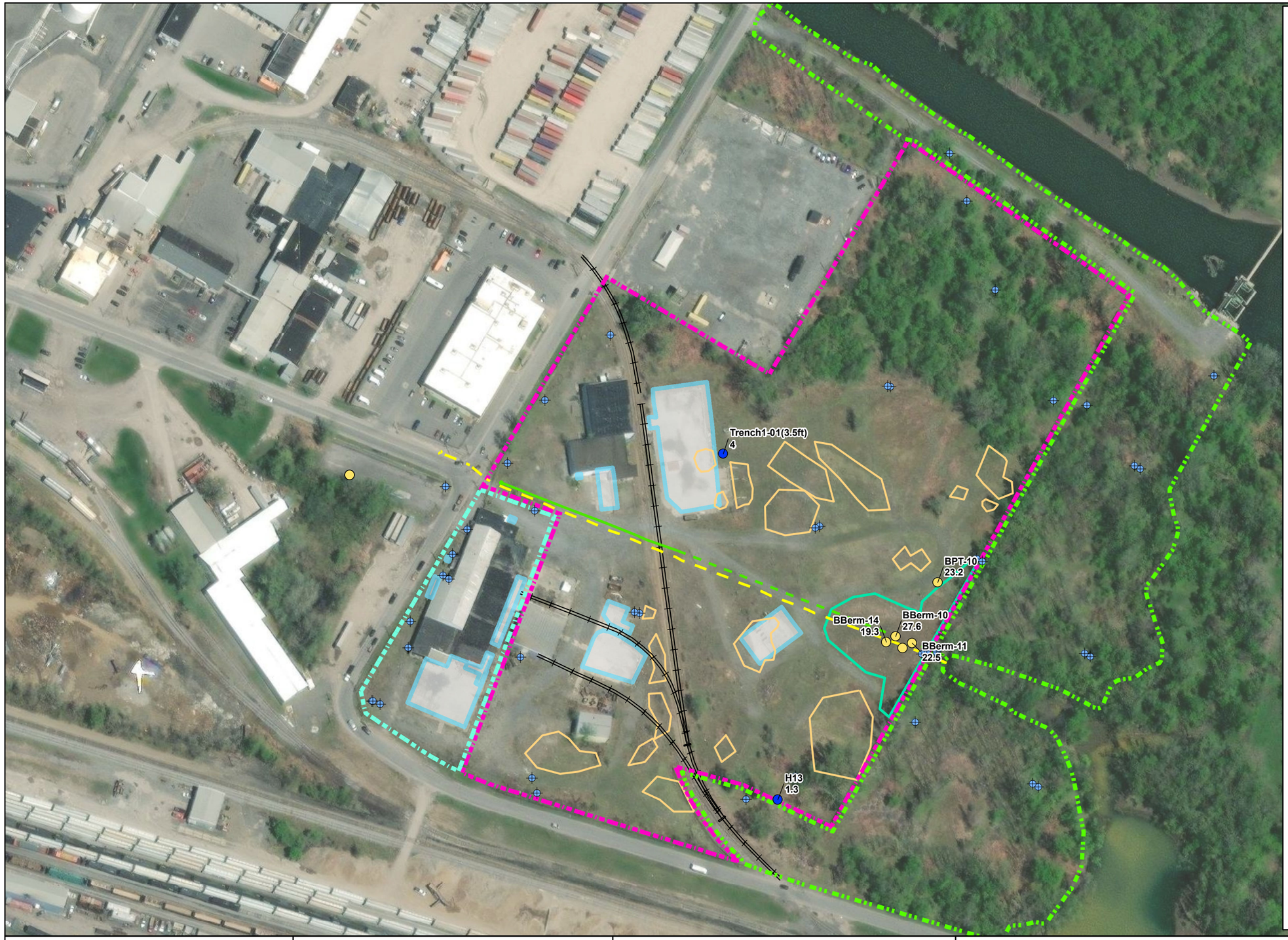
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(2" to 2')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

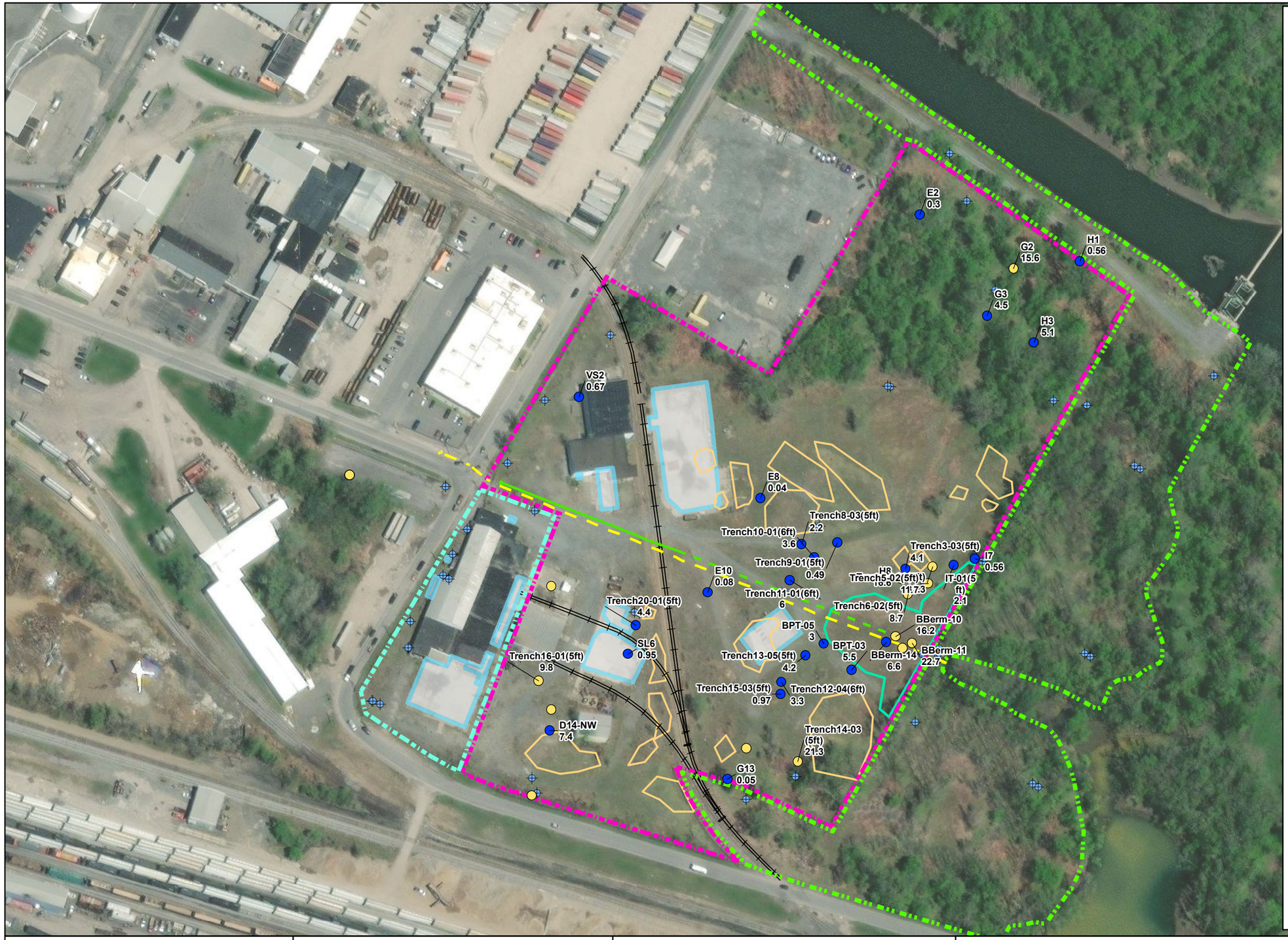
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(2' to 4')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

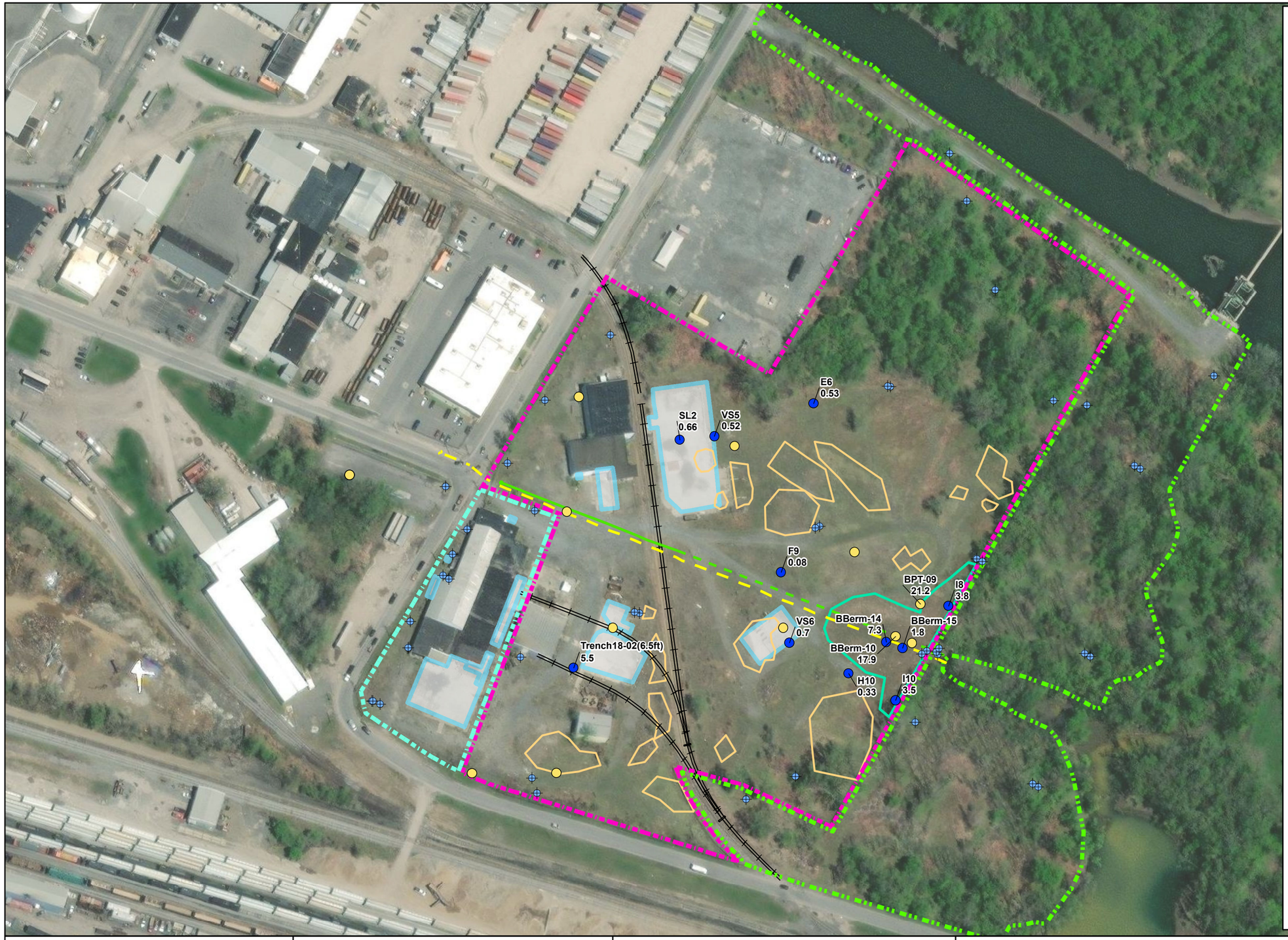
N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil (4' to 6')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

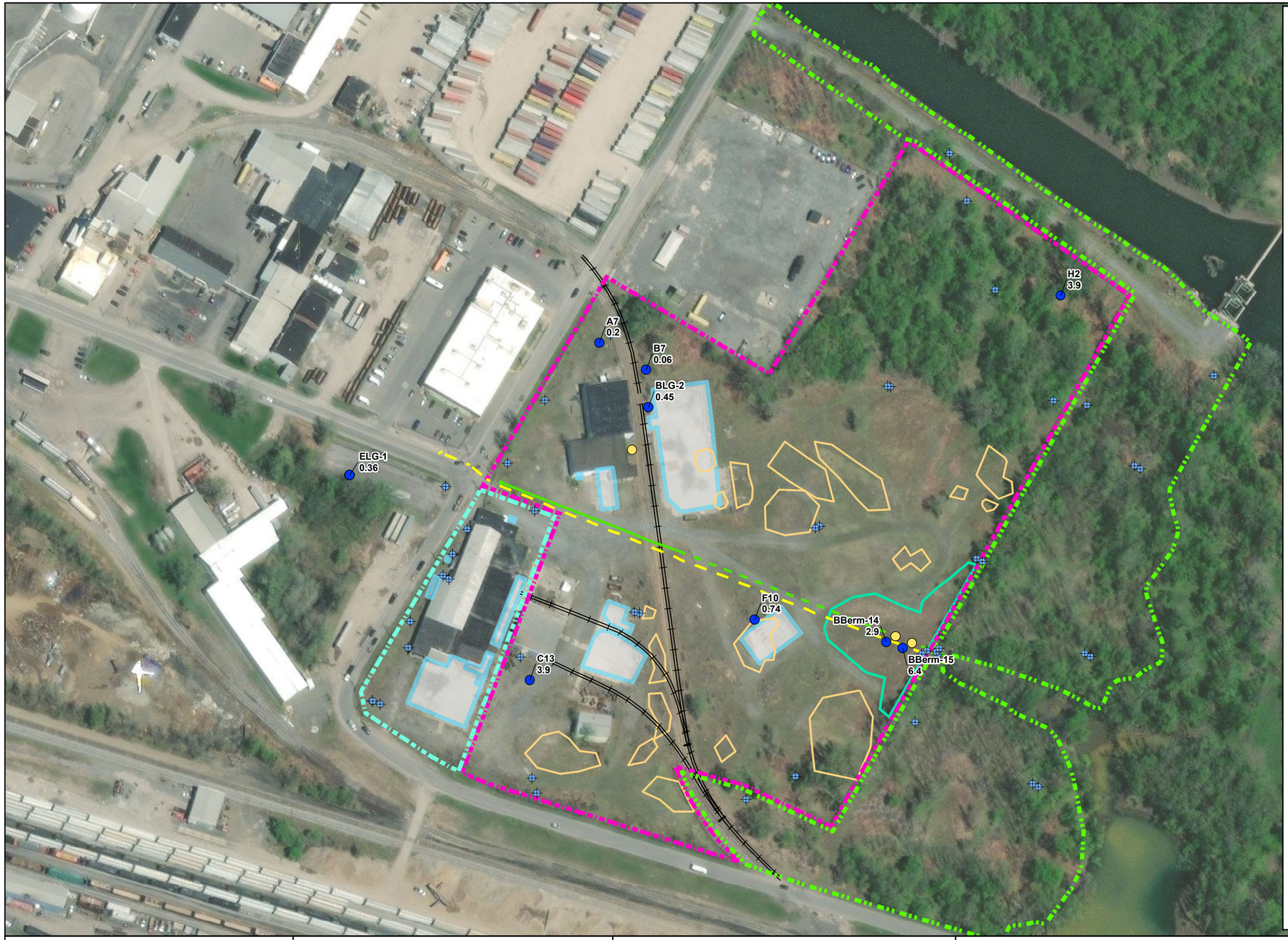
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(6' to 8')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(8' to 10')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil (10' to 12')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(14' to 16')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(16' to 18')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil (18' to 20')

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EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(20' to 22')

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LEGEND

Cadmium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 7.5 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

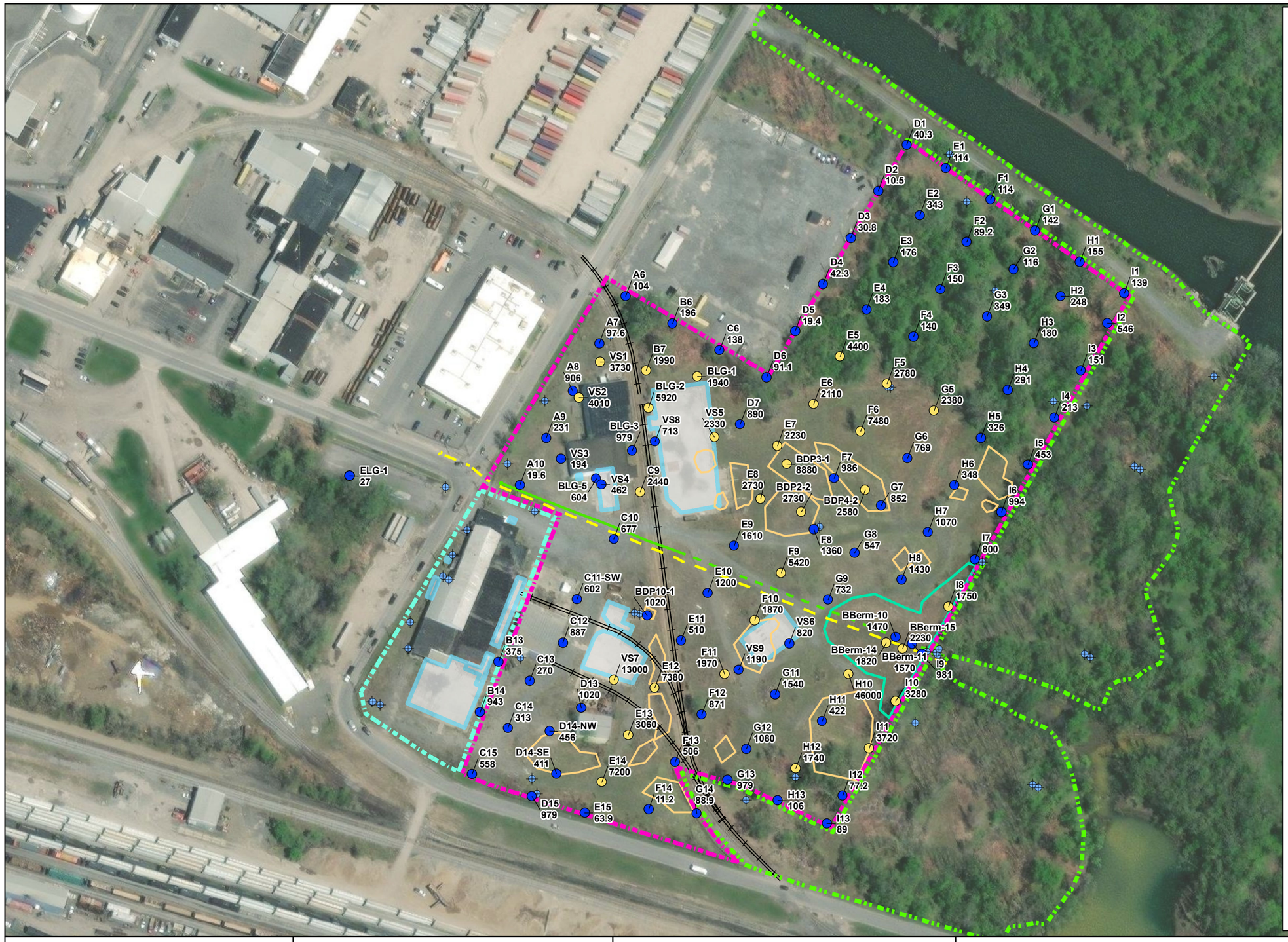
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(22' to 24')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

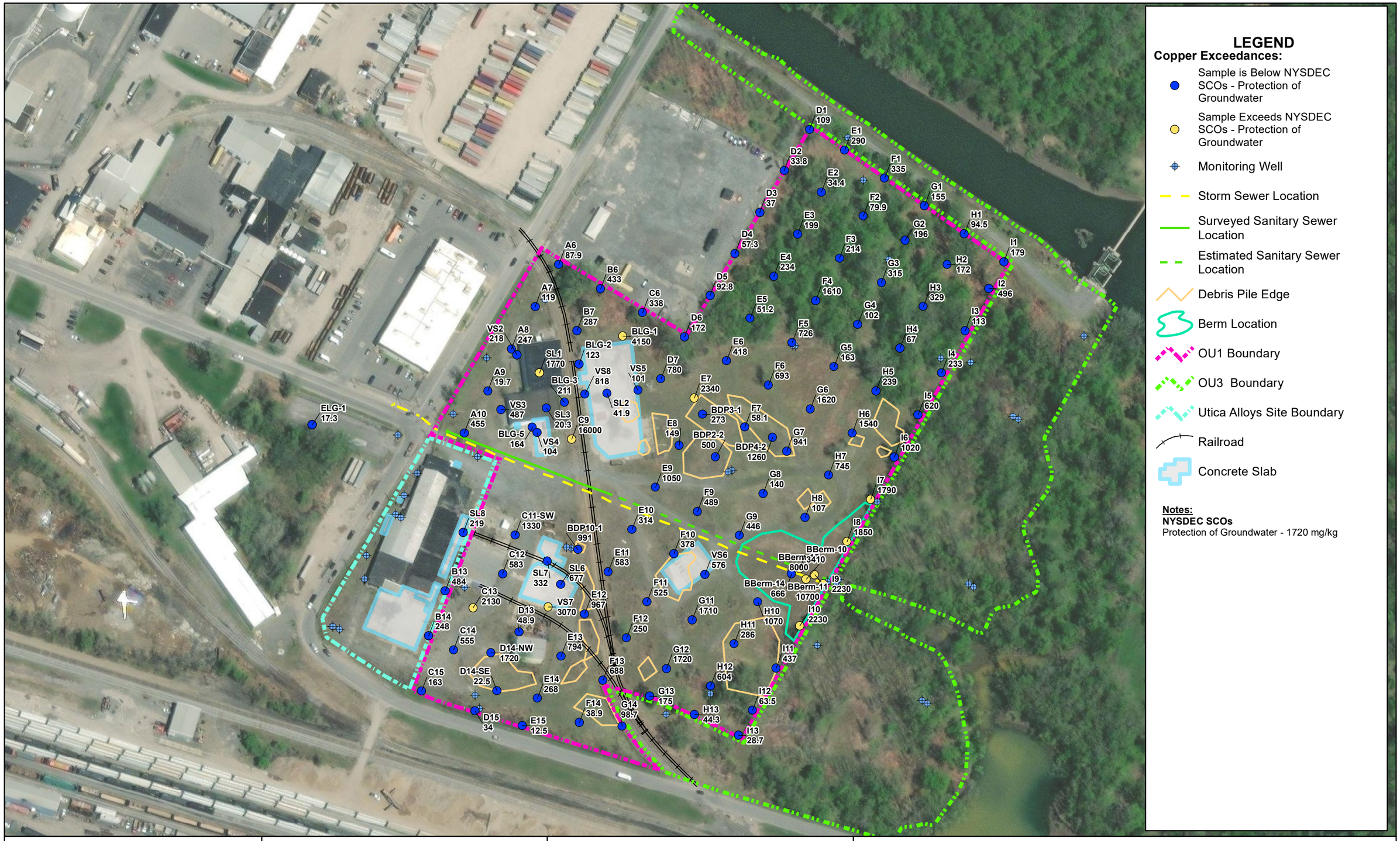
N

0 110 220 330 440
Feet

Copper in Surface Soil
(0 to 2")

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

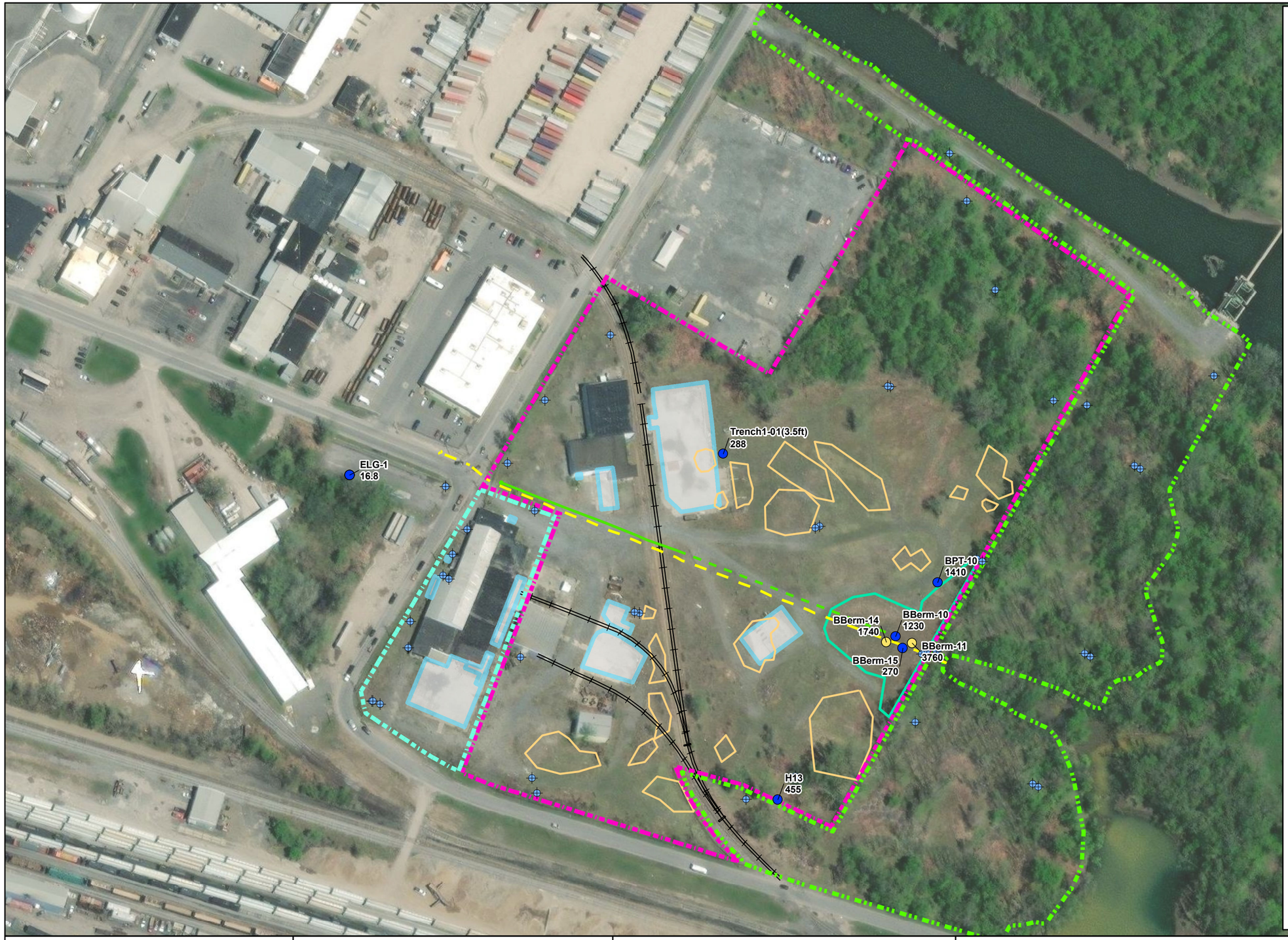
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0 110 220 330 440
Feet

Copper in Subsurface Soil
(2" to 2')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

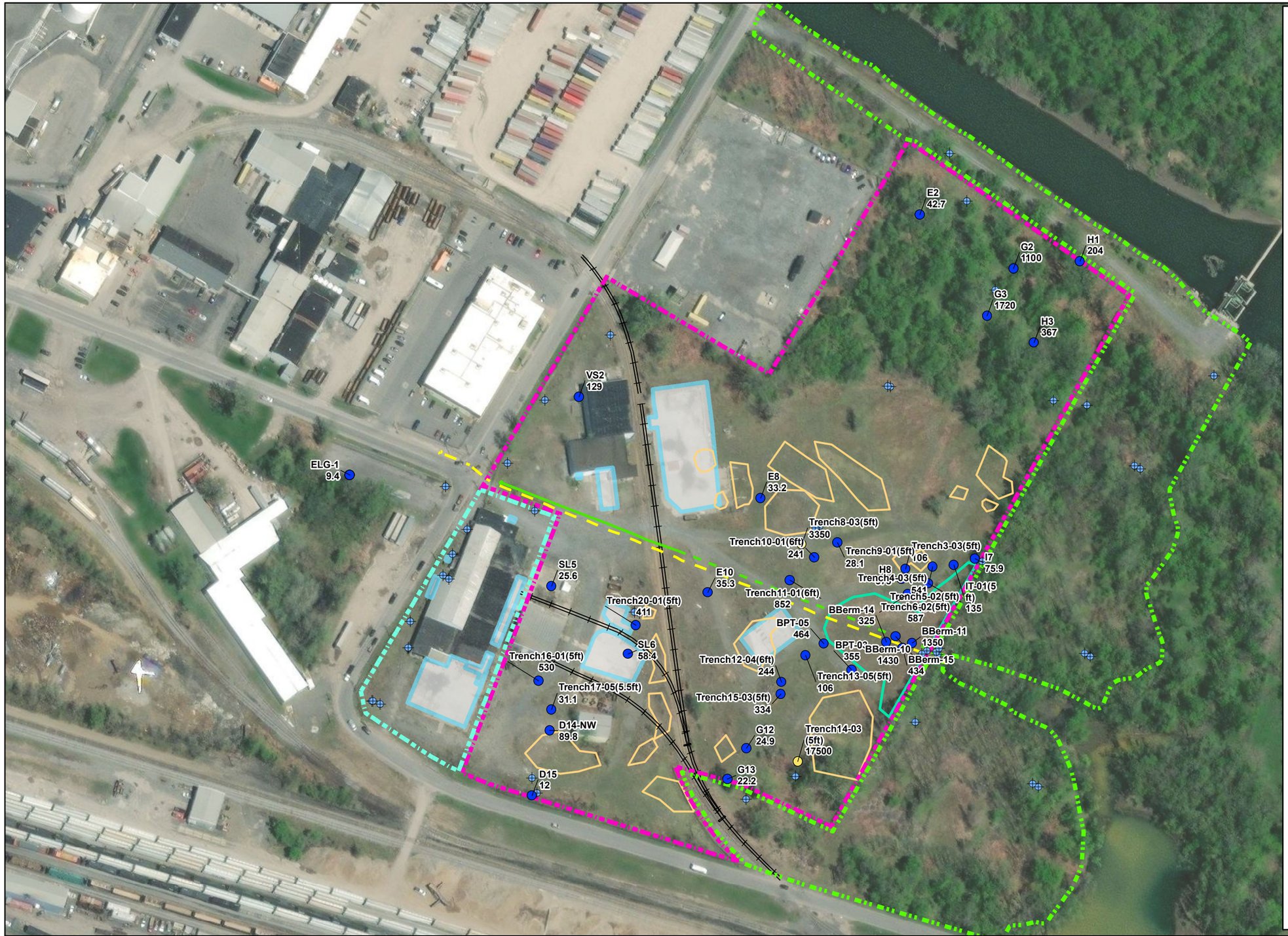
N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(2' to 4')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

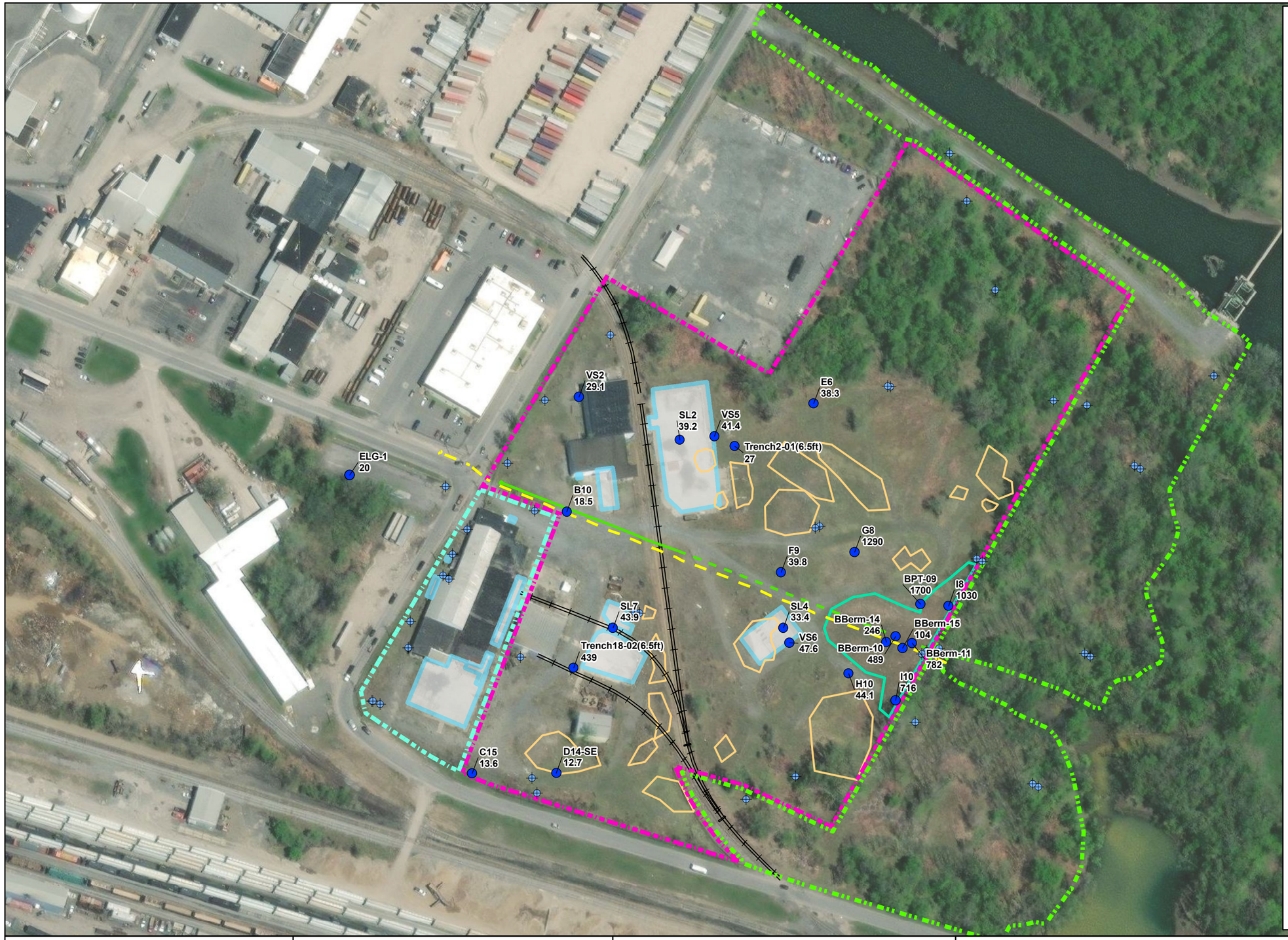
N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(4' to 6')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

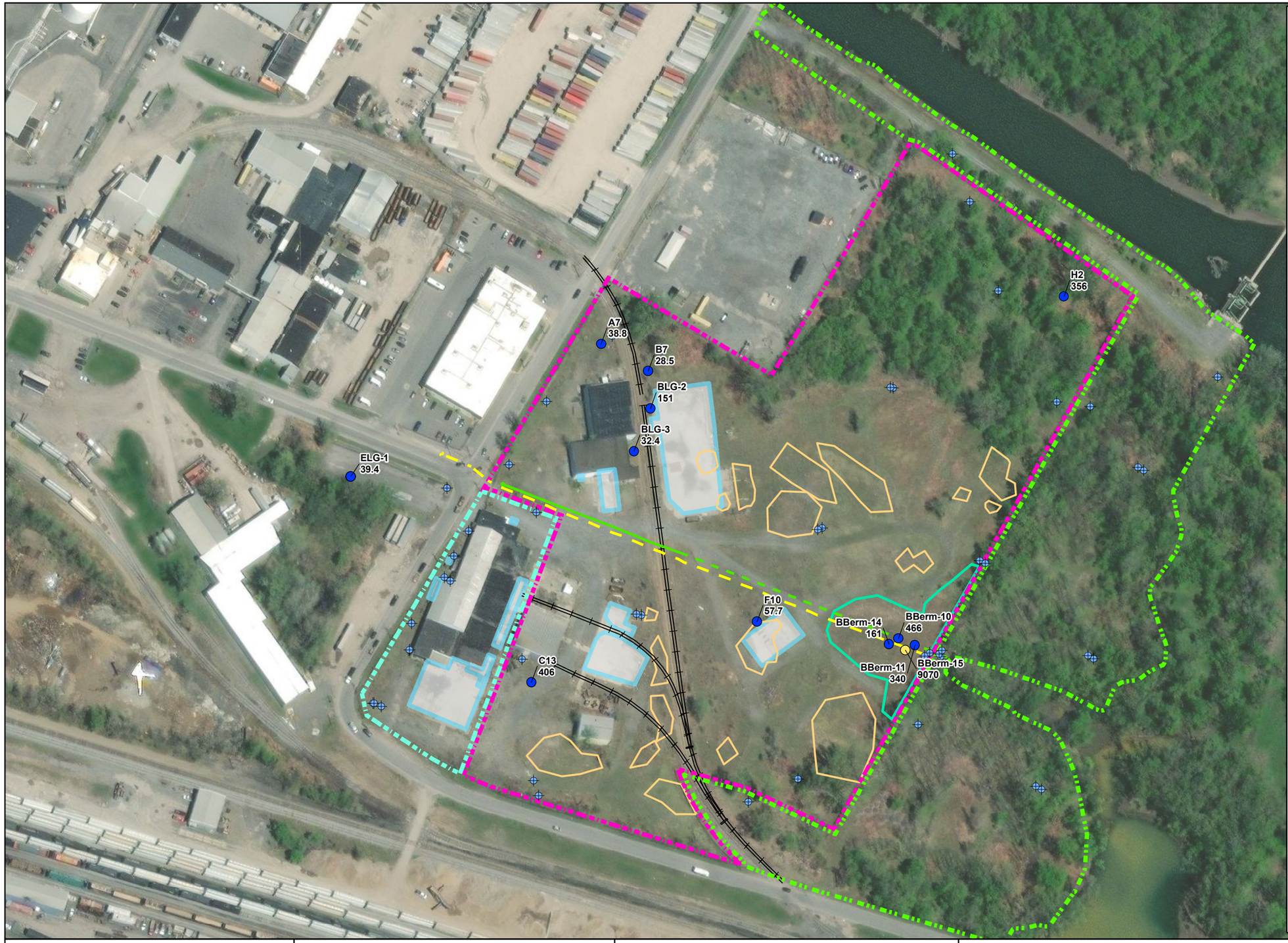
N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(6' to 8')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(8' to 10')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(10' to 12')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(12' to 14')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(14' to 16')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

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UTICA, NEW YORK

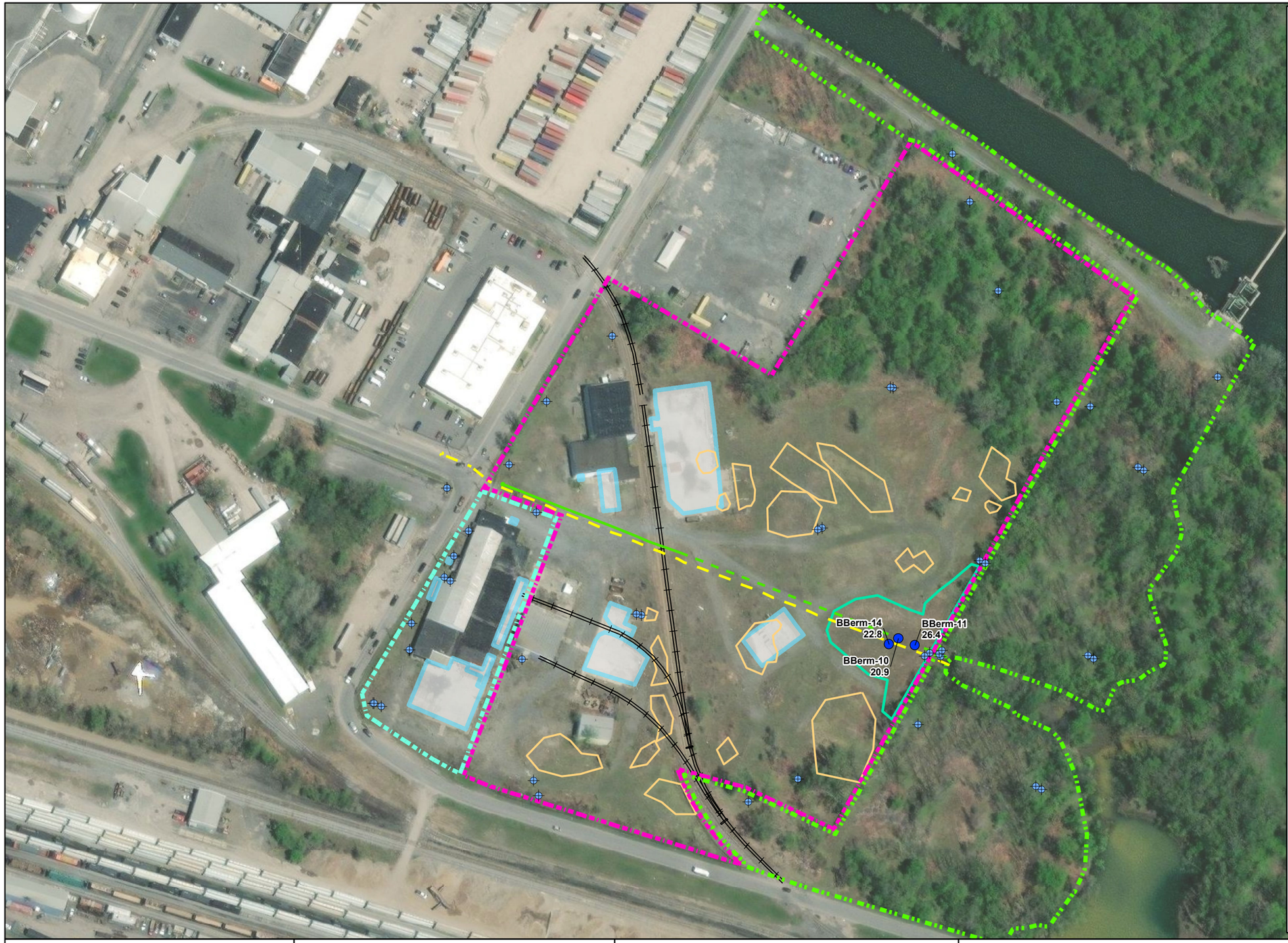
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0 110 220 330 440
Feet

Copper in Subsurface Soil
(16' to 18')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(18' to 20')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(20' to 22')

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LEGEND

Copper Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 1720 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

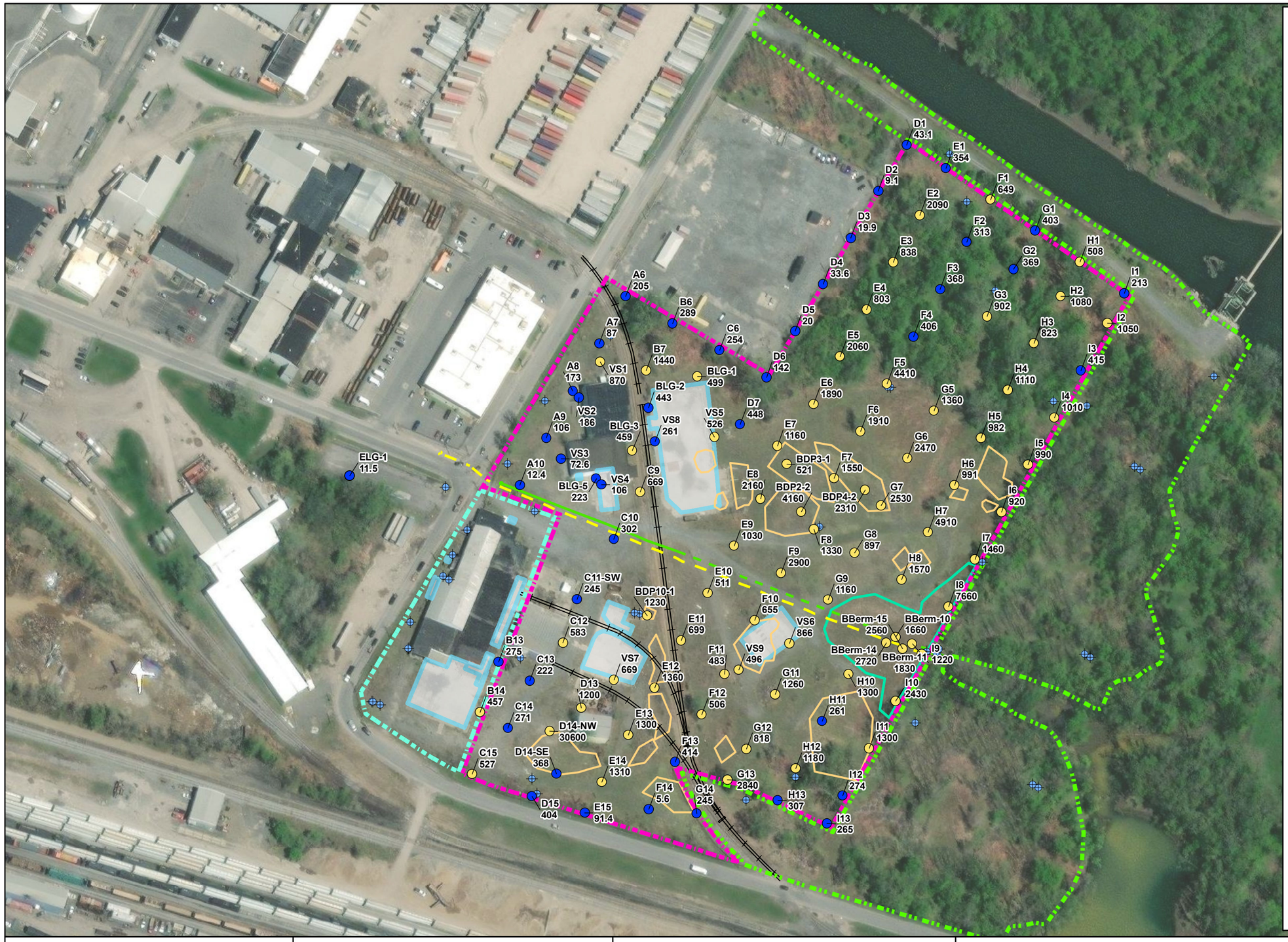
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0 110 220 330 440
Feet

Copper in Subsurface Soil
(22' to 24')

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 450 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

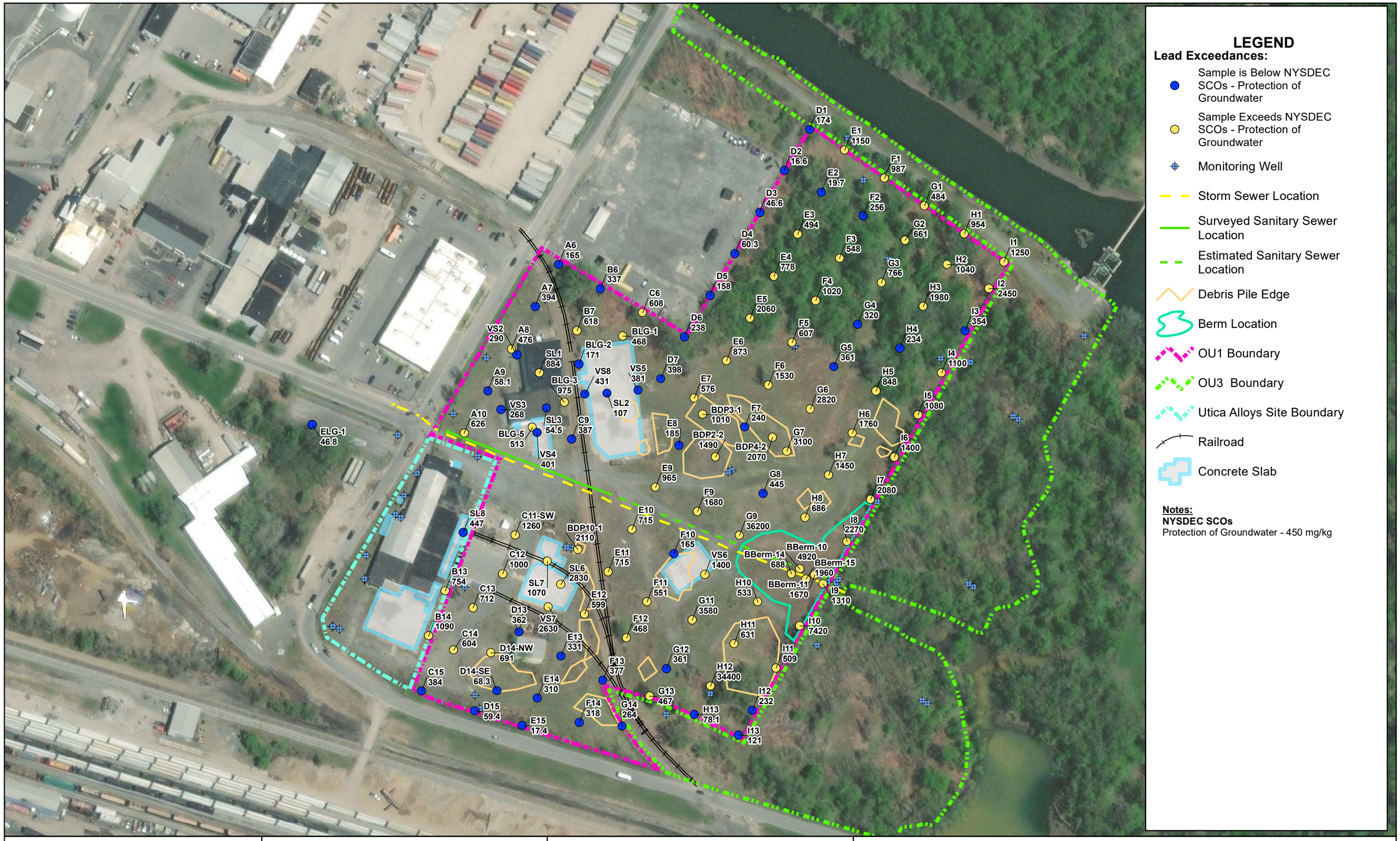
N

0 110 220 330 440
Feet

Lead in Surface Soil
(0 to 2")

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 450 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Lead in Subsurface Soil
(2" to 2')

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 450 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

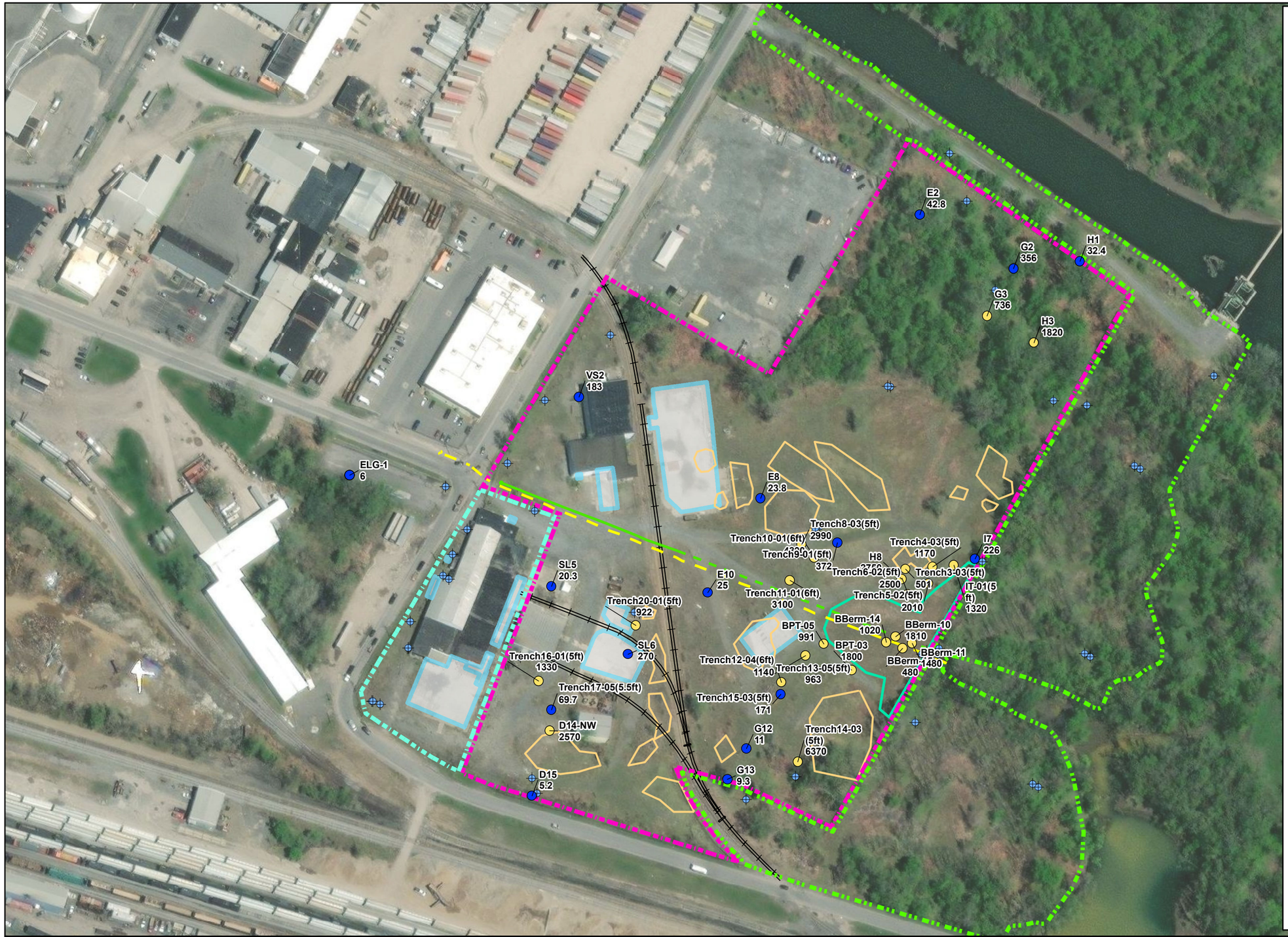
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0 110 220 330 440
Feet

Lead in Subsurface Soil
(2' to 4')

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Groundwater - 450 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Lead in Subsurface Soil
(4' to 6')

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 450 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

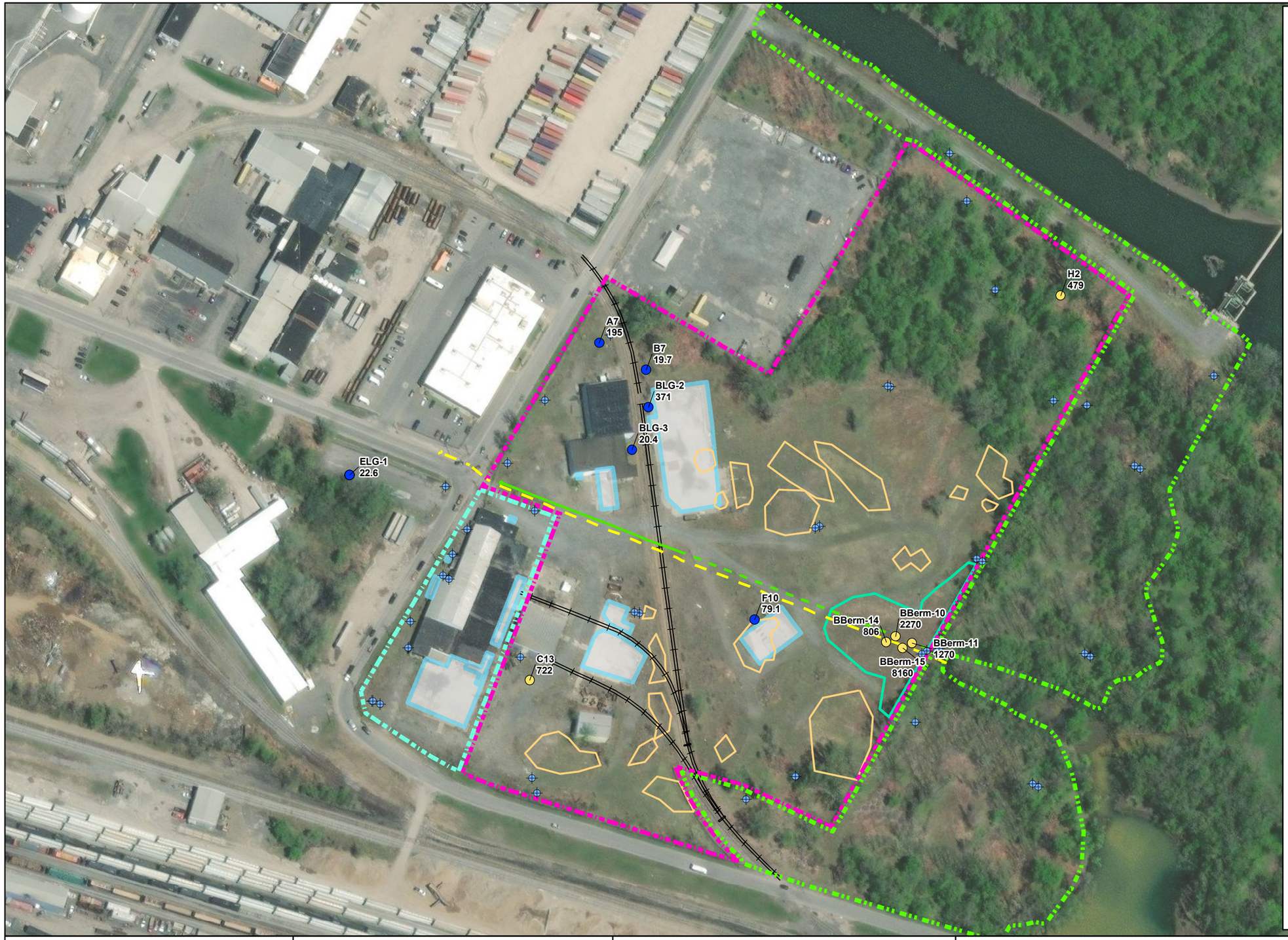
N

0 110 220 330 440
Feet

Lead in Subsurface Soil
(6' to 8')

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 450 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Lead in Subsurface Soil
(8' to 10')

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 450 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

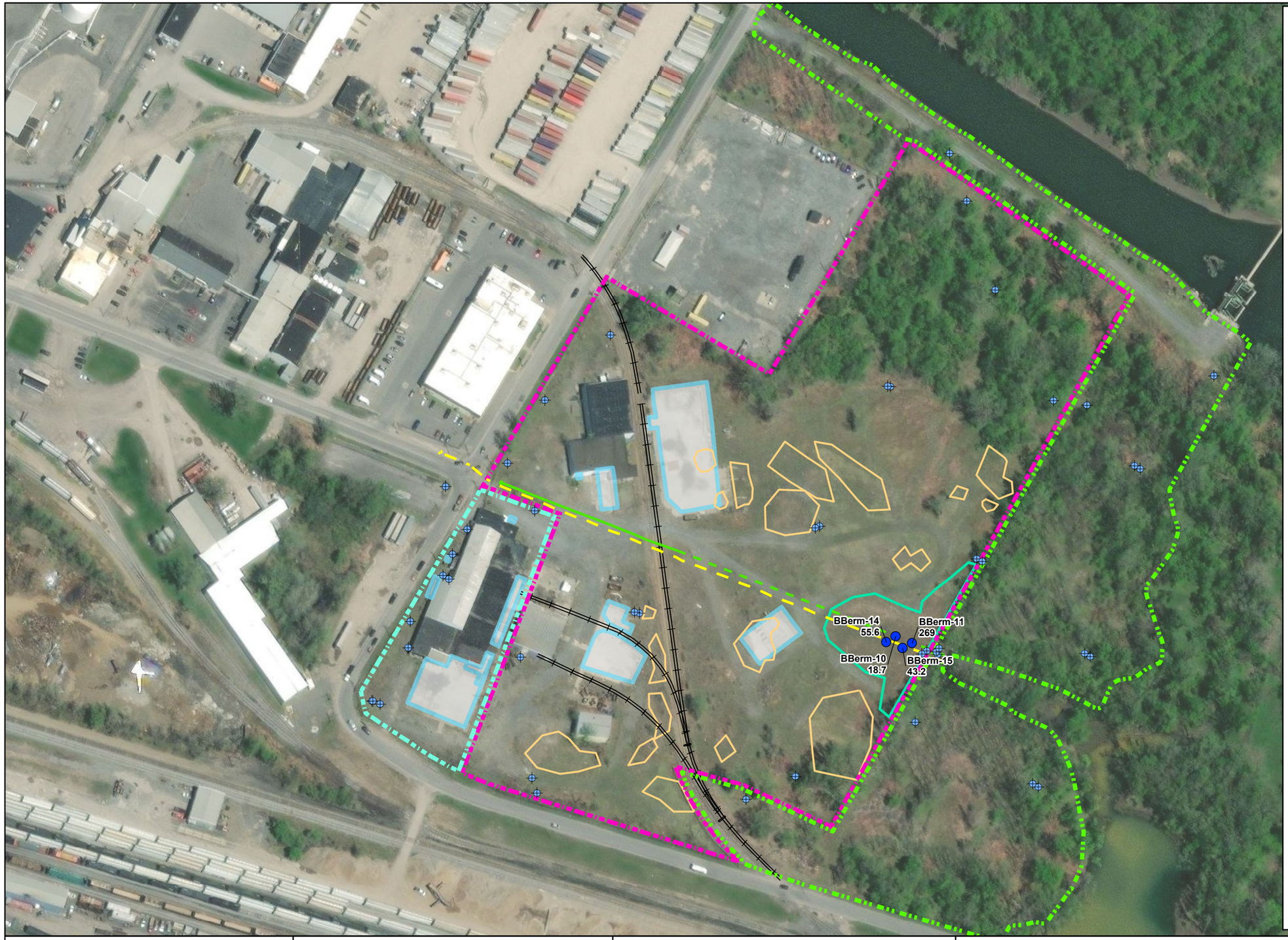
N

0 110 220 330 440
Feet

Lead in Subsurface Soil
(10' to 12')

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 450 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Lead in Subsurface Soil
(12' to 14')

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 450 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Lead in Subsurface Soil
(14' to 16')

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LEGEND

Lead Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 450 mg/kg

EHS Support℠

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UTICA, NEW YORK

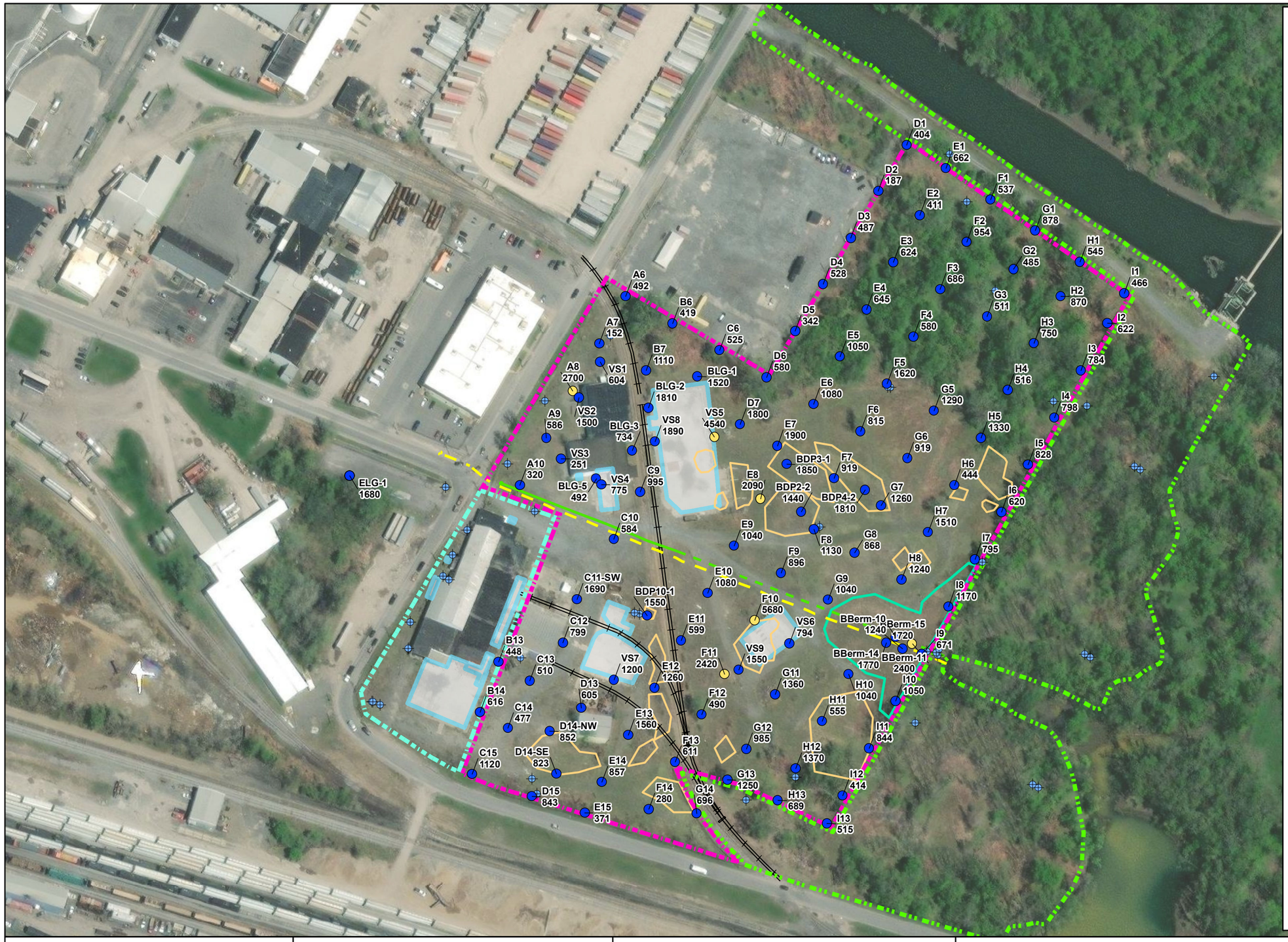
N

0 110 220 330 440
Feet

Lead in Subsurface Soil
(20' to 22')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

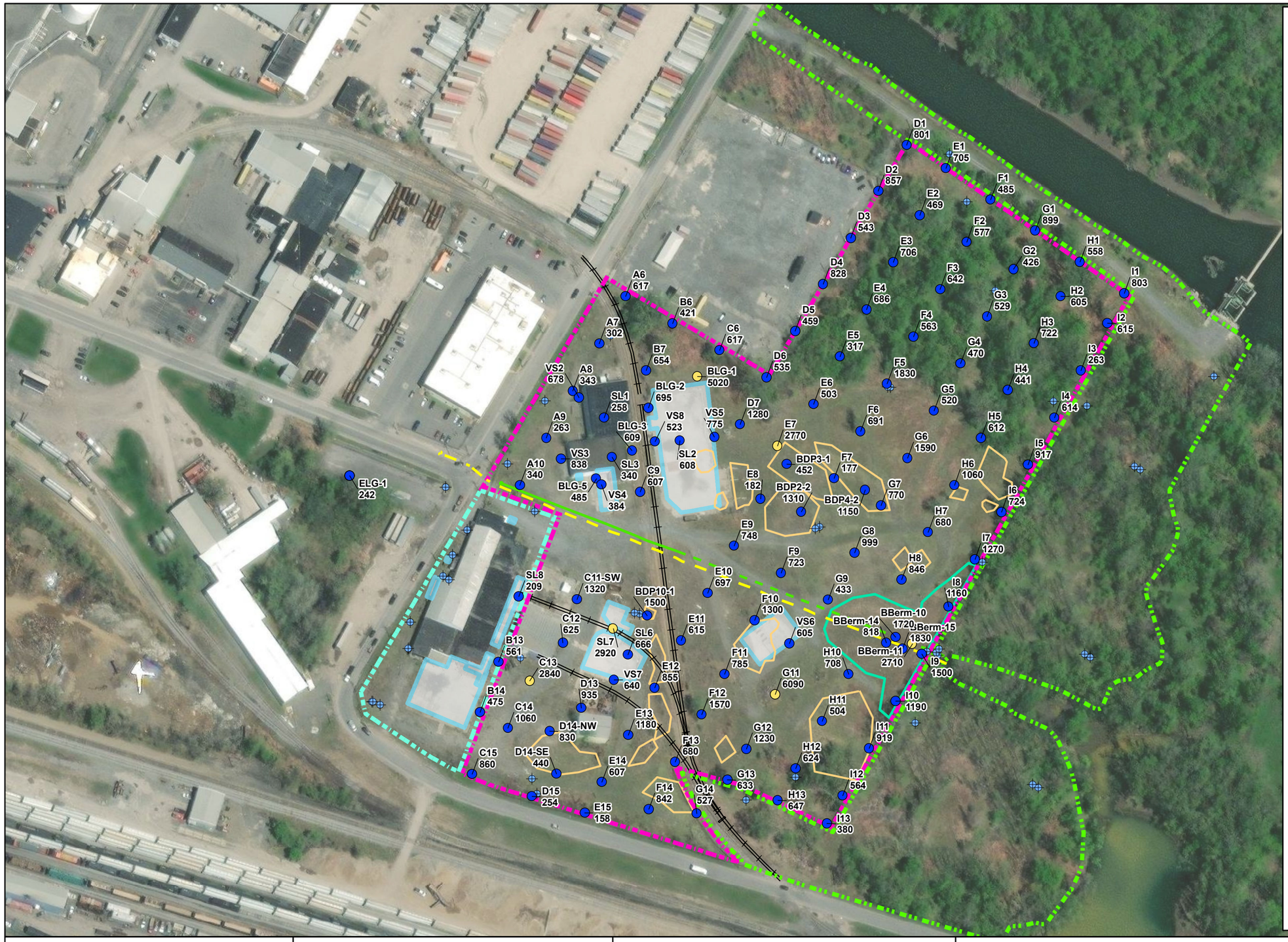
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0 110 220 330 440
Feet

Manganese in Surface Soil
(0 to 2")

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

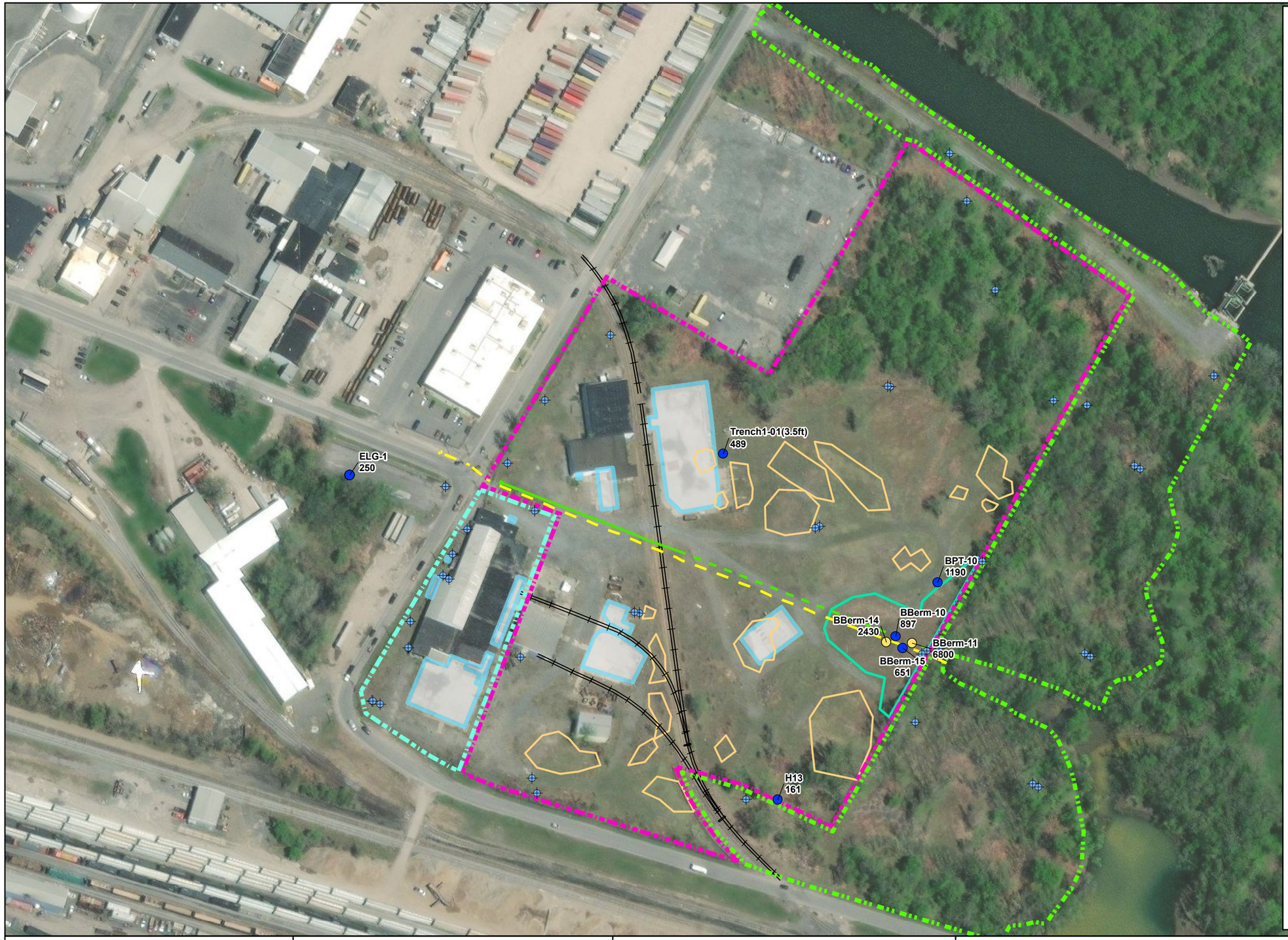
N

0 110 220 330 440
Feet

Manganese in Subsurface Soil
(2" to 2')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

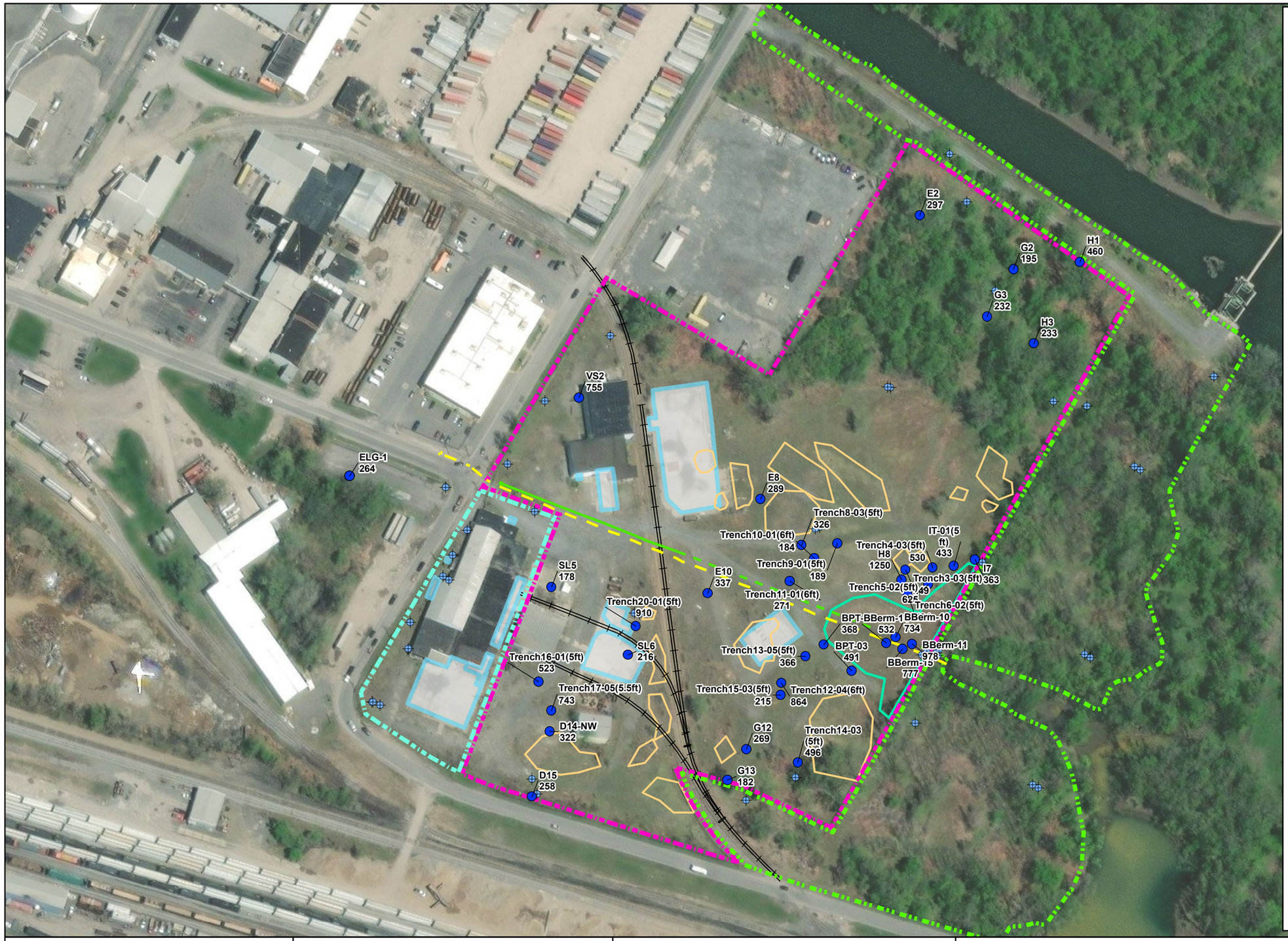
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0 110 220 330 440
Feet

Manganese in Subsurface Soil (2' to 4')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

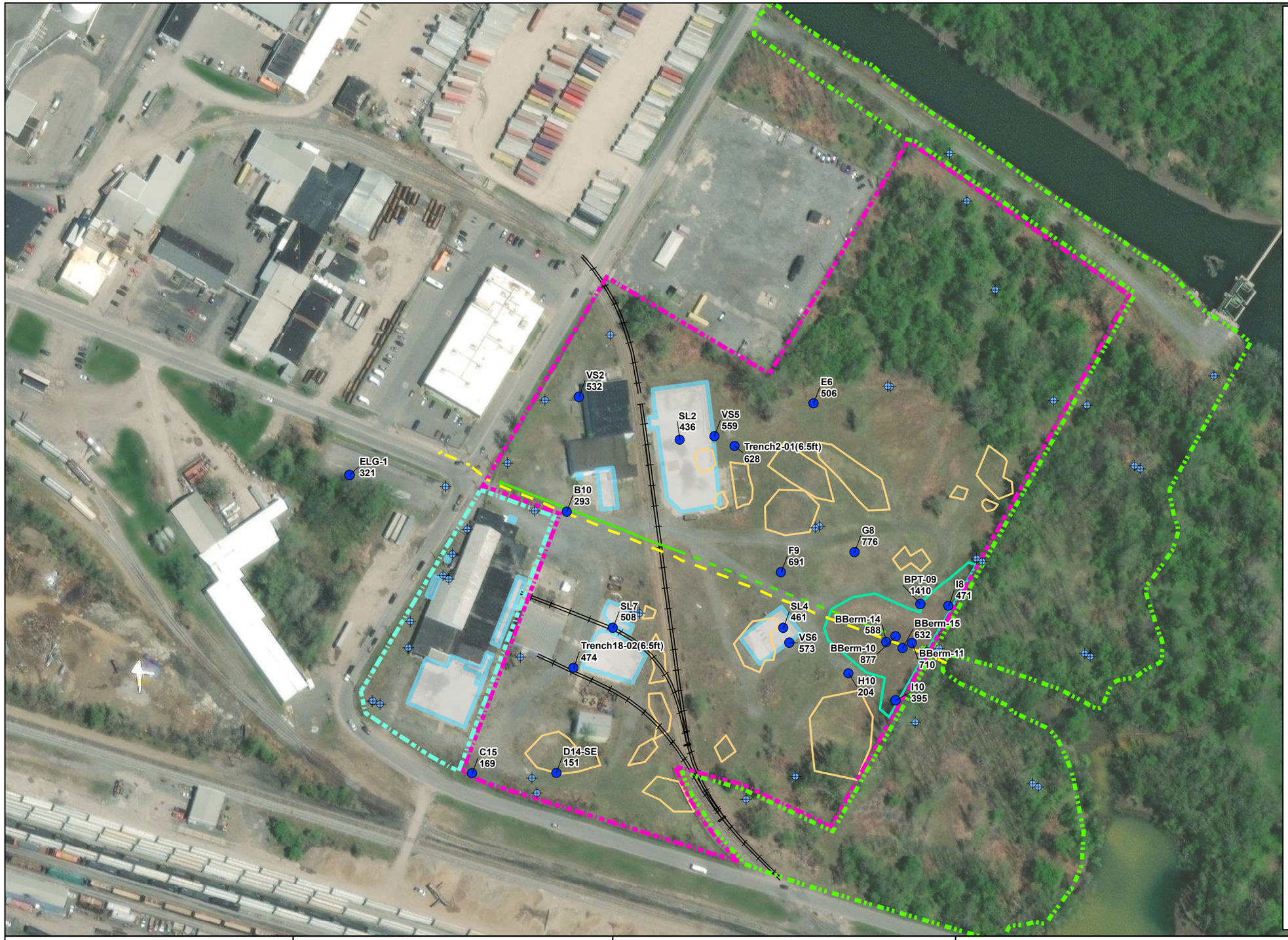
N

0 110 220 330 440
Feet

Manganese in Subsurface Soil (4' to 6')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil (6' to 8')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil
(8' to 10')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil
(10' to 12')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil (12' to 14')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil
(14' to 16')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil
(16' to 18')

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LEGEND

Manganese Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2000 mg/kg

EHS Support℠

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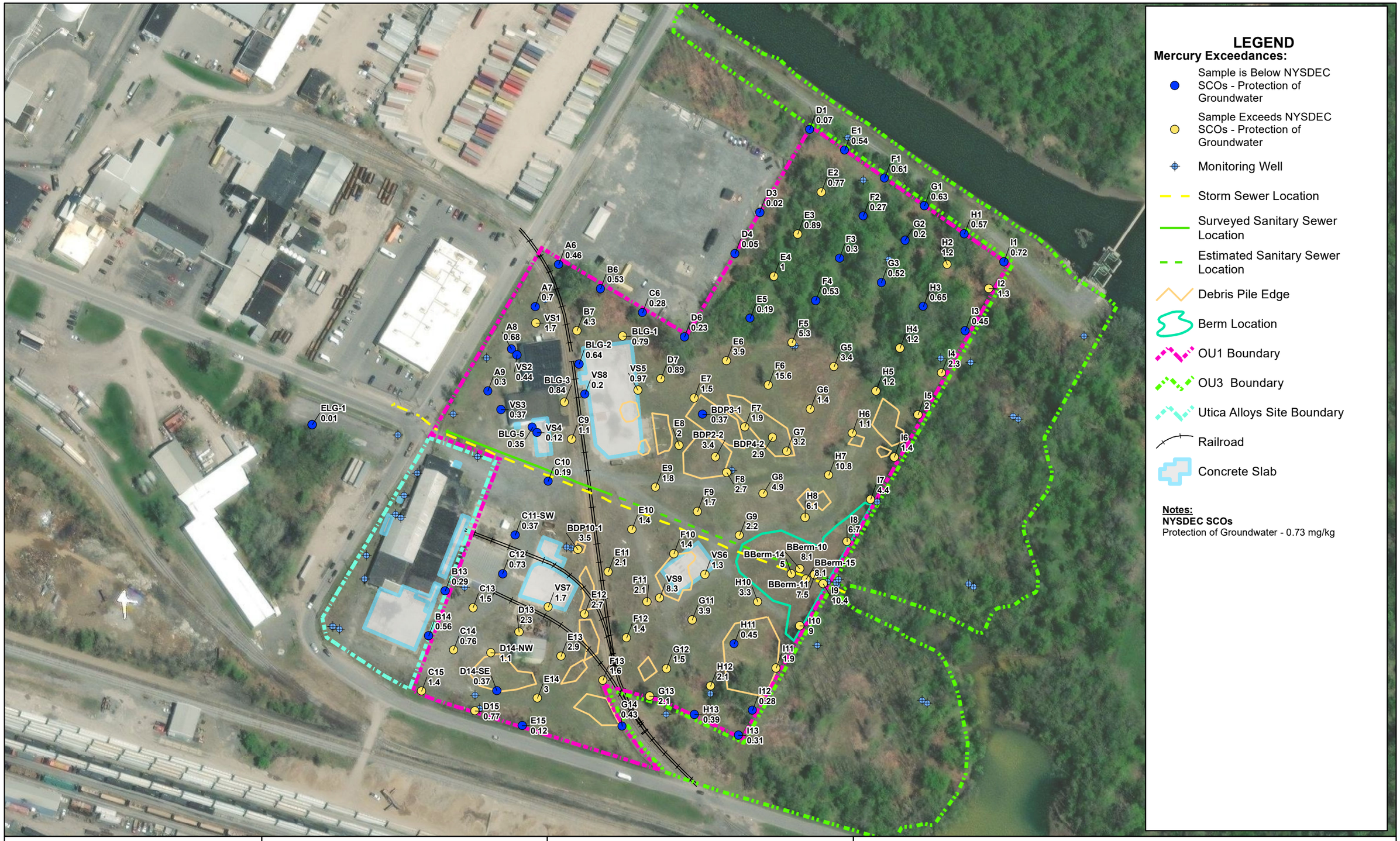
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0 110 220 330 440
Feet

Manganese in Subsurface Soil
(18' to 20')

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LEGEND

Mercury Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 0.73 mg/kg

EHS Support℠

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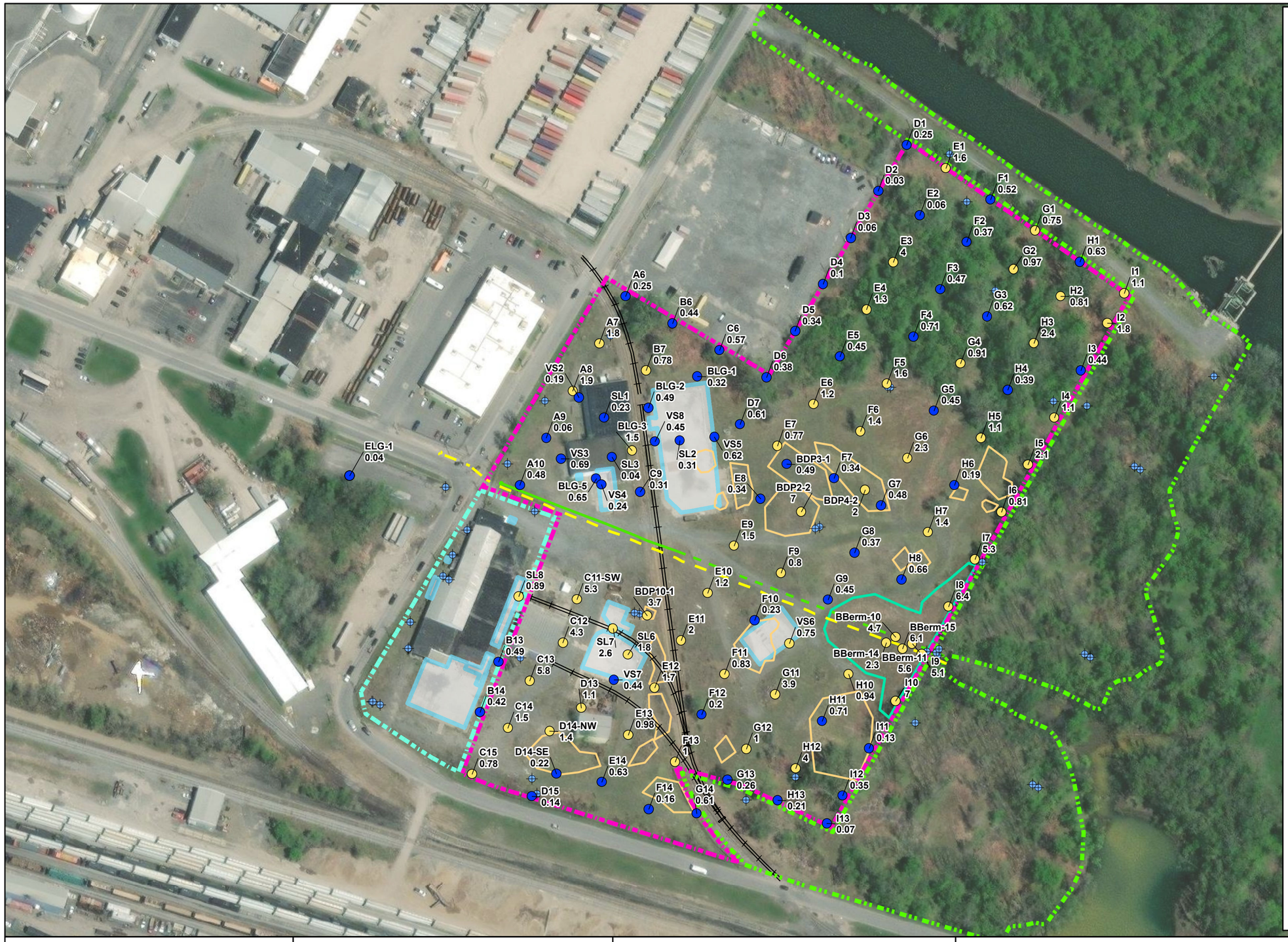
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0 110 220 330 440
Feet

Mercury in Surface Soil
(0 to 2")

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EHS Support℠

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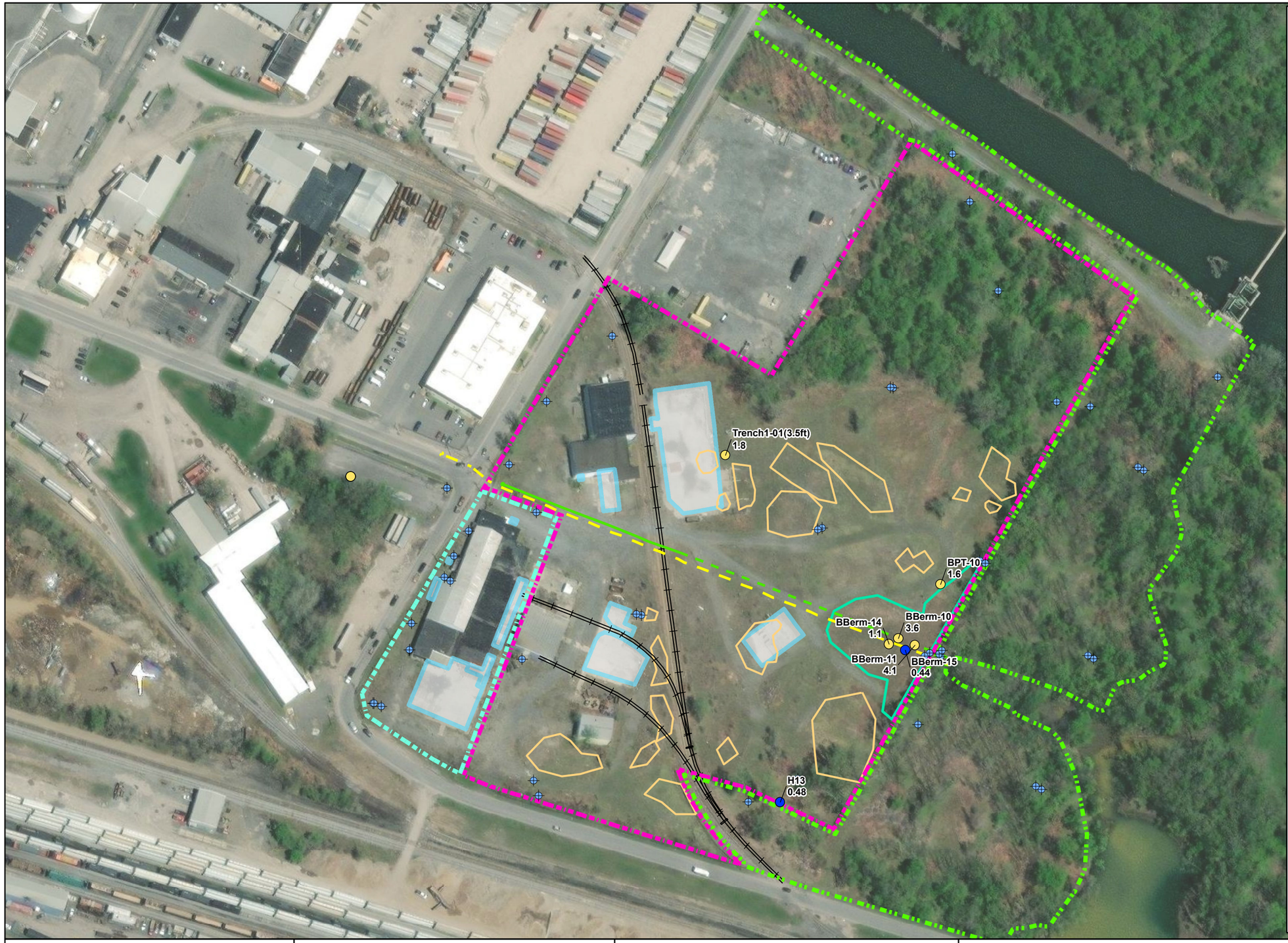
N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(2" to 2')

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LEGEND

Mercury Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 0.73 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

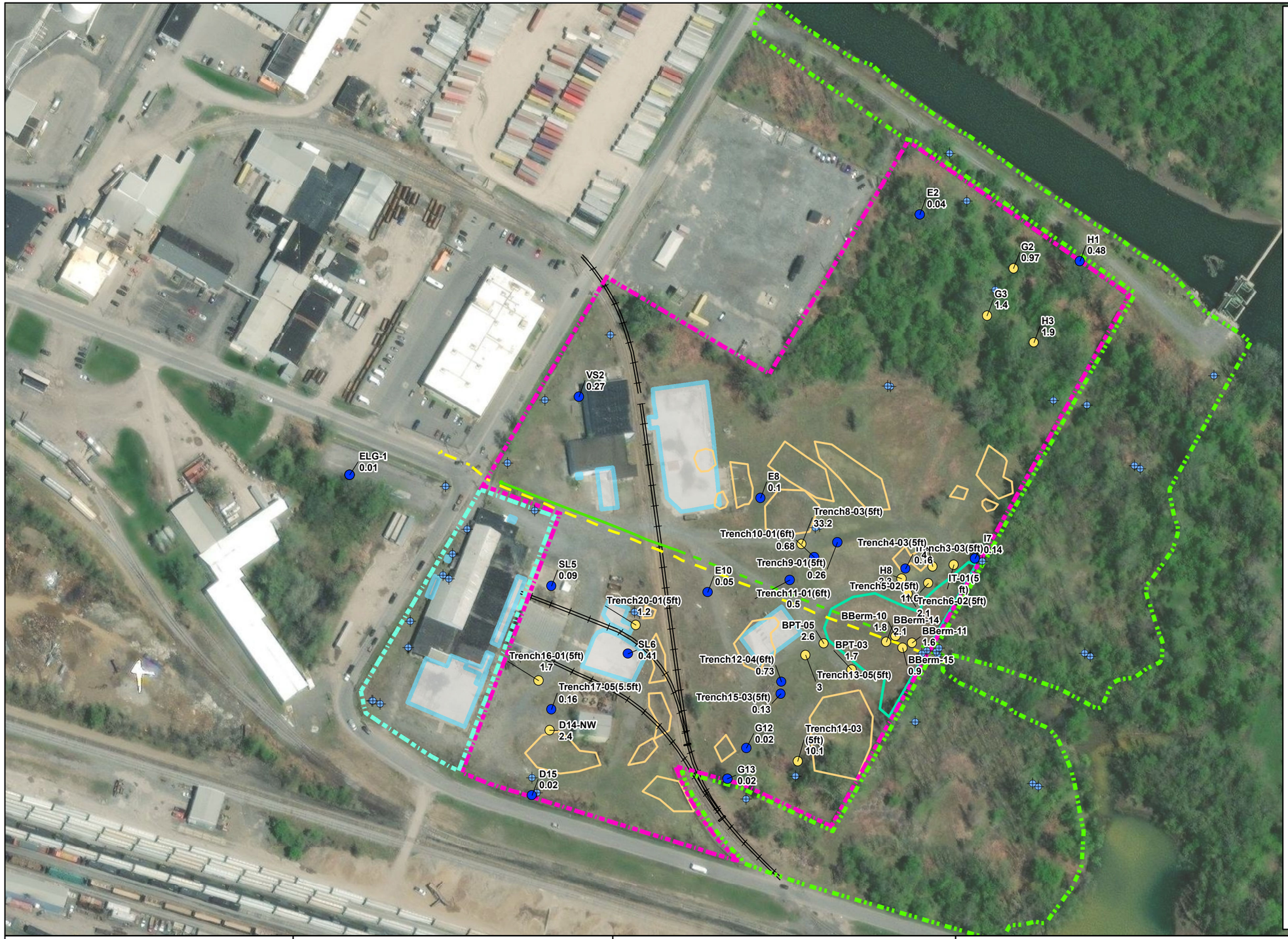
N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(2' to 4')

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LEGEND

Mercury Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 0.73 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

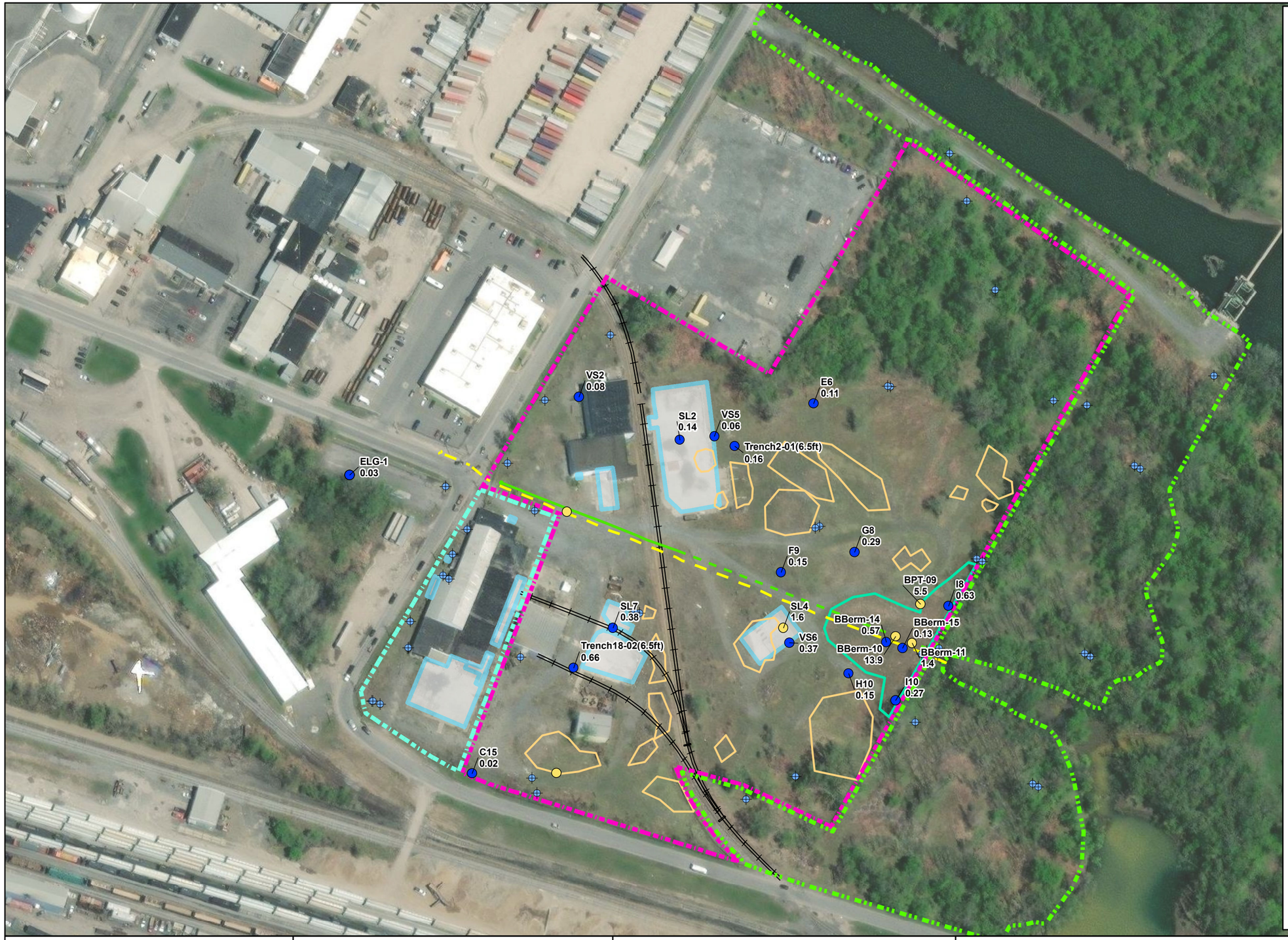
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0 110 220 330 440
Feet

Mercury in Subsurface Soil
(4' to 6')

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LEGEND

Mercury Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 0.73 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

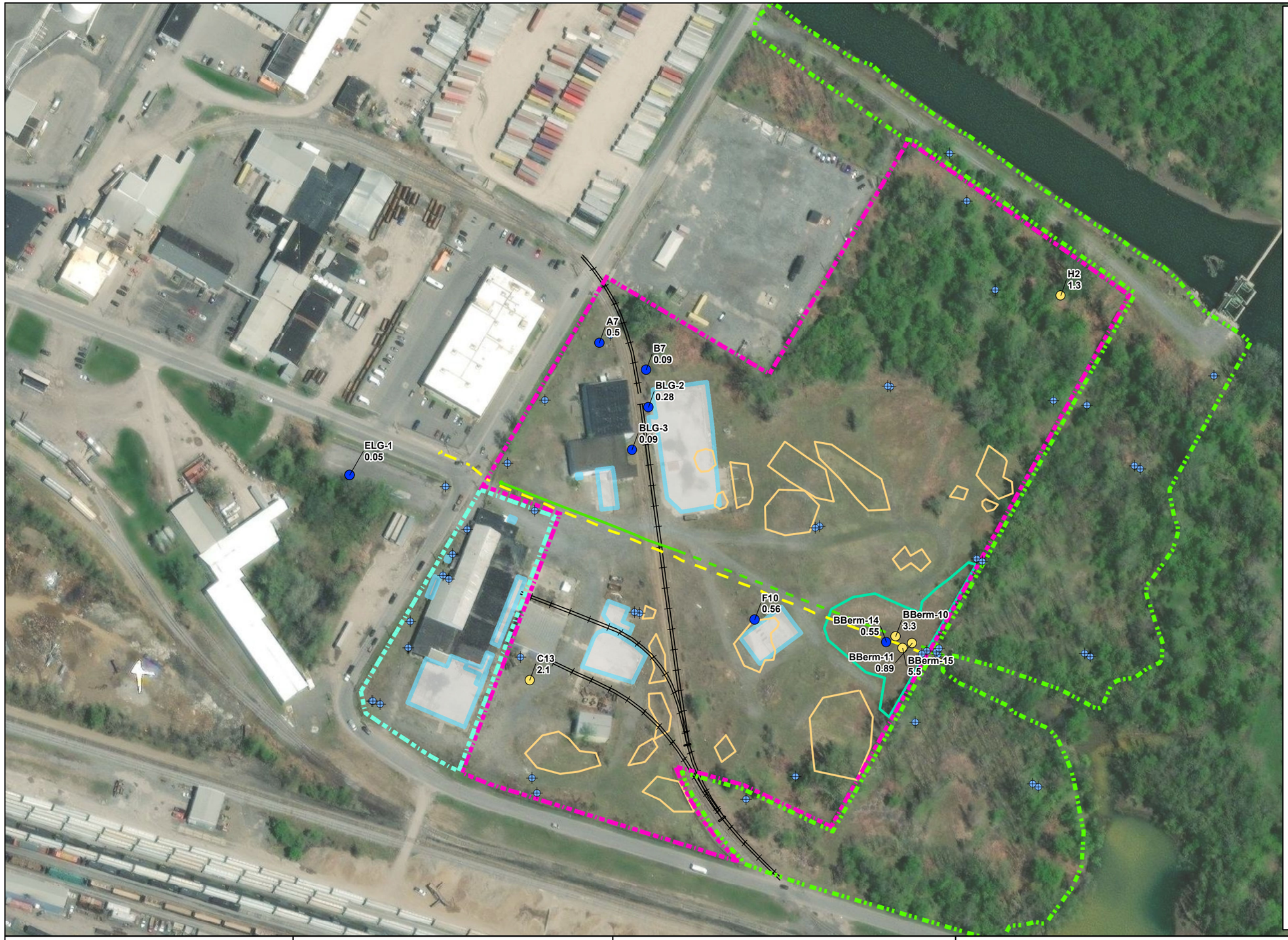
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0 110 220 330 440
Feet

Mercury in Subsurface Soil
(6' to 8')

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LEGEND

Mercury Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 0.73 mg/kg

EHS Support℠

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UTICA, NEW YORK

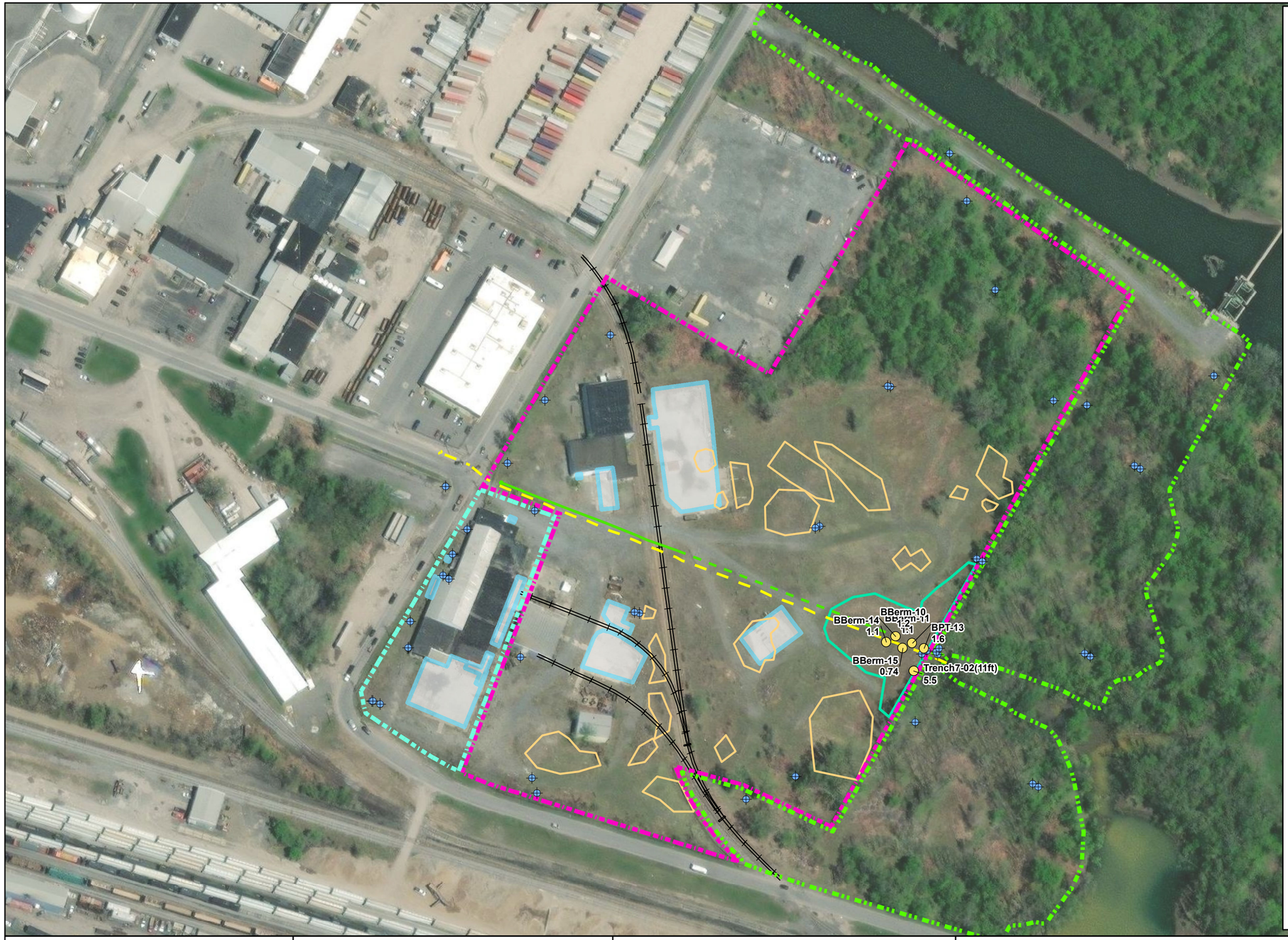
N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(8' to 10')

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LEGEND

Mercury Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 0.73 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(10' to 12')

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LEGEND

Mercury Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 0.73 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

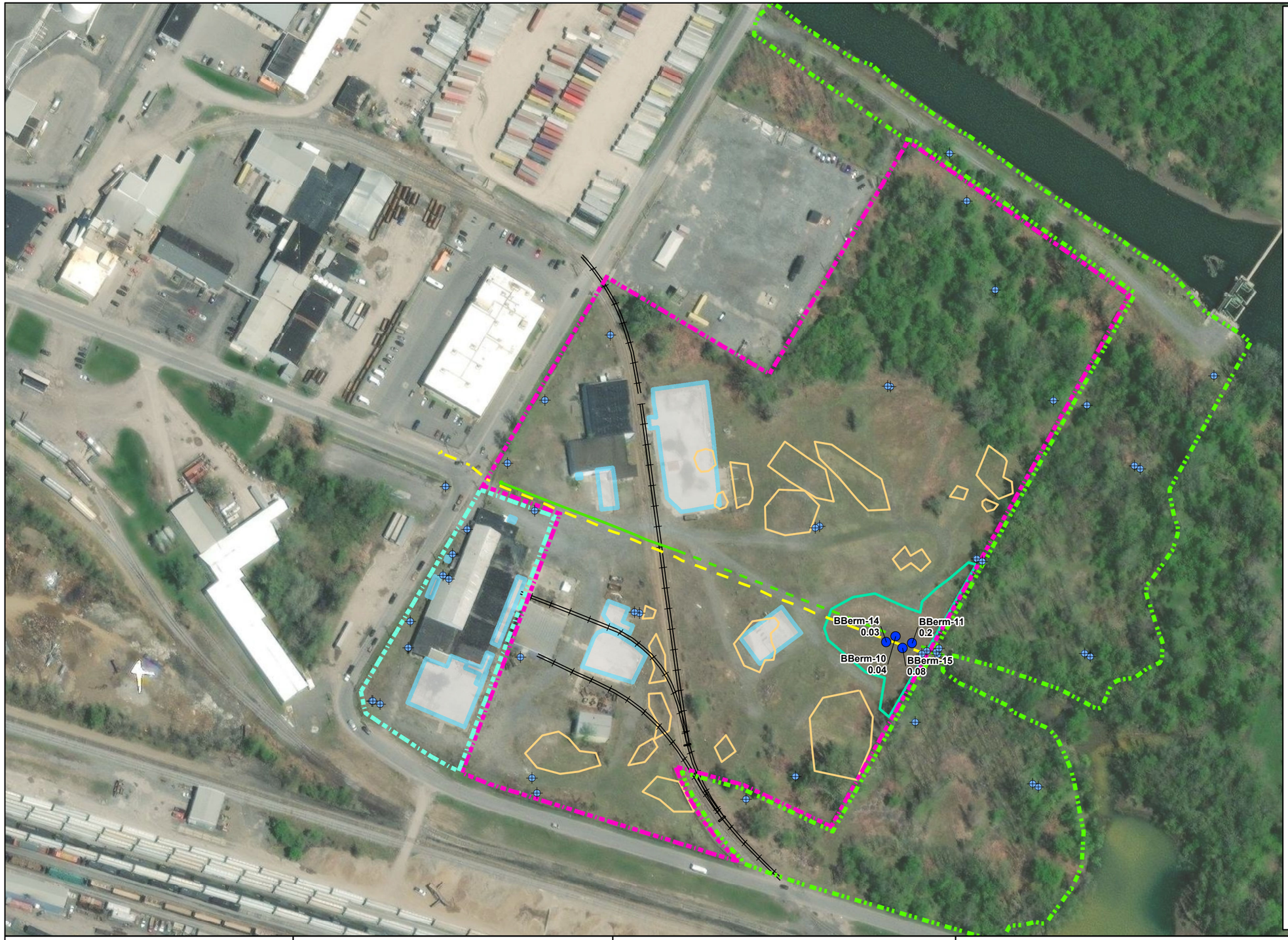
N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(12' to 14')

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LEGEND

Mercury Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 0.73 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(14' to 16')

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LEGEND

Mercury Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 0.73 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

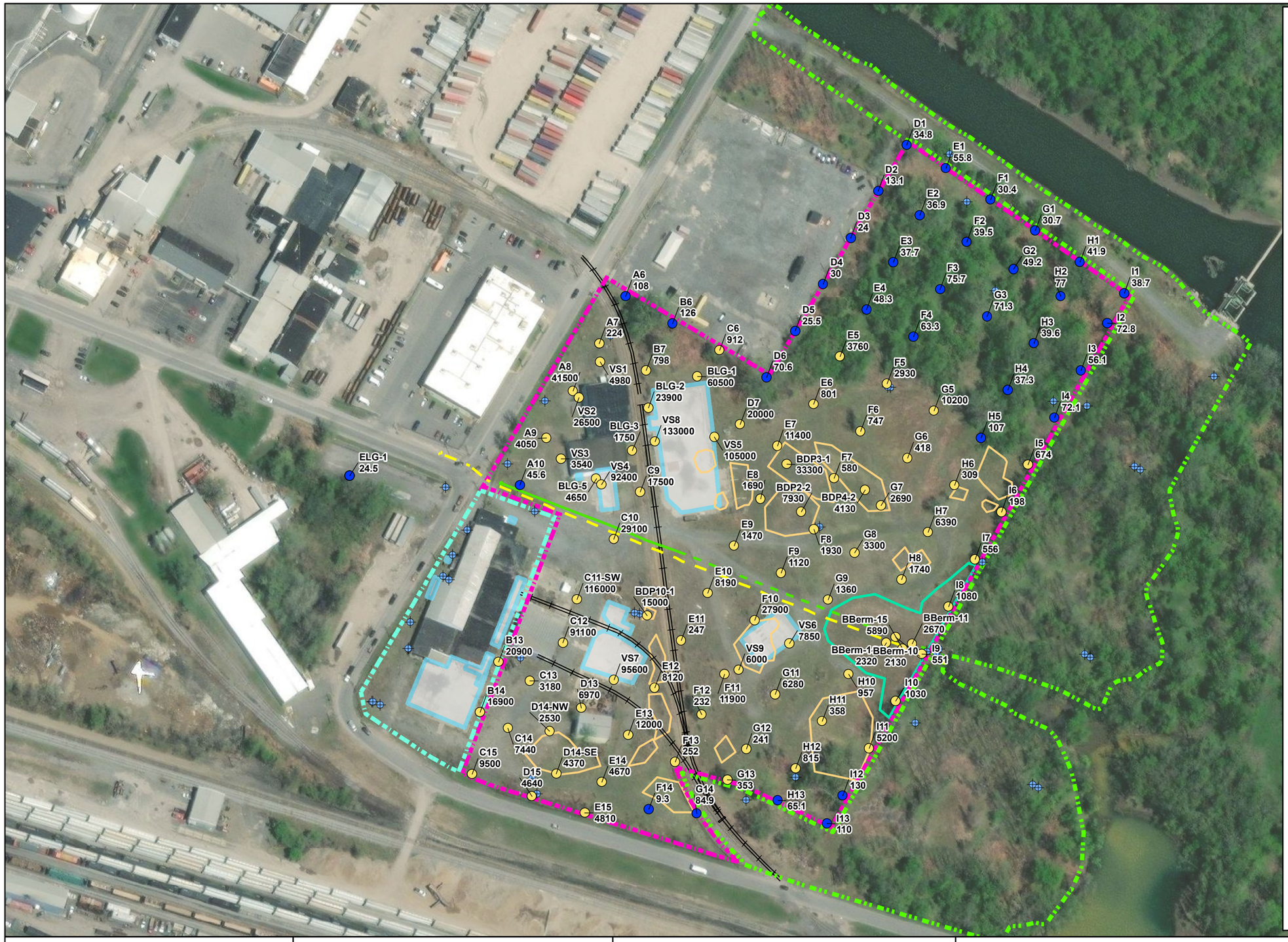
N

0 110 220 330 440
Feet

Mercury in Subsurface Soil (18' to 20')

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

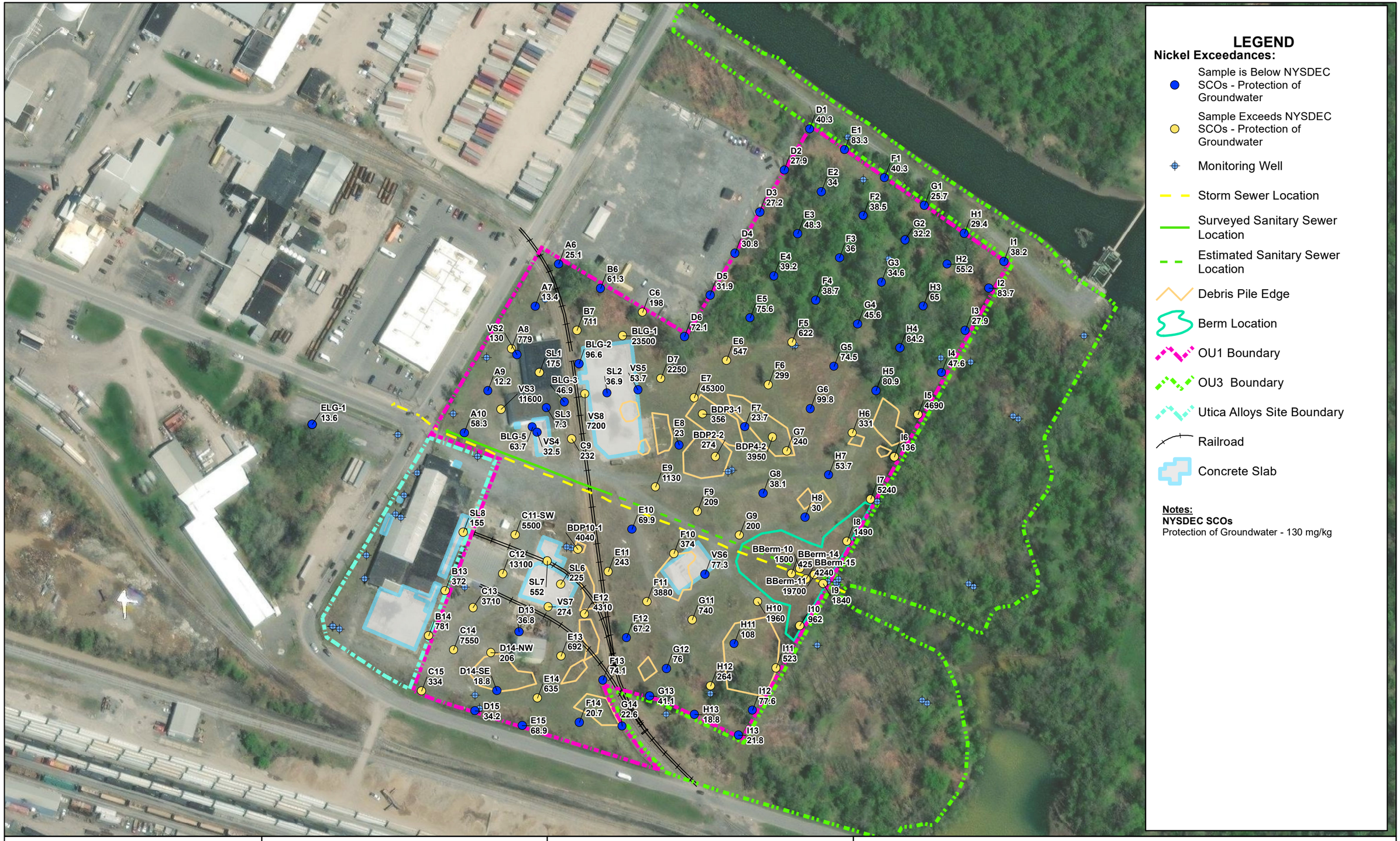
N

0 110 220 330 440
Feet

Nickel in Surface Soil
(0 to 2")

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

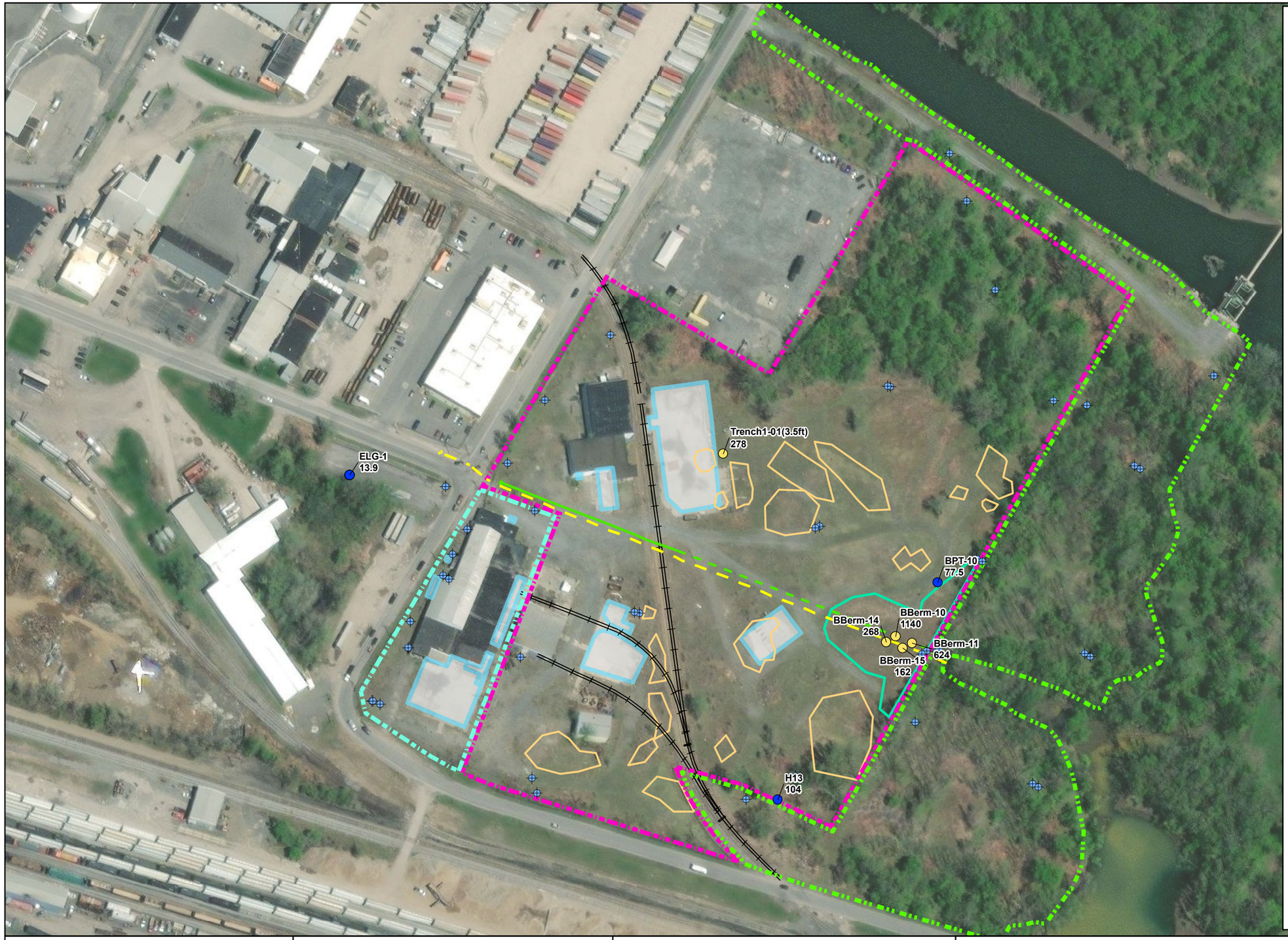
N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(2" to 2')

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

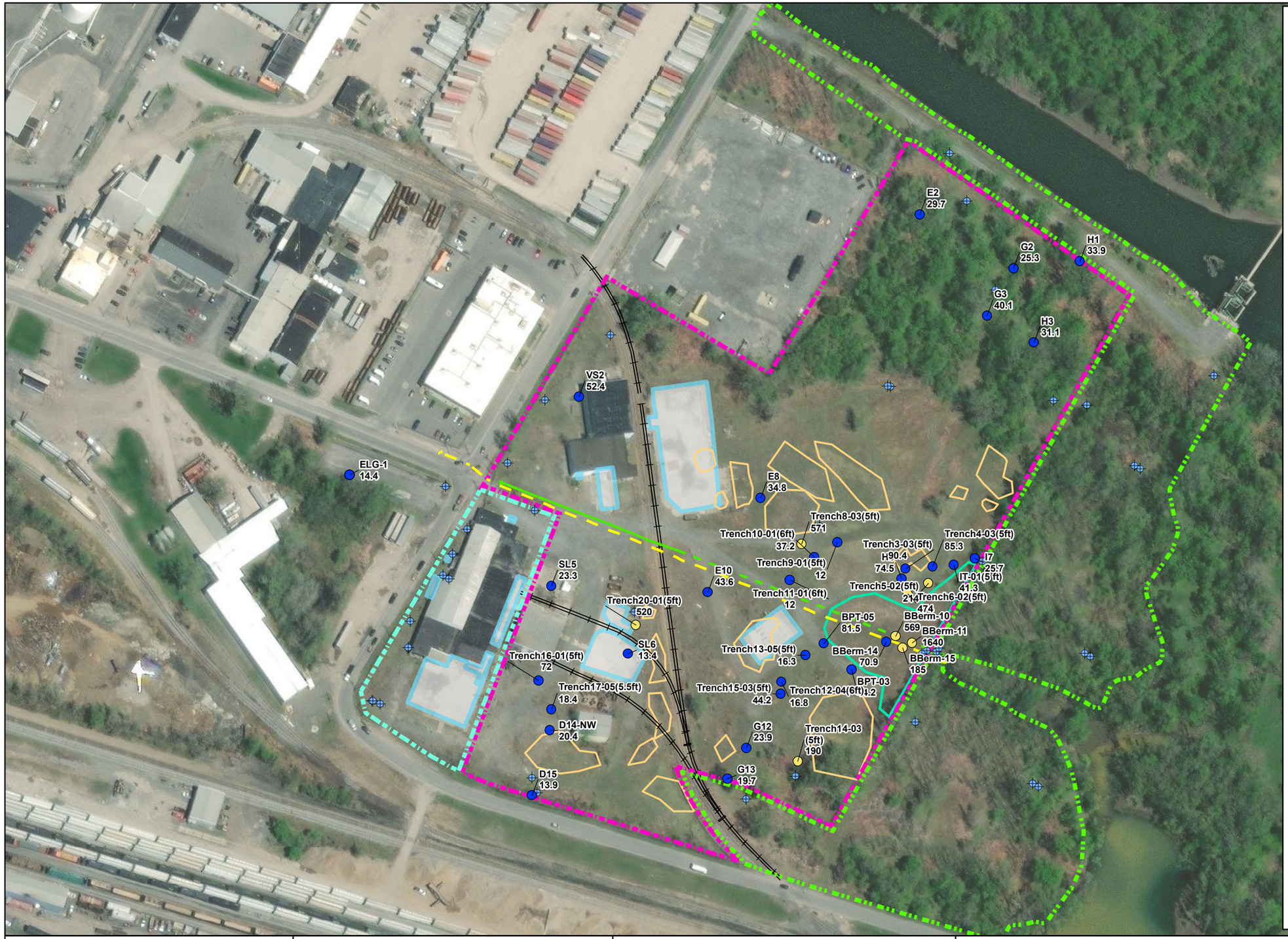
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Feet

Nickel in Subsurface Soil
(2' to 4')

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

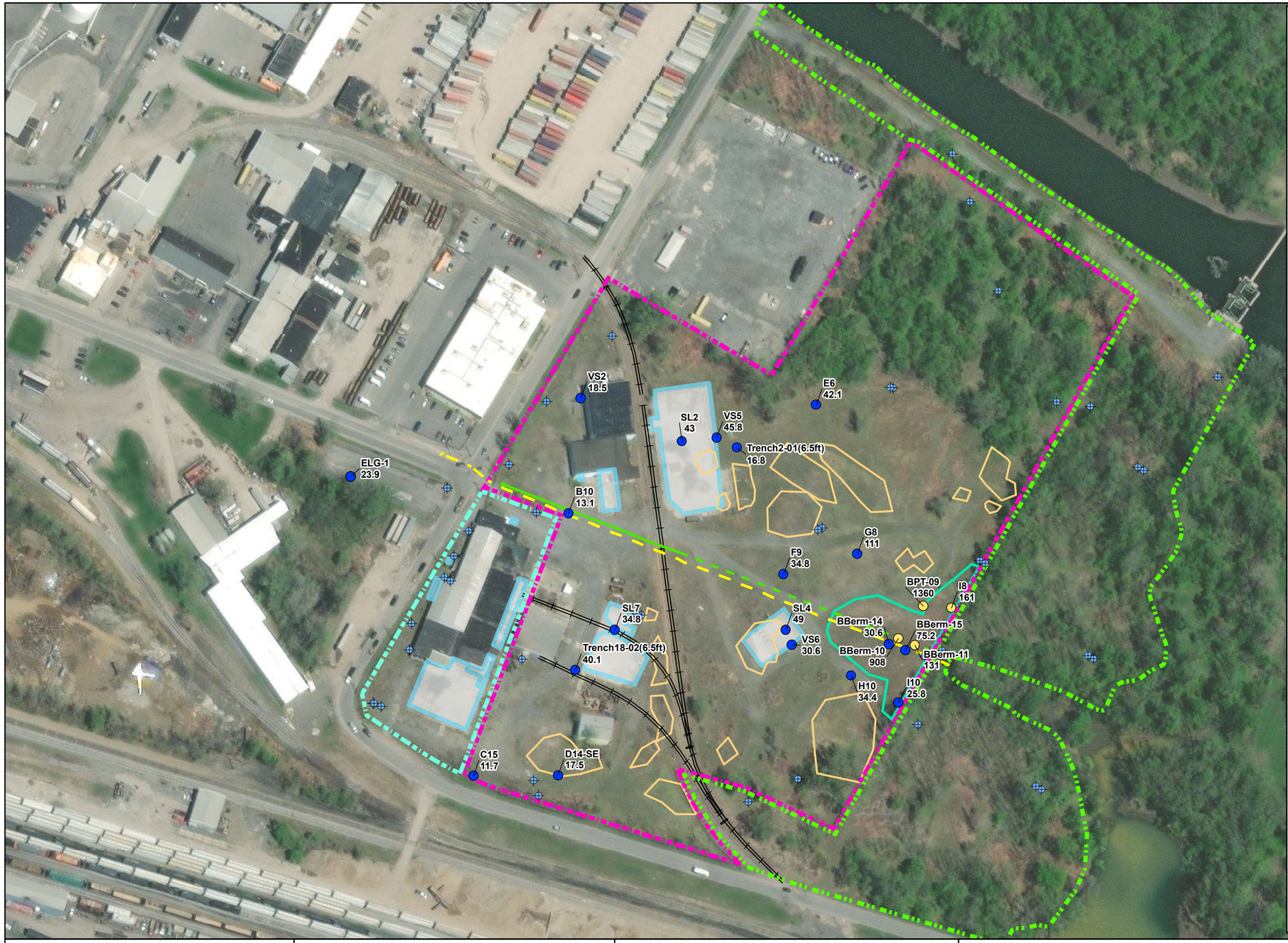
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0 110 220 330 440
Feet

Nickel in Subsurface Soil
(4' to 6')

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

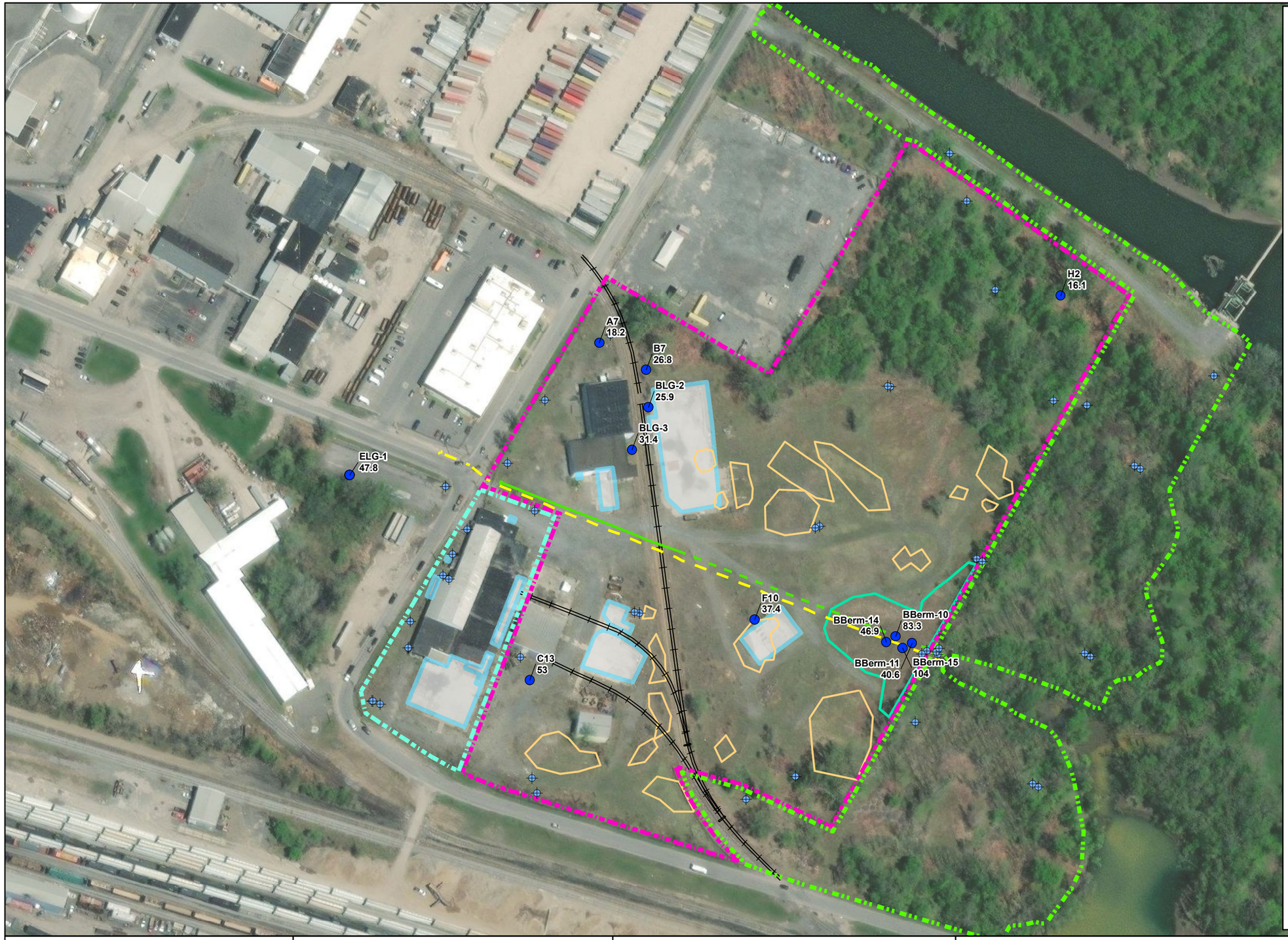
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0 110 220 330 440
Feet

Nickel in Subsurface Soil
(6' to 8')

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(8' to 10')

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(10' to 12')

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(12' to 14')

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(14' to 16')

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LEGEND

Nickel Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 130 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

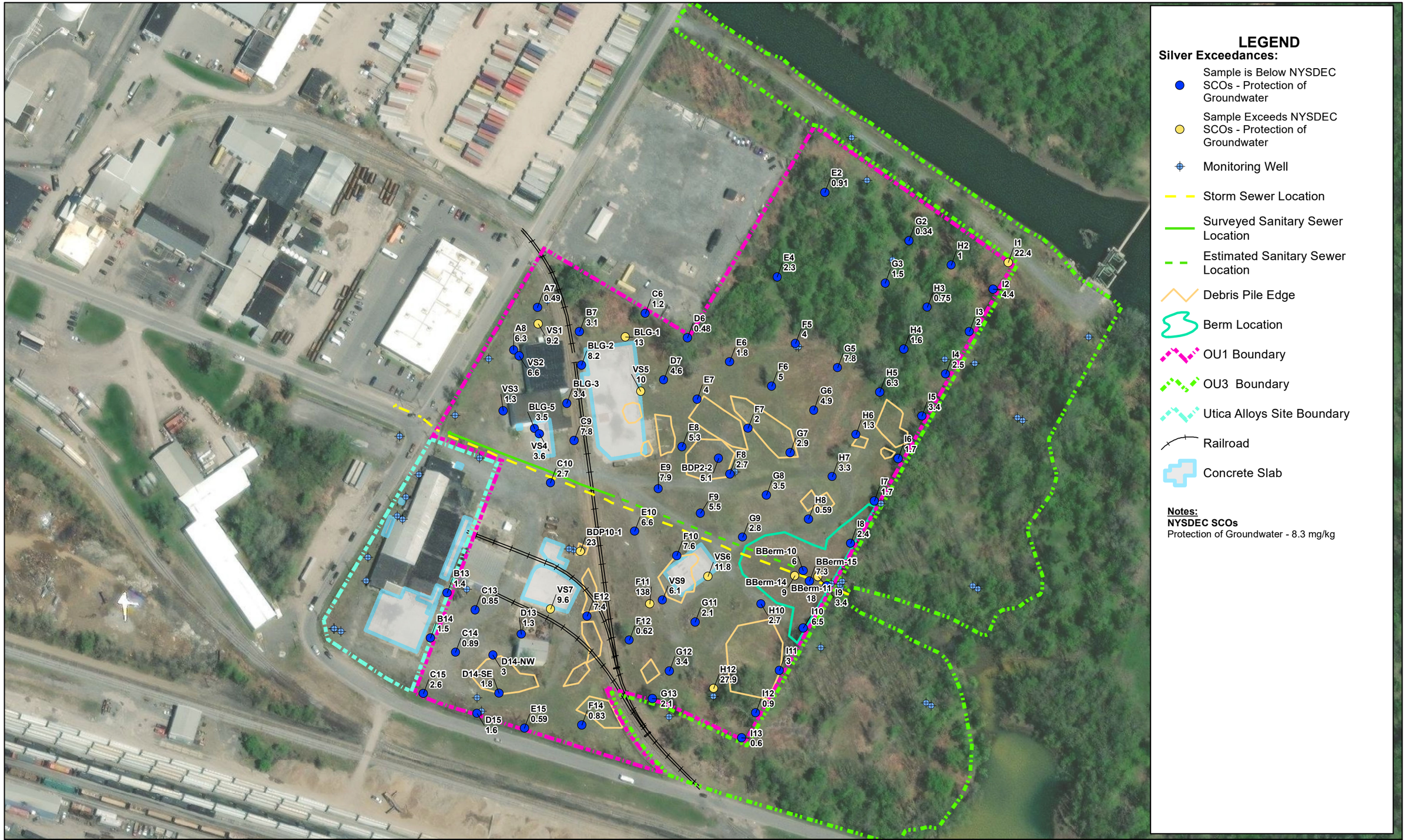
N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(18' to 20')

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LEGEND

Silver Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 8.3 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

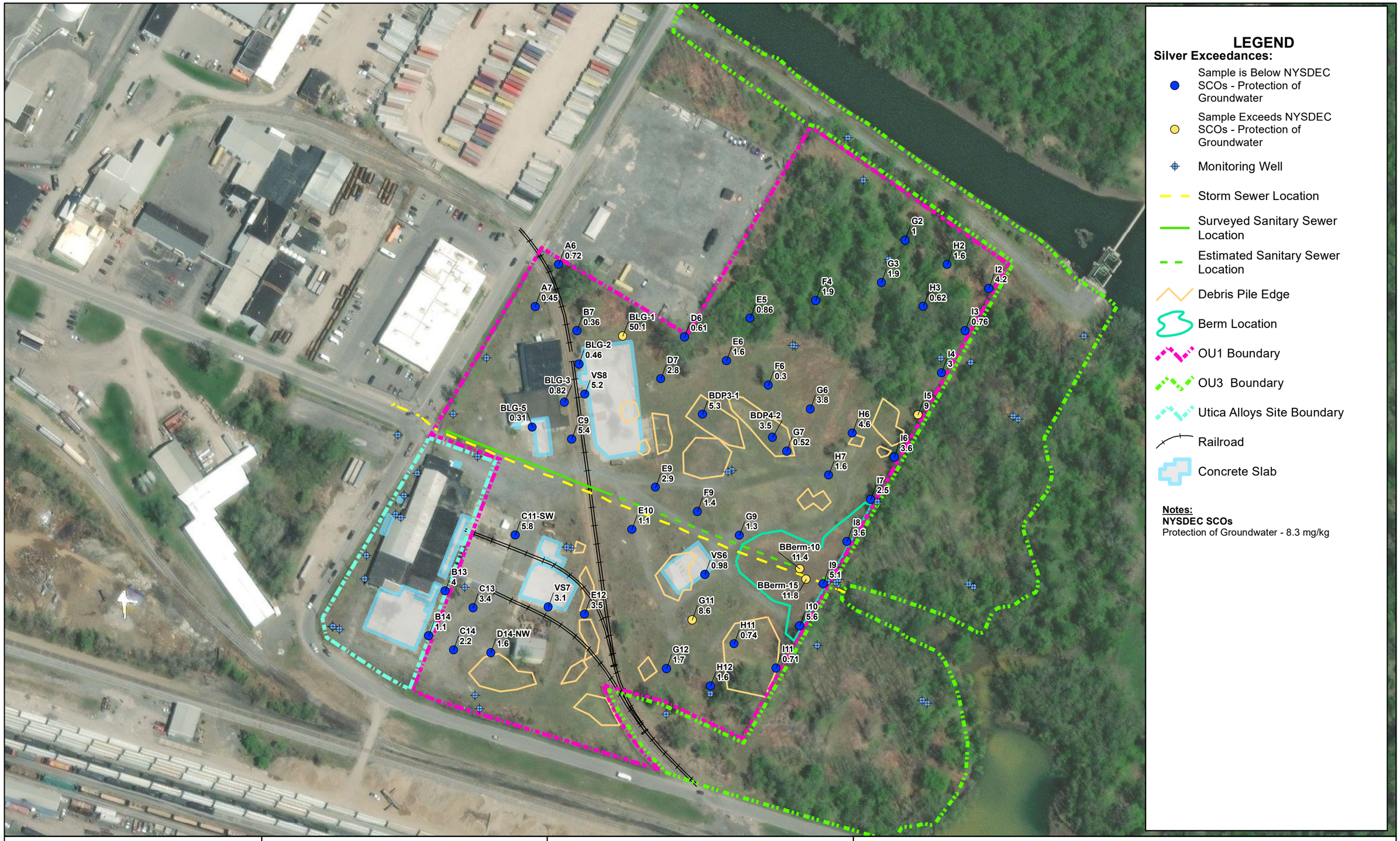
N

0 110 220 330 440
Feet

Silver in Surface Soil
(0 to 2")

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LEGEND

Silver Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 8.3 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Silver in Subsurface Soil
(2" to 2')

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LEGEND

Silver Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 8.3 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

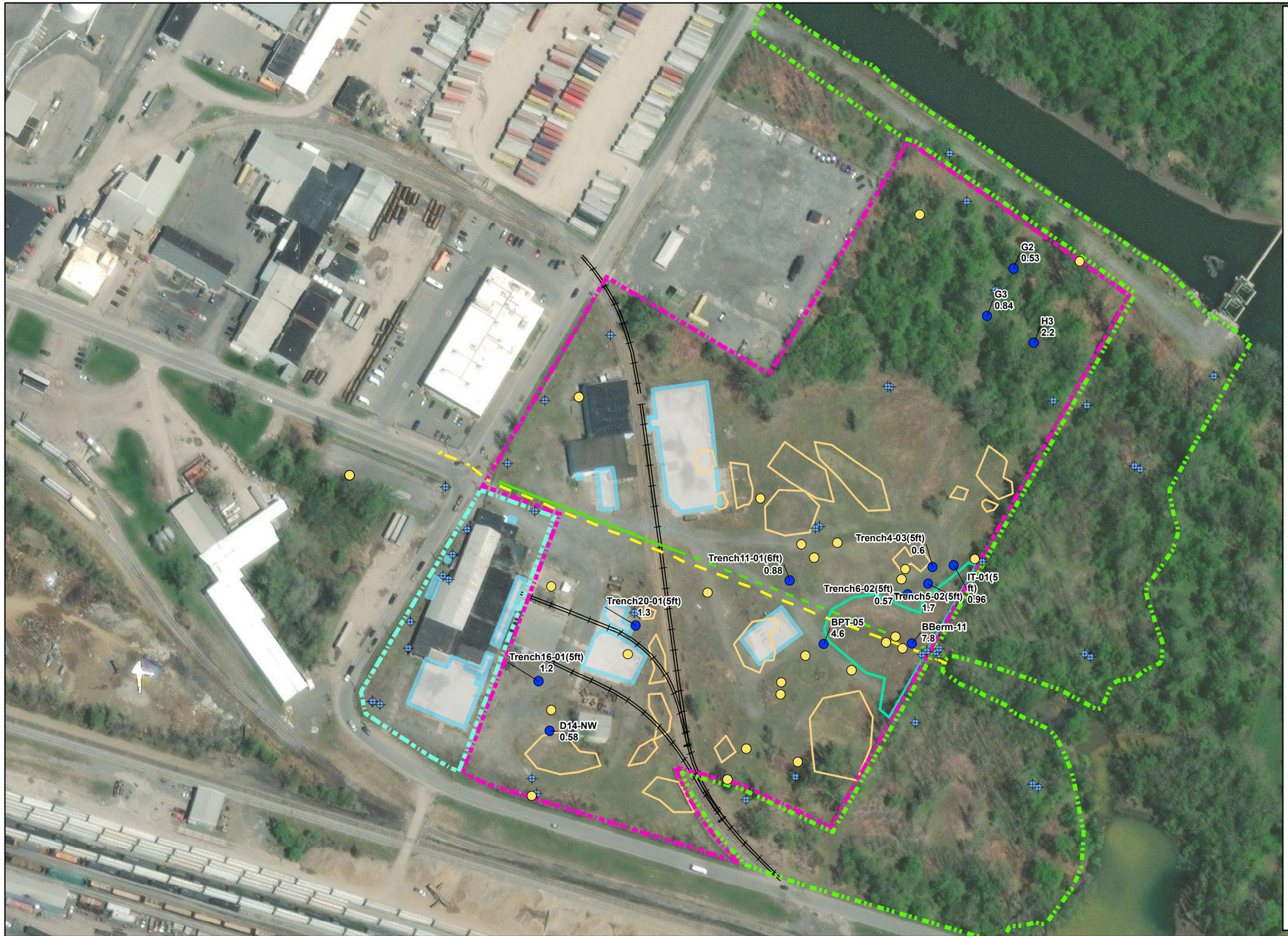
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0 110 220 330 440
Feet

Silver in Subsurface Soil
(2' to 4')

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LEGEND

Silver Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 8.3 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Silver in Subsurface Soil
(4' to 6')

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LEGEND

Silver Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 8.3 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Silver in Subsurface Soil
(6' to 8')

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LEGEND

Silver Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 8.3 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

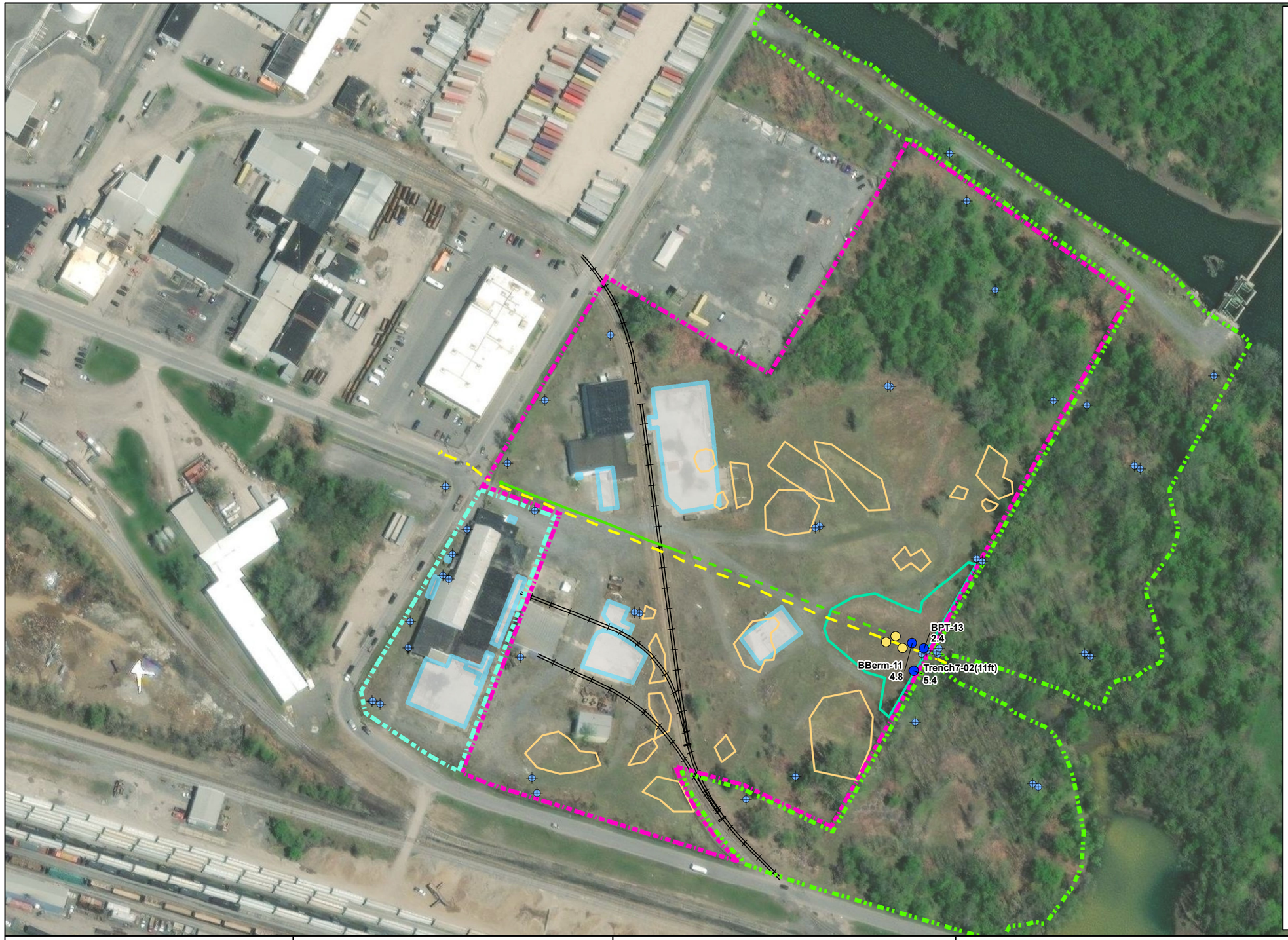
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Feet

Silver in Subsurface Soil
(8' to 10')

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LEGEND

Silver Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 8.3 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

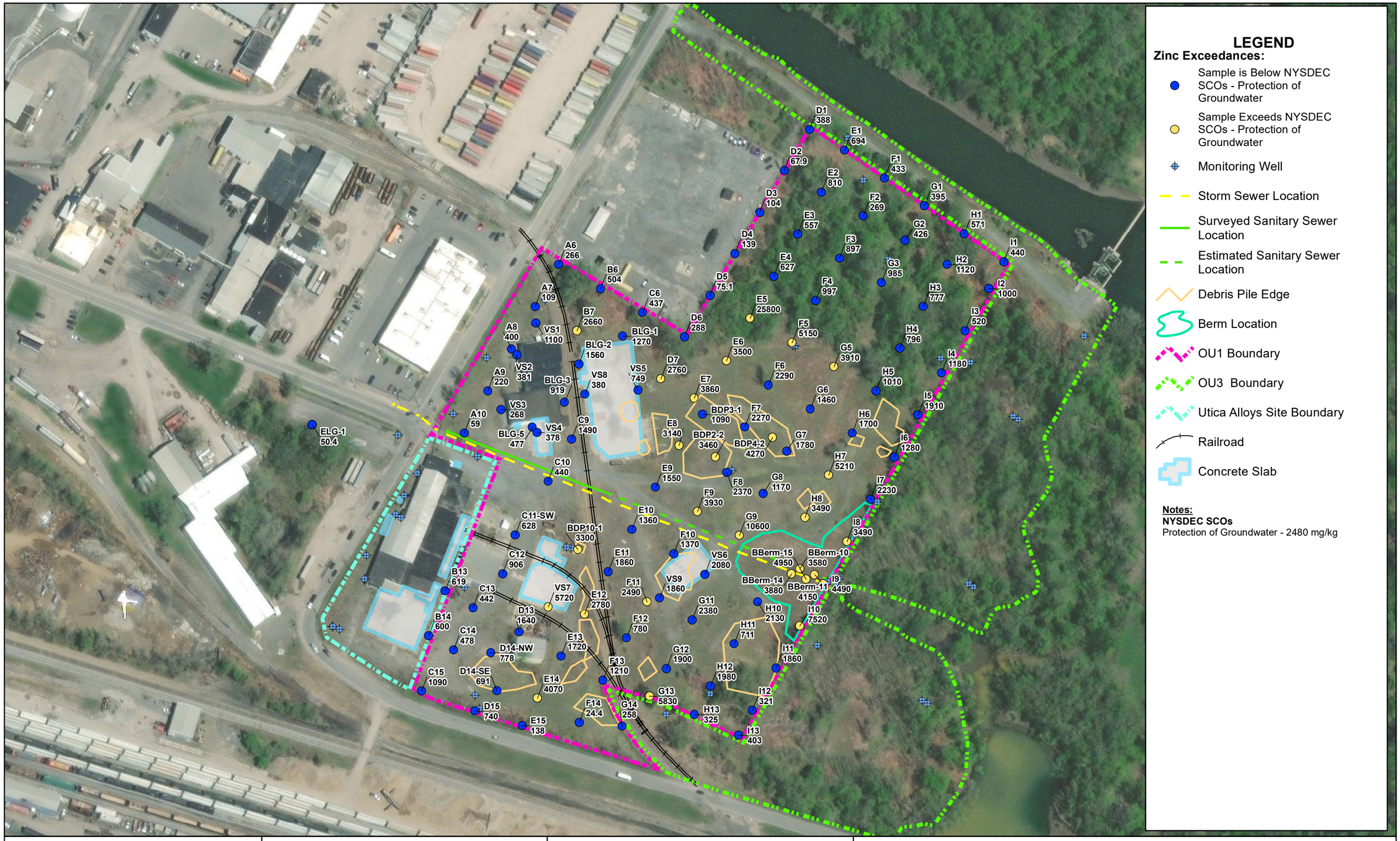
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Feet

Silver in Subsurface Soil
(10' to 12')

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LEGEND

Zinc Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2480 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

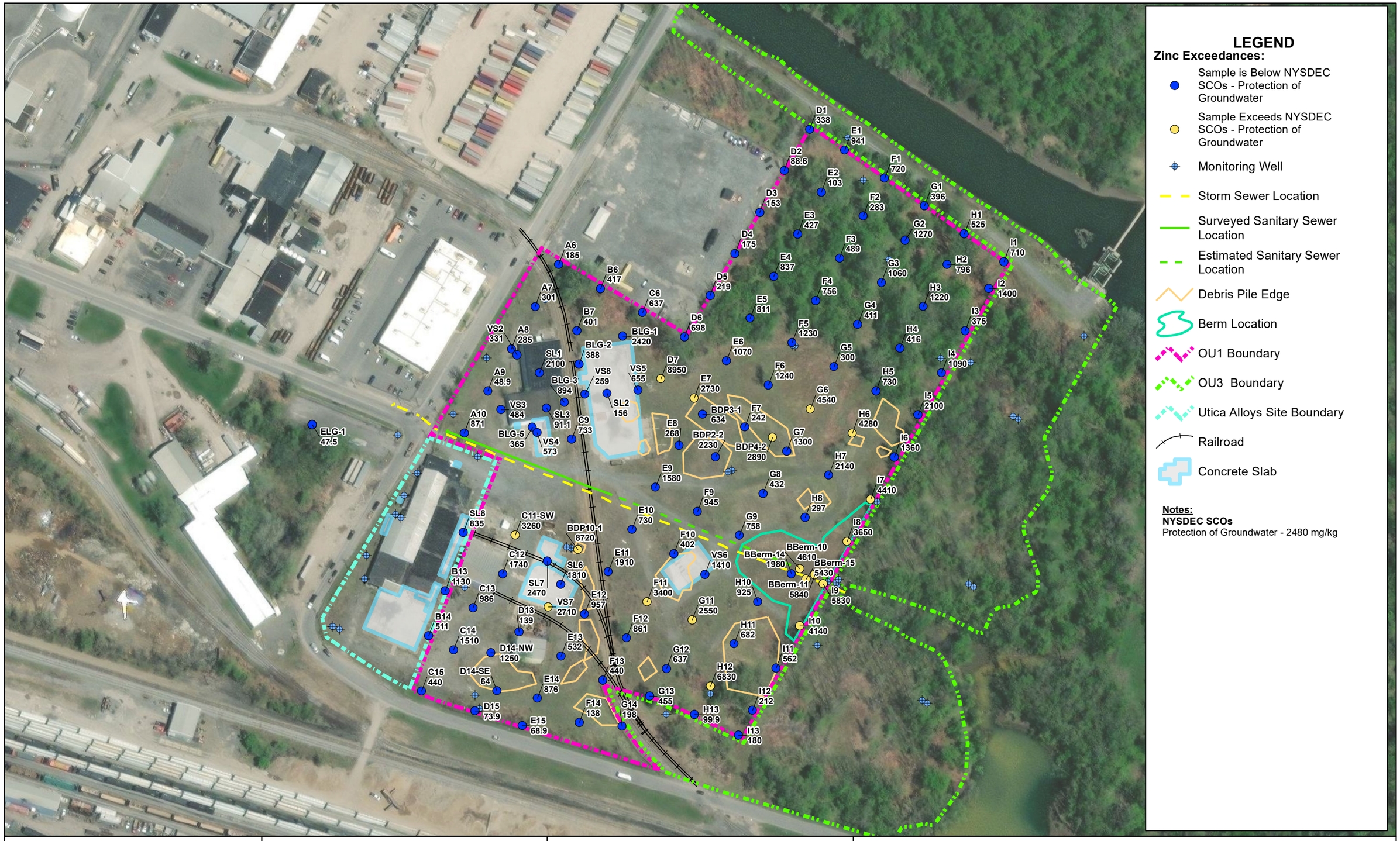
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Feet

Zinc in Surface Soil
(0 to 2")

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LEGEND

Zinc Exceedances:

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- Monitoring Well
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- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2480 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

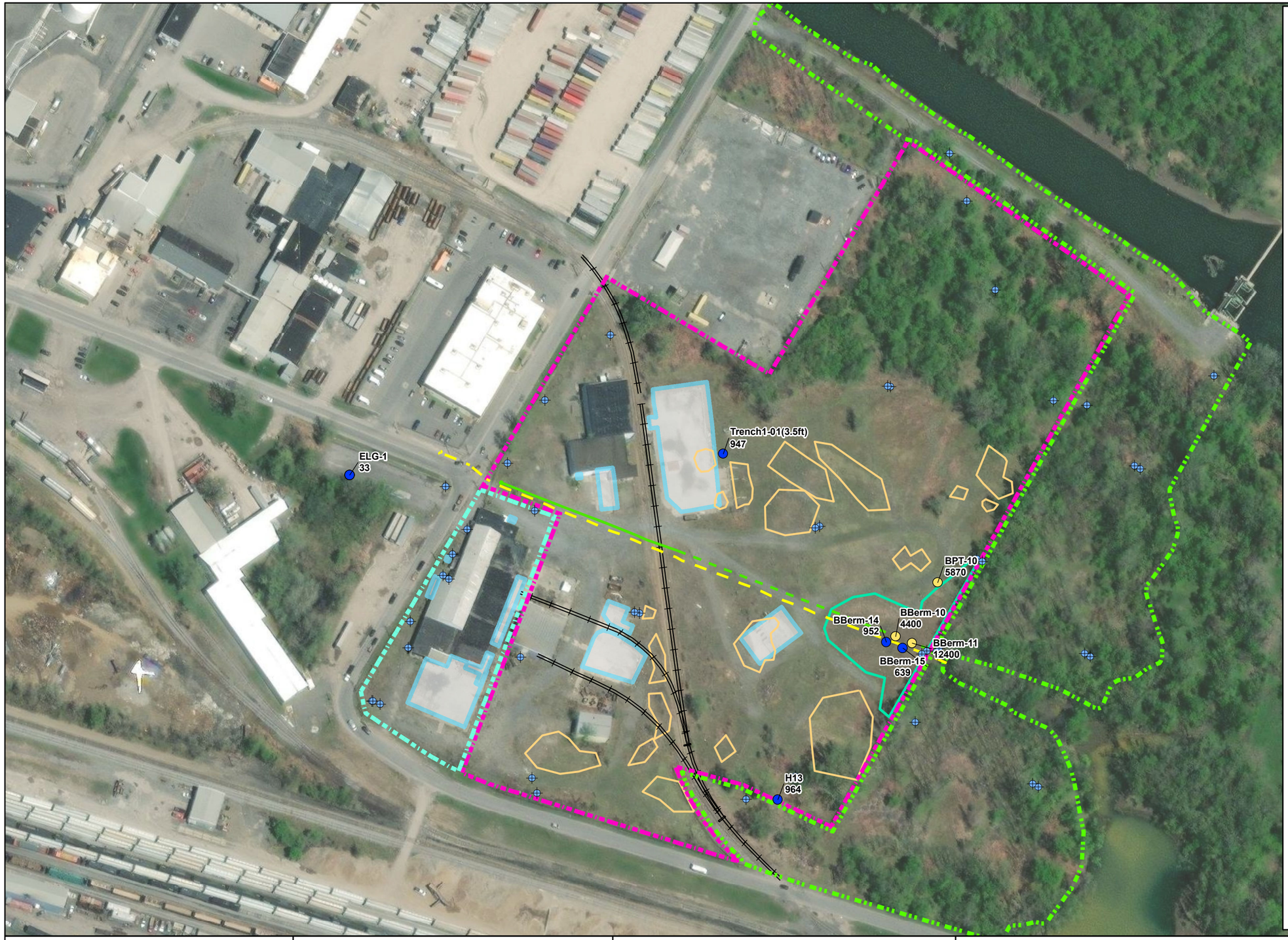
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0 110 220 330 440
Feet

Zinc in Subsurface Soil
(2" to 2')

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LEGEND

Zinc Exceedances:

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- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2480 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

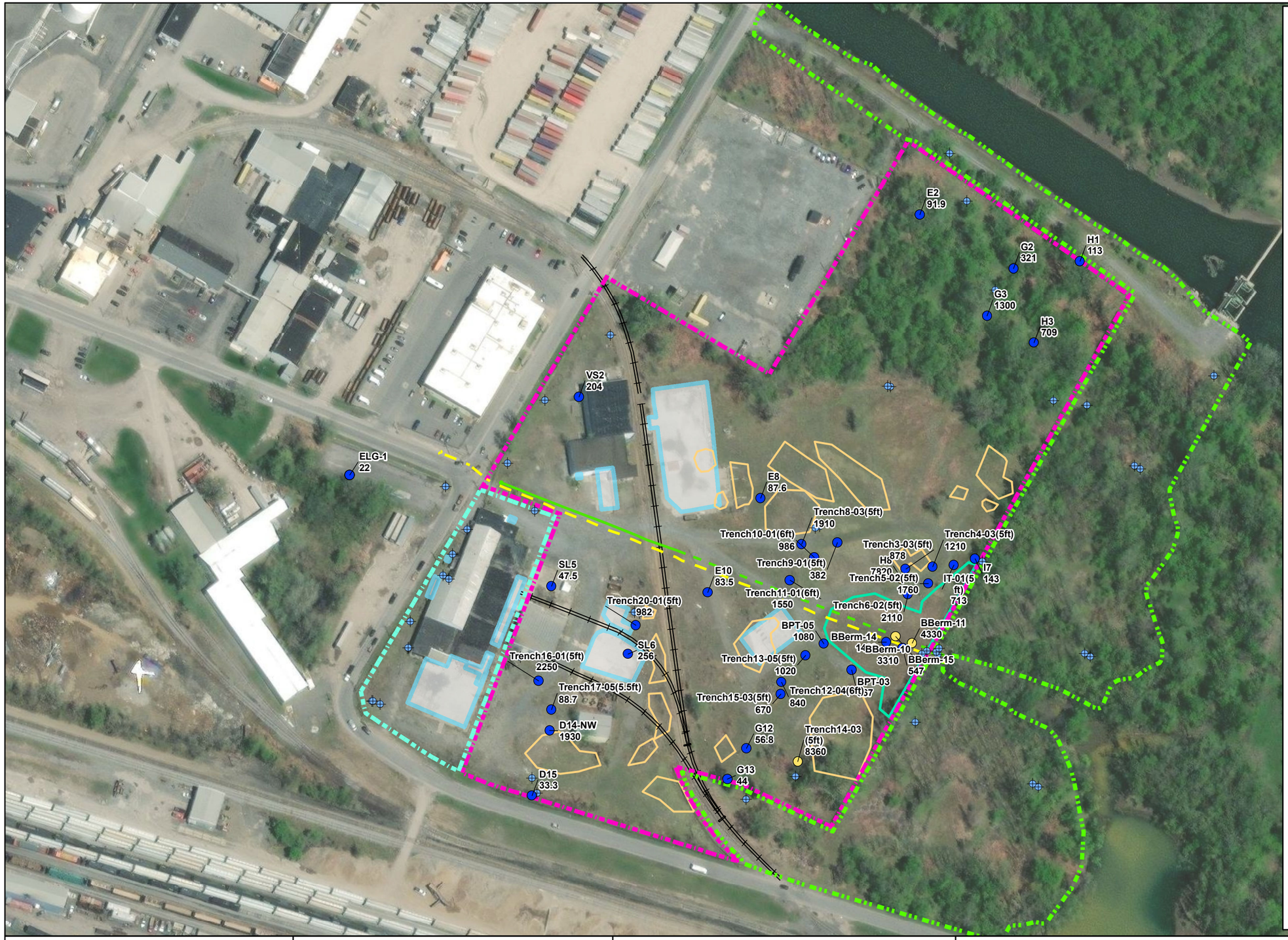
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0 110 220 330 440
Feet

Zinc in Subsurface Soil
(2' to 4')

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LEGEND

Zinc Exceedances:

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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2480 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

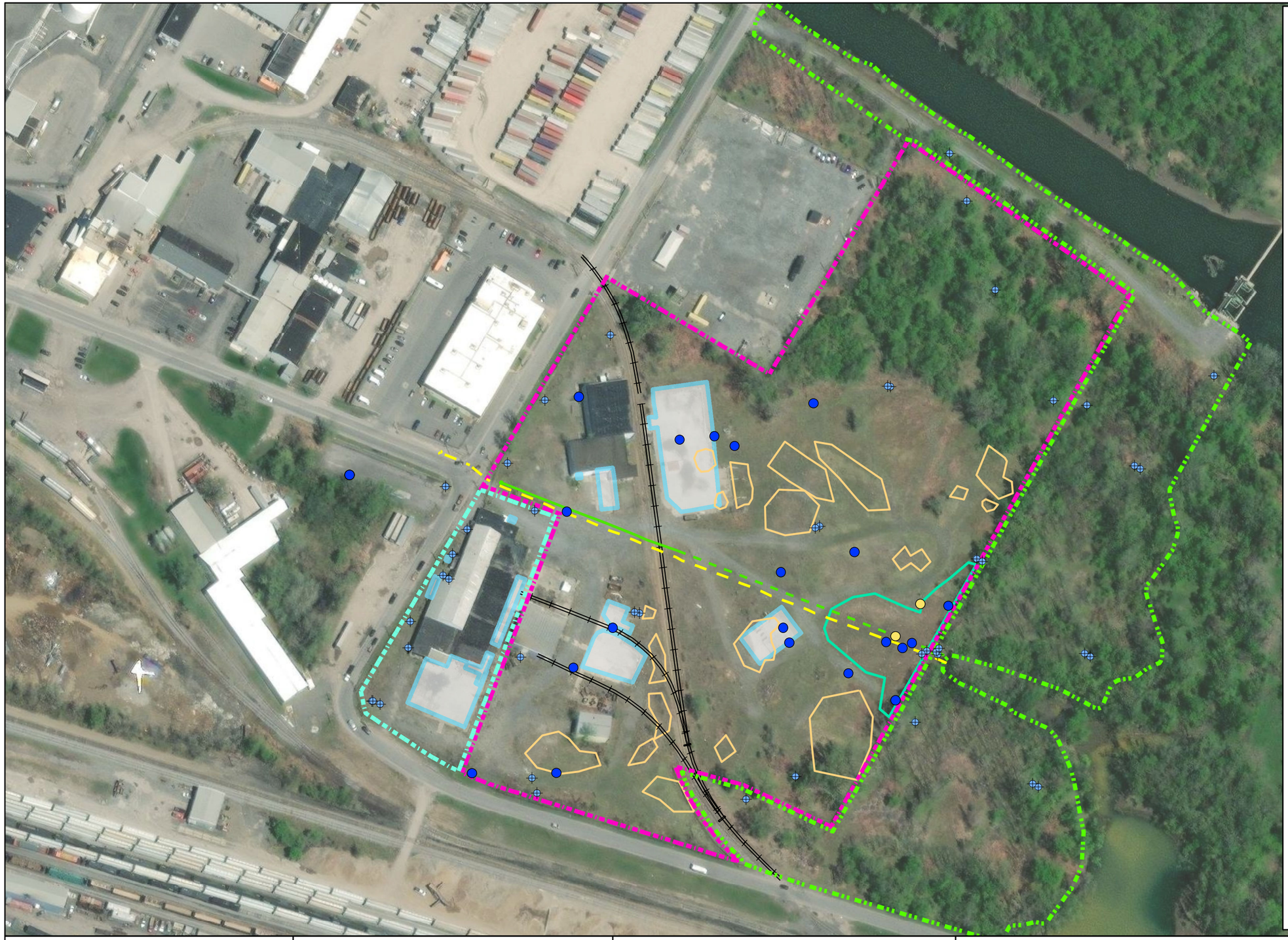
N

0 110 220 330 440
Feet

Zinc in Subsurface Soil
(4' to 6')

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LEGEND

Zinc Exceedances:

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- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2480 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

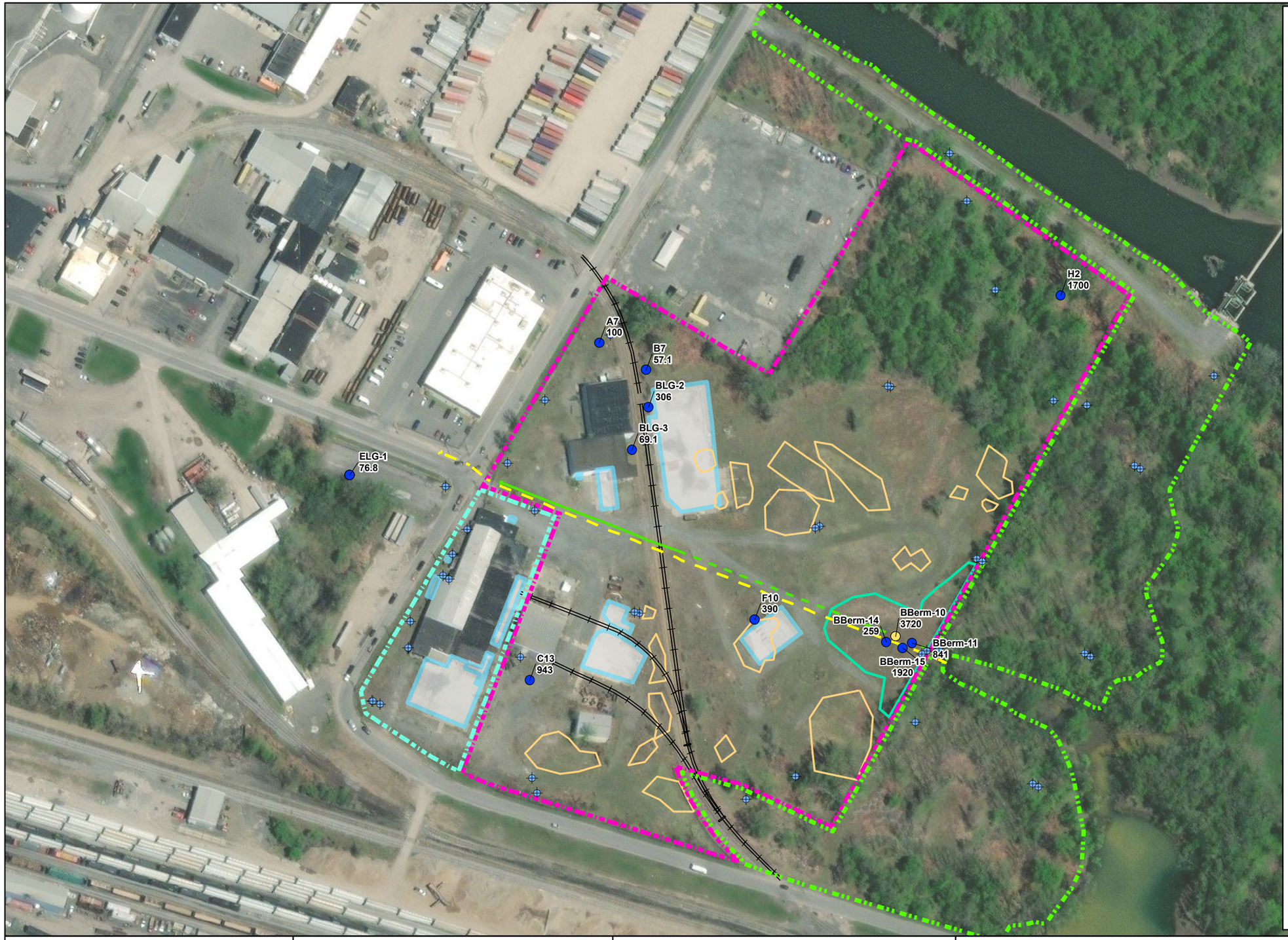
N

0 110 220 330 440
Feet

Zinc in Subsurface Soil
(6' to 8')

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LEGEND

Zinc Exceedances:

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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2480 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Zinc in Subsurface Soil
(8' to 10')

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LEGEND

Zinc Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
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- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2480 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

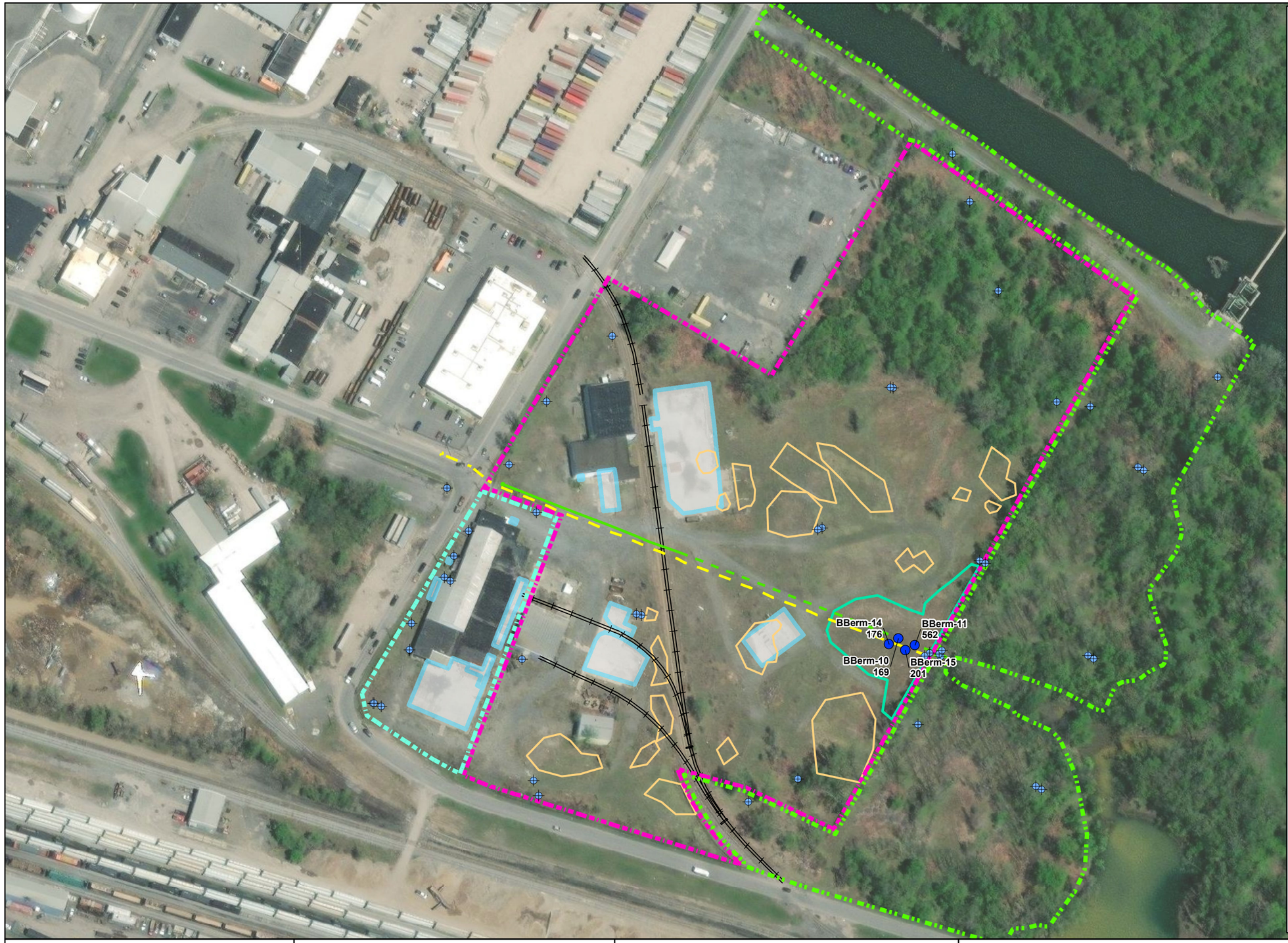
N

0 110 220 330 440
Feet

Zinc in Subsurface Soil
(10' to 12')

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LEGEND

Zinc Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
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- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2480 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Zinc in Subsurface Soil
(12' to 14')

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LEGEND

Zinc Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 2480 mg/kg

EHS Support℠

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UTICA, NEW YORK

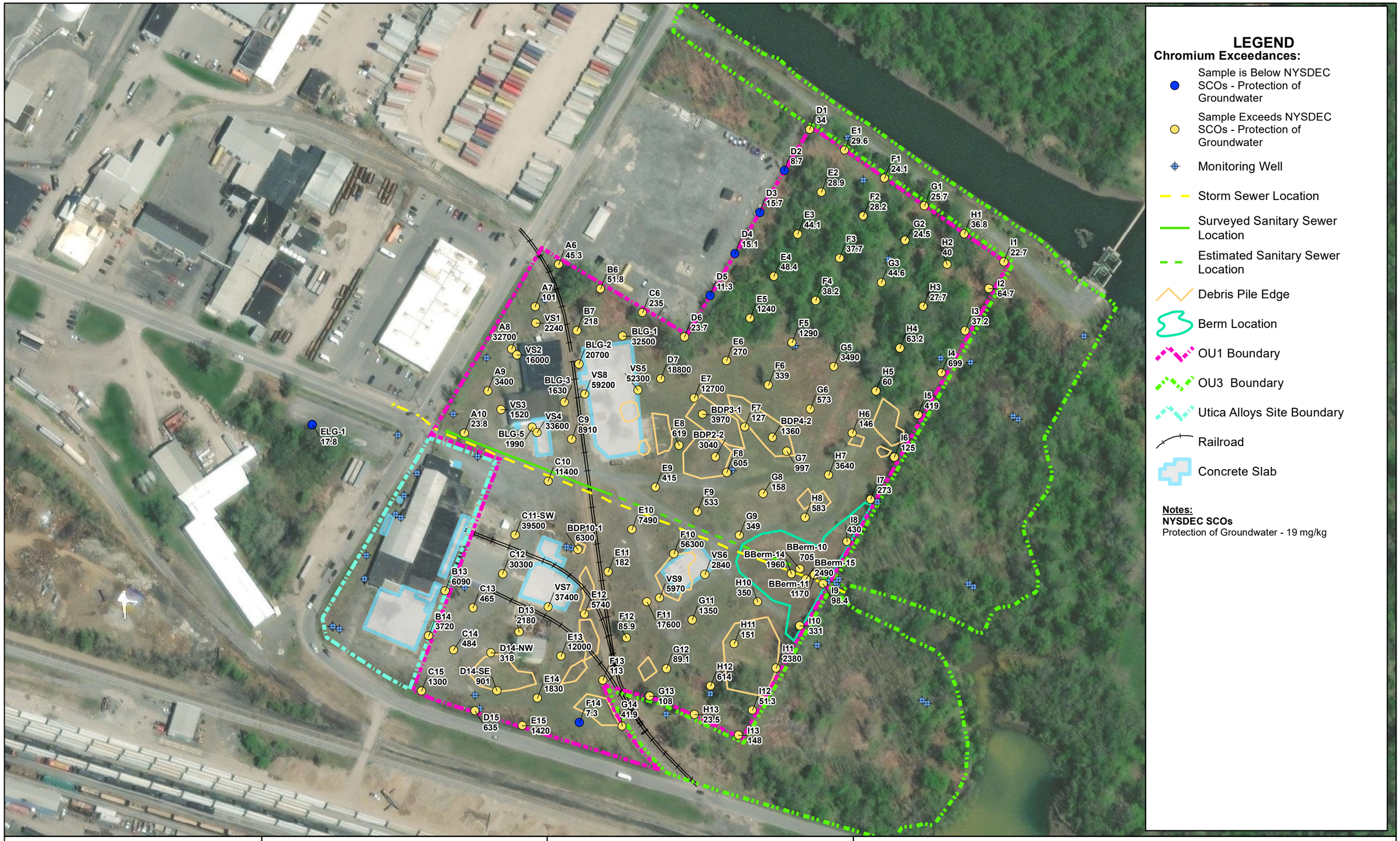
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Feet

Zinc in Subsurface Soil
(14' to 16')

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

EHS Support℠

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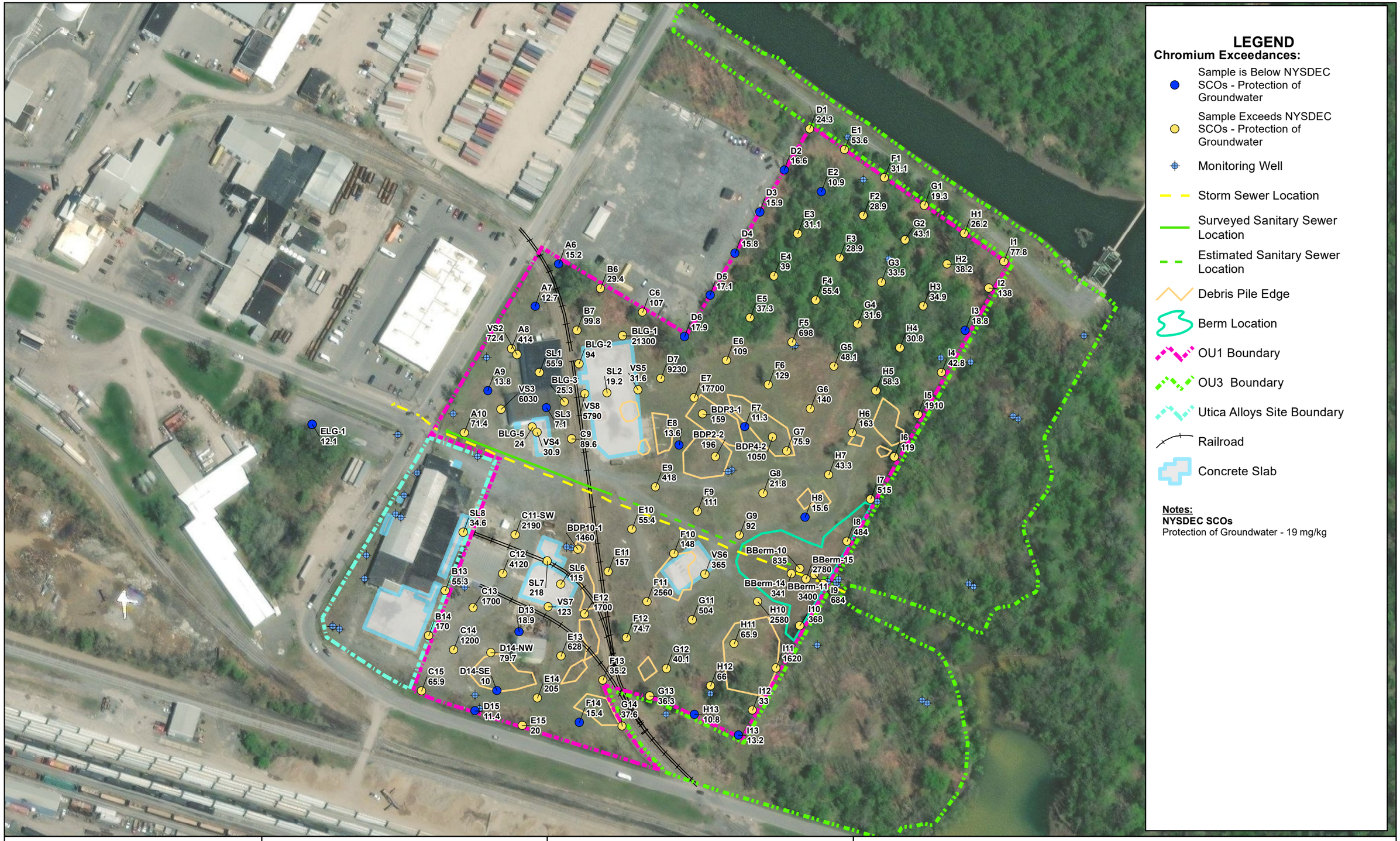
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Feet

Chromium in Surface Soil
(0 to 2")

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

EHS Support℠

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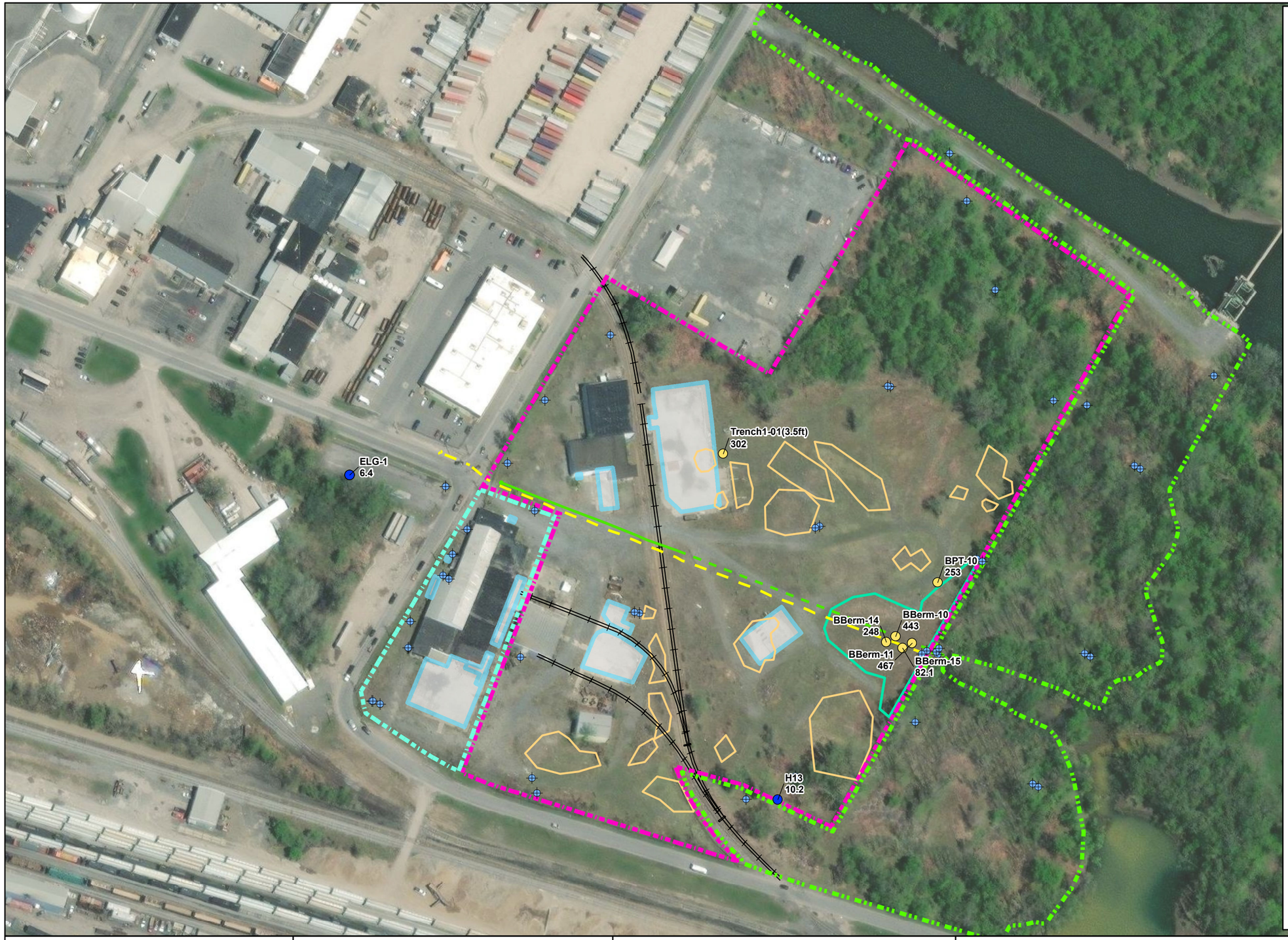
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Feet

Chromium in Subsurface Soil
(2" to 2')

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

EHS Support

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UTICA, NEW YORK

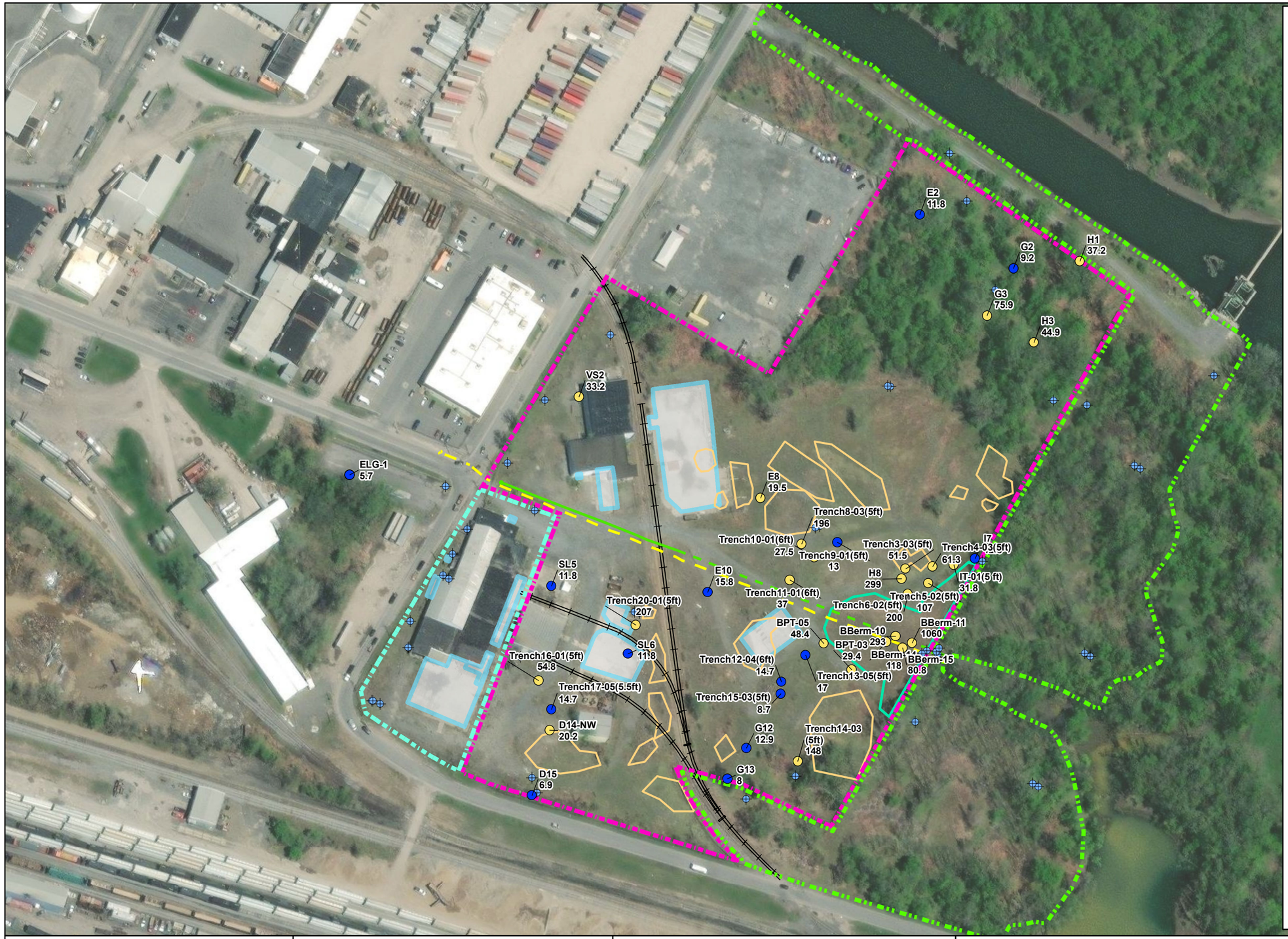
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Feet

Chromium in Subsurface Soil
(2' to 4')

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

EHS Support℠

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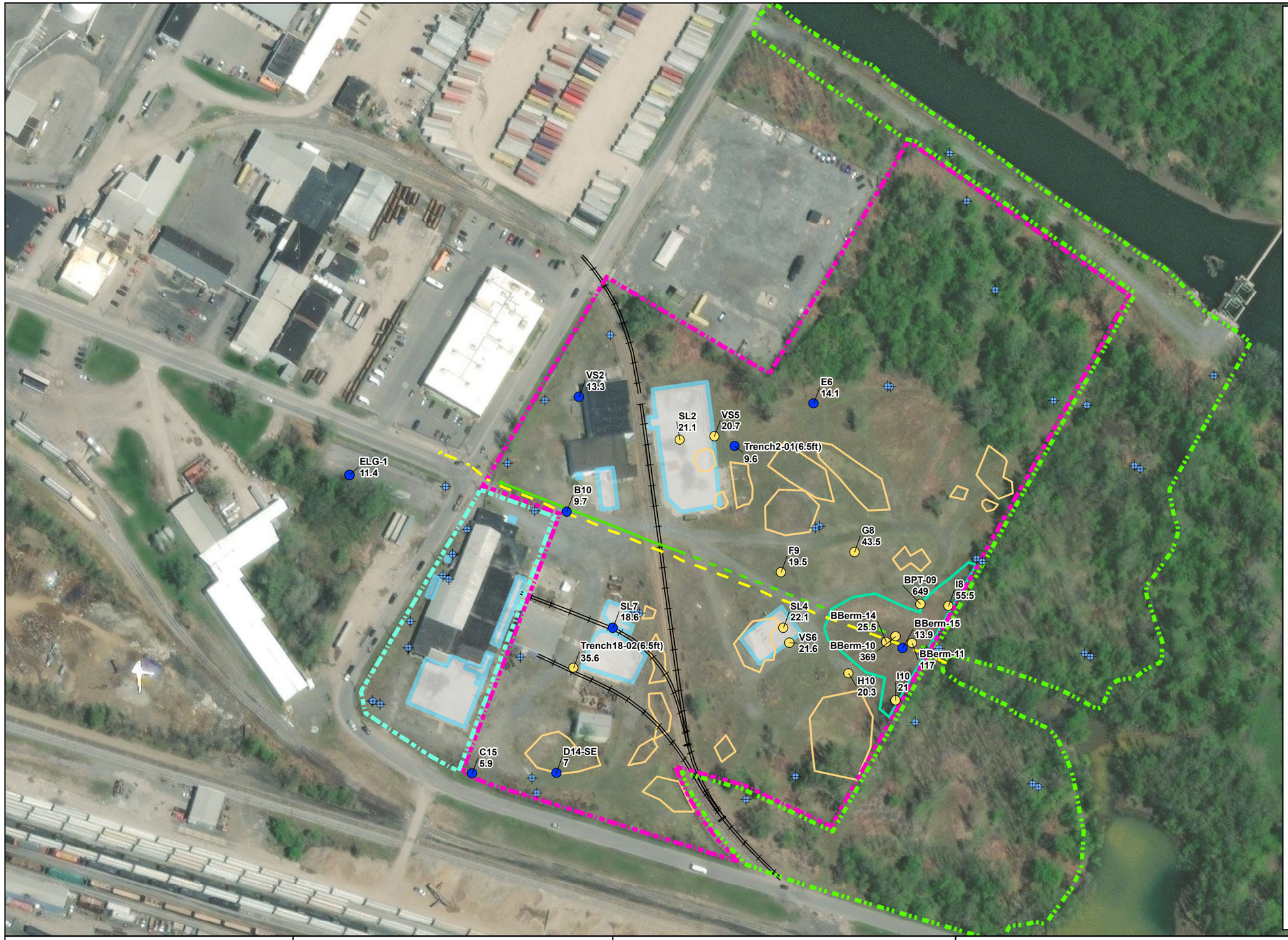
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0 110 220 330 440
Feet

Chromium in Subsurface Soil
(4' to 6')

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

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N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(6' to 8')

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

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N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(8' to 10')

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

EHS Support

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N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(10' to 12')

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

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N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(12' to 14')

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

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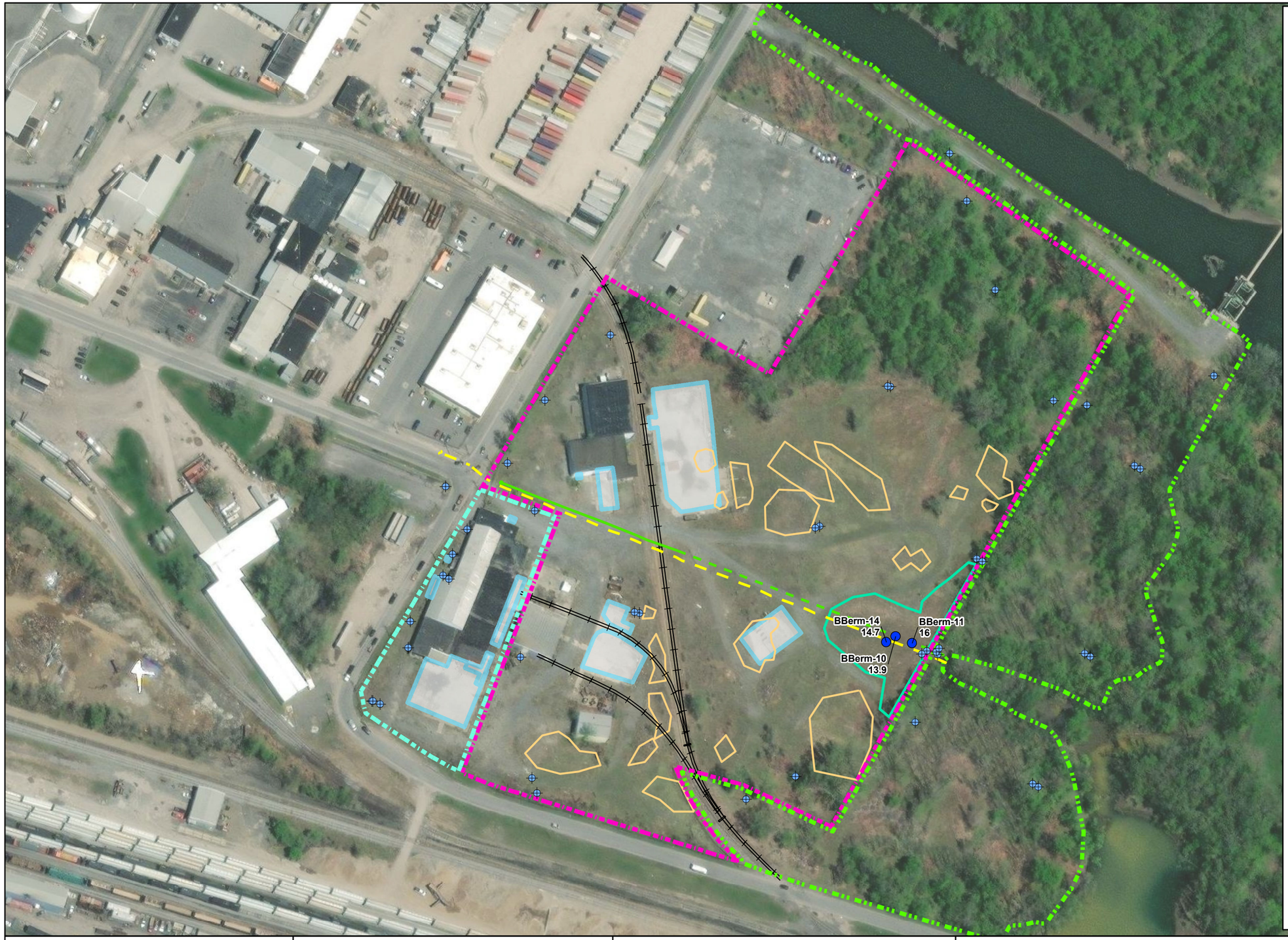
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Feet

Chromium in Subsurface Soil
(14' to 16')

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LEGEND

Chromium Exceedances:

- Sample is Below NYSDEC SCOs - Protection of Groundwater
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Groundwater - 19 mg/kg

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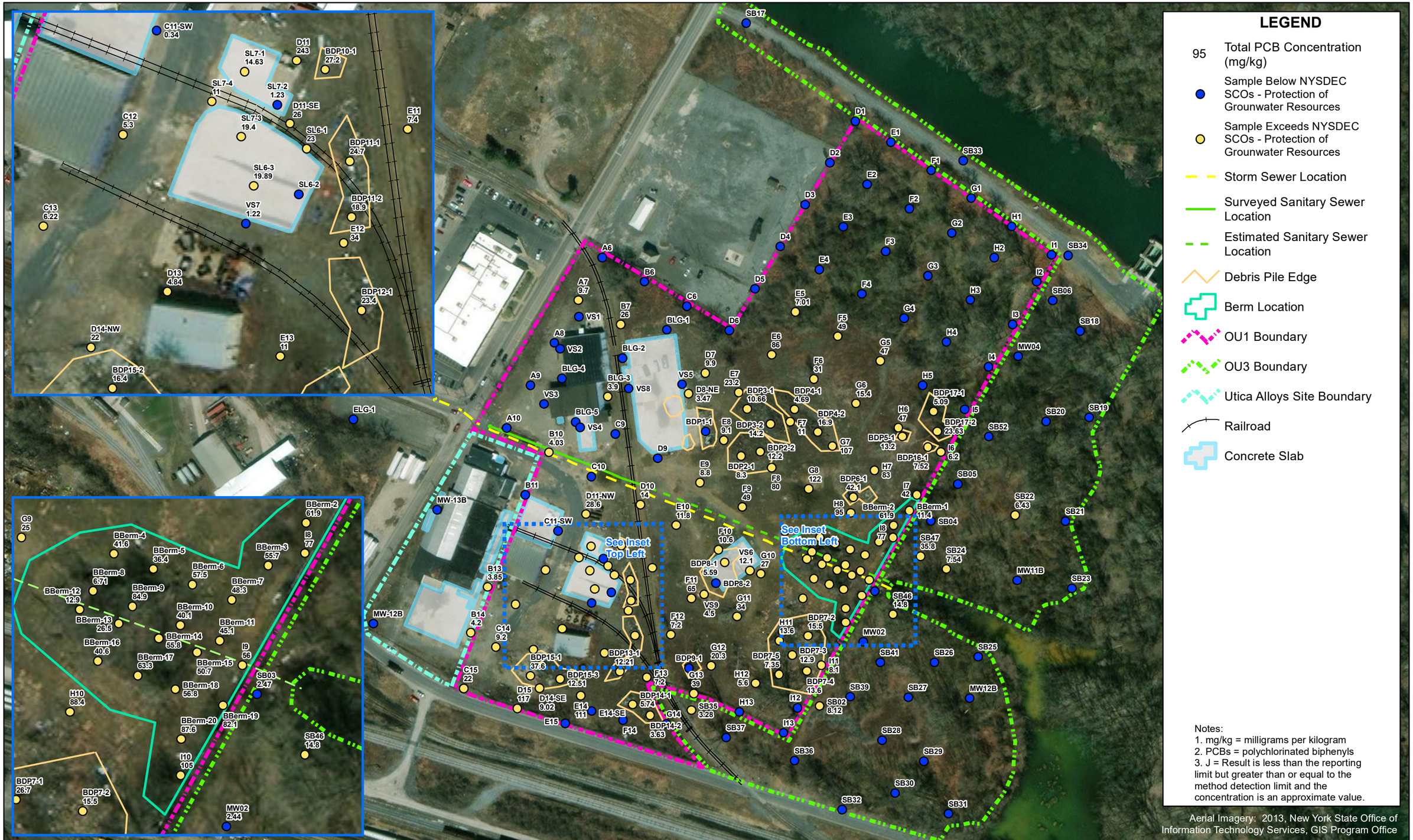
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Feet

Chromium in Subsurface Soil
(18' to 20')

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FIGURE 1
Total PCBs in Surface Soil
(0-2")

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N

0 110 220 330 440
Feet

FIGURE 2
Total PCBs in Surface Soil
(2"-1')

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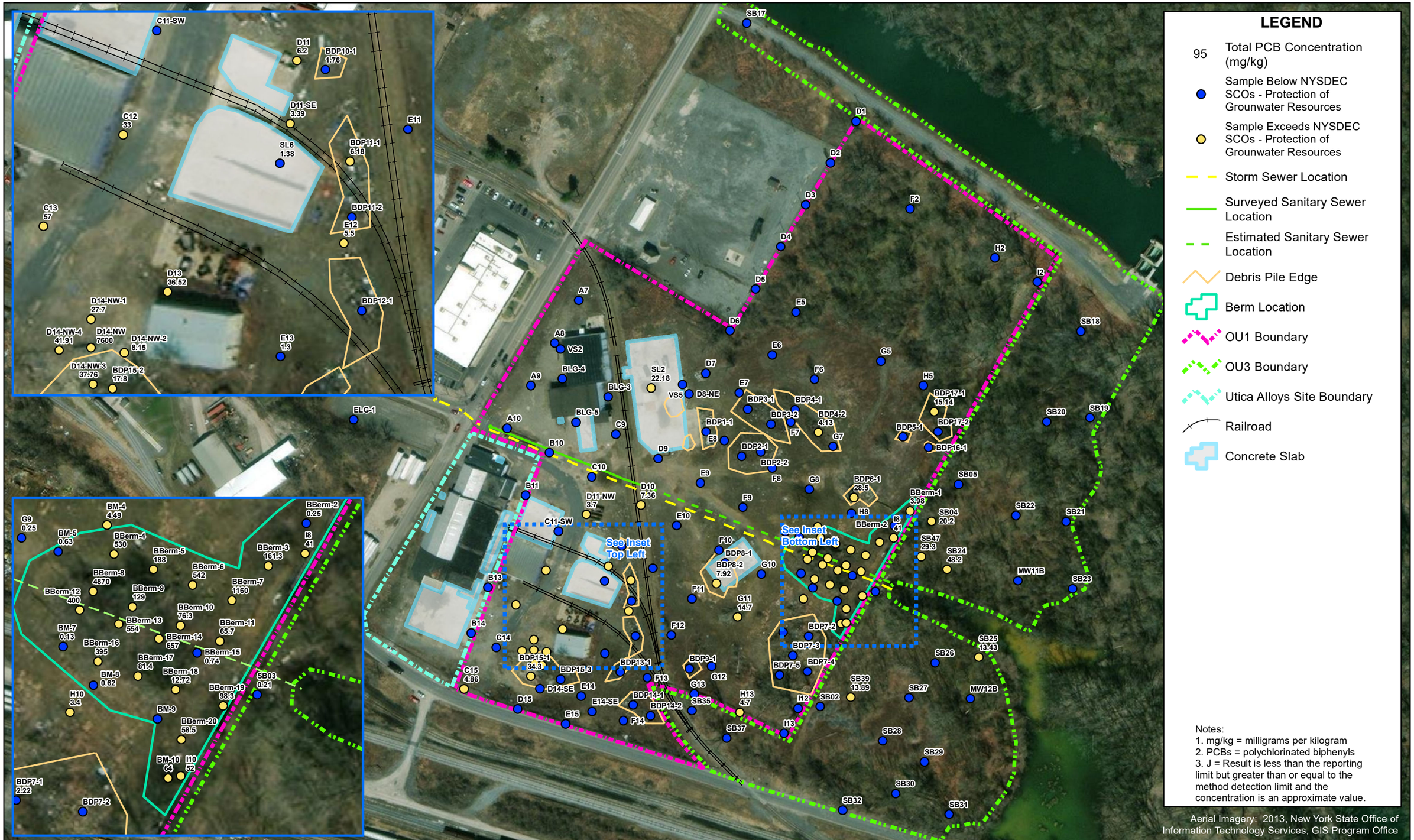
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Feet

FIGURE 3
Total PCBs in Subsurface Soil
(1'-2')

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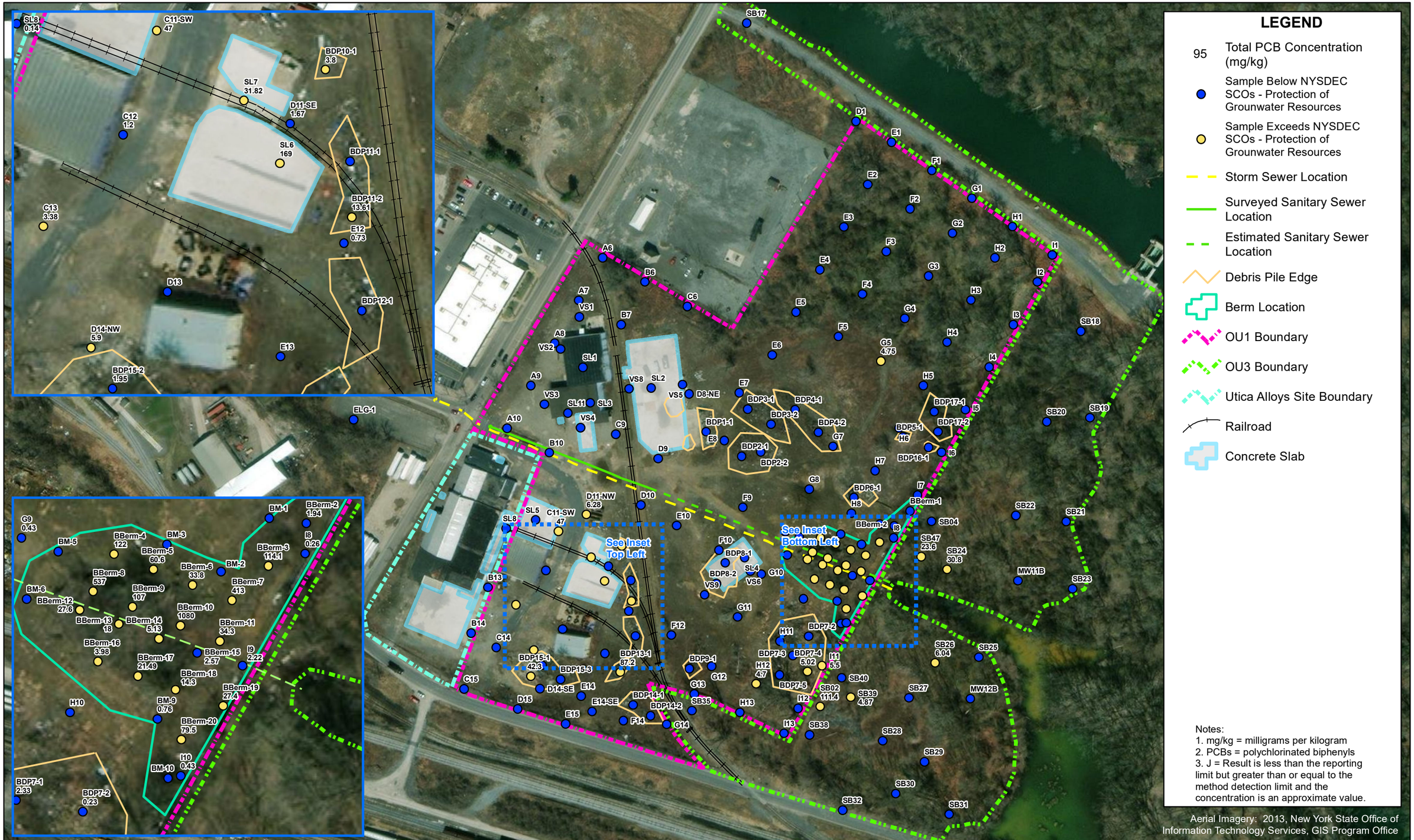
N

0 110 220 330 440
Feet

FIGURE 4
Total PCBs in Subsurface Soil
(2'-4')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Grounwater Resources
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office

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FIGURE 5
Total PCBs in Subsurface Soil (4'-6')

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N

0 110 220 330 440
Feet

FIGURE 6
Total PCBs in Subsurface Soil
(6'-8')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Grounwater Resources
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office

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0 110 220 330 440
Feet

FIGURE 7
Total PCBs in Subsurface Soil (8'-10')

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0 110 220 330 440
Feet

FIGURE 8
Total PCBs in Suubsrface Soil (10'-12')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Grounwater Resources
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office

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N

0 110 220 330 440
Feet

FIGURE 9
Total PCBs in Subsrface Soil (12'-14')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Grounwater Resources
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office

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N

0 110 220 330 440
Feet

FIGURE 10
Total PCBs in Subsrface Soil (14'-16')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Grounwater Resources
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office

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N

0 110 220 330 440
Feet

FIGURE 11
Total PCBs in Subsrface Soil (16'-18')

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N

0 110 220 330 440
Feet

FIGURE 12
Total PCBs in Subsrface Soil
(18'-10')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_GW.mxd

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DRAFT

LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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N

0 110 220 330 440
Feet

Figure 13
SVOCs in Surface Soil
(0' to 2")

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DRAFT

LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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N

0 110 220 330 440
Feet

Figure 14
SVOCs in Subsurface Soil
(2" to 2')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220908_SoilFigureECO_GW.mxd

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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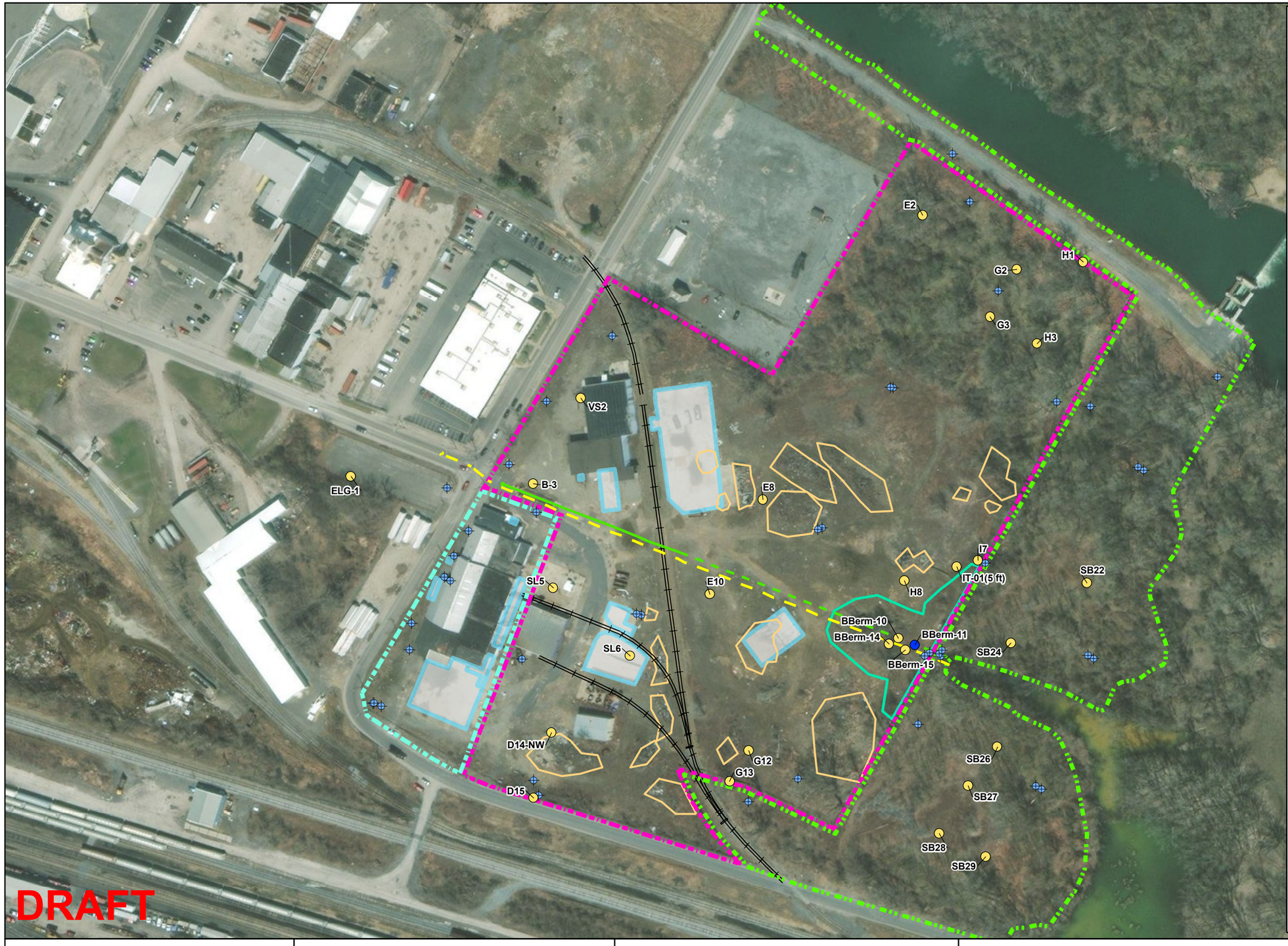
N

0 110 220 330 440
Feet

Figure 15
SVOCs in Subsurface Soil
(2' to 4')

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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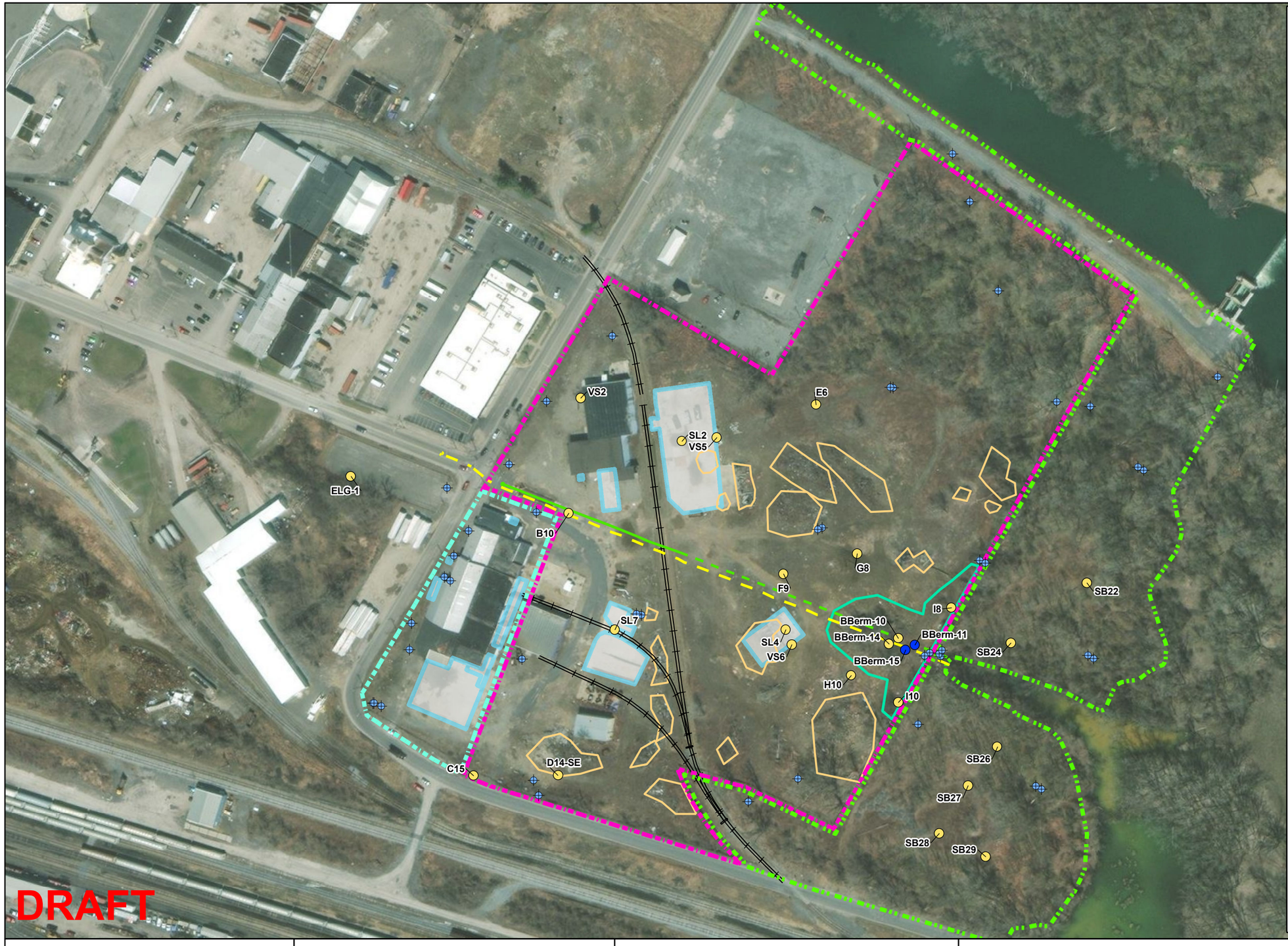
N

0 110 220 330 440
Feet

Figure 16
SVOCs in Subsurface Soil
(4' to 6')

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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N

0 110 220 330 440
Feet

Figure 17
SVOCs in Subsurface Soil
(6' to 8')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220908_SoilFigureECO_GW.mxd

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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UTICA, NEW YORK

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Feet

Figure 18
SVOCs in Subsurface Soil
(8' to 10')

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Figure 19
SVOCs in Subsurface Soil
(10' to 12')

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- Concrete Slab

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Figure 20
SVOCs in Subsurface Soil
(12' to 14')

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- Concrete Slab

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Figure 21
SVOCs in Subsurface Soil
(14' to 16')

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- OU3 Boundary
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- Railroad
- Concrete Slab

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Figure 22
SVOCs in Subsurface Soil
(16' to 18')

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- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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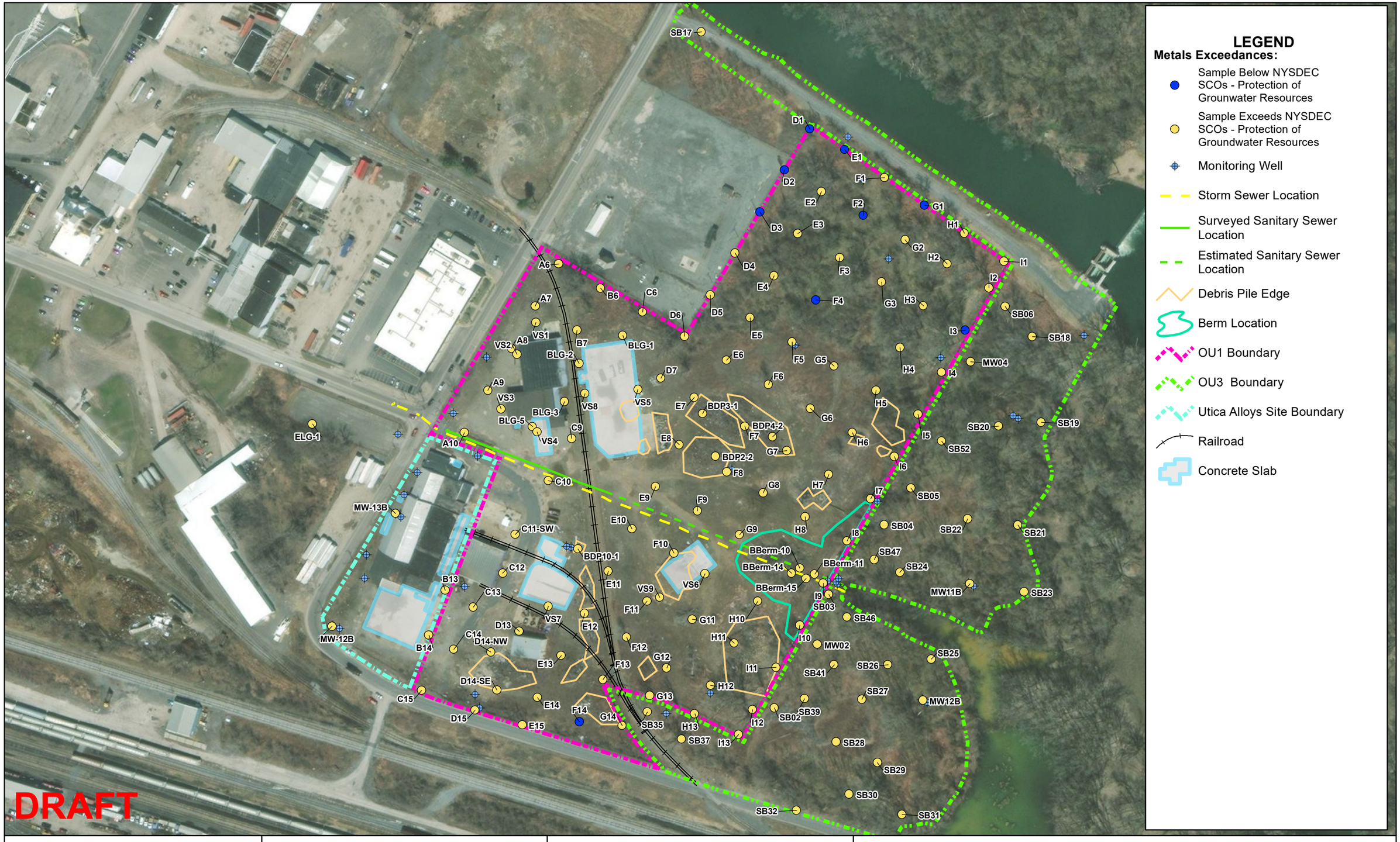
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Figure 23
SVOCs in Subsurface Soil
(18' to 20')

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LEGEND

Metals Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
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- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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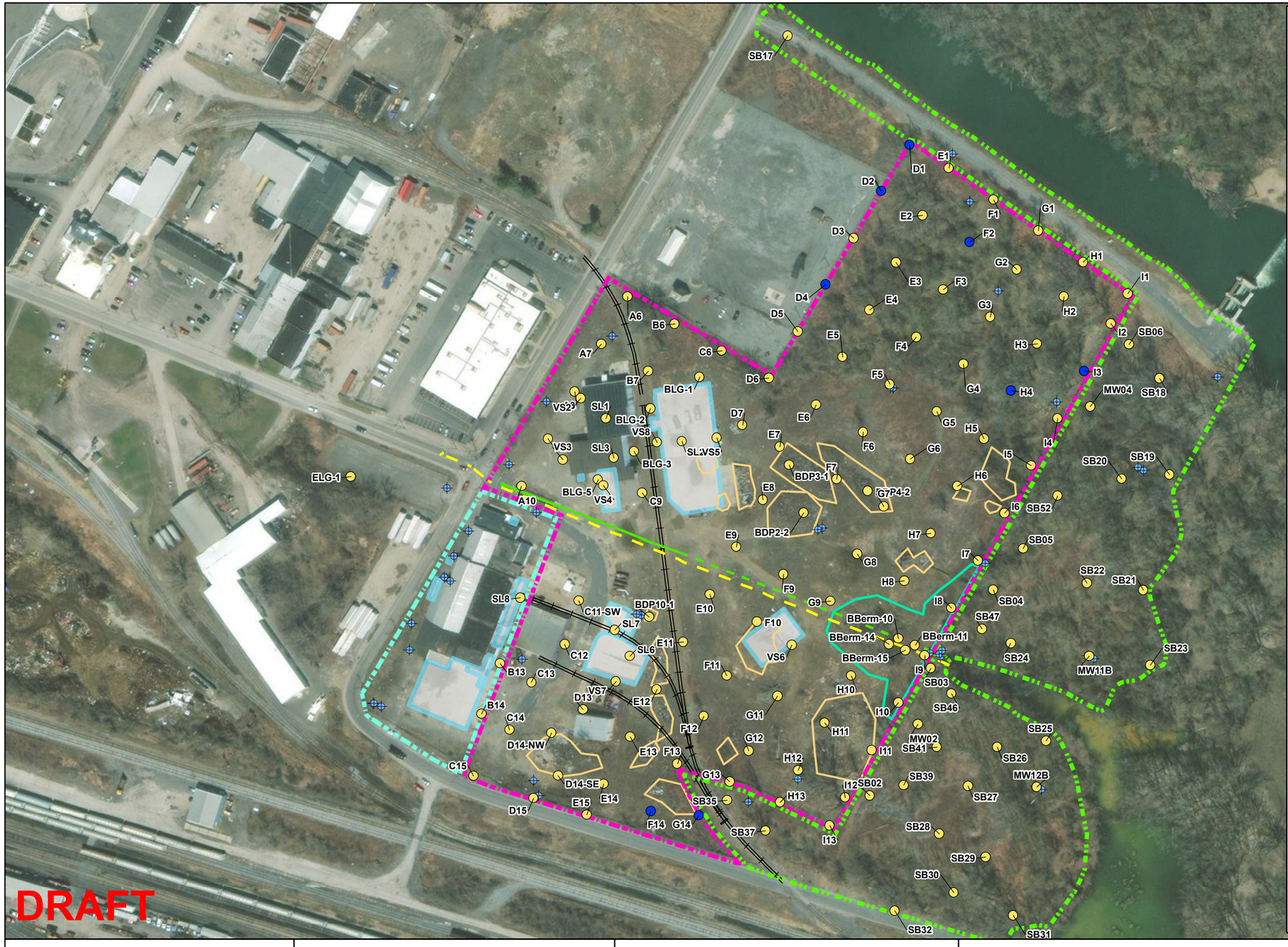
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Figure 24
Metals in Surface Soil
(0' to 2")

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LEGEND

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- OU3 Boundary
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- Railroad
- Concrete Slab

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Figure 25
Metals in Subsurface Soil
(2" to 2')

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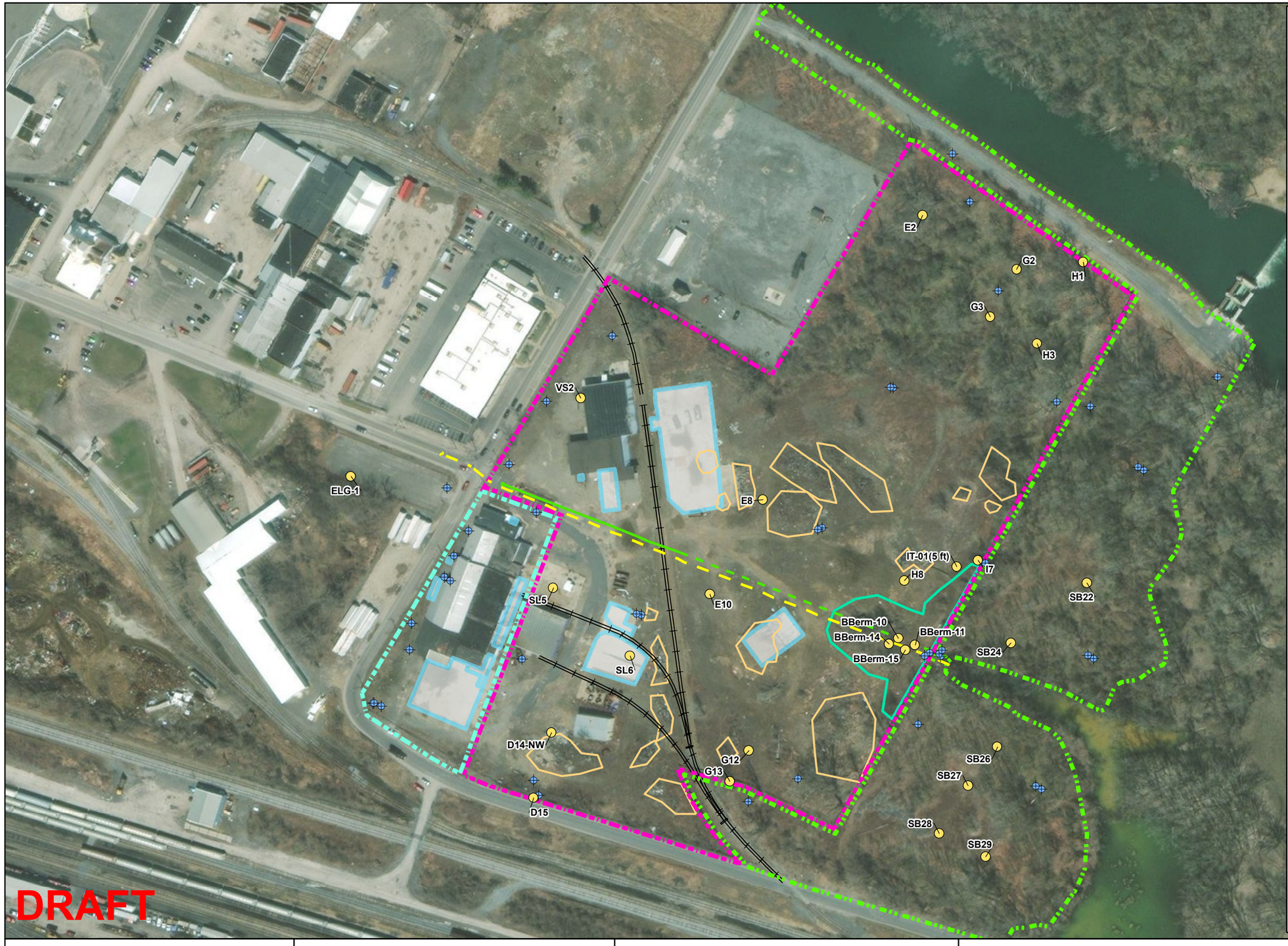
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Figure 26
Metals in Subsurface Soil
(2' to 4')

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LEGEND

Metals Exceedances:

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- Berm Location
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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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Figure 27
Metals in Subsurface Soil
(4' to 6')

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LEGEND

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- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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Figure 28
Metals in Subsurface Soil
(6' to 8')

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LEGEND

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- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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Figure 29
Metals in Subsurface Soil
(8' to 10')

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LEGEND

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- Berm Location
- OU1 Boundary
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- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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Figure 30
Metals in Subsurface Soil
(10' to 12')

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- Debris Pile Edge
- Berm Location
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- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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Figure 31
Metals in Subsurface Soil
(12' to 14')

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- Berm Location
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- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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Figure 32
Metals in Subsurface Soil
(14' to 16')

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- Railroad
- Concrete Slab

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Figure 33
Metals in Subsurface Soil
(16' to 18')

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- Storm Sewer Location
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- Railroad
- Concrete Slab

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Figure 34
Metals in Subsurface Soil
(18' to 20')

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VOCs Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

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Figure 35
VOCs in Surface Soil
(0' to 2")

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- Railroad
- Concrete Slab

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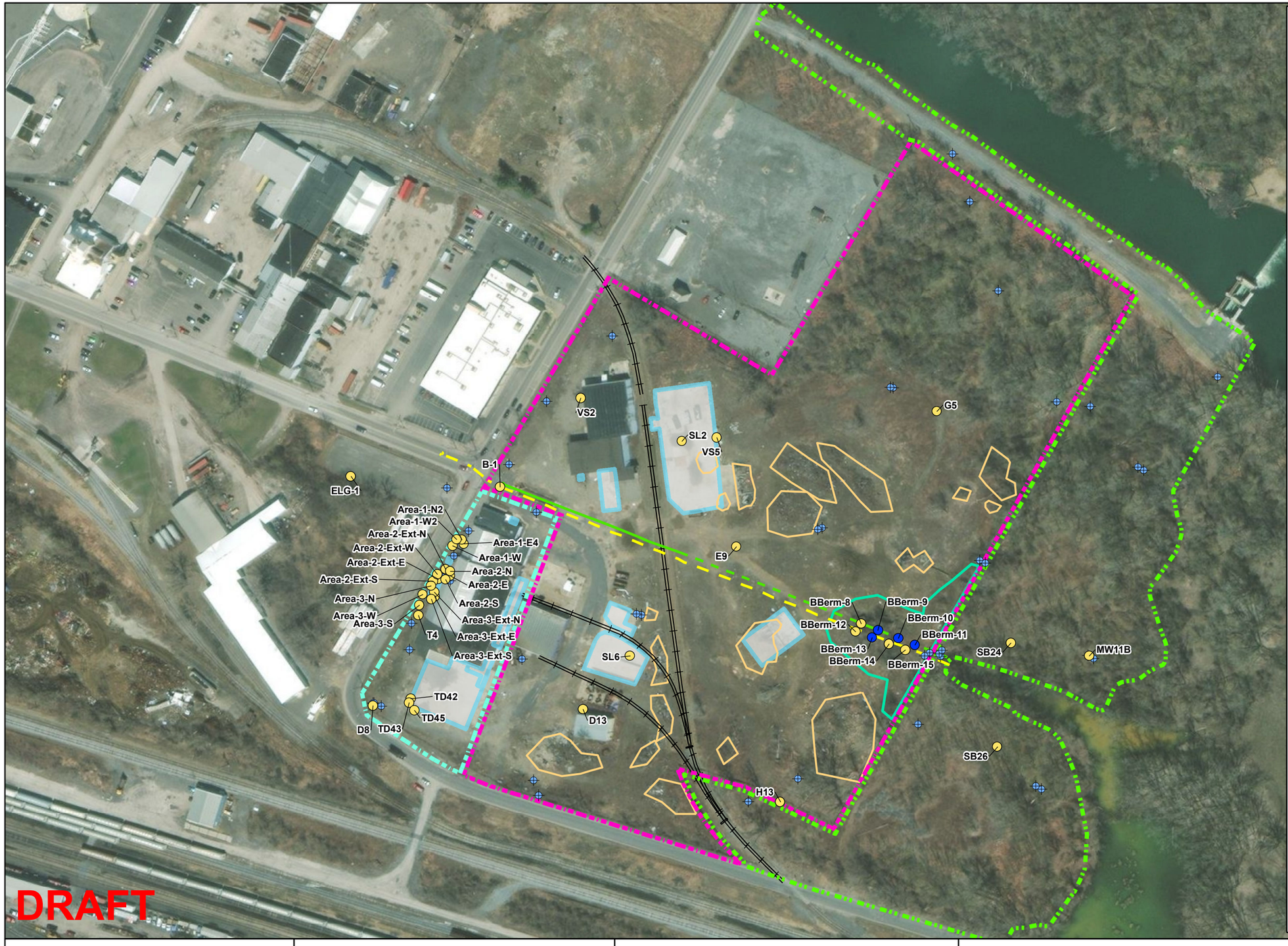
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Figure 36
VOCs in Subsrface Soil
(2" to 2')

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LEGEND

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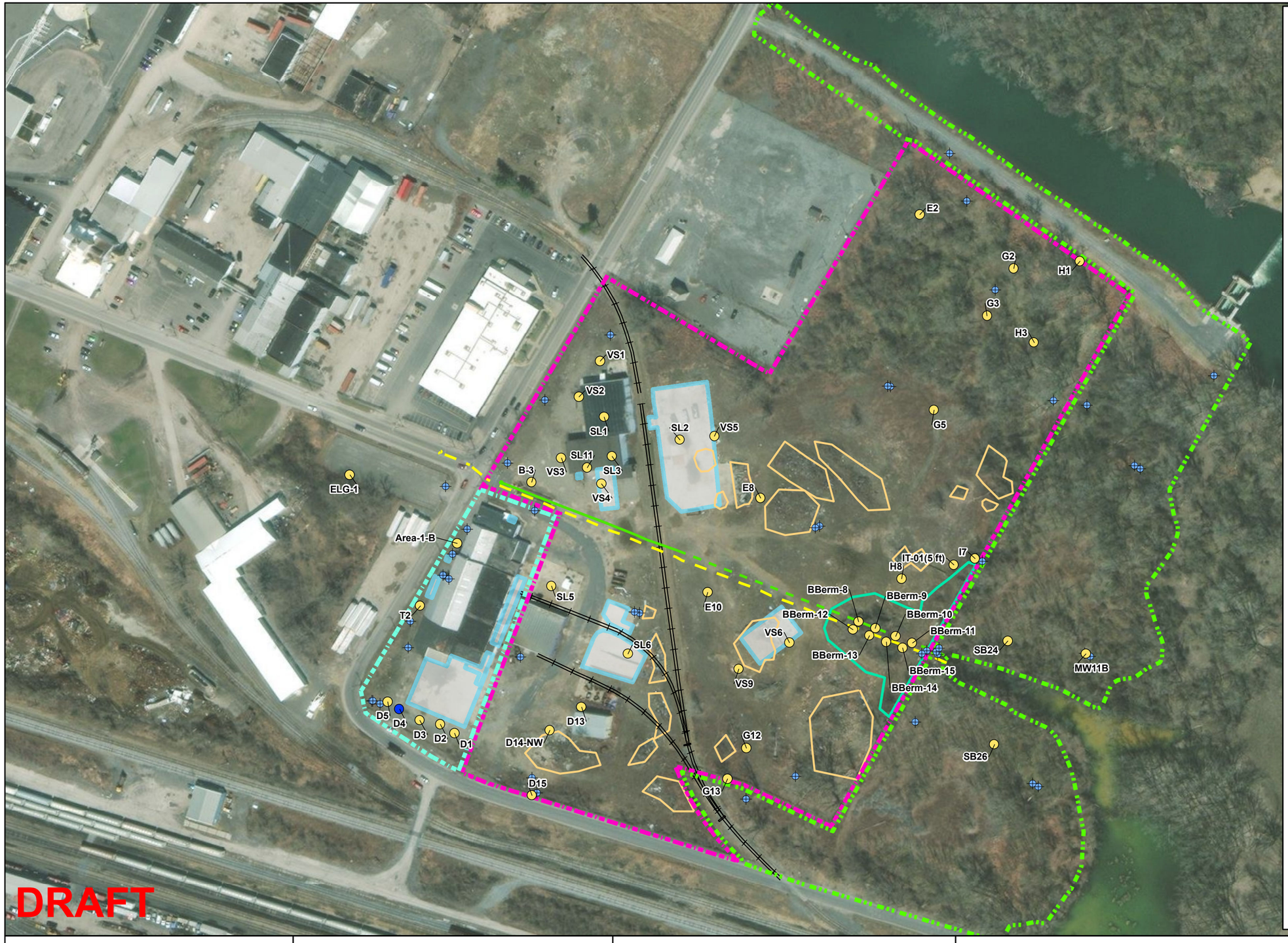
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Figure 37
VOCs in Subsurface Soil
(2' to 4')

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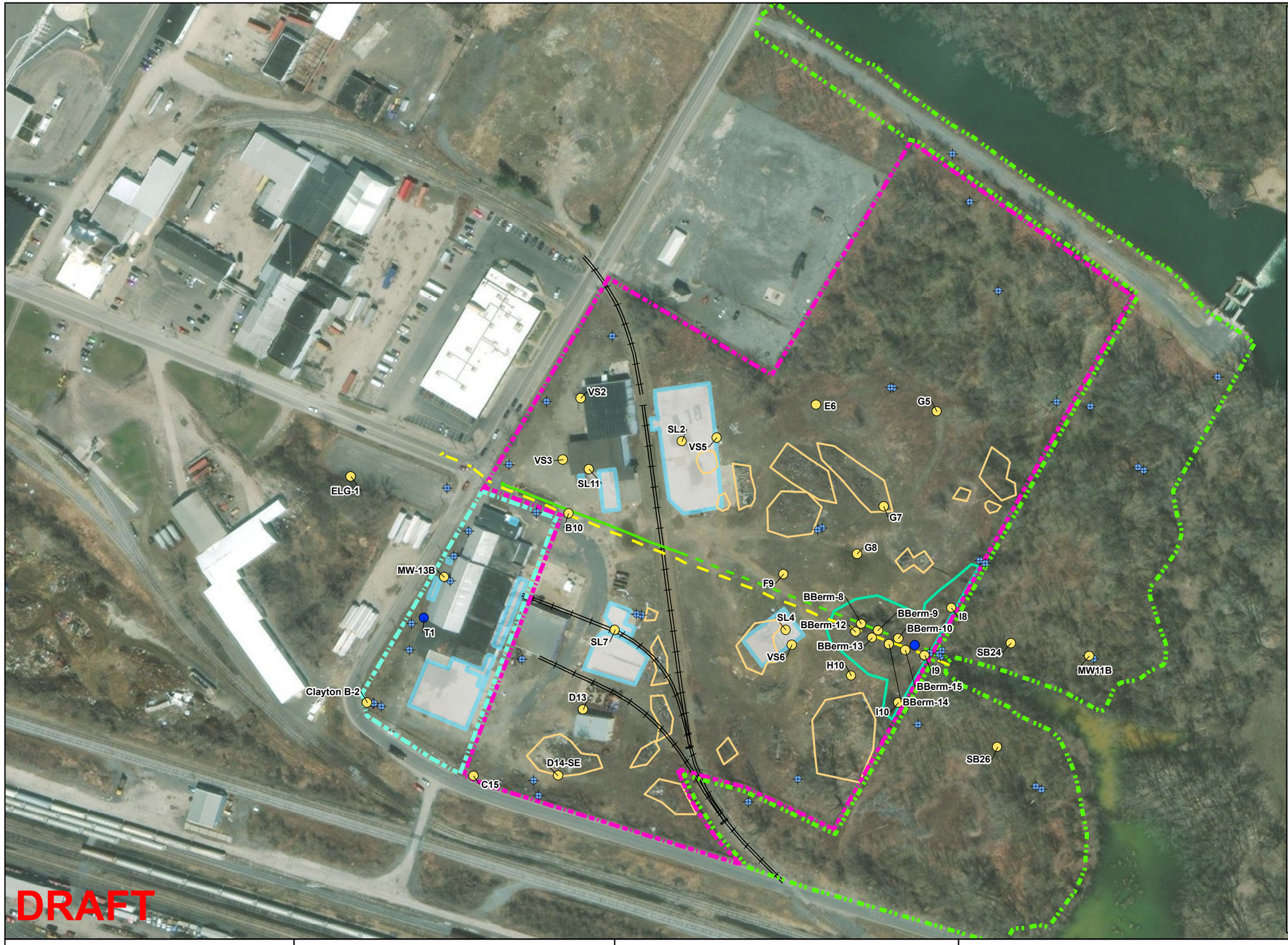
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Figure 38
VOCs in Subsurface Soil
(4' to 6')

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LEGEND

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- Railroad
- Concrete Slab

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Figure 39
VOCs in Subsurface Soil
(6' to 8')

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- OU3 Boundary
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- Railroad
- Concrete Slab

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Figure 40
VOCs in Subsurface Soil
(8' to 10')

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- Railroad
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Figure 41
VOCs in Subsurface Soil
(10' to 12')

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Figure 42
VOCs in Subsurface Soil
(12' to 14')

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LEGEND

VOCs Exceedances:

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- Railroad
- Concrete Slab

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Figure 43
VOCs in Subsurface Soil
(14' to 16')

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Figure 44
VOCs in Subsurface Soil
(16' to 18')

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- Railroad
- Concrete Slab

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Figure 45
VOCs in Subsurface Soil
(18' to 20')

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Figure 46
VOCs in Subsurface Soil
(20' to 22')

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LEGEND

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- Railroad
- Concrete Slab

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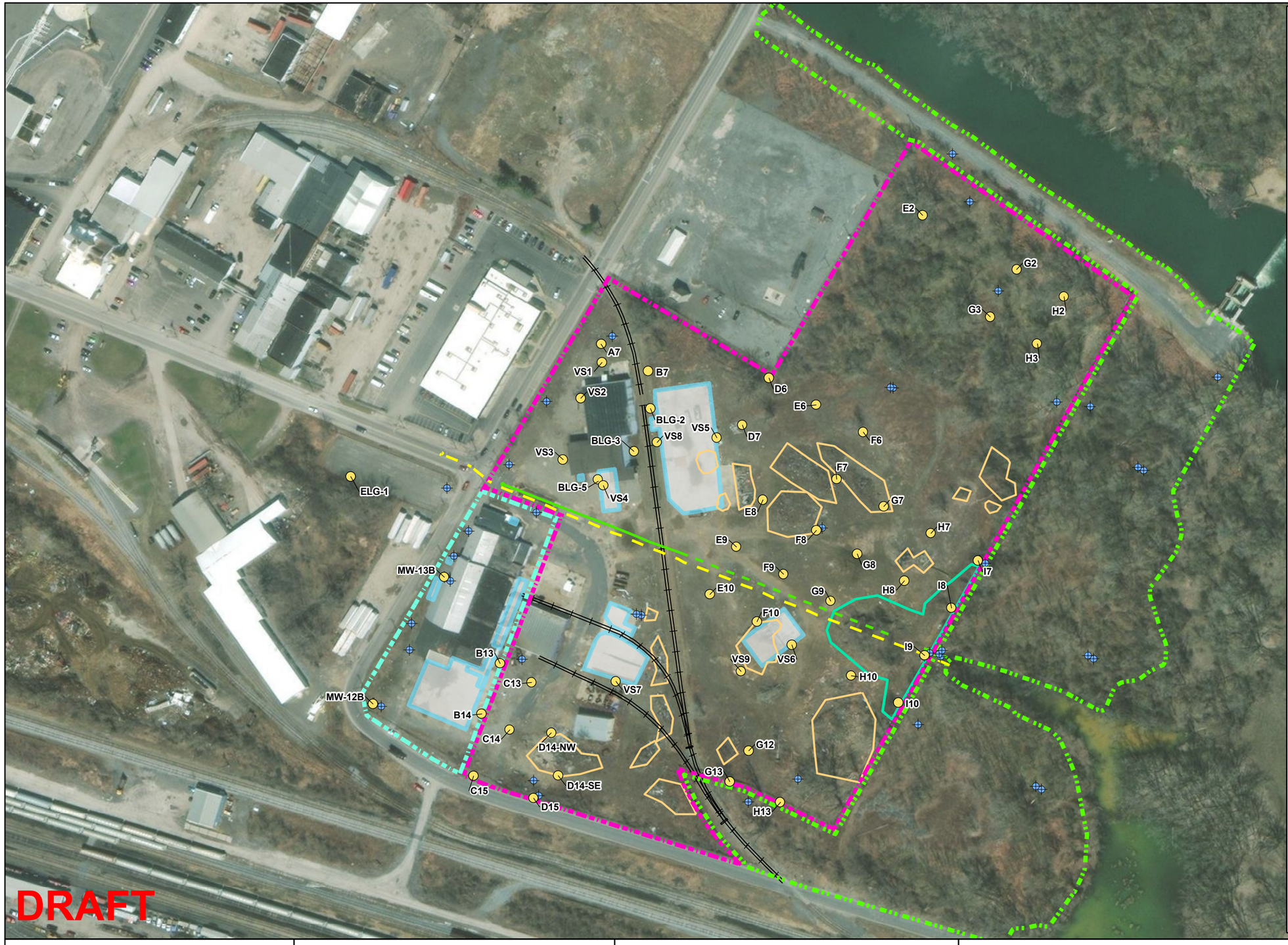
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Figure 47
VOCs in Subsurface Soil
(22' to 24')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
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- OU3 Boundary
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- Railroad
- Concrete Slab

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Figure 48
Herbicides/Pesticides in Surface Soil
(0' to 2")

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LEGEND

Herbicides/Pesticides Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 49
Herbicides/Pesticides in Subsrface Soil
(2" to 2')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

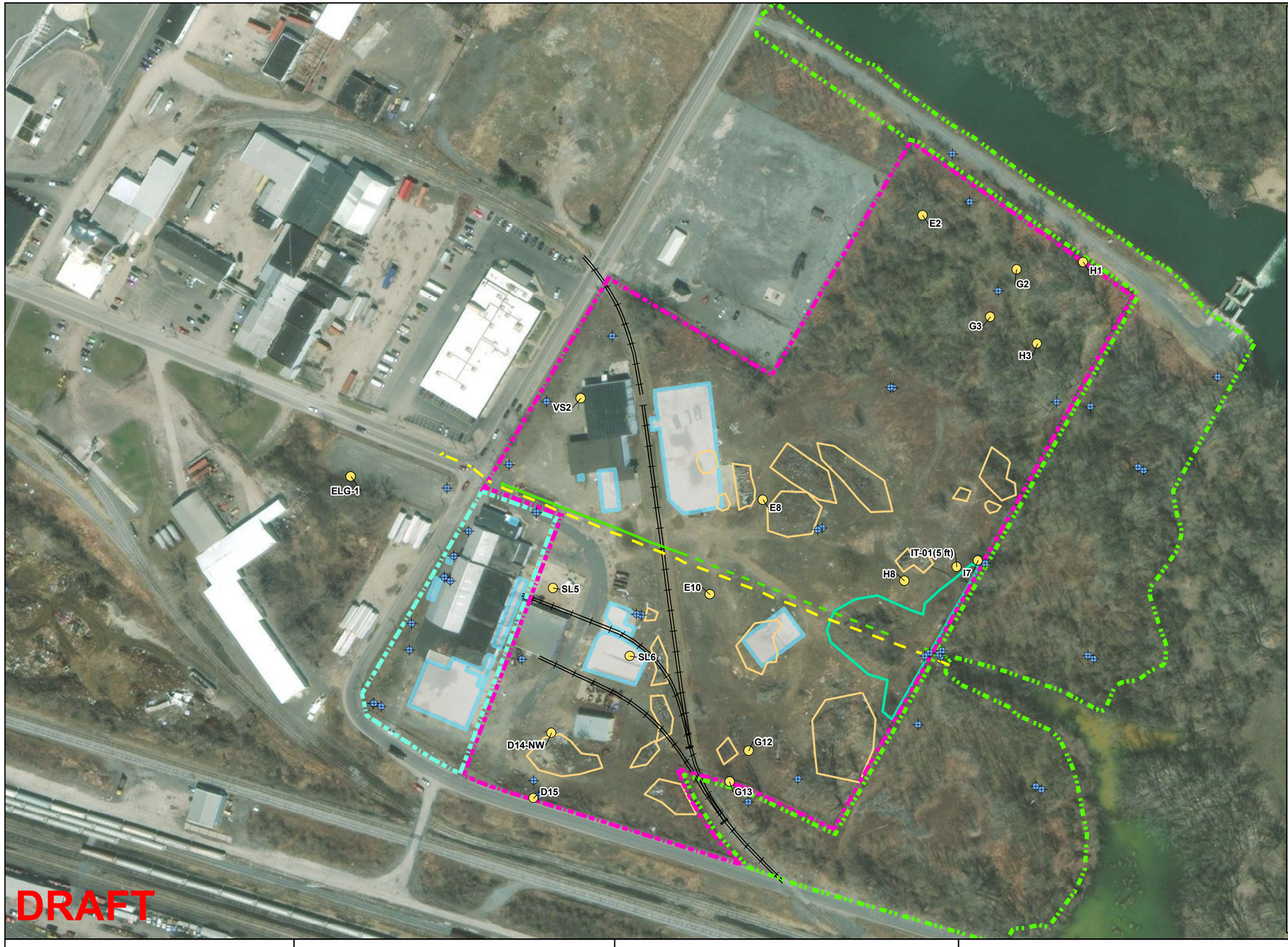
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0 110 220 330 440
Feet

Figure 50
Herbicides/Pesticides in Subsurface Soil
(2' to 4')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

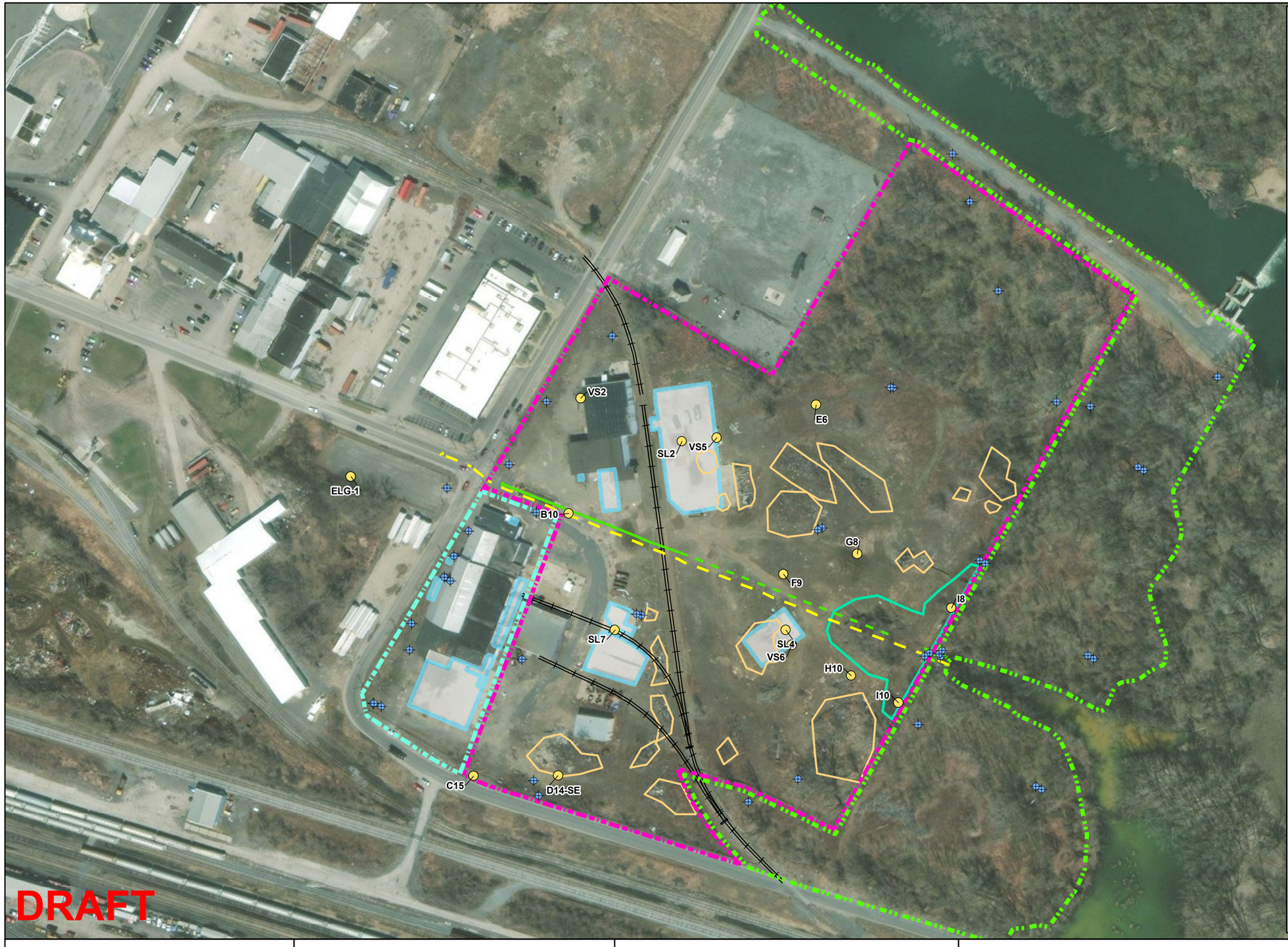
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0 110 220 330 440
Feet

Figure 51
Herbicides/Pesticides in Subsurface Soil
(4' to 6')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 52
Herbicides/Pesticides in Subsurface Soil
(6' to 8')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Grounwater Resources
- Sample Exceeds NYSDEC SCOs - Protection of Groundwater Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 53
Herbicides/Pesticides in Subsurface Soil
(8' to 10')

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COCs in Soil Exceeding ESCOs



INTERNAL REVIEW

LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

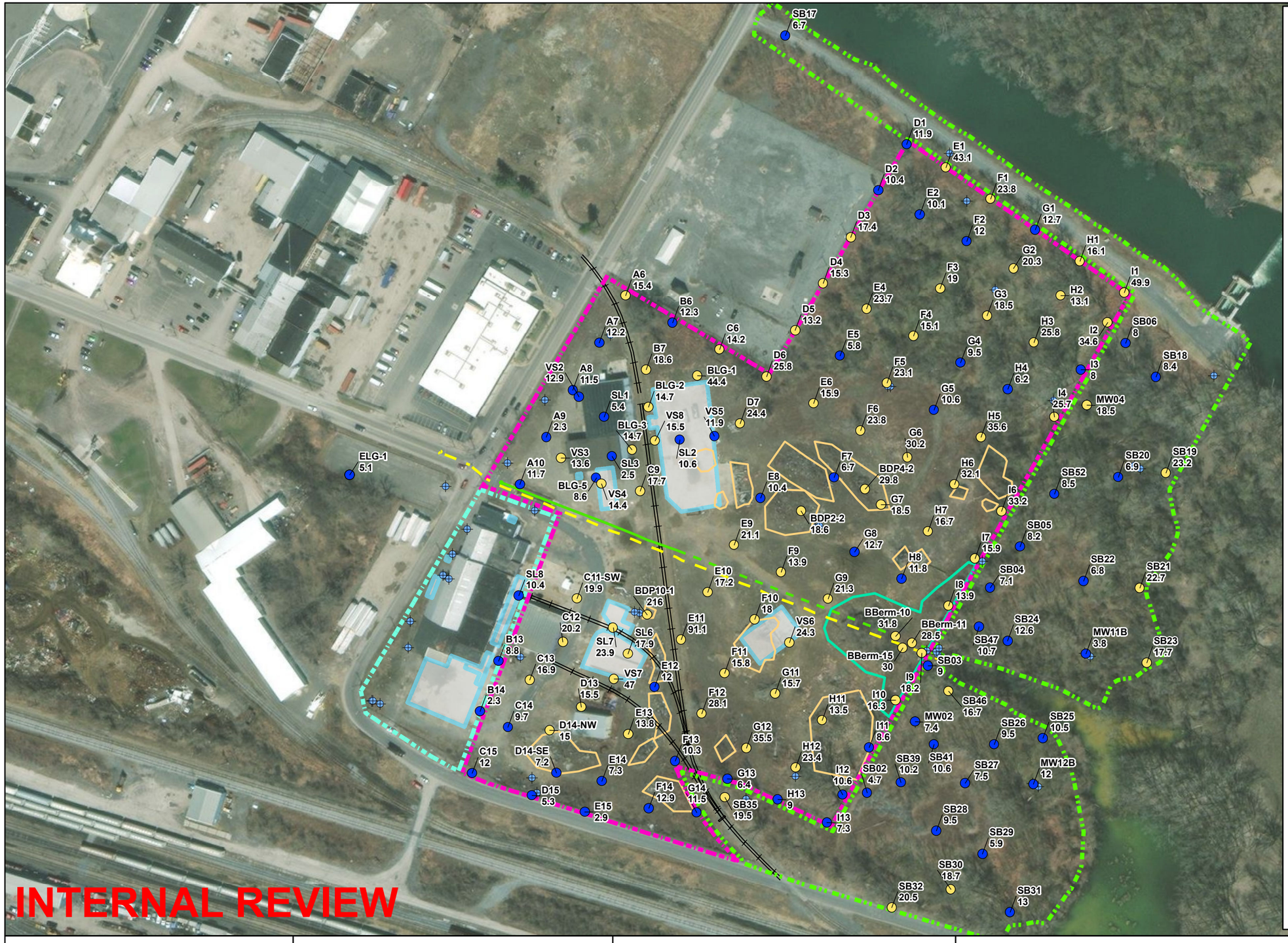
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Feet

Arsenic in Surface Soil
(0 to 2")

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INTERNAL REVIEW

LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(2" to 2')

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LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(2' to 4')

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LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(4' to 6')

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LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil (6' to 8')

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LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil (8' to 10')

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LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

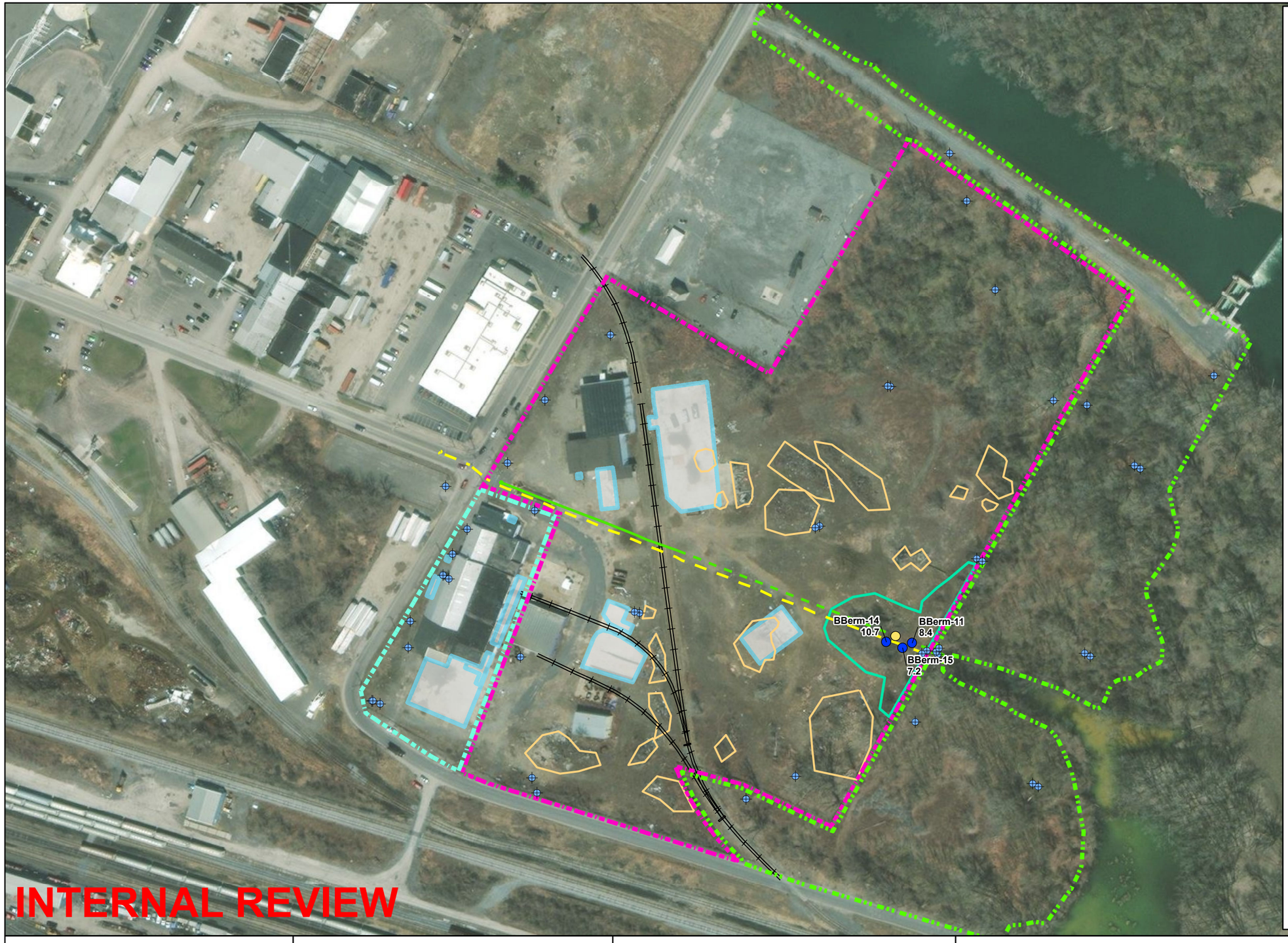
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Feet

Arsenic in Subsurface Soil
(10' to 12')

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LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(12' to 14')

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LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(14' to 16')

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LEGEND

Arsenic Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 13 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

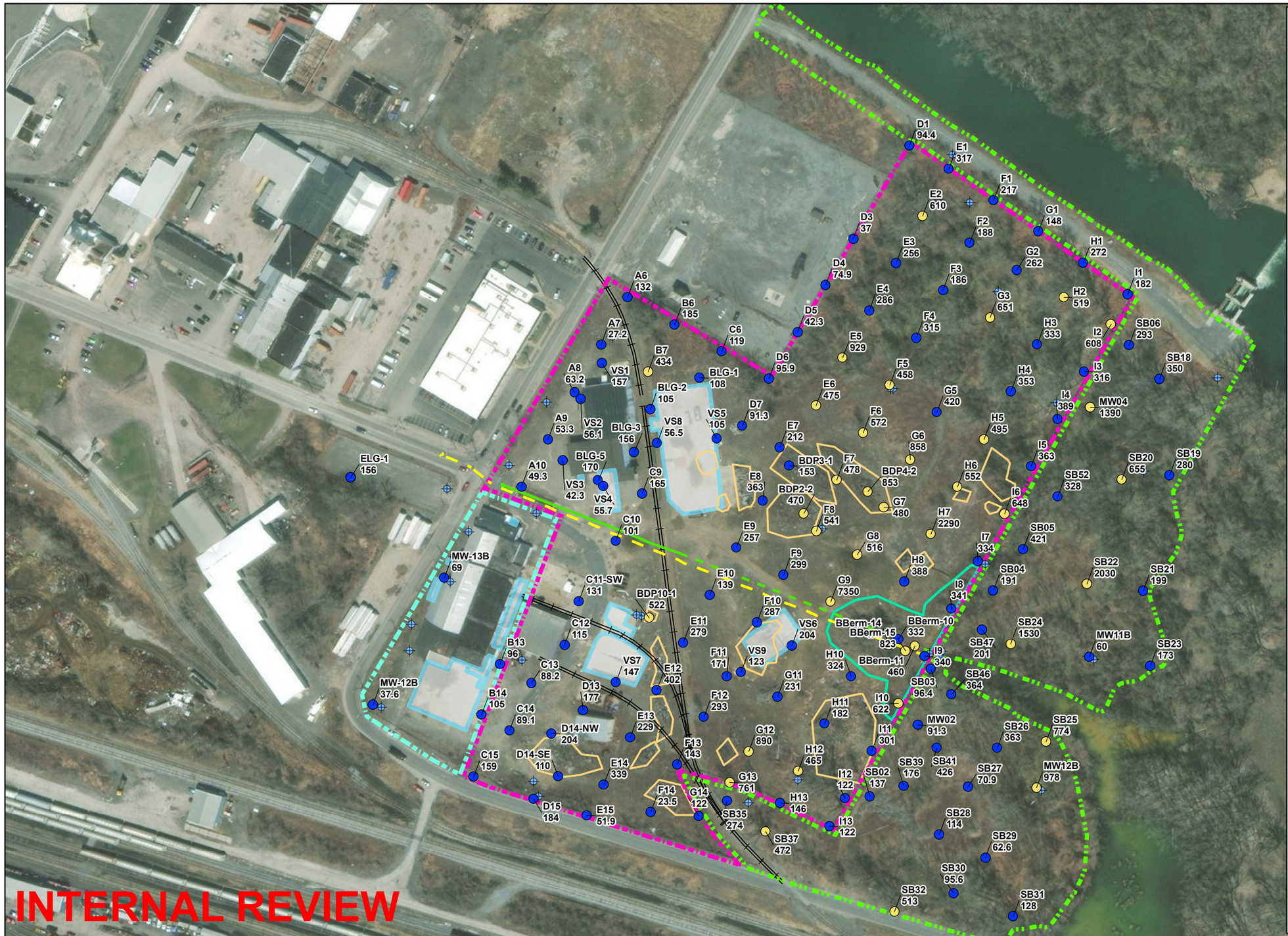
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0 110 220 330 440
Feet

Arsenic in Subsurface Soil
(18' to 20')

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INTERNAL REVIEW

LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 433 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

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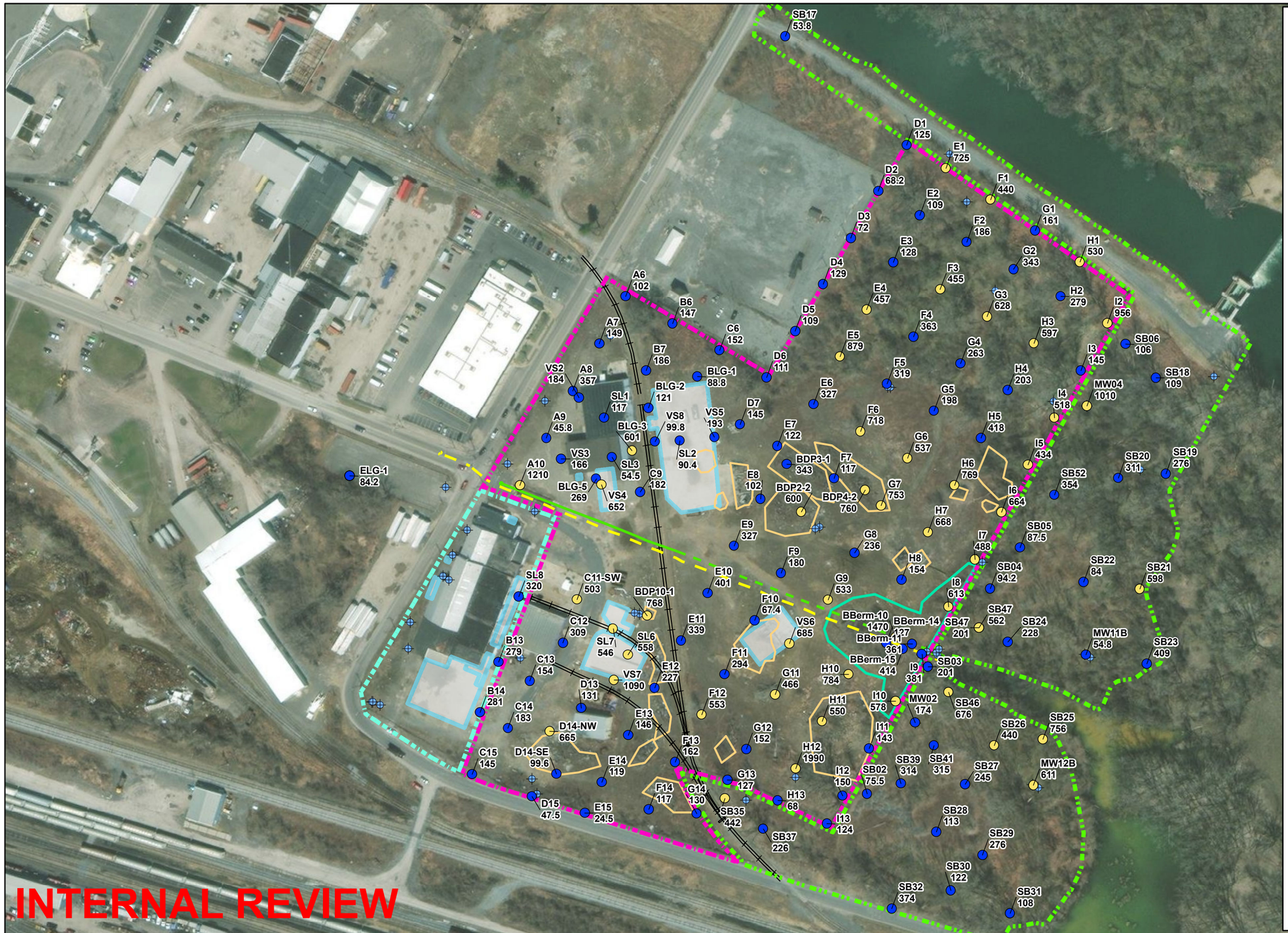
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Feet

Barium in Surface Soil
(0 to 2")

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INTERNAL REVIEW

LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 433 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Barium in Subsurface Soil (2" to 2')

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LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 433 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(2' to 4')

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INTERNAL REVIEW

LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 433 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(4' to 6')

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LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 433 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil (6' to 8')

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LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 433 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

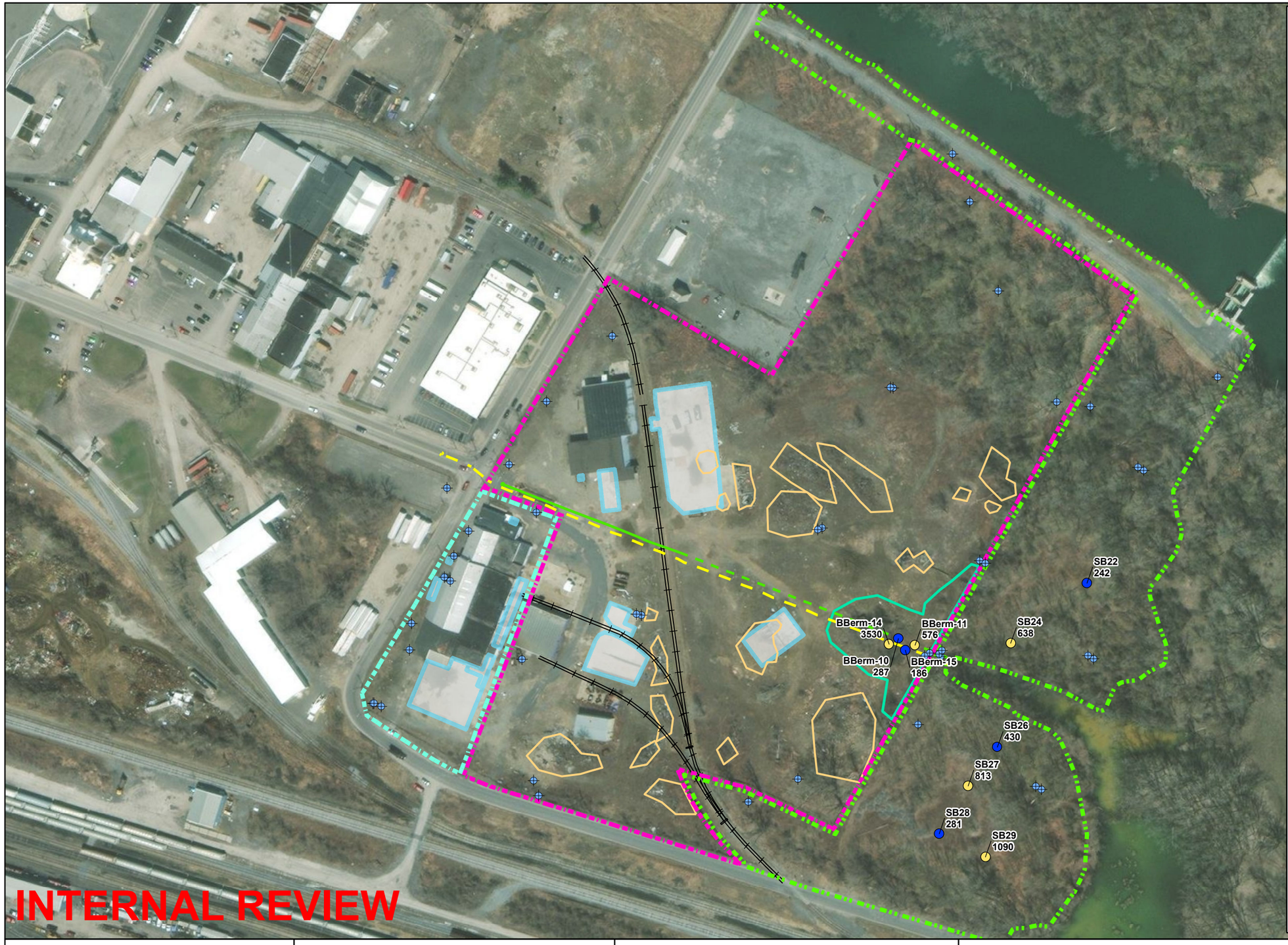
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Feet

Barium in Subsurface Soil (8' to 10')

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LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 433 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(10' to 12')

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LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 433 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

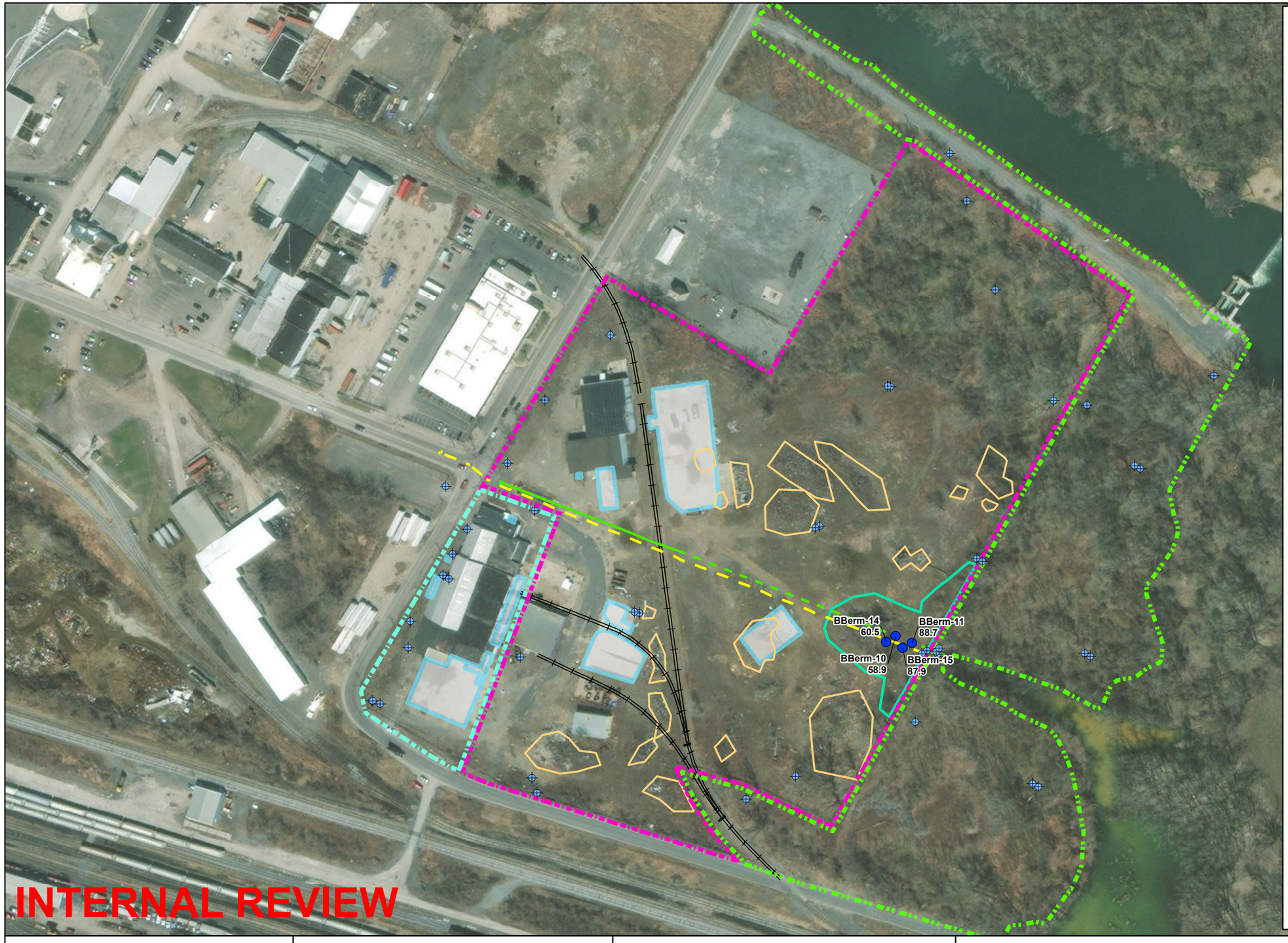
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0 110 220 330 440
Feet

Barium in Subsurface Soil
(12' to 14')

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LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 433 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(14' to 16')

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LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 433 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(18' to 20')

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LEGEND

Barium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 433 mg/kg

INTERNAL REVIEW

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Barium in Subsurface Soil
(20' to 22')

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LEGEND

Cadmium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 4 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

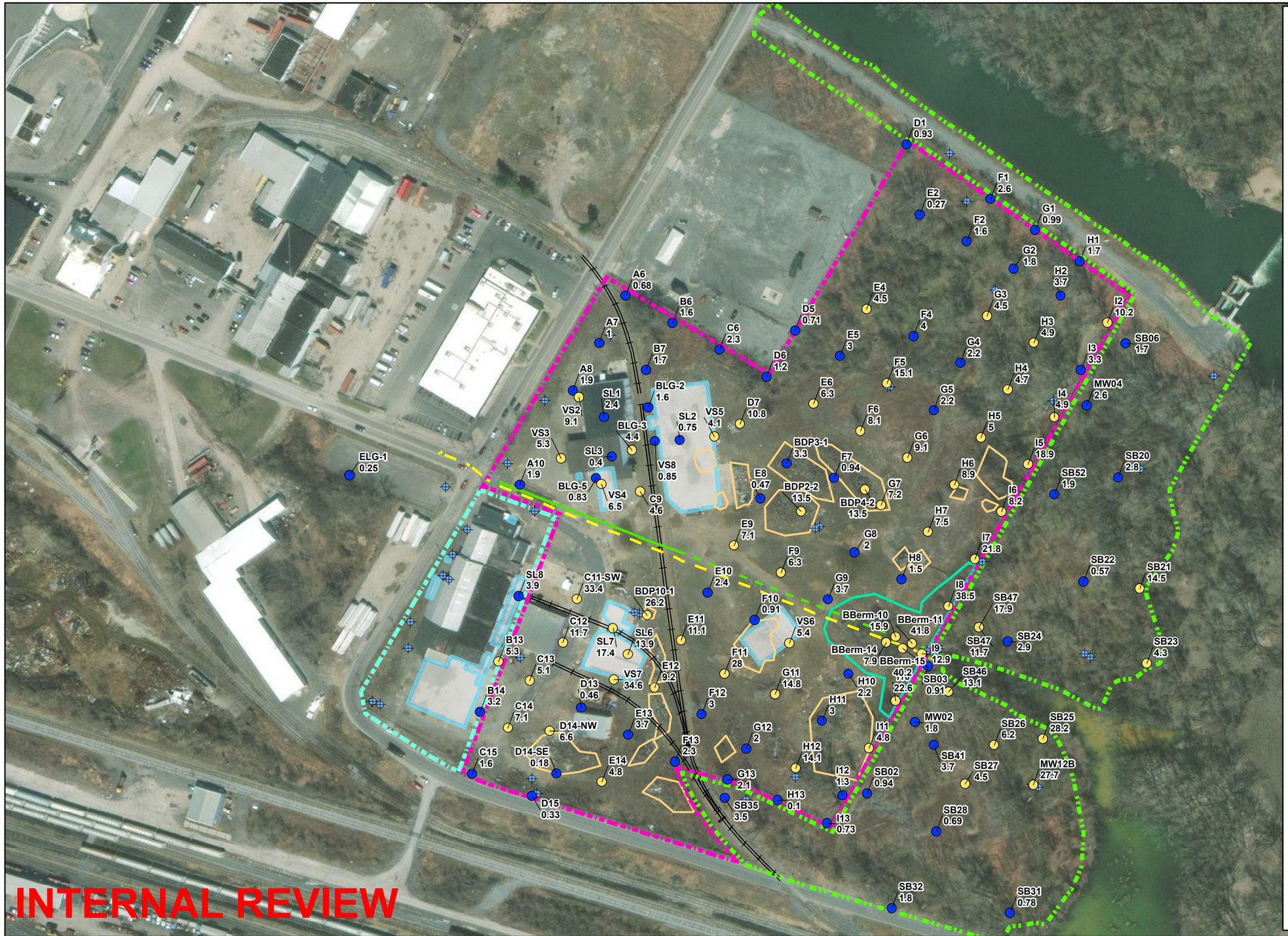
0 110 220 330 440

Feet

Cadmium in Surface Soil (0 to 2")

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INTERNAL REVIEW

LEGEND

Cadmium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

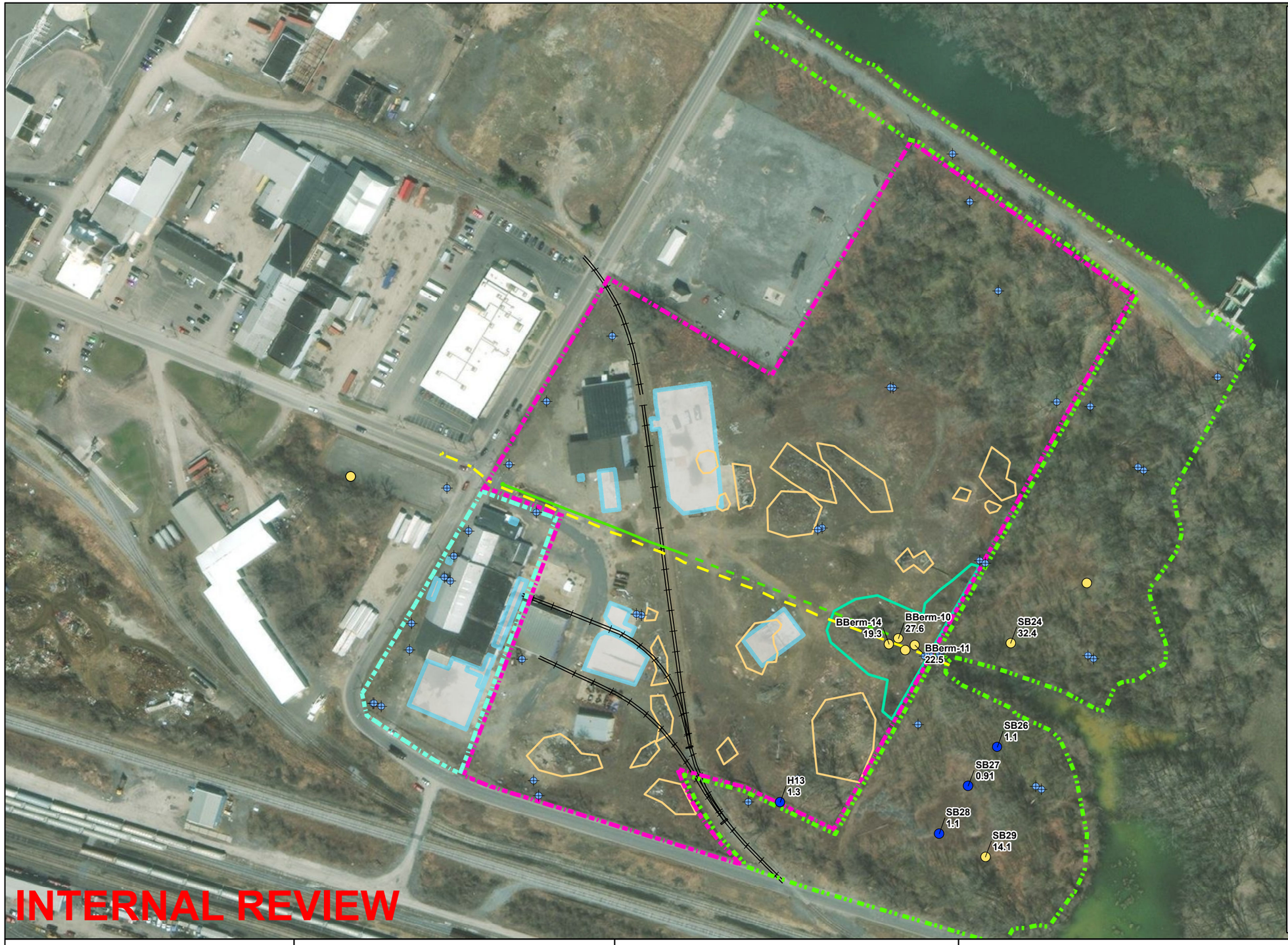
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(2" to 2')

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LEGEND

Cadmium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(2' to 4')

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LEGEND

Cadmium Exceedances:

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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(4' to 6')

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LEGEND

Cadmium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(6' to 8')



LEGEND

Cadmium Exceedances:

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- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(8' to 10')

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LEGEND

Cadmium Exceedances:

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- Berm Location
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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

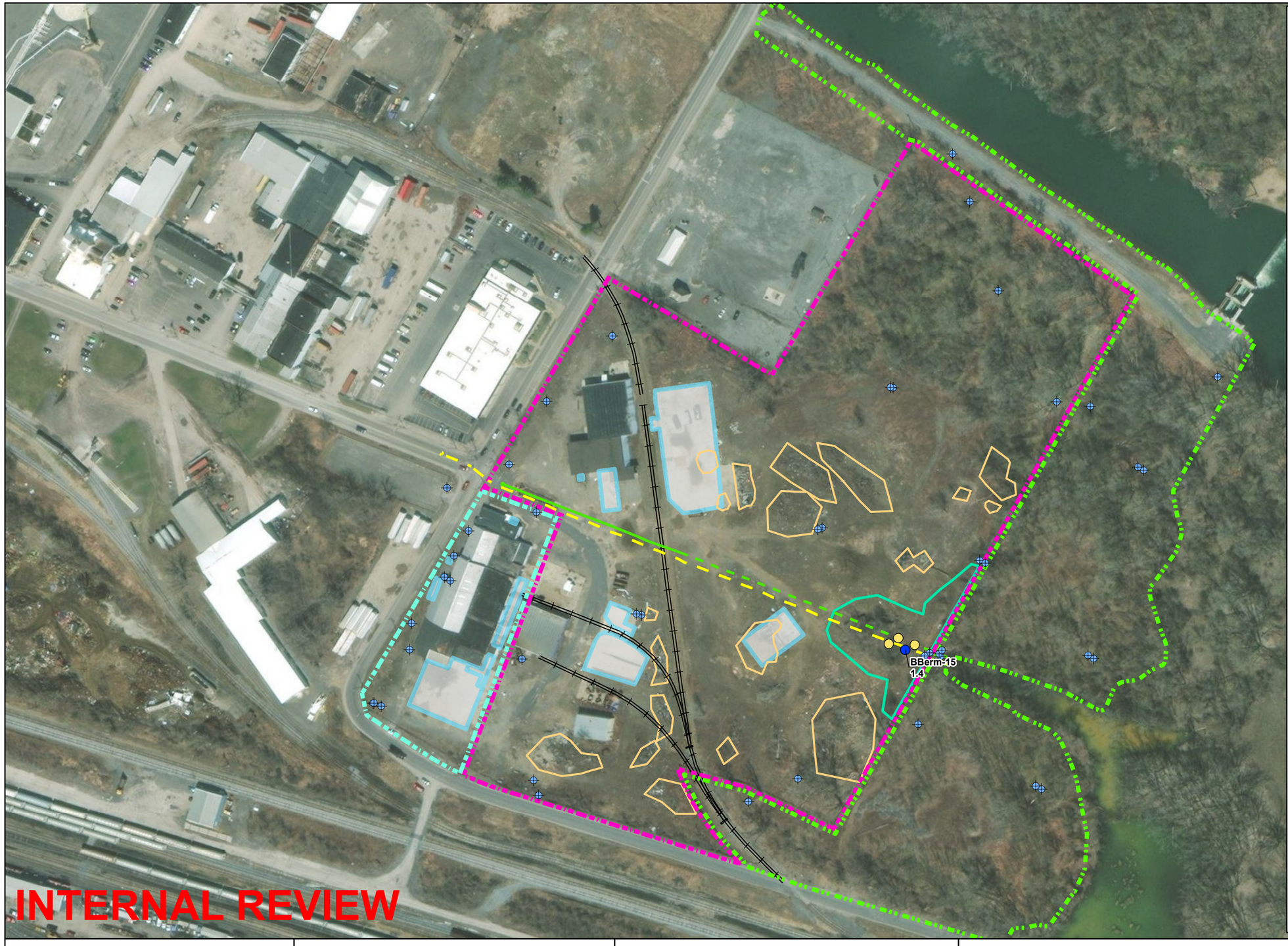
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Feet

Cadmium in Subsurface Soil
(10' to 12')

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LEGEND

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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

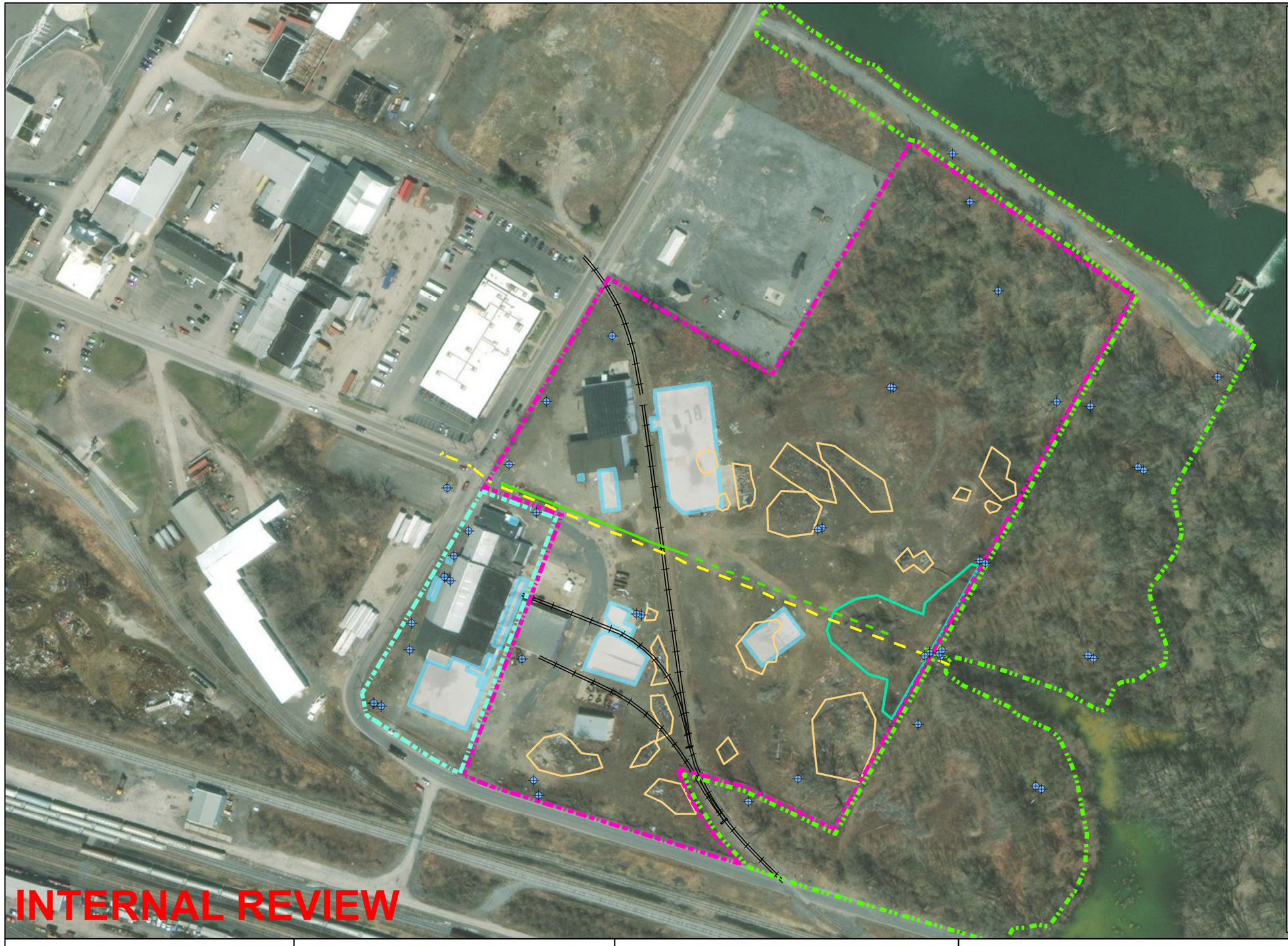
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(14' to 16')

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LEGEND

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- OU3 Boundary
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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

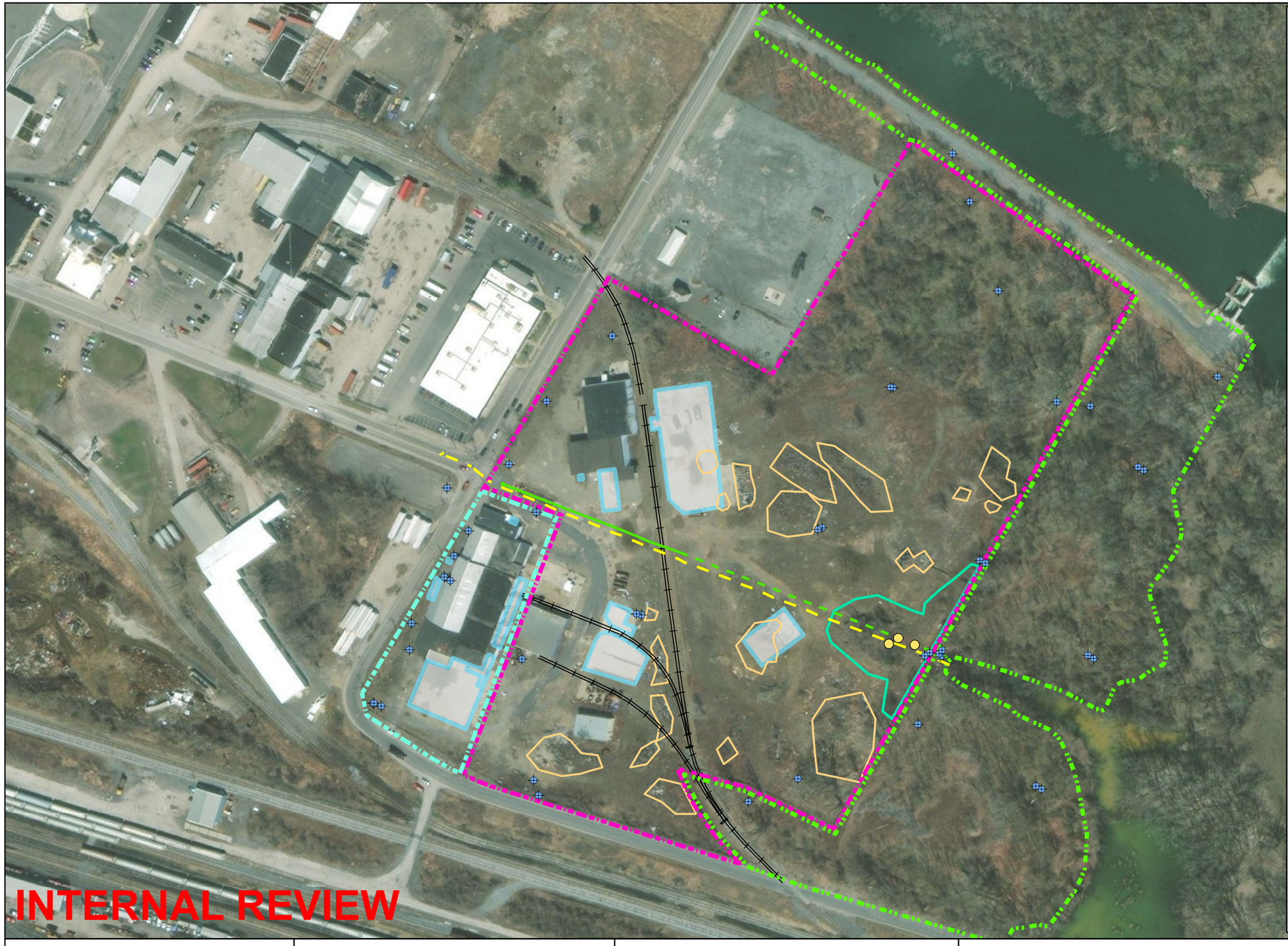
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(16' to 18')

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LEGEND

Cadmium Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
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- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

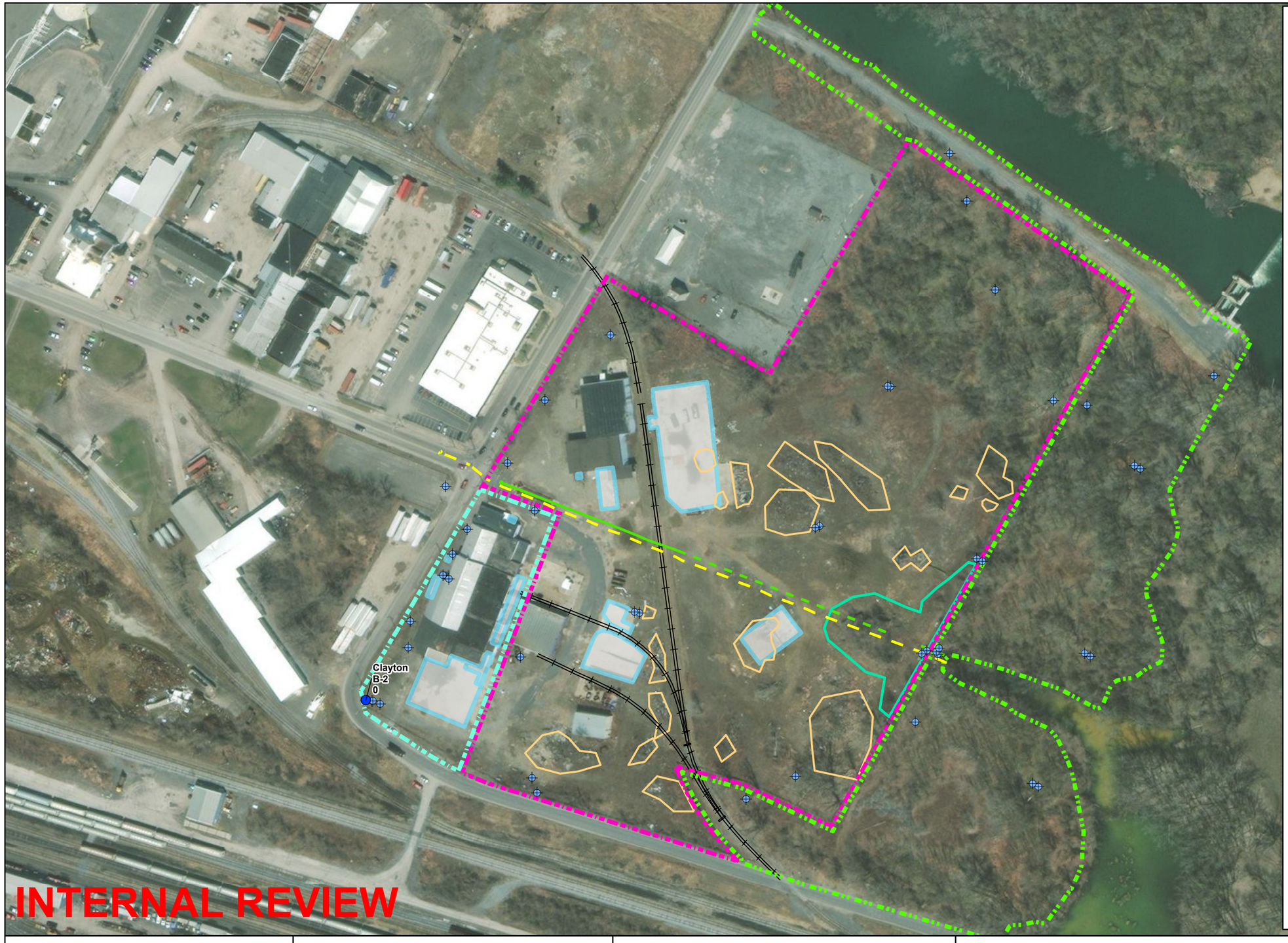
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(18' to 20')

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INTERNAL REVIEW

LEGEND

Cadmium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
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- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

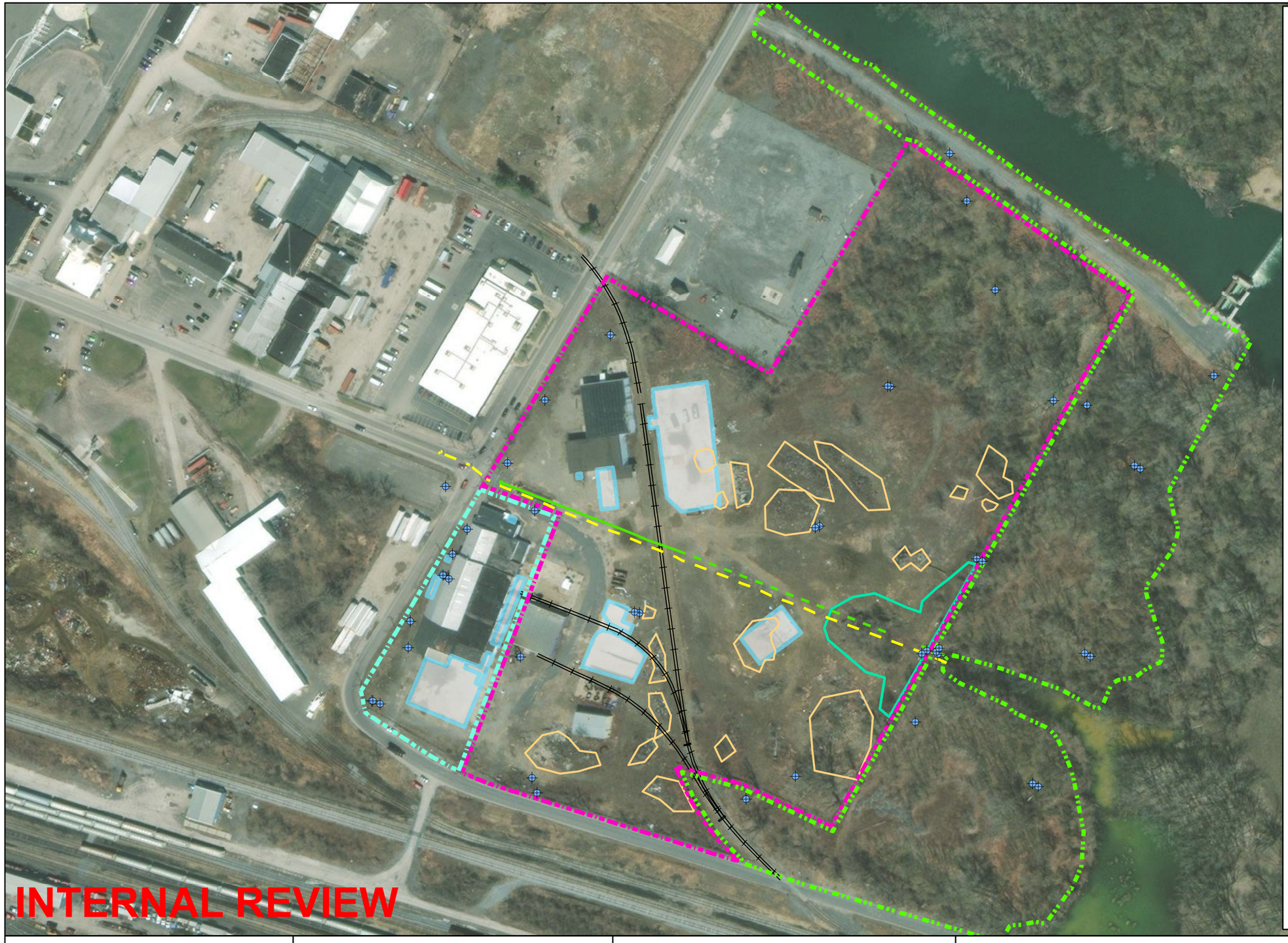
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(20' to 22')

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LEGEND

Cadmium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 4 mg/kg

EHS Support℠

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UTICA, NEW YORK

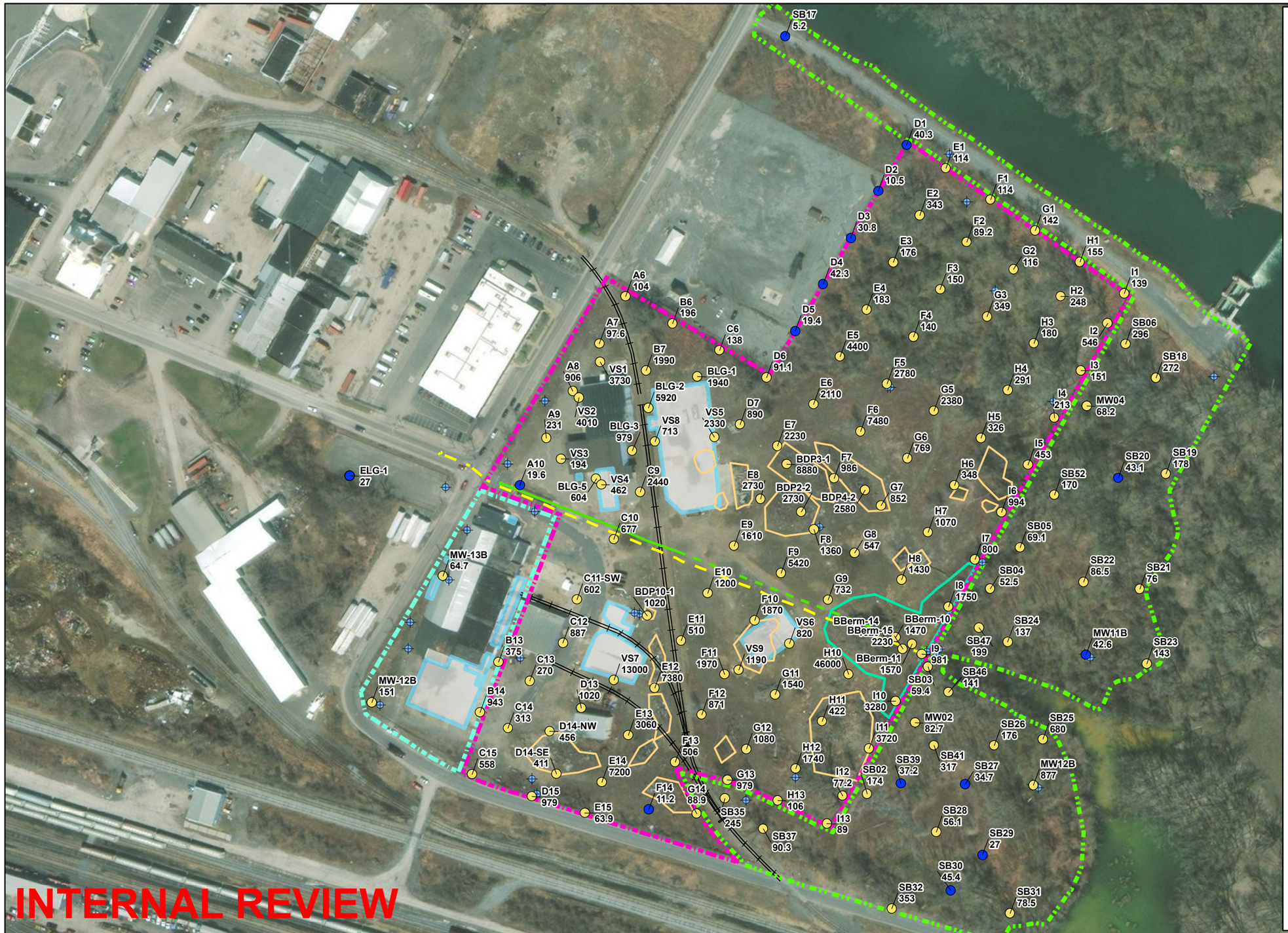
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0 110 220 330 440
Feet

Cadmium in Subsurface Soil
(22' to 24')

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INTERNAL REVIEW

LEGEND

Copper Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Surface Soil
(0 to 2")

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INTERNAL REVIEW

LEGEND

Copper Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(2" to 2')

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LEGEND

Copper Exceedances:

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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(2' to 4')

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LEGEND

Copper Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
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- OU3 Boundary
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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(4' to 6')

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LEGEND

Copper Exceedances:

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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(6' to 8')

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LEGEND

Copper Exceedances:

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- Berm Location
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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(8' to 10')

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LEGEND

Copper Exceedances:

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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

INTERNAL REVIEW

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(10' to 12')

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LEGEND

Copper Exceedances:

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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

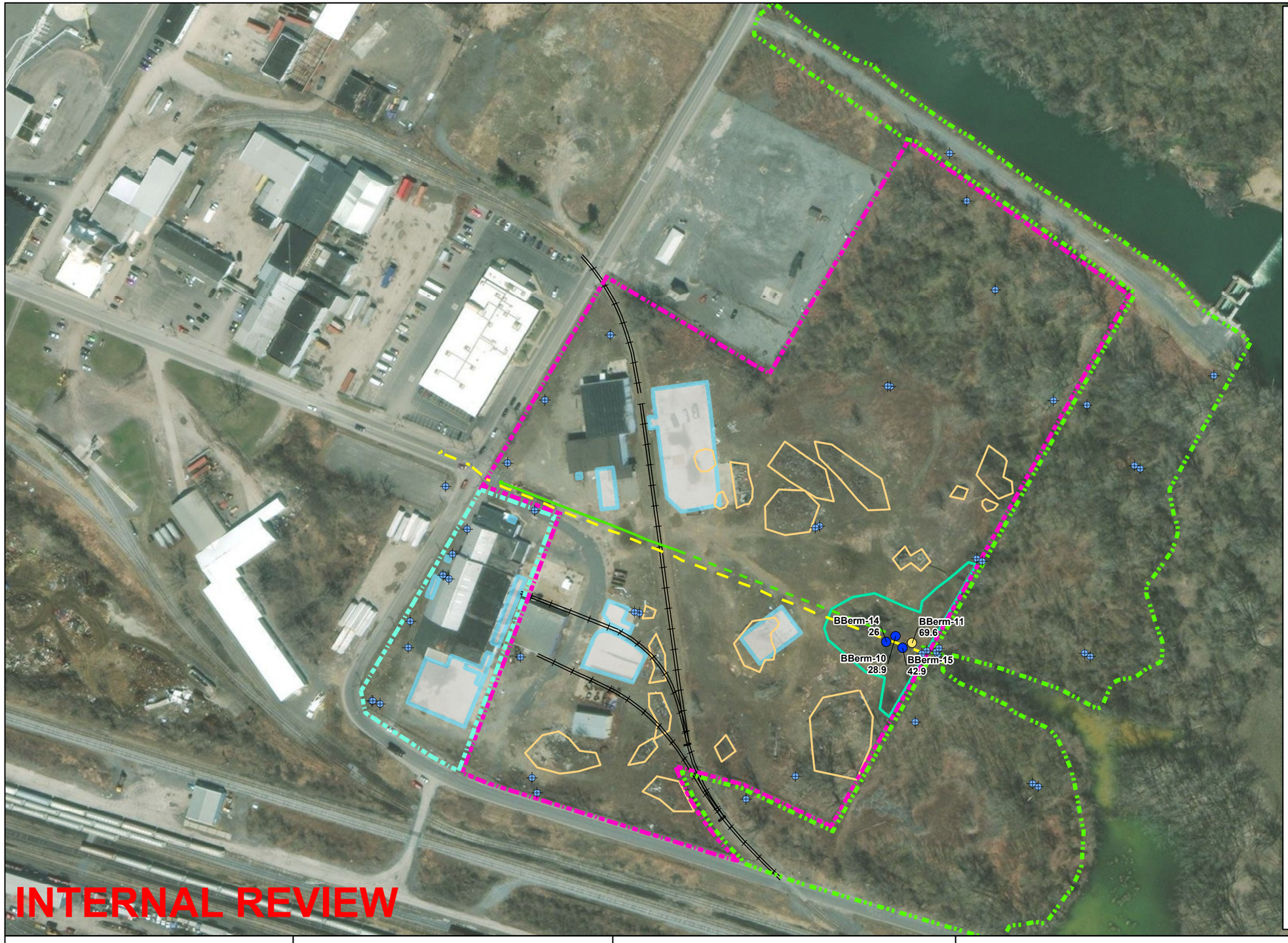
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0 110 220 330 440
Feet

Copper in Subsurface Soil
(12' to 14')

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LEGEND

Copper Exceedances:

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- Berm Location
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- OU3 Boundary
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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

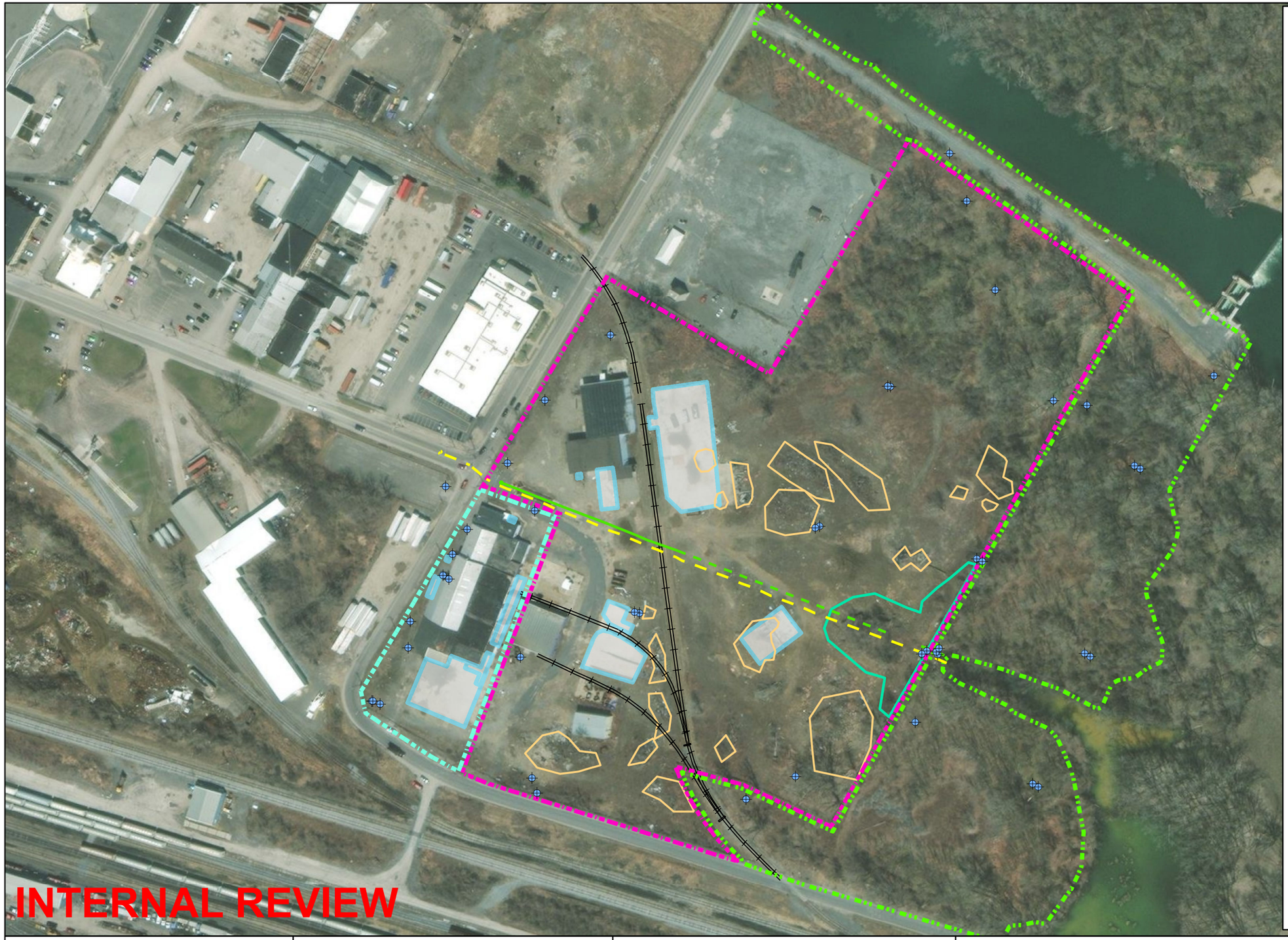
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0 110 220 330 440
Feet

Copper in Subsurface Soil
(14' to 16')

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LEGEND

Copper Exceedances:

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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(16' to 18')

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- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

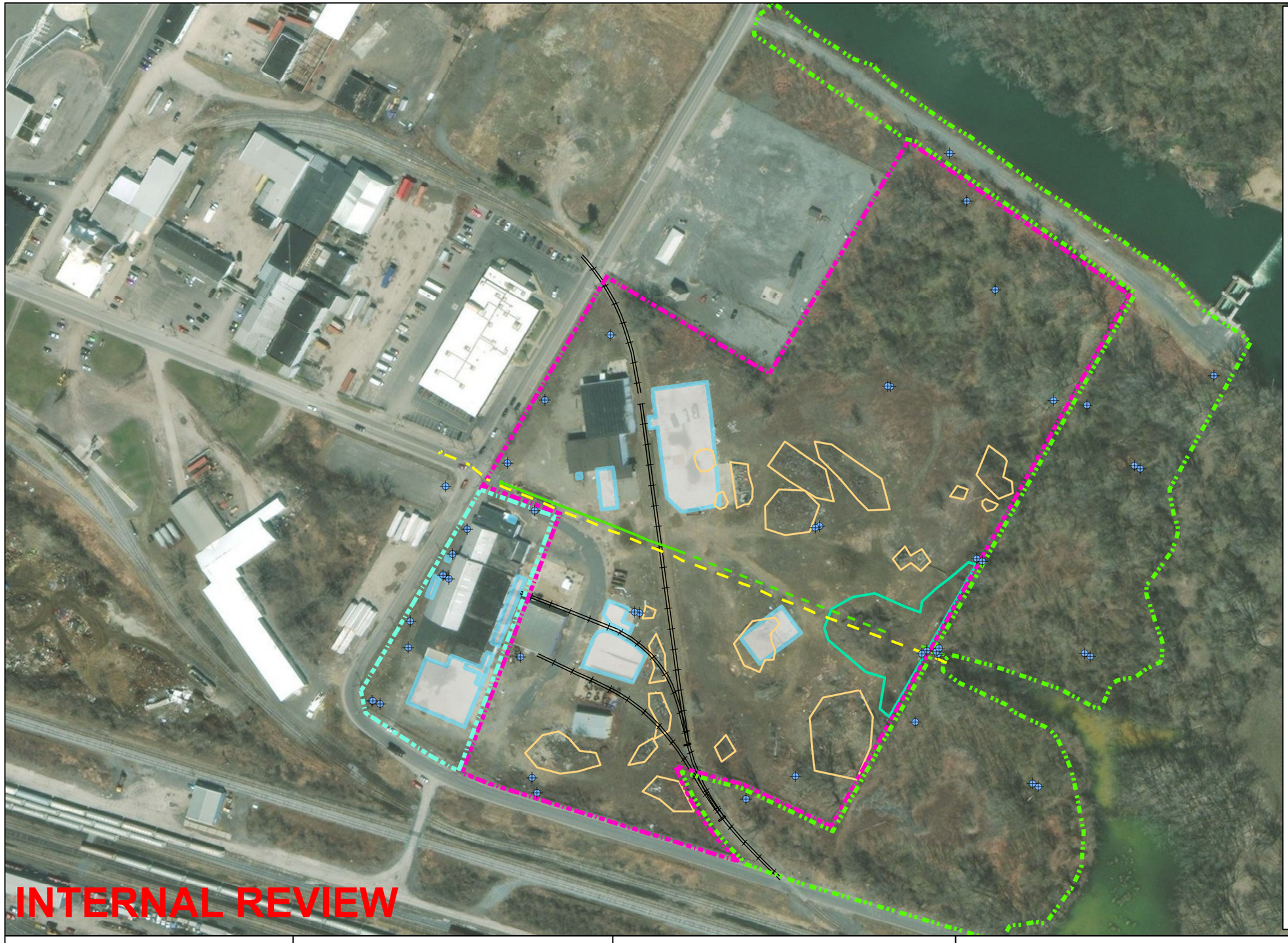
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0 110 220 330 440
Feet

Copper in Subsurface Soil
(18' to 20')

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LEGEND

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- OU3 Boundary
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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Copper in Subsurface Soil
(20' to 22')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220322_SoilMetalsFigs\20220421_SoilMetalsECO.mxd

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LEGEND

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Notes:
NYSDEC SCOs
Protection of Ecological Resources - 50 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

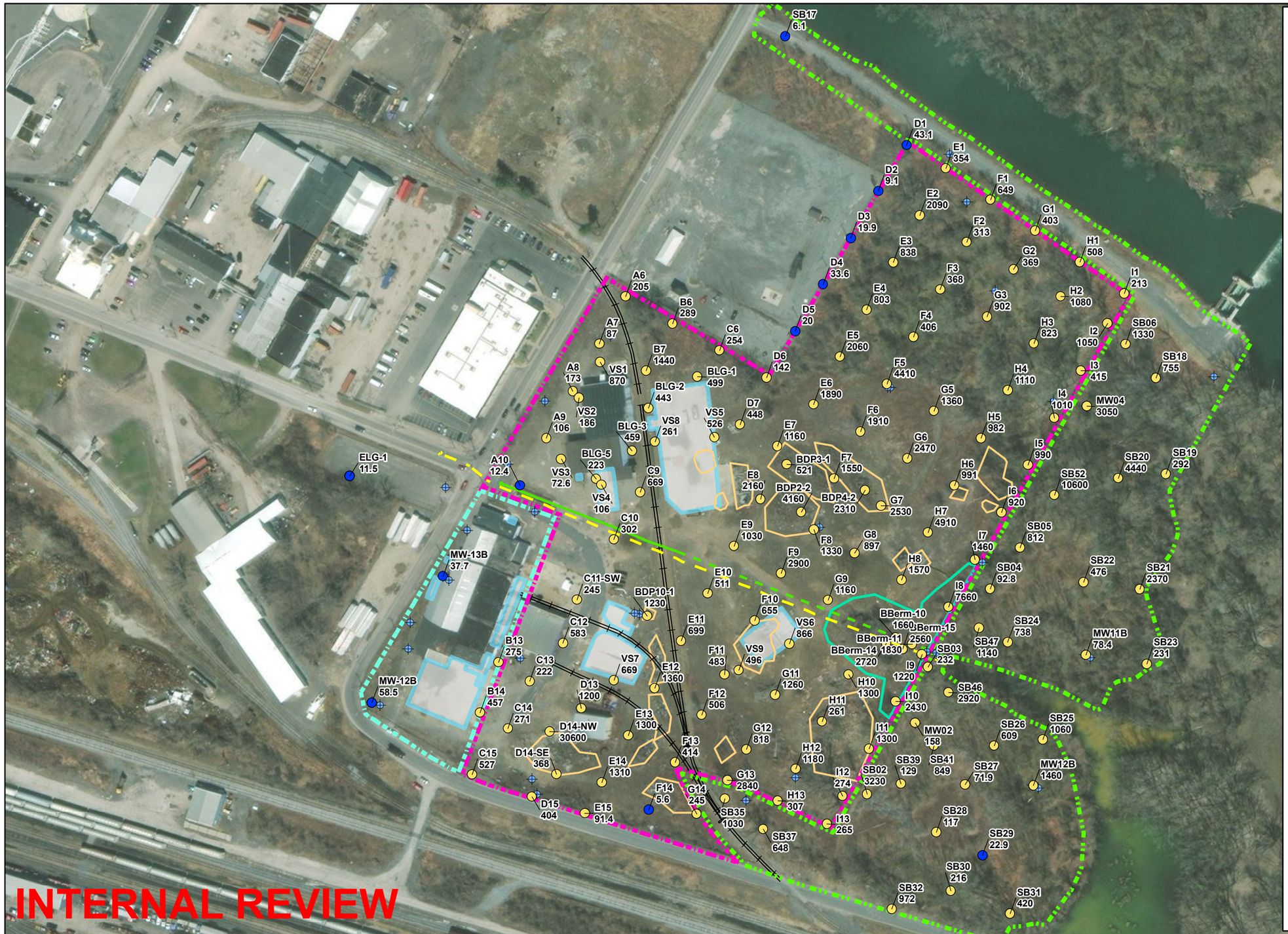
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0 110 220 330 440
Feet

Copper in Subsurface Soil
(22' to 24')

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INTERNAL REVIEW

LEGEND

Lead Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
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- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection on Ecological Resources - 63 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

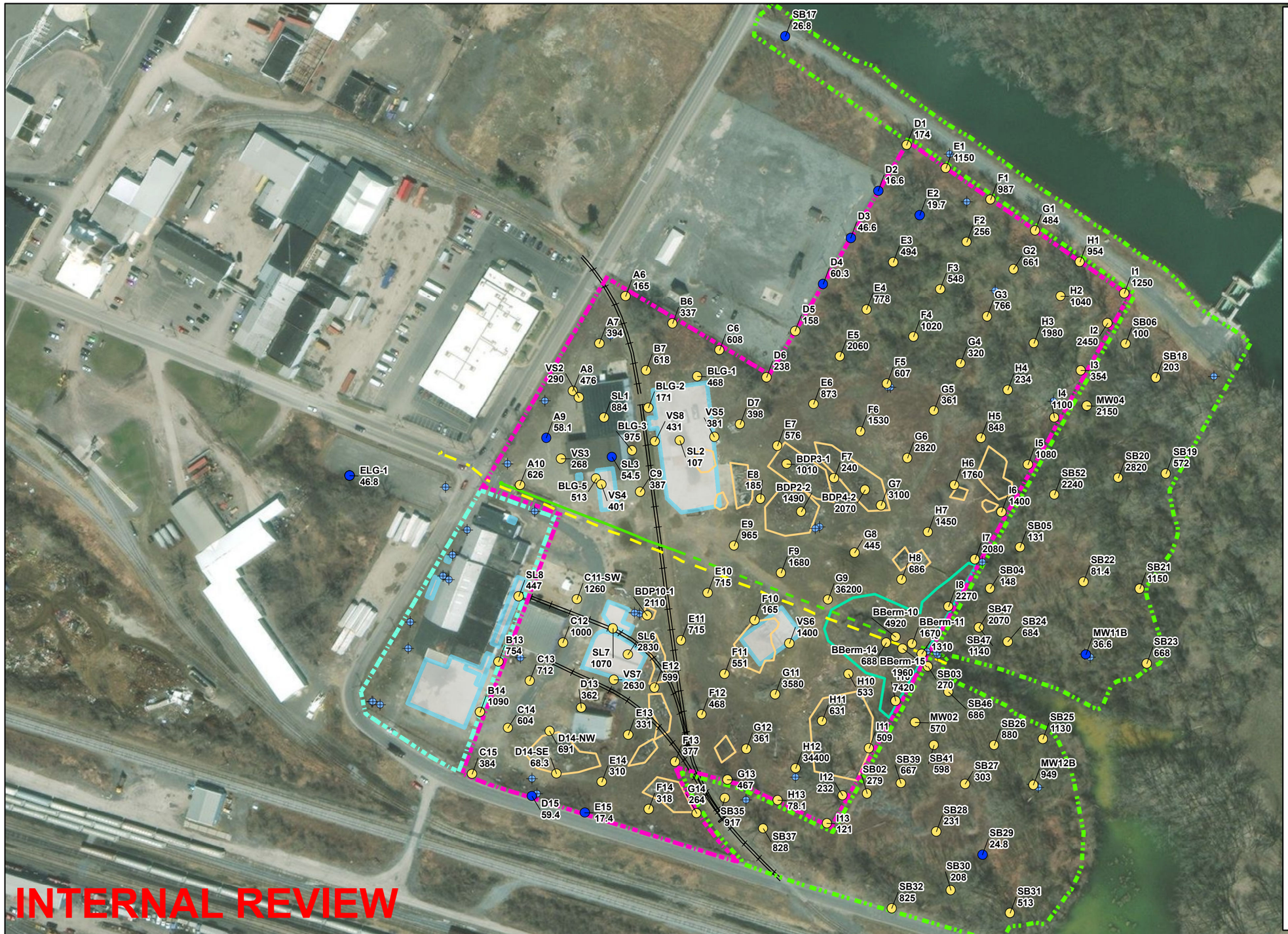
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Feet

Lead in Surface Soil
(0 to 2")

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INTERNAL REVIEW

LEGEND

Lead Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection on Ecological Resources - 63 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

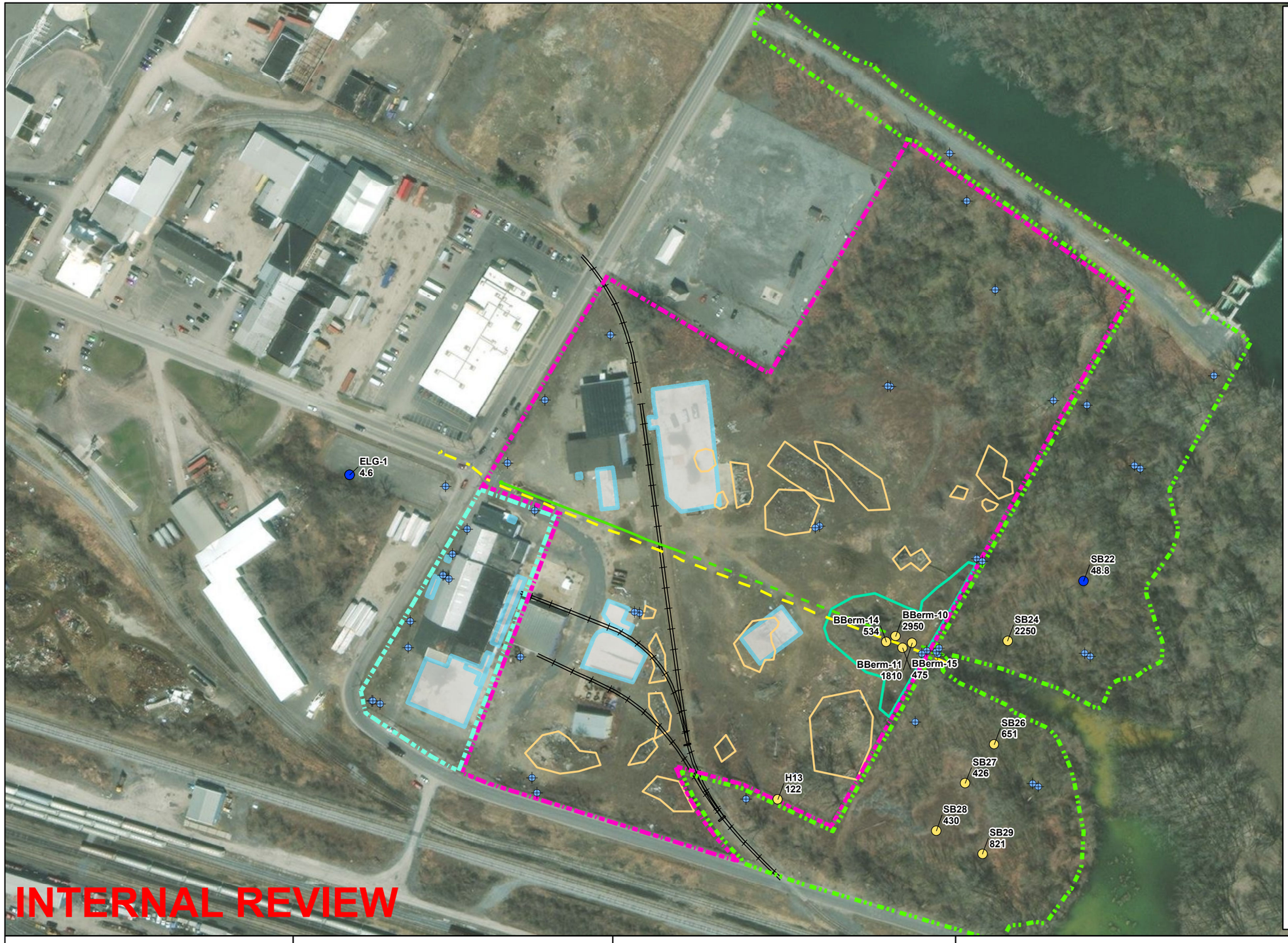
0 110 220 330 440

Feet

Lead in Subsurface Soil (2" to 2')

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LEGEND

Lead Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection on Ecological Resources - 63 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Lead in Subsurface Soil
(2' to 4')

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INTERNAL REVIEW

LEGEND

Lead Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection on Ecological Resources - 63 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Lead in Subsurface Soil
(4' to 6')

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LEGEND

Lead Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection on Ecological Resources - 63 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Lead in Subsurface Soil
(6' to 8')

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INTERNAL REVIEW

LEGEND

Lead Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection on Ecological Resources - 63 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Lead in Subsurface Soil
(8' to 10')

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LEGEND

Lead Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
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- Estimated Sanitary Sewer Location
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- Berm Location
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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection on Ecological Resources - 63 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

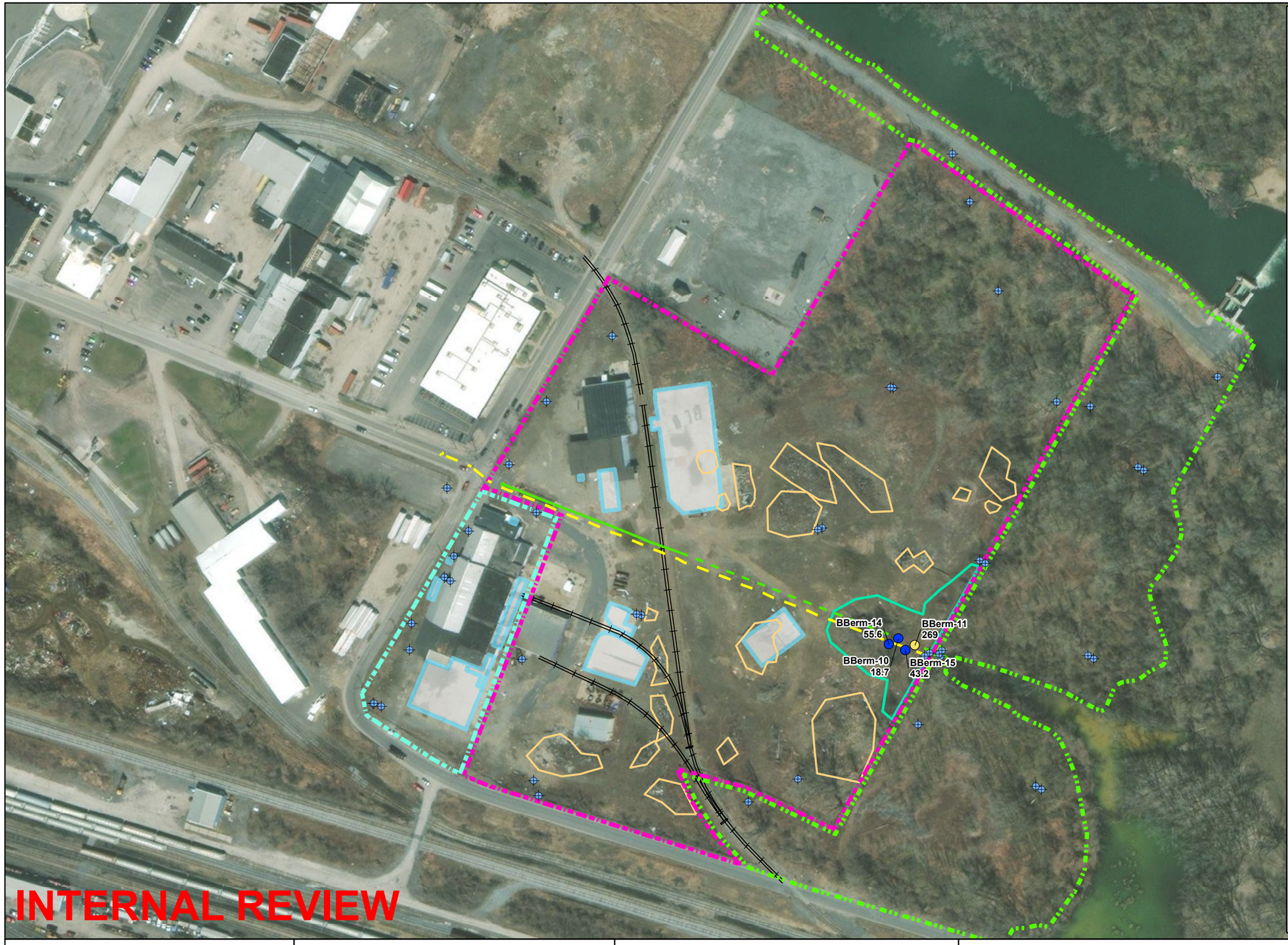
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Feet

Lead in Subsurface Soil
(10' to 12')

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LEGEND

Lead Exceedances:

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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection on Ecological Resources - 63 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

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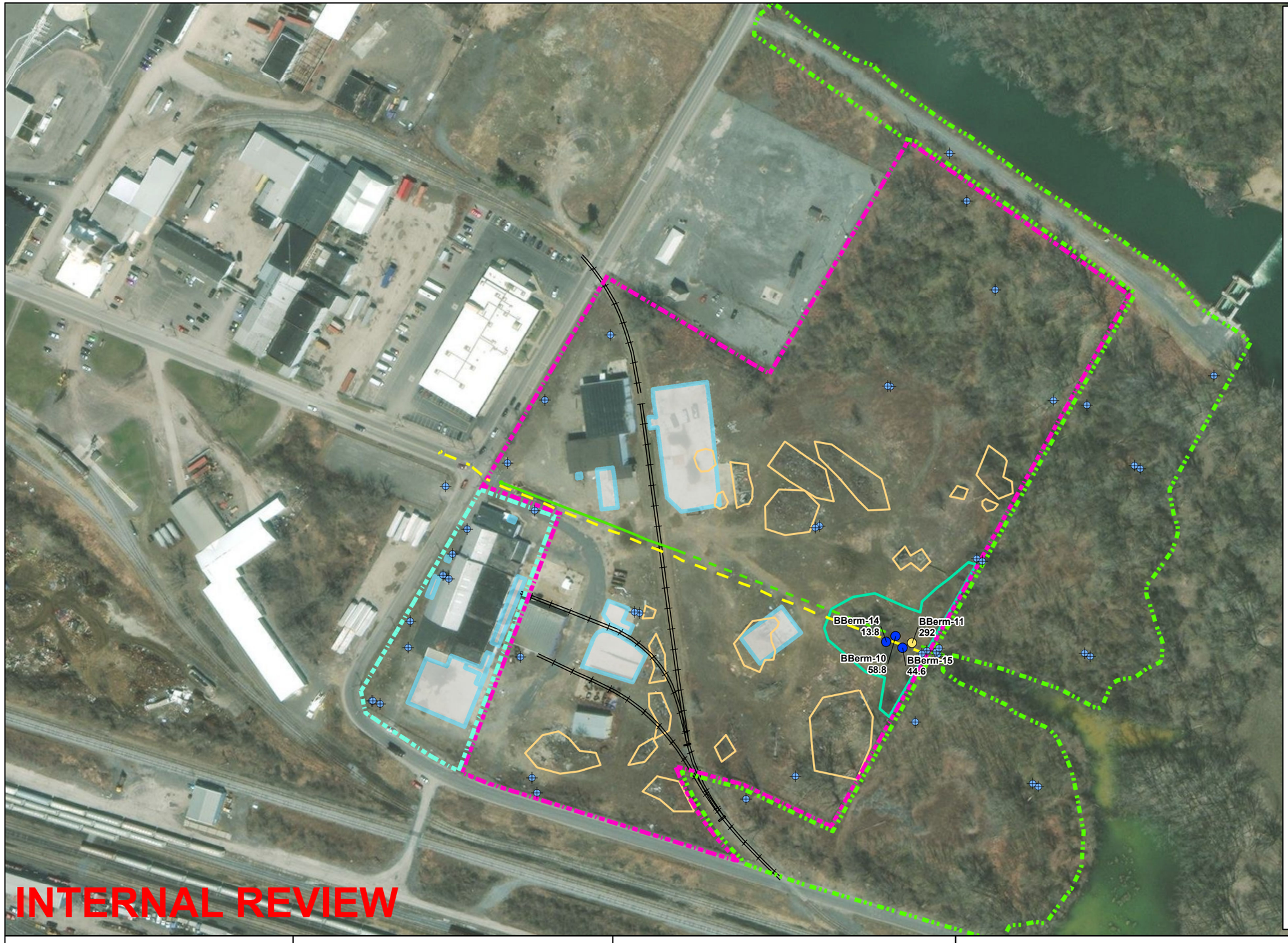
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Feet

Lead in Subsurface Soil
(12' to 14')

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LEGEND

Lead Exceedances:

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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection on Ecological Resources - 63 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

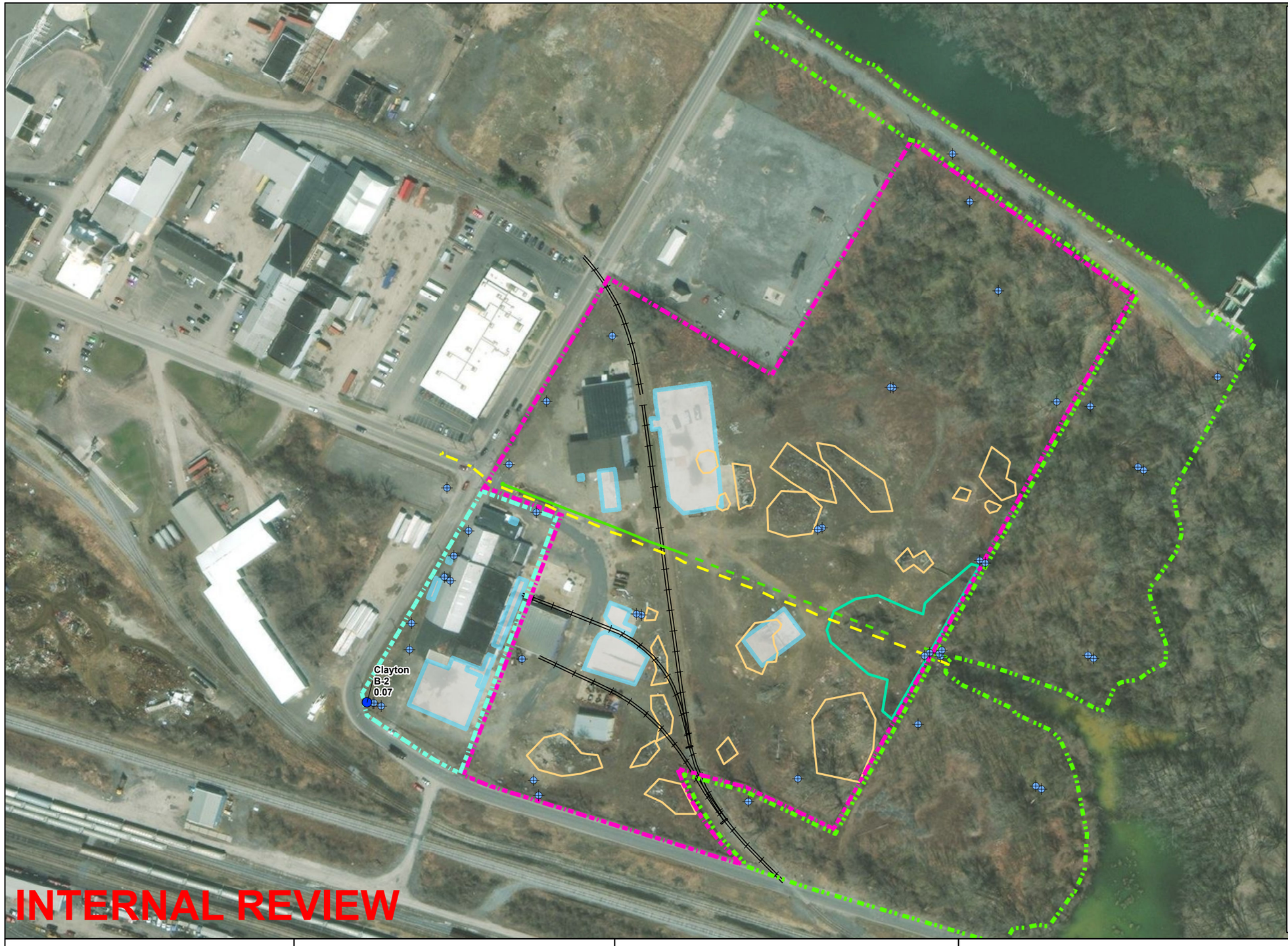
0 110 220 330 440

Feet

Lead in Subsurface Soil
(14' to 16')

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LEGEND

Lead Exceedances:

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- Estimated Sanitary Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection on Ecological Resources - 63 mg/kg

INTERNAL REVIEW

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

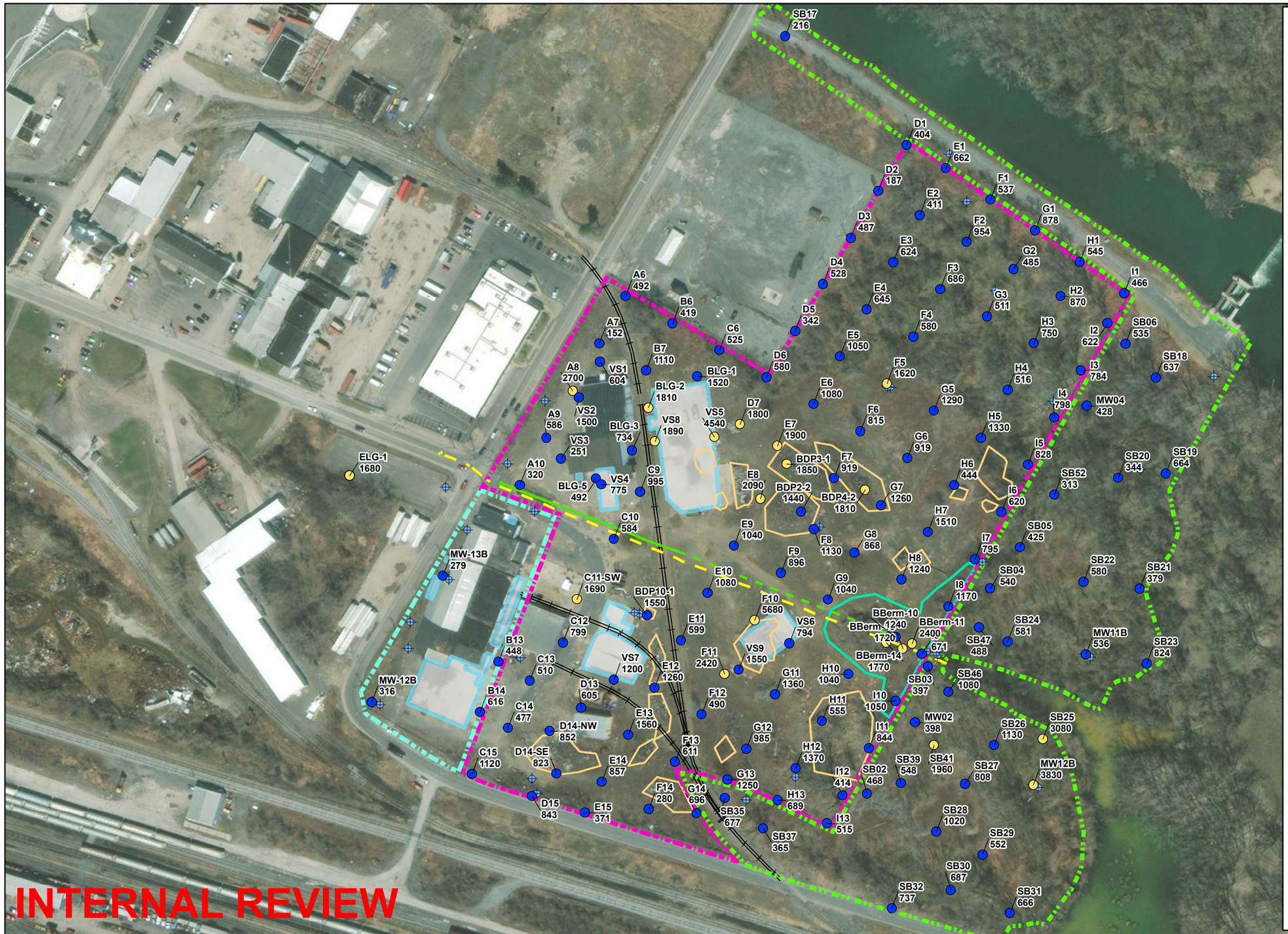
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0 110 220 330 440
Feet

Lead in Subsurface Soil
(20' to 22')

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INTERNAL REVIEW

LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 1600 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

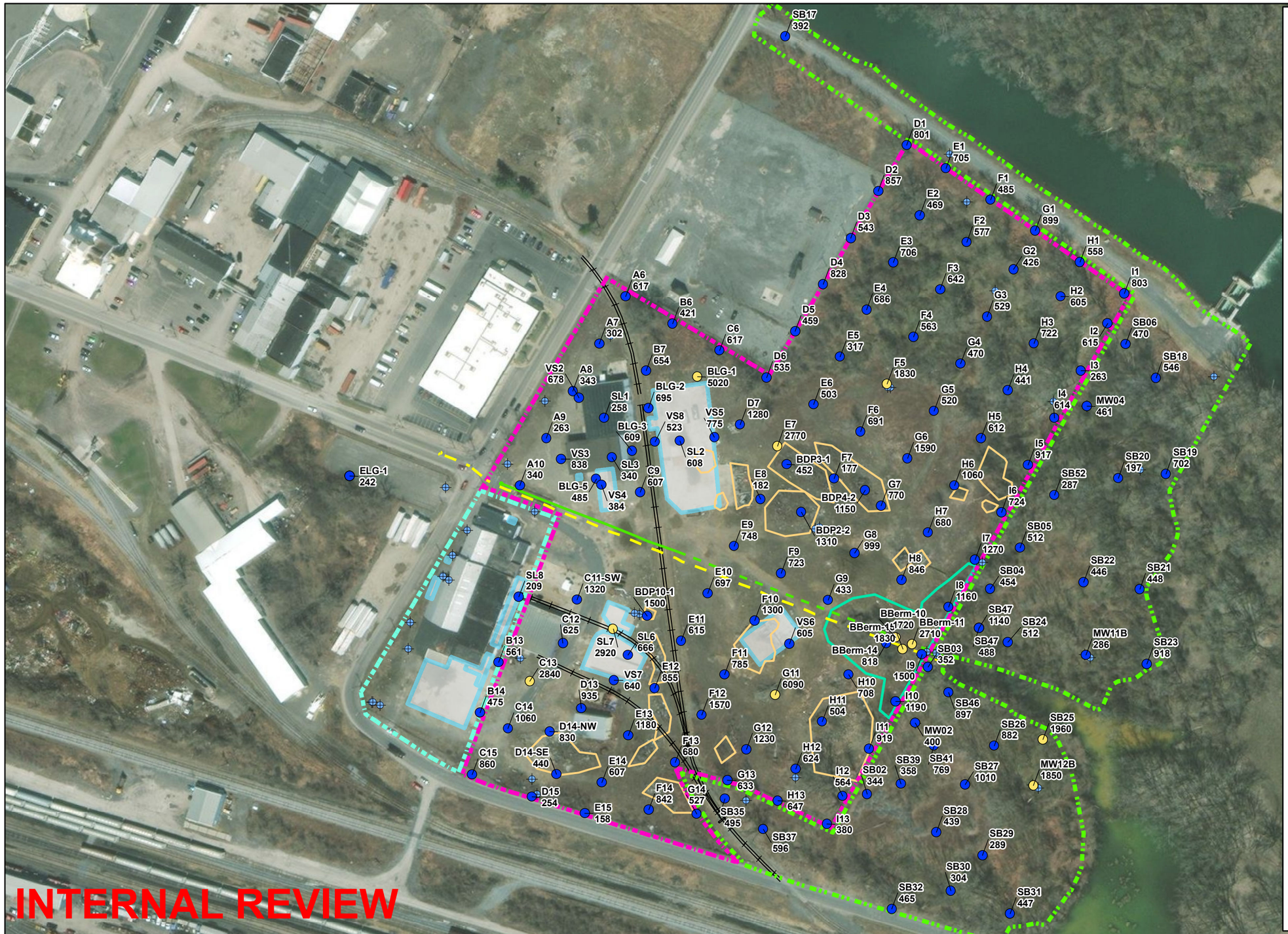
0 110 220 330 440

Feet

Manganese in Surface Soil
(0 to 2")

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LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 1600 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

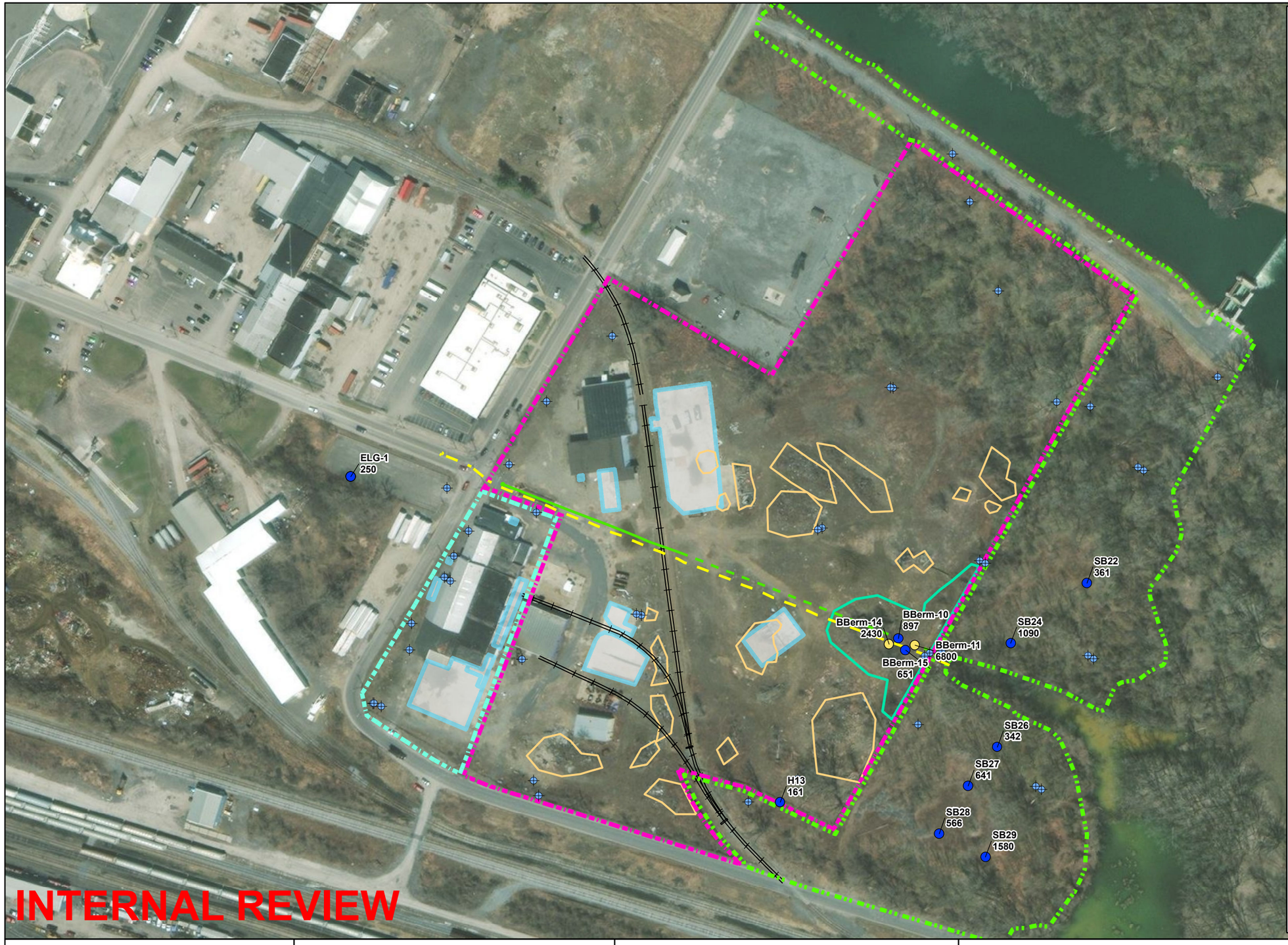
0 110 220 330 440

Feet

Manganese in Subsurface Soil
(2" to 2')

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LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1600 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil
(2' to 4')

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LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1600 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil
(4' to 6')

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LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 1600 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Manganese in Subsurface Soil
(6' to 8')

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LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1600 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil
(8' to 10')

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LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1600 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

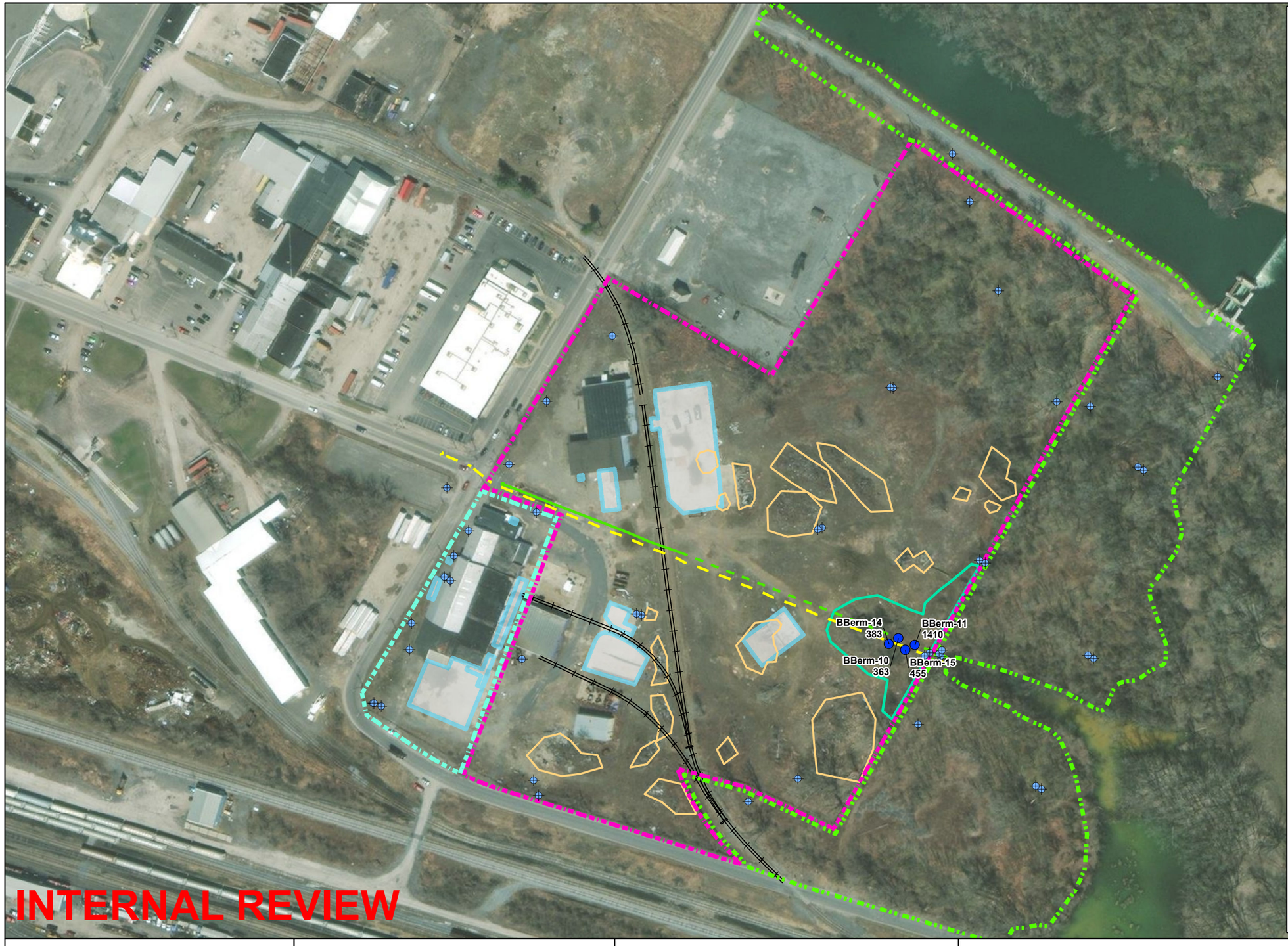
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0 110 220 330 440
Feet

Manganese in Subsurface Soil
(10' to 12')

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LEGEND

Manganese Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
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- Estimated Sanitary Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1600 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

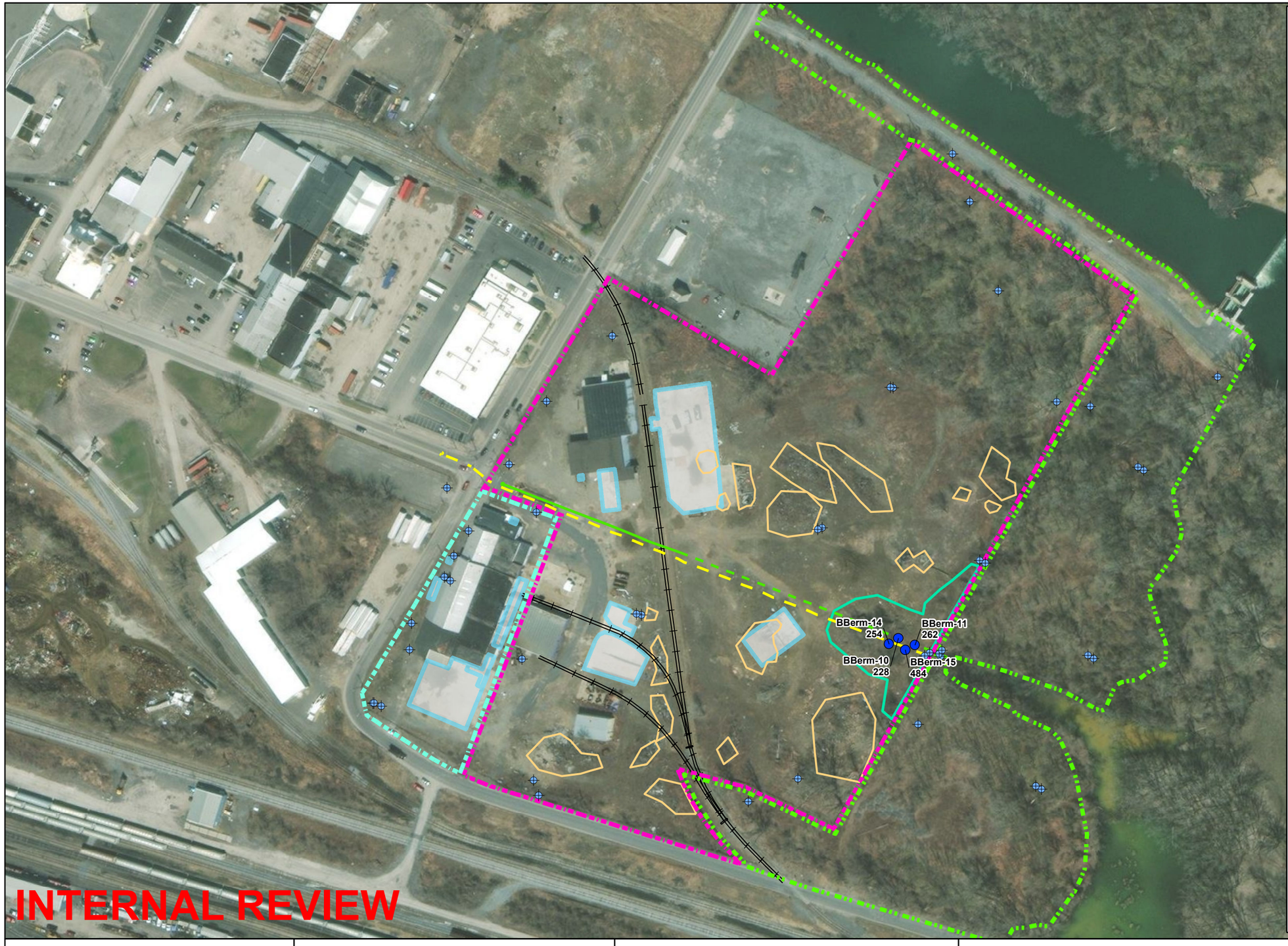
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0 110 220 330 440
Feet

Manganese in Subsurface Soil
(12' to 14')

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INTERNAL REVIEW

LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1600 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Manganese in Subsurface Soil
(14' to 16')

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LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1600 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

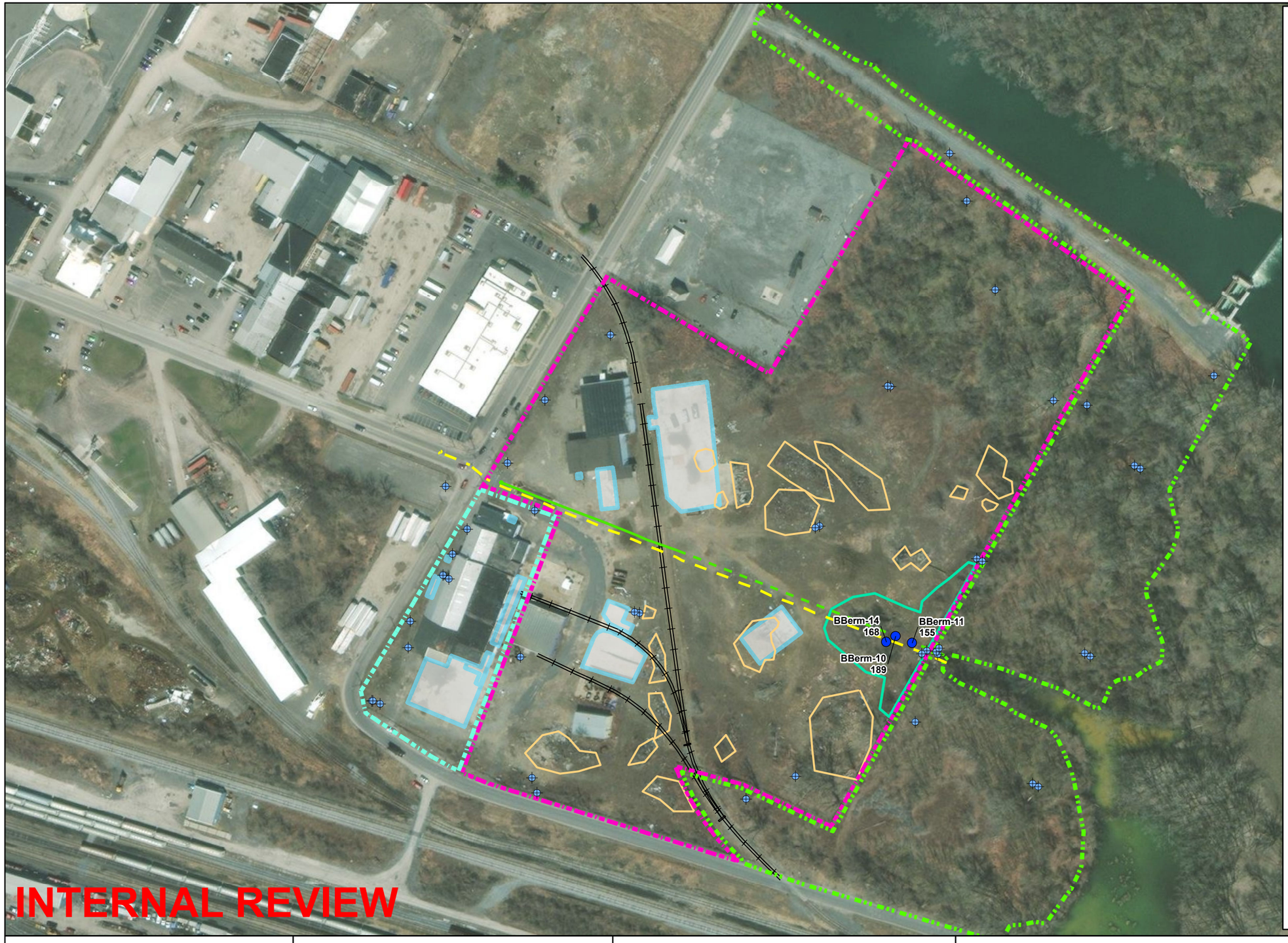
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0 110 220 330 440
Feet

Manganese in Subsurface Soil
(16' to 18')

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LEGEND

Manganese Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1600 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

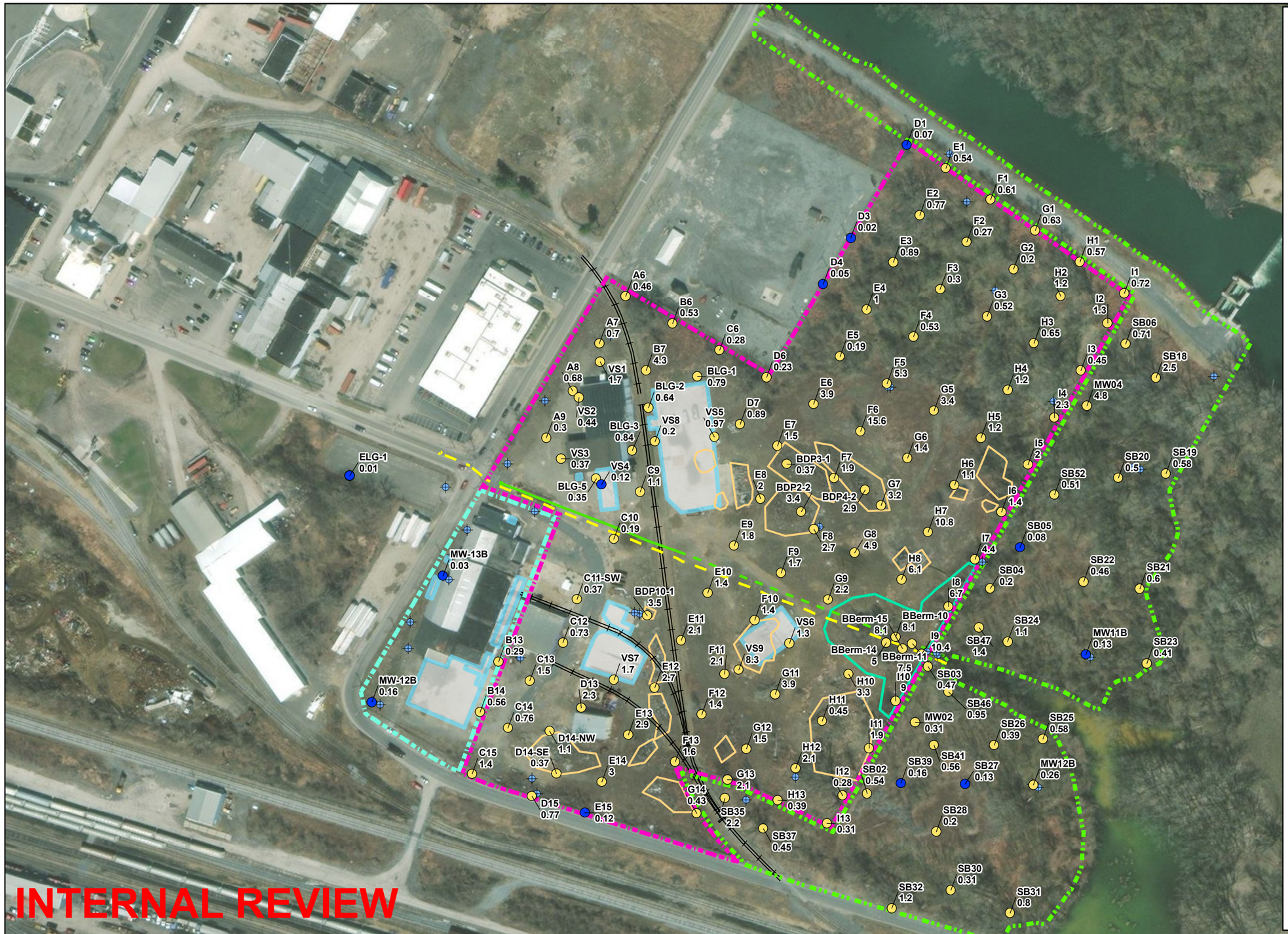
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0 110 220 330 440
Feet

Manganese in Subsurface Soil
(18' to 20')

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INTERNAL REVIEW

LEGEND

Mercury Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 0.18 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

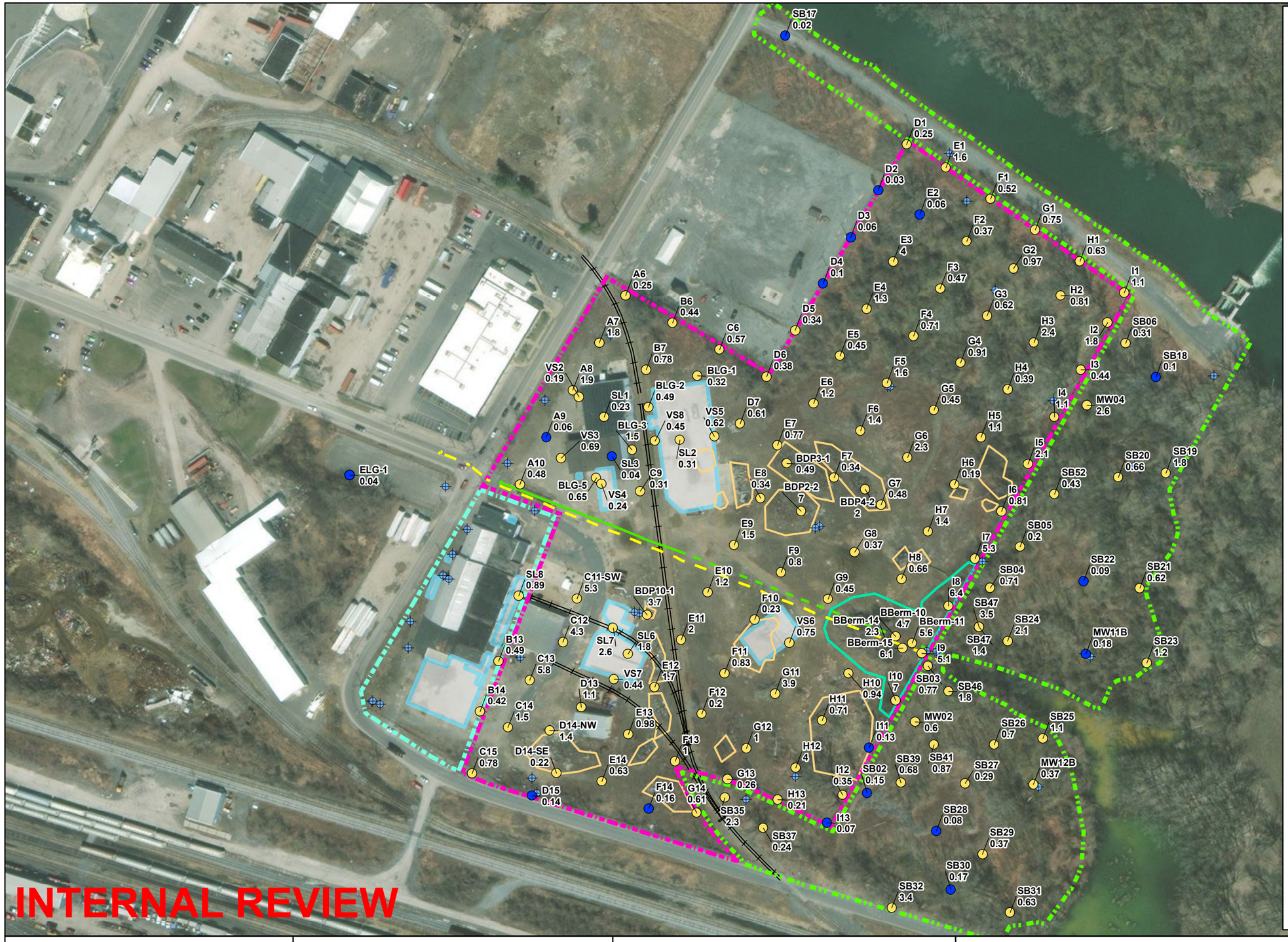
0 110 220 330 440

Feet

Mercury in Surface Soil
(0 to 2")

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INTERNAL REVIEW

LEGEND

Mercury Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
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- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 0.18 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

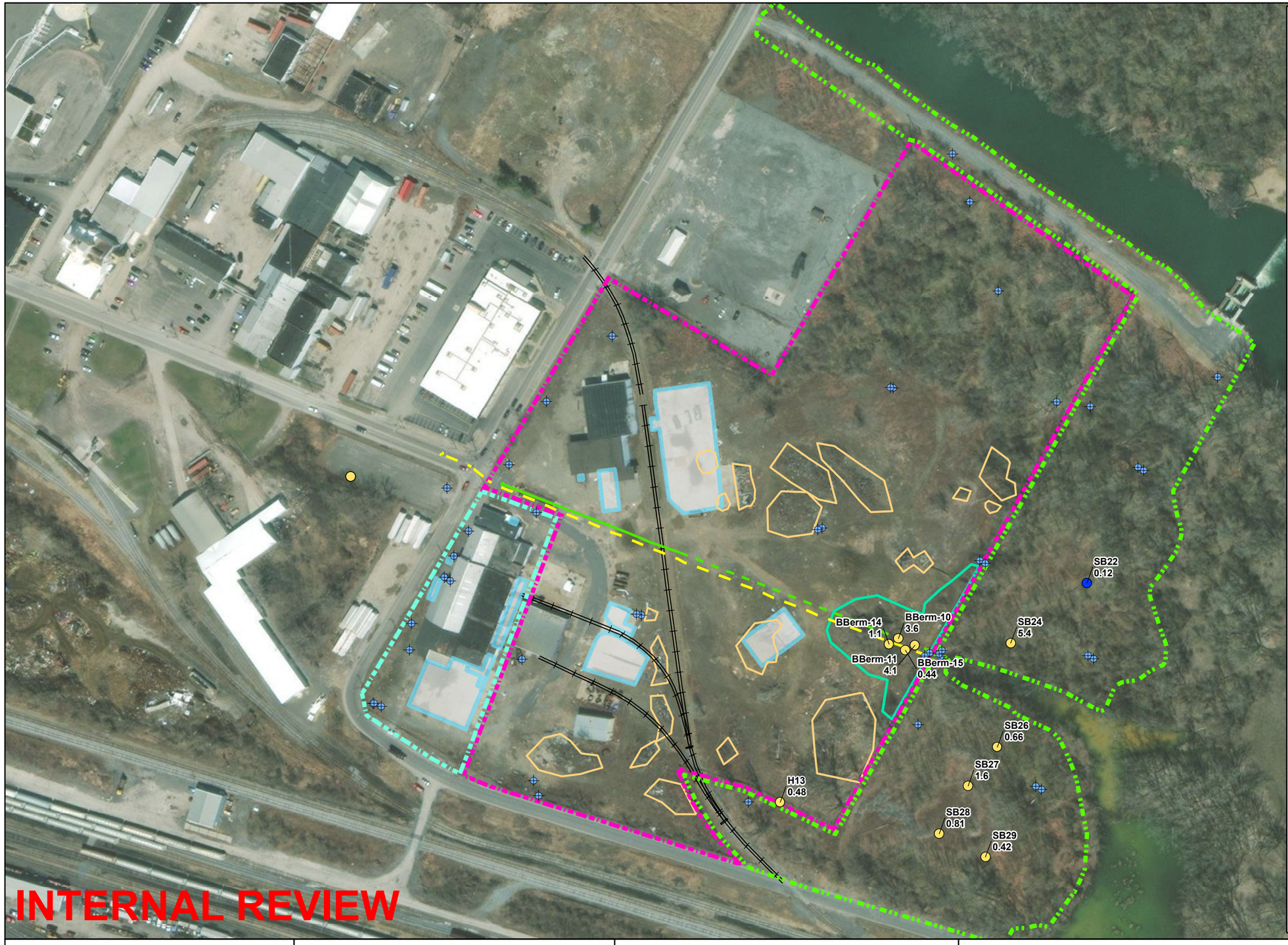
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0 110 220 330 440
Feet

Mercury in Subsurface Soil
(2" to 2')

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LEGEND

Mercury Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
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- Debris Pile Edge
- Berm Location
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- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 0.18 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(2' to 4')

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LEGEND

Mercury Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 0.18 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(4' to 6')

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LEGEND

Mercury Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 0.18 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

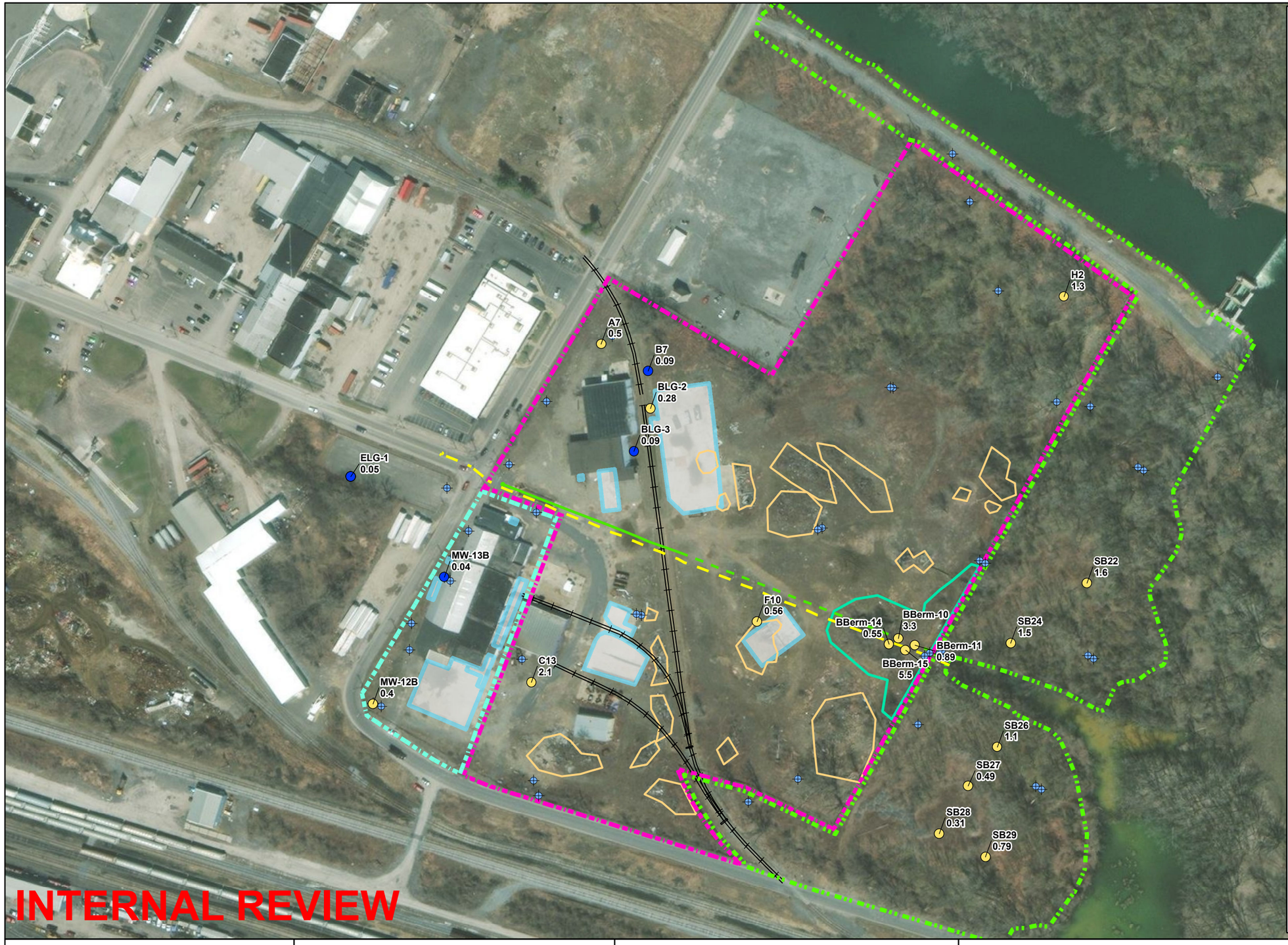
N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(6' to 8')

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LEGEND

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 0.18 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(8' to 10')

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INTERNAL REVIEW

LEGEND

Mercury Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 0.18 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

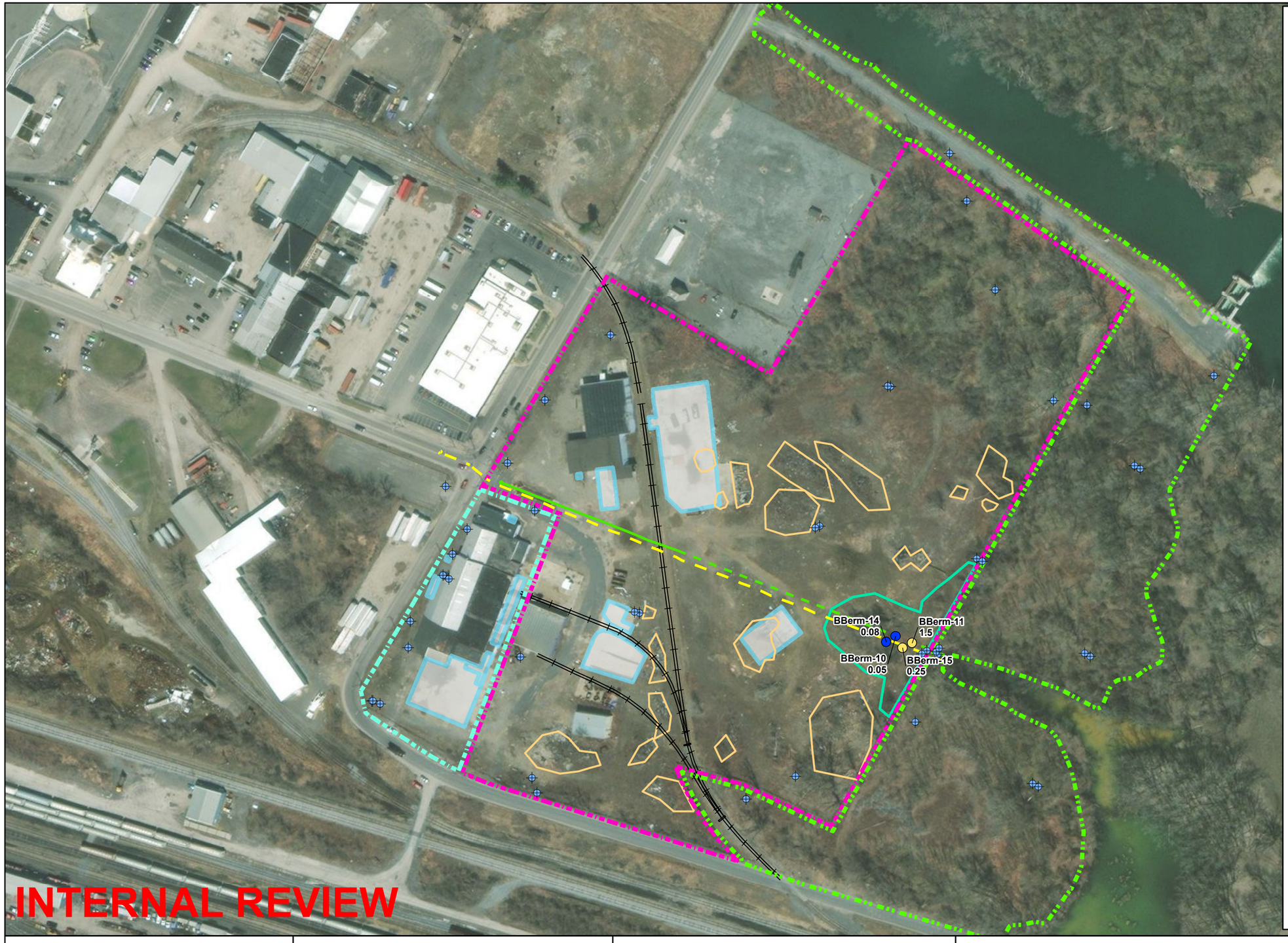
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0 110 220 330 440
Feet

Mercury in Subsurface Soil
(10' to 12')

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LEGEND

Mercury Exceedances:

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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 0.18 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

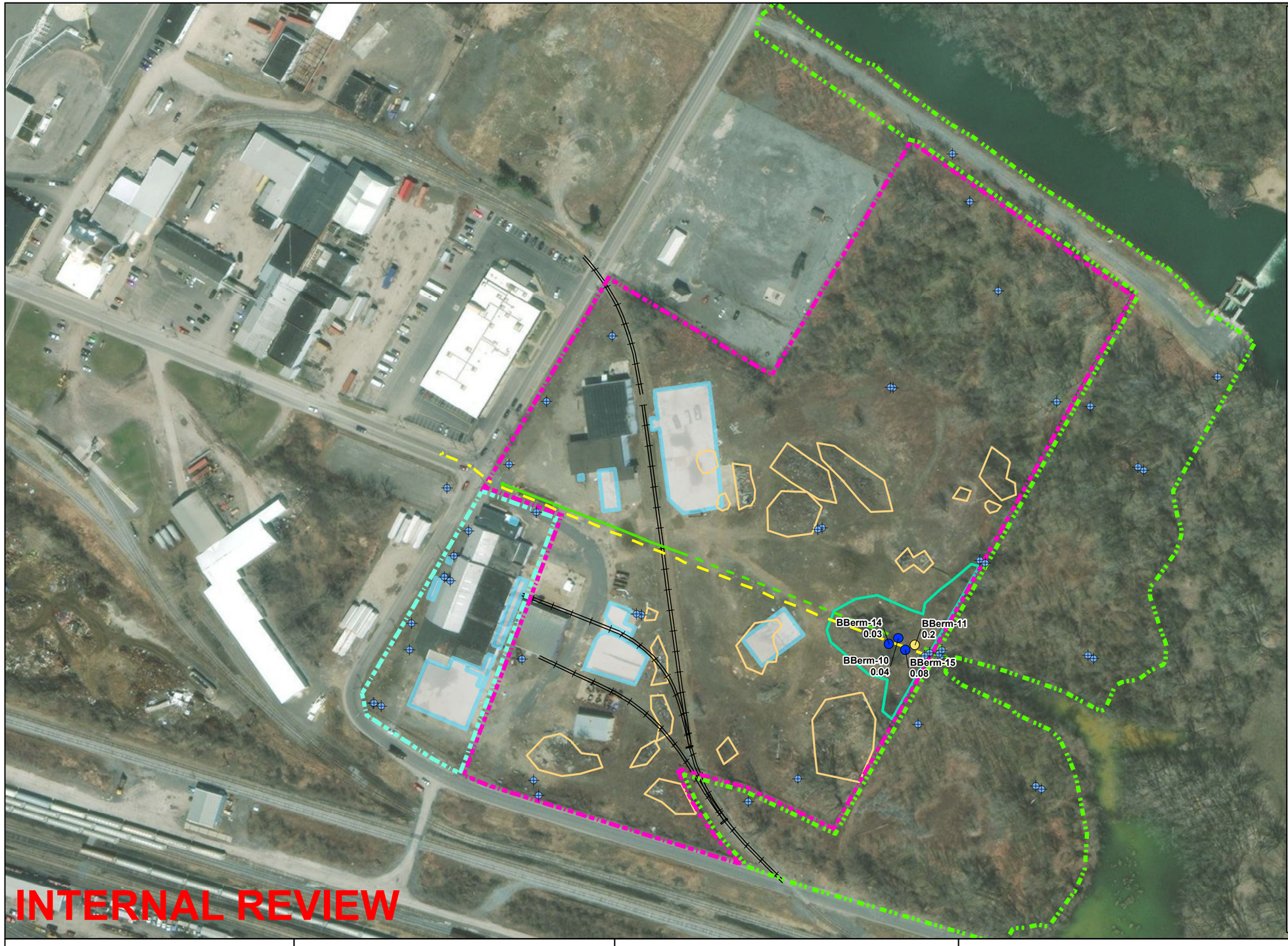
N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(12' to 14')

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INTERNAL REVIEW

LEGEND

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 0.18 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(14' to 16')

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LEGEND

Mercury Exceedances:

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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 0.18 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Mercury in Subsurface Soil
(18' to 20')

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LEGEND

Nickel Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

INTERNAL REVIEW

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Surface Soil
(0 to 2")

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INTERNAL REVIEW

LEGEND

Nickel Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(2" to 2')

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LEGEND

Nickel Exceedances:

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- Monitoring Well
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- Estimated Sanitary Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(2' to 4')

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LEGEND

Nickel Exceedances:

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- Storm Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(4' to 6')

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LEGEND

Nickel Exceedances:

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- Monitoring Well
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(6' to 8')

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LEGEND

Nickel Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(8' to 10')

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LEGEND

Nickel Exceedances:

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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(10' to 12')

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LEGEND

Nickel Exceedances:

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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

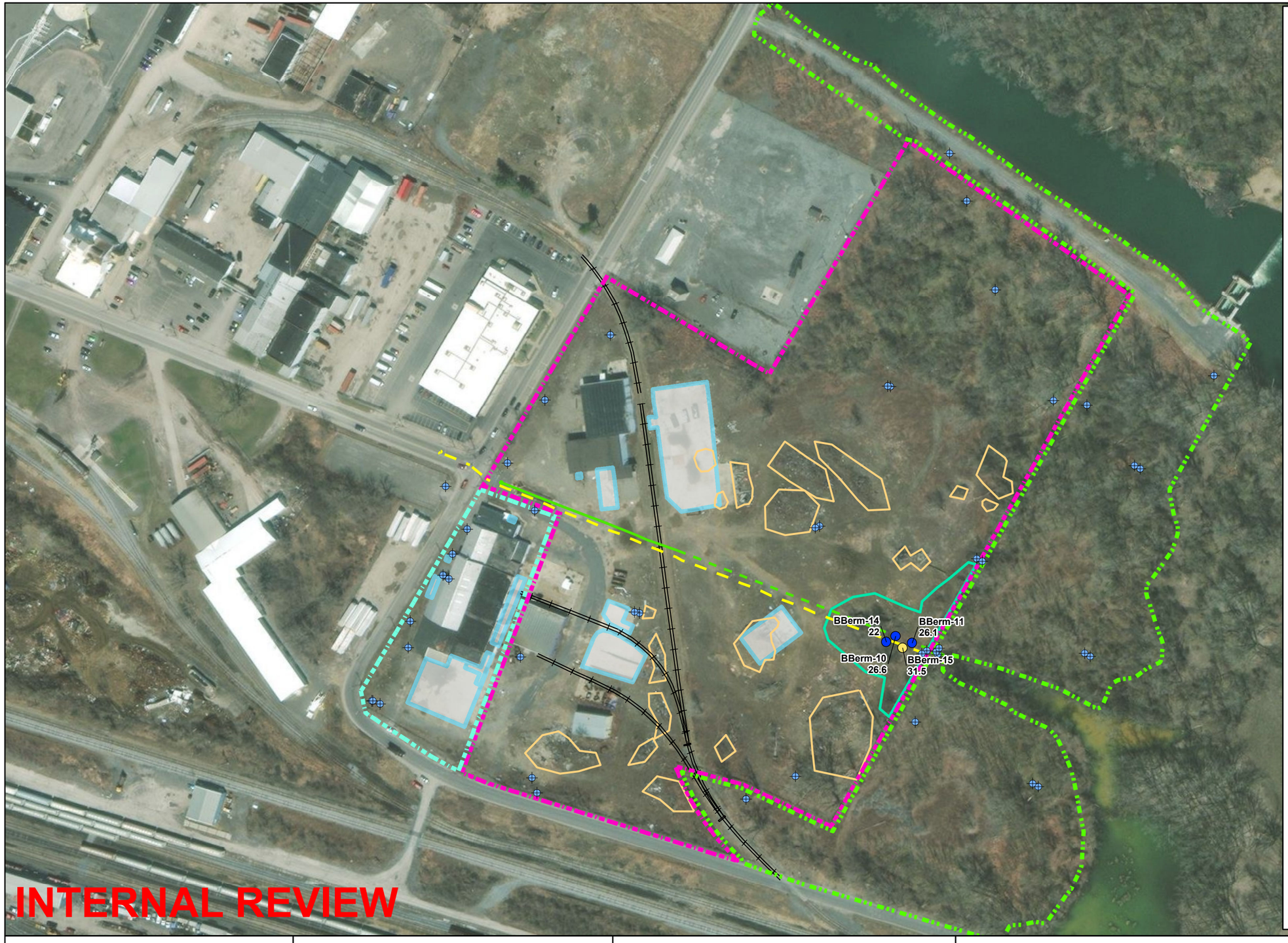
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0 110 220 330 440
Feet

Nickel in Subsurface Soil
(12' to 14')

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LEGEND

Nickel Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

INTERNAL REVIEW

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(14' to 16')

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LEGEND

Nickel Exceedances:

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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 30 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Nickel in Subsurface Soil
(18' to 20')

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LEGEND

Silver Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 2 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

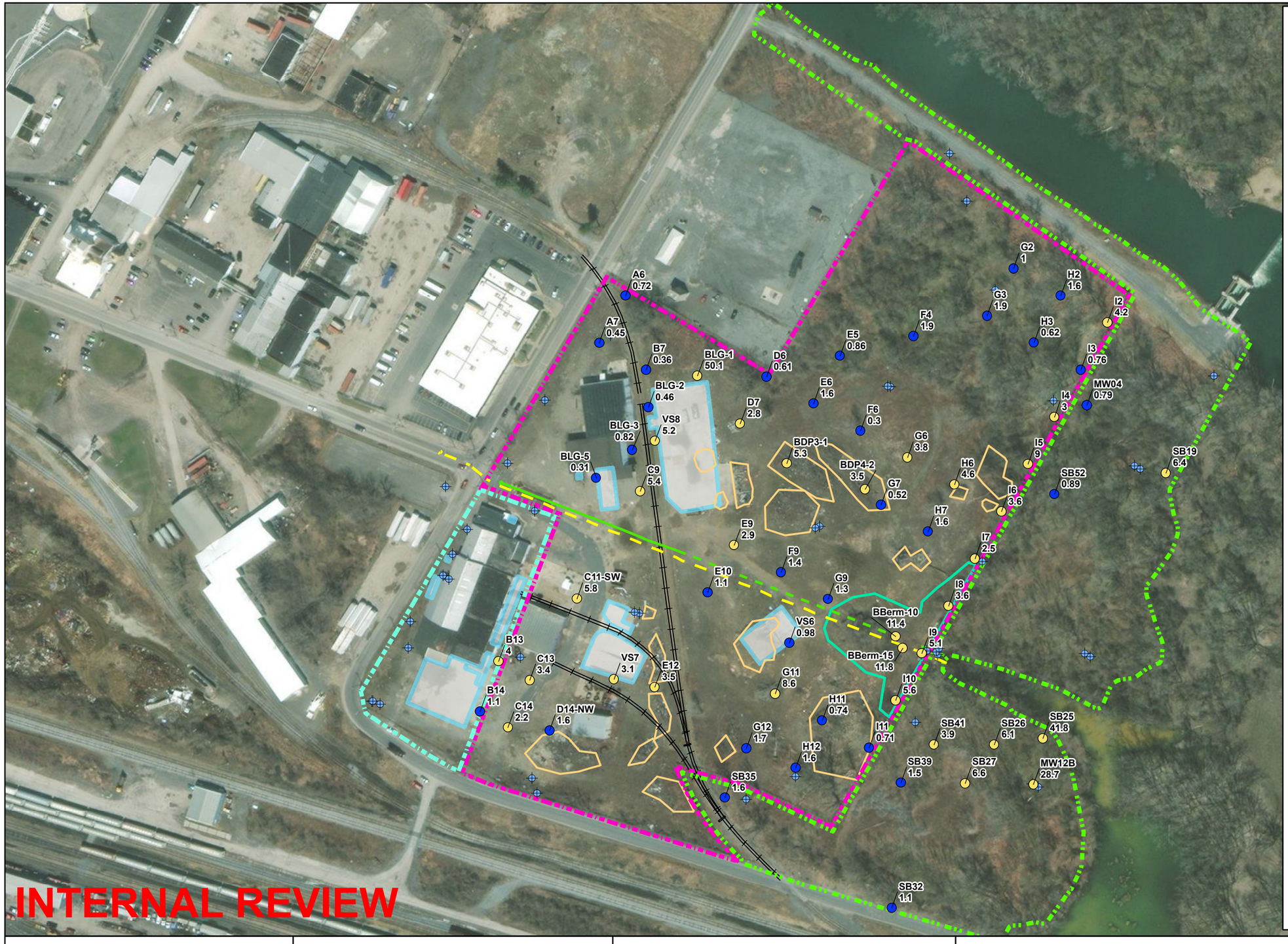
N

0 110 220 330 440
Feet

Silver in Surface Soil
(0 to 2")

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INTERNAL REVIEW

LEGEND

Silver Exceedances:

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- OU3 Boundary
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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 2 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Silver in Subsurface Soil
(2" to 2')

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INTERNAL REVIEW

LEGEND

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- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 2 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

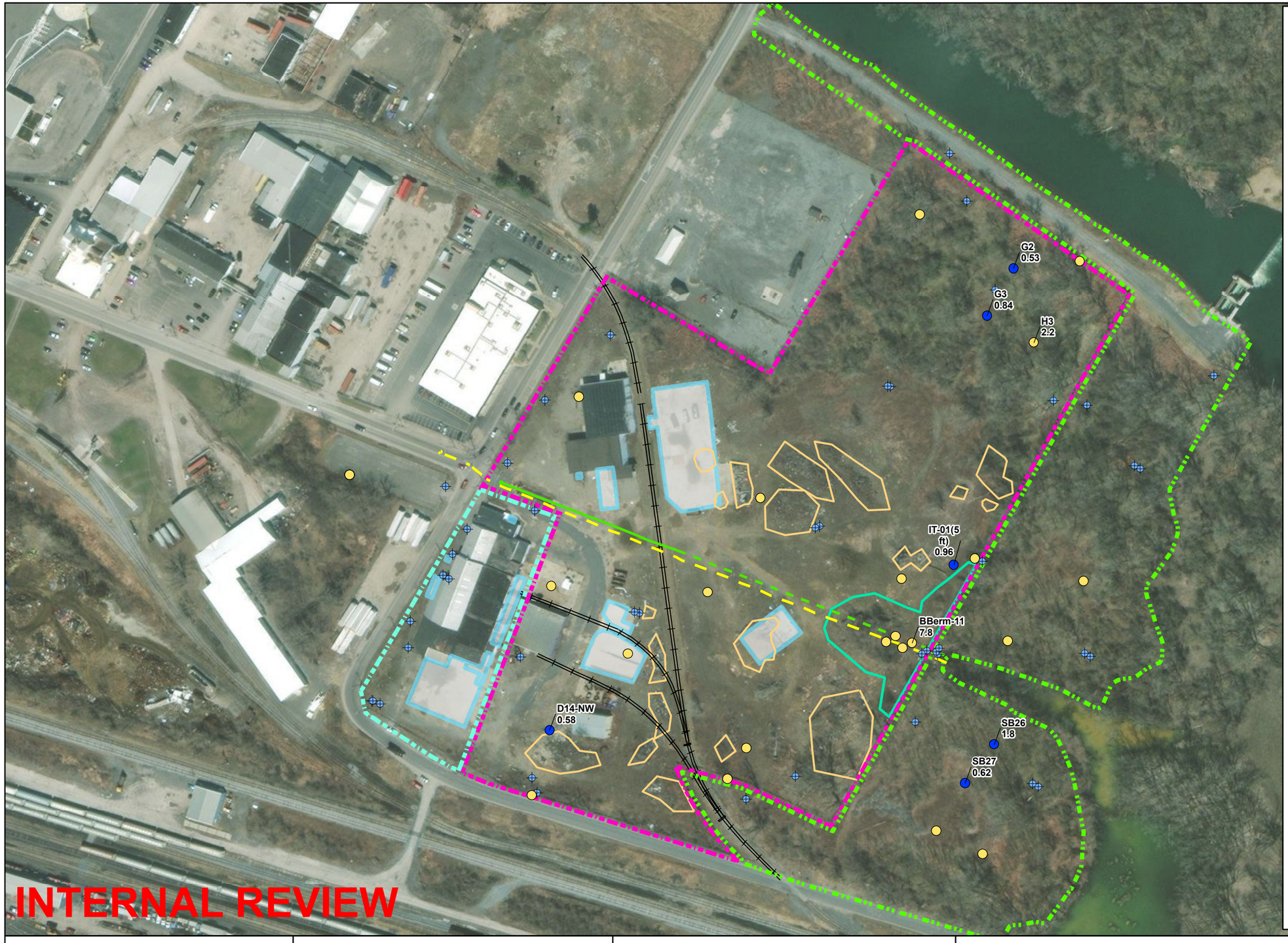
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0 110 220 330 440
Feet

Silver in Subsurface Soil
(2' to 4')

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- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 2 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

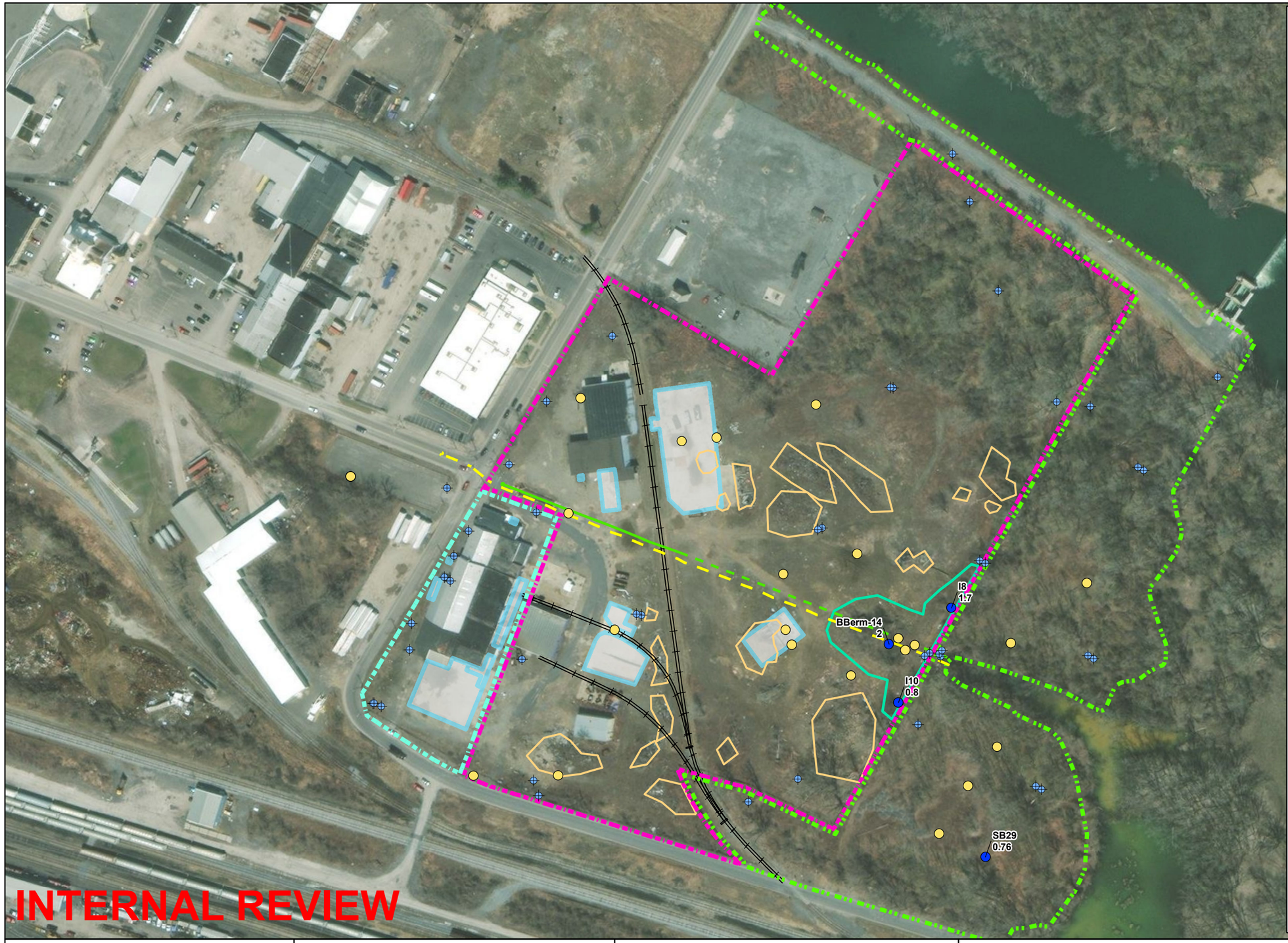
N

0 110 220 330 440
Feet

Silver in Subsurface Soil
(4' to 6')

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LEGEND

Silver Exceedances:

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- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 2 mg/kg

INTERNAL REVIEW

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Silver in Subsurface Soil
(6' to 8')

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INTERNAL REVIEW

LEGEND

Silver Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 2 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

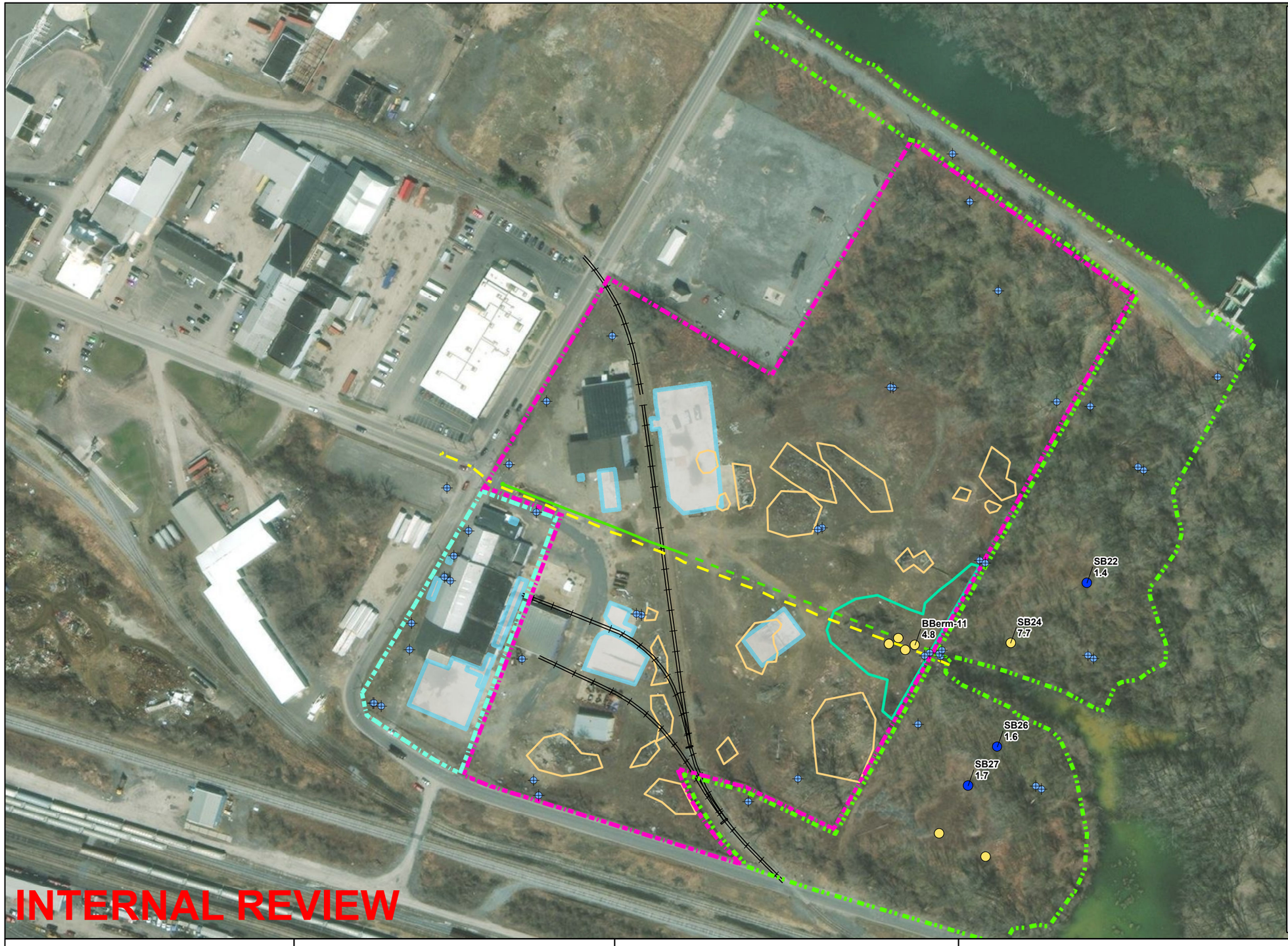
N

0 110 220 330 440
Feet

Silver in Subsurface Soil
(8' to 10')

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LEGEND

Silver Exceedances:

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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 2 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

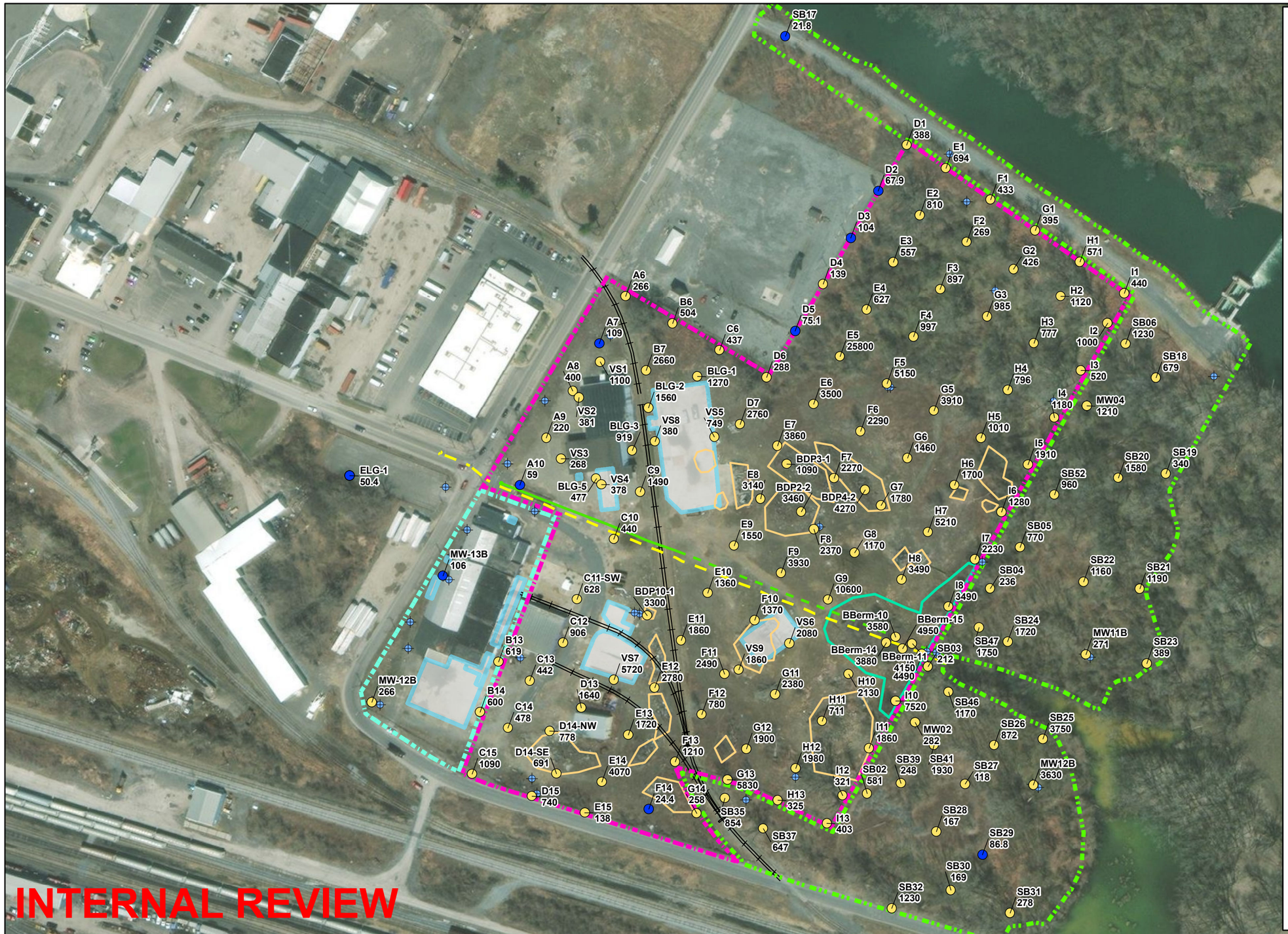
N

0 110 220 330 440
Feet

Silver in Subsurface Soil
(10' to 12')

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INTERNAL REVIEW

LEGEND

Zinc Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 109 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Zinc in Surface Soil
(0 to 2")

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INTERNAL REVIEW

LEGEND

Zinc Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 109 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Zinc in Subsurface Soil
(2" to 2')

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LEGEND

Zinc Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 109 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Zinc in Subsurface Soil
(2' to 4')

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LEGEND

Zinc Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 109 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Zinc in Subsurface Soil
(4' to 6')

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LEGEND

Zinc Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 109 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Zinc in Subsurface Soil
(6' to 8')

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LEGEND

Zinc Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 109 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Zinc in Subsurface Soil
(8' to 10')

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LEGEND

Zinc Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 109 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

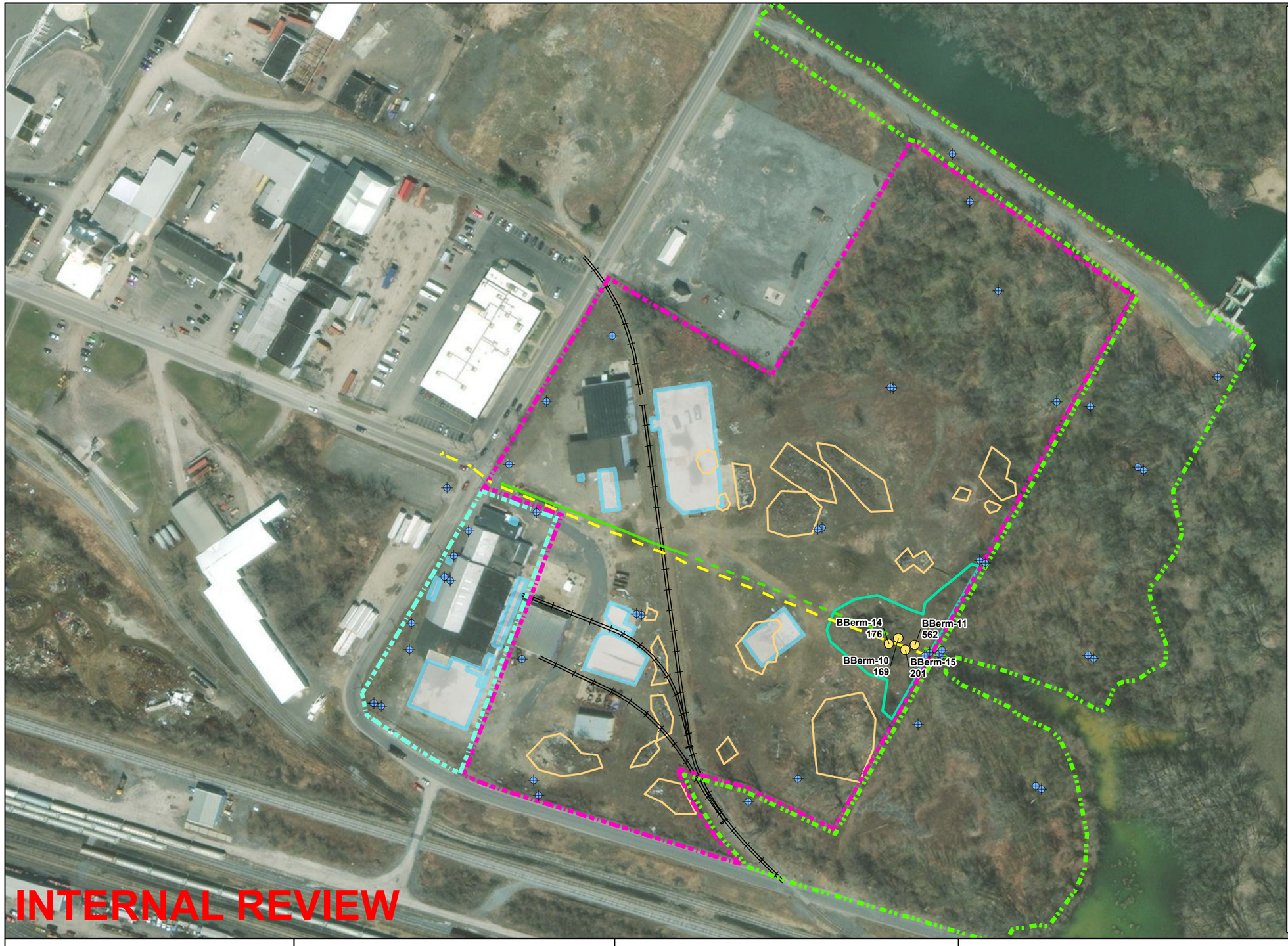
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Feet

Zinc in Subsurface Soil
(10' to 12')

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LEGEND

Zinc Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 109 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

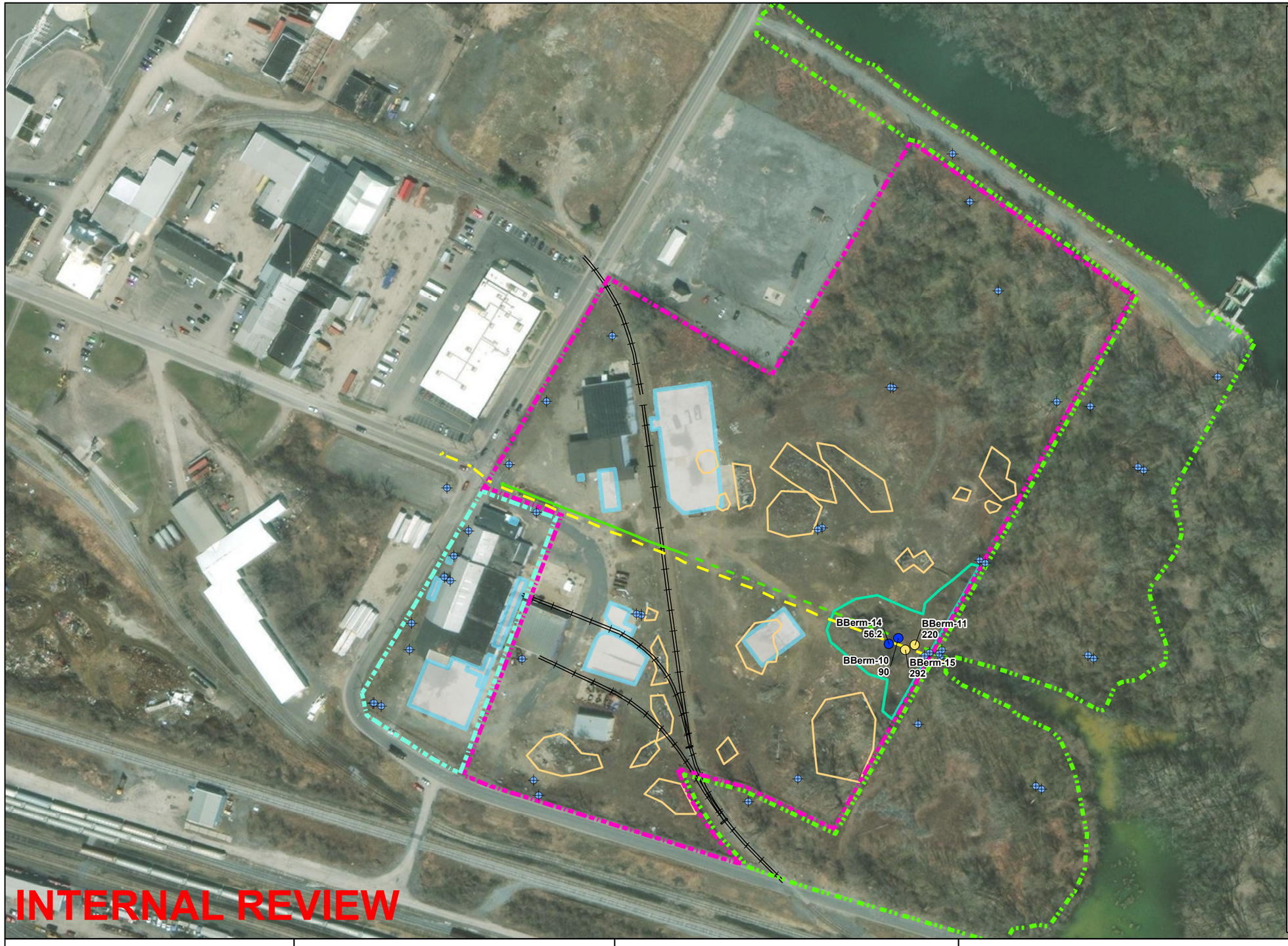
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Feet

Zinc in Subsurface Soil
(12' to 14')

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INTERNAL REVIEW

LEGEND

Zinc Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 109 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

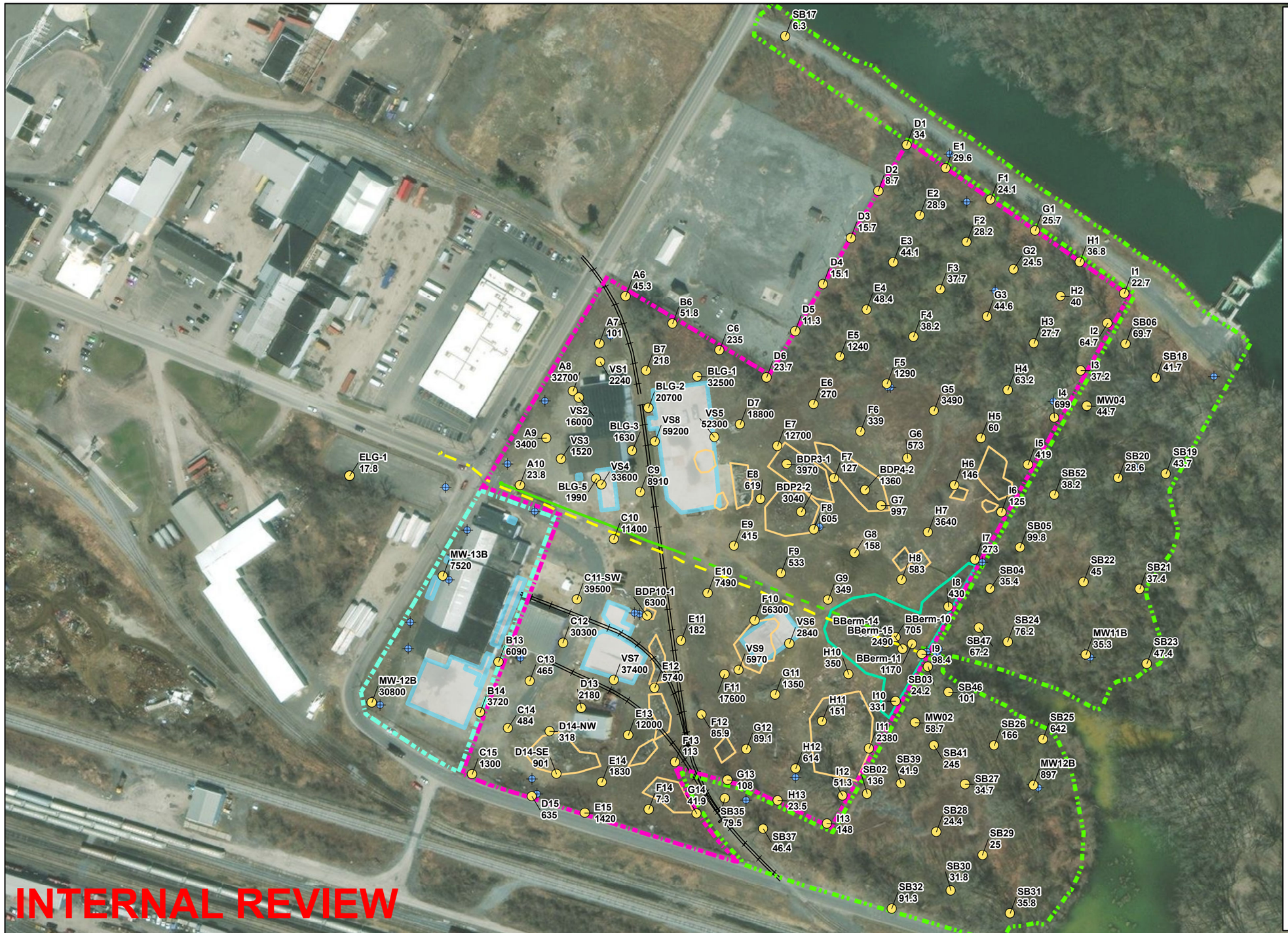
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0 110 220 330 440
Feet

Zinc in Subsurface Soil
(14' to 16')

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LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Chromium in Surface Soil
(0 to 2")

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INTERNAL REVIEW

LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:

NYSDEC SCOs

Protection of Ecological Resources - 1 mg/kg

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Chromium in Subsurface Soil
(2" to 2')

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LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1 mg/kg

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UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(2' to 4')

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LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1 mg/kg

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(4' to 6')

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LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1 mg/kg

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(6' to 8')

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INTERNAL REVIEW

LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1 mg/kg

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(8' to 10')

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LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1 mg/kg

INTERNAL REVIEW

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

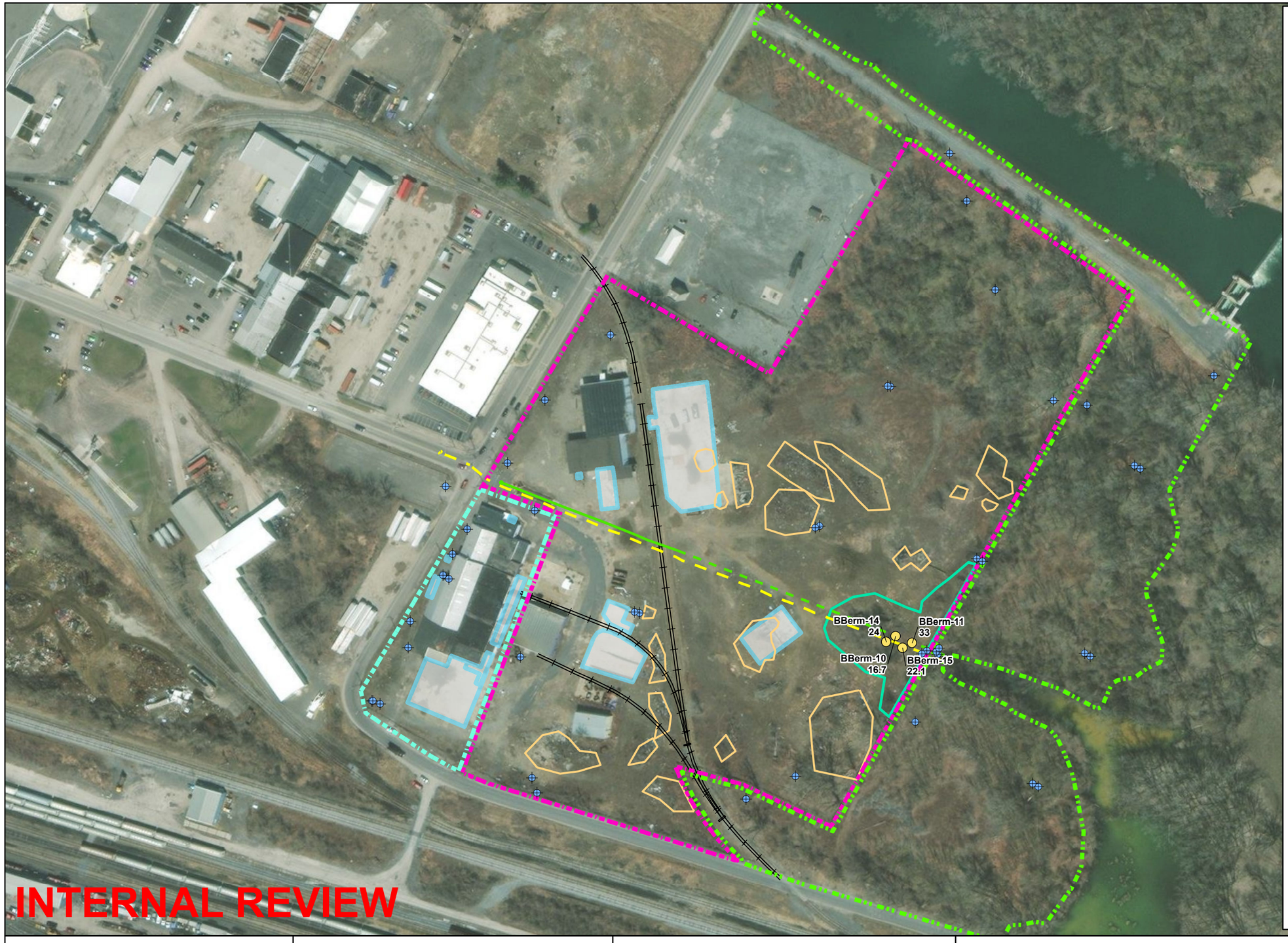
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Feet

Chromium in Subsurface Soil
(10' to 12')

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LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1 mg/kg

INTERNAL REVIEW

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

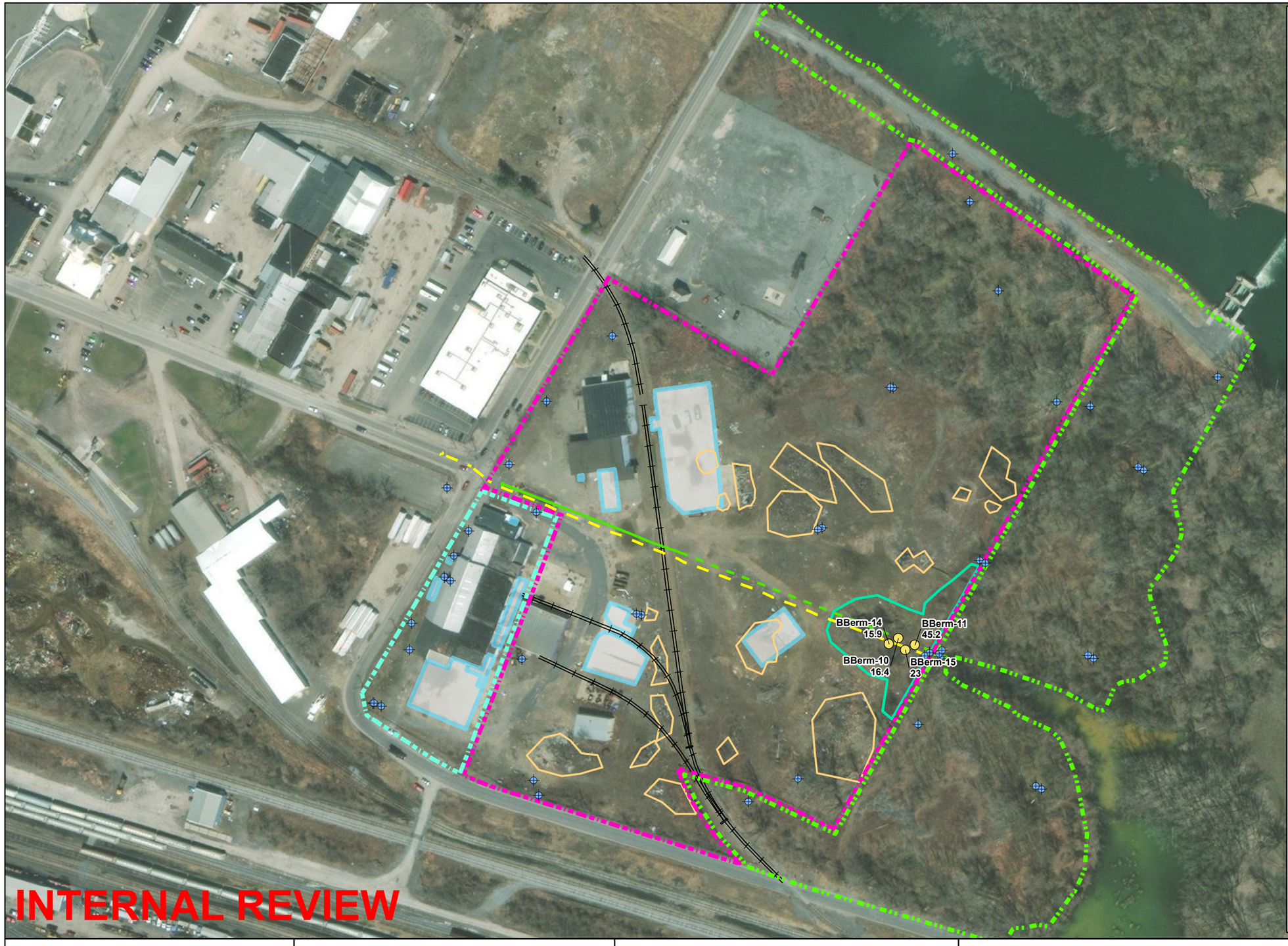
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0 110 220 330 440
Feet

Chromium in Subsurface Soil
(12' to 14')

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LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1 mg/kg

INTERNAL REVIEW

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UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(14' to 16')

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LEGEND

Chromium Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site Boundary
- Railroad
- Concrete Slab

Notes:
NYSDEC SCOs
Protection of Ecological Resources - 1 mg/kg

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UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Chromium in Subsurface Soil
(18' to 20')

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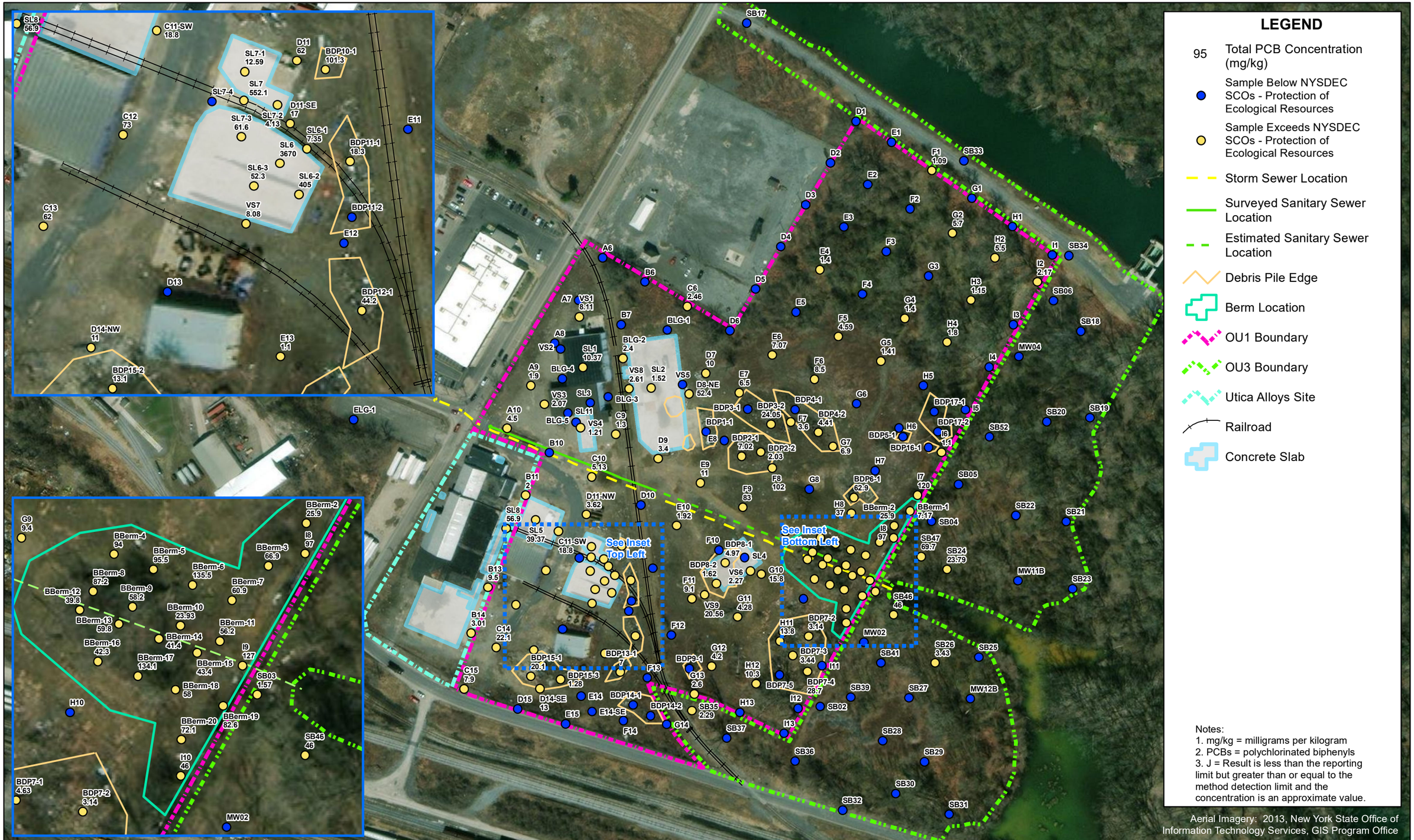
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FIGURE 1
Total PCBs in Surface Soil
(0-2")

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

FIGURE 2
Total PCBs in Surface Soil (2"-1')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_ECO.mxd

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Storm Sewer Location
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UTICA, NEW YORK

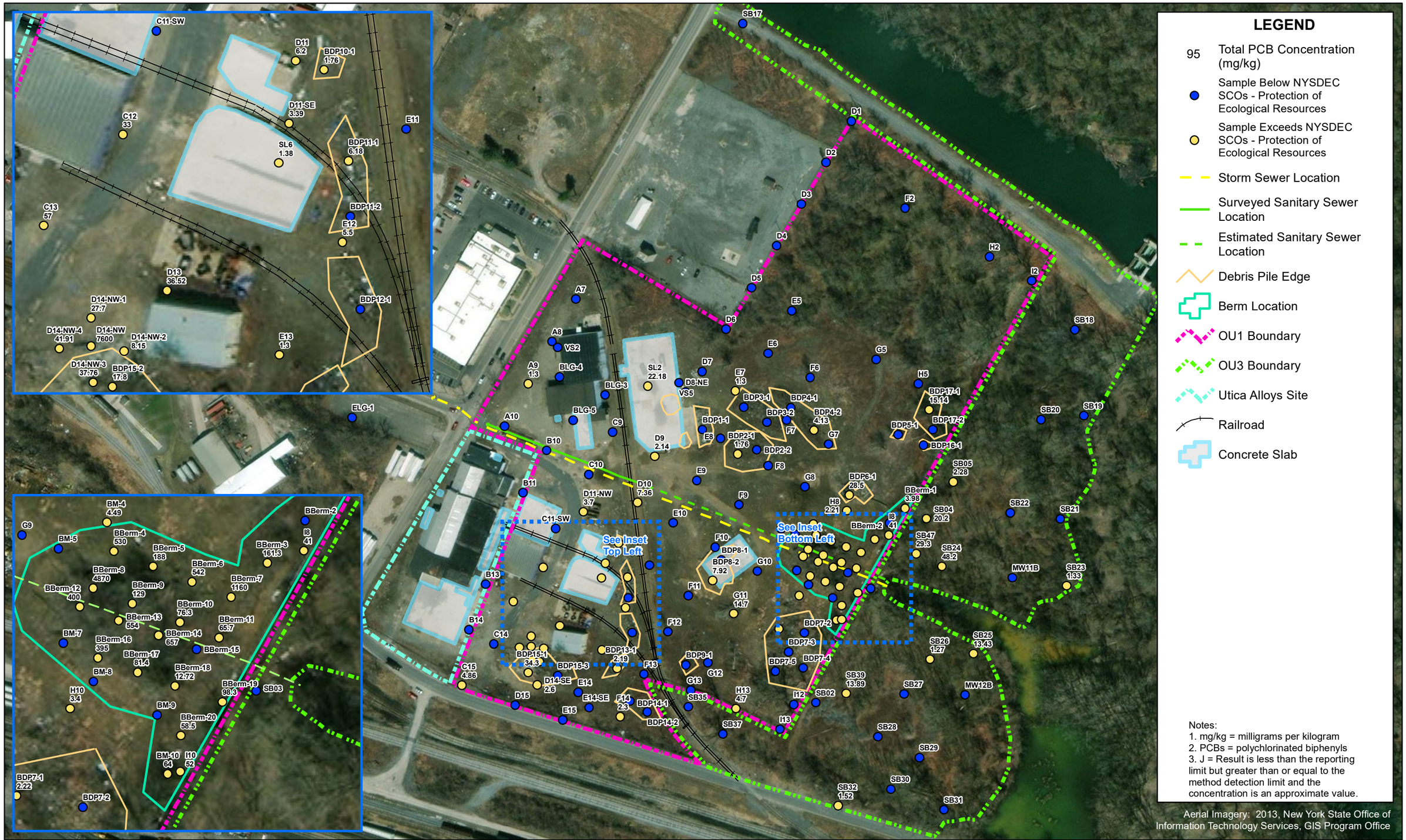
N

0 110 220 330 440
Feet

FIGURE 3
Total PCBs in Subsurface Soil (1'-2')

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Ecological Resources
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- Storm Sewer Location
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UTICA, NEW YORK

N

0 110 220 330 440
Feet

FIGURE 4
Total PCBs in Subsurface Soil (2'-4')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_ECO.mxd

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N

0 110 220 330 440
Feet

FIGURE 5
Total PCBs in Subsurface Soil
(4'-6')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_ECO.mxd

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
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- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

Notes:
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Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office

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N

0 110 220 330 440
Feet

FIGURE 6
Total PCBs in Subsurface Soil (6'-8')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_ECO.mxd

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Notes:
1. mg/kg = milligrams per kilogram
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EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

FIGURE 7
Total PCBs in Subsurface Soil (8'-10')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_ECO.mxd

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EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

FIGURE 8
Total PCBs in Suubsrface Soil
(10'-12')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_ECO.mxd

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

FIGURE 9
Total PCBs in Subsrface Soil
(12'-14')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_ECO.mxd

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

FIGURE 10
Total PCBs in Subsrface Soil
(14'-16')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_ECO.mxd

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

Notes:
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Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

FIGURE 11
Total PCBs in Subsrface Soil
(16'-18')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220911_PCBSoilFigure_ECO.mxd

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LEGEND

- 95 — Total PCB Concentration (mg/kg)
- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office

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0 110 220 330 440
Feet

FIGURE 12
Total PCBs in Subsrface Soil
(18'-10')

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 13
SVOCs in Surface Soil
(0' to 2")

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 14
SVOCs in Subsurface Soil
(2" to 2')

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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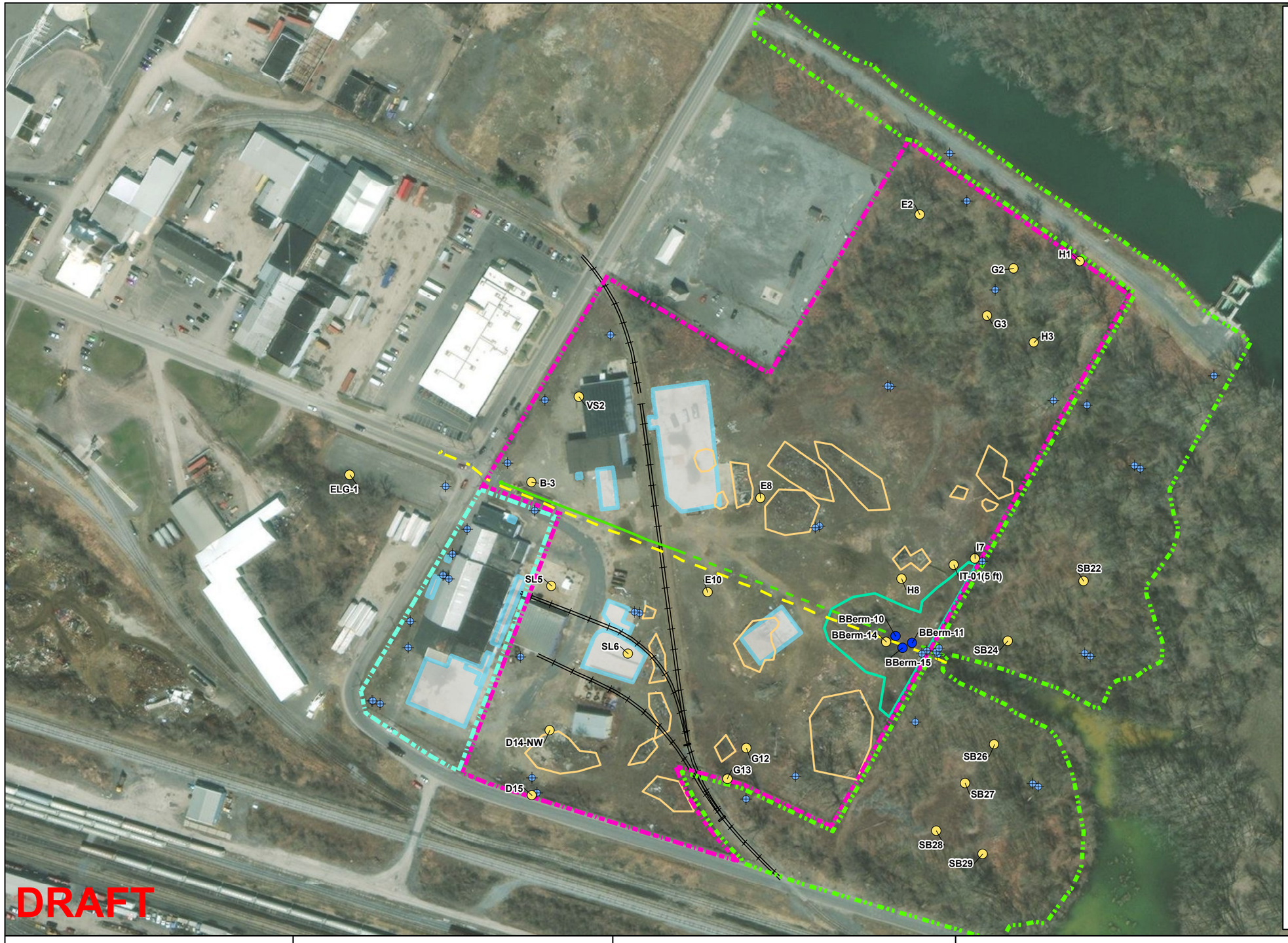
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Figure 15
SVOCs in Subsurface Soil
(2' to 4')

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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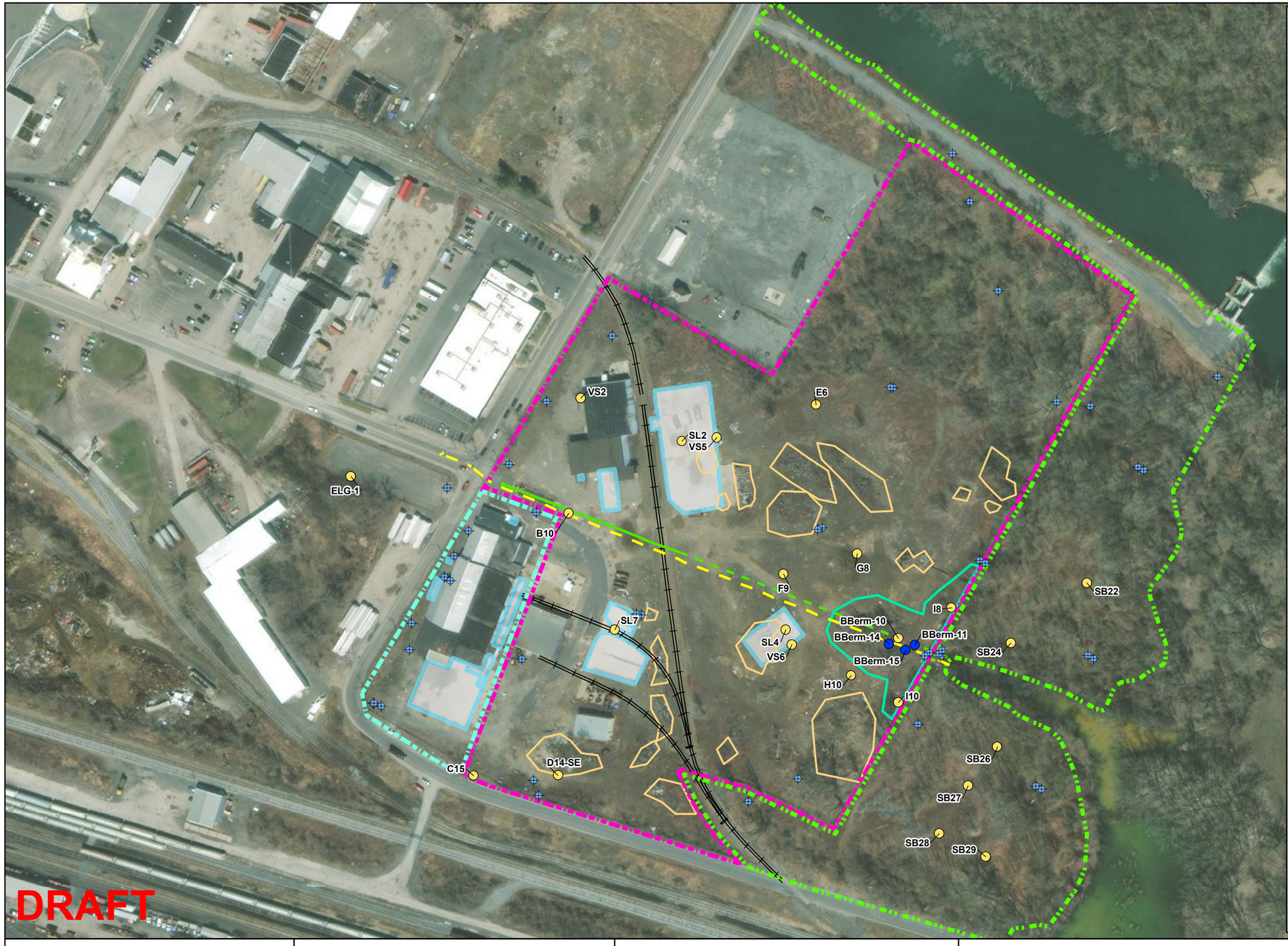
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Figure 16
SVOCs in Subsurface Soil
(4' to 6')

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 17
SVOCs in Subsurface Soil
(6' to 8')

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 18
SVOCs in Subsurface Soil
(8' to 10')

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Figure 19
SVOCs in Subsurface Soil
(10' to 12')

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LEGEND

SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 20
SVOCs in Subsurface Soil
(12' to 14')

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SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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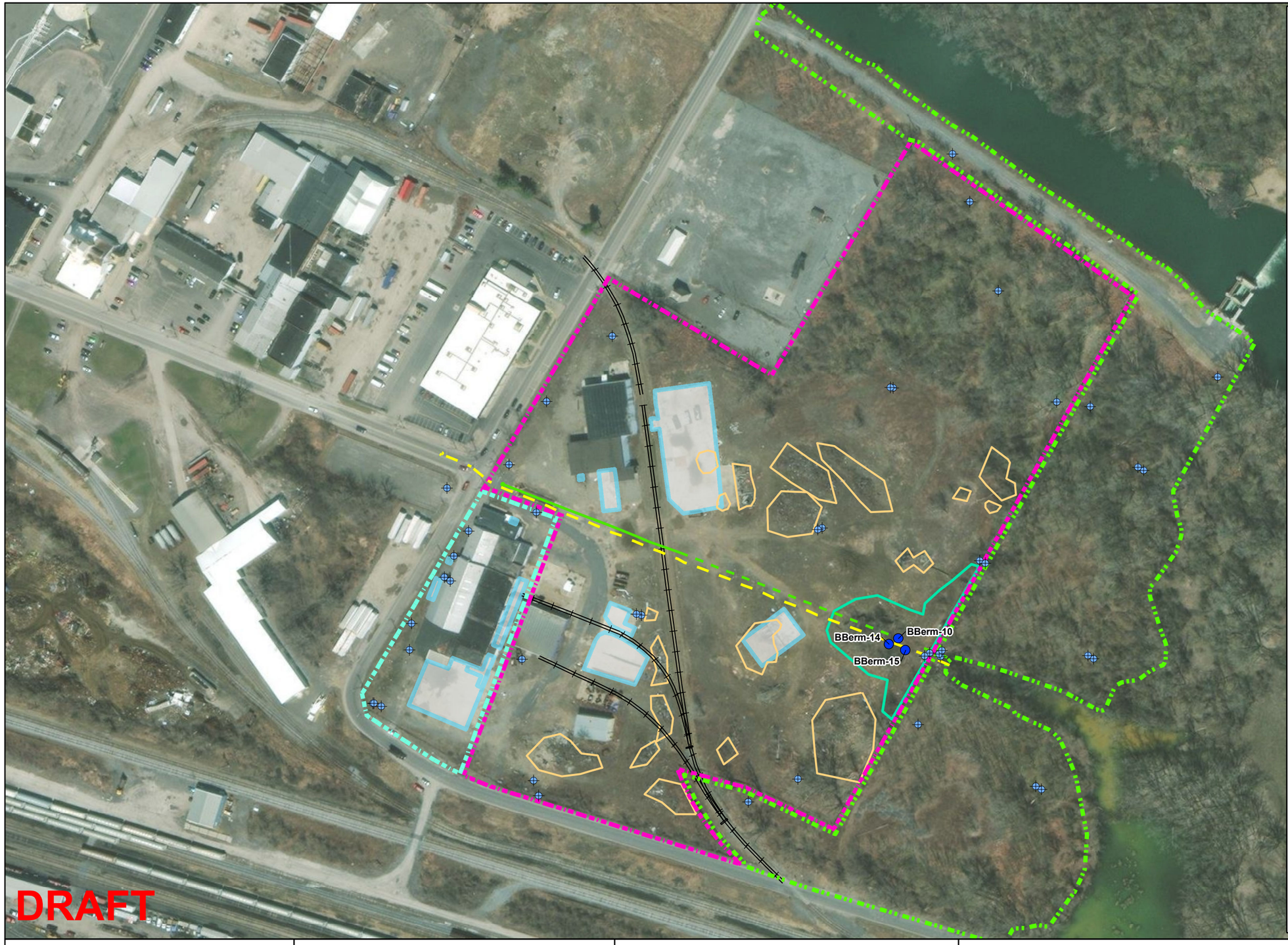
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Figure 21
SVOCs in Subsurface Soil
(14' to 16')

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SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 22
SVOCs in Subsurface Soil
(16' to 18')

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SVOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 23
SVOCs in Subsurface Soil
(18' to 20')

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Metals Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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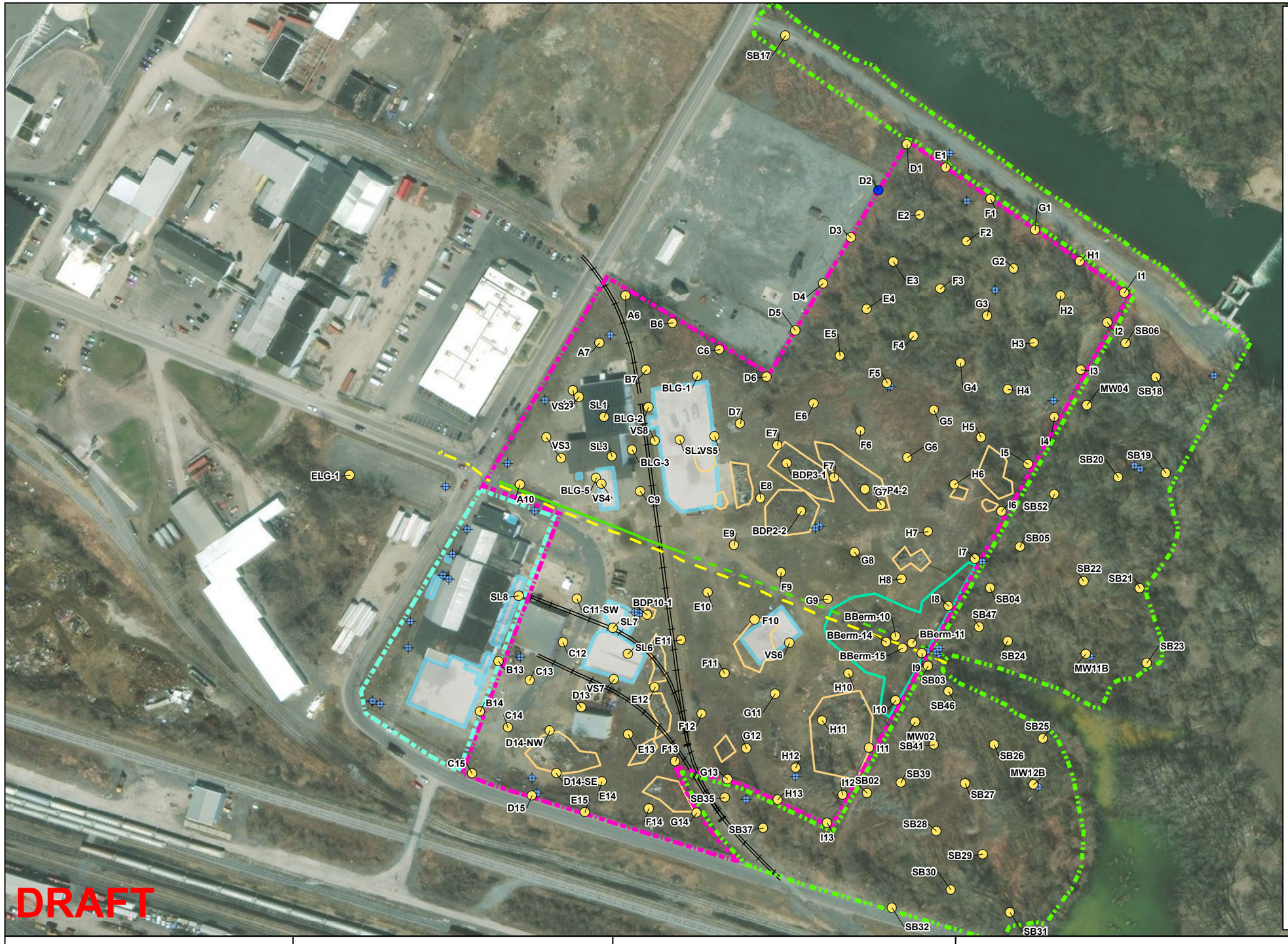
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Figure 24
Metals in Surface Soil
(0' to 2")

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Metals Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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0 110 220 330 440
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Figure 25
Metals in Subsurface Soil
(2" to 2')

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Figure 26
Metals in Subsurface Soil
(2' to 4')

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Metals Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 27
Metals in Subsurface Soil
(4' to 6')

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LEGEND

Metals Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Feet

Figure 28
Metals in Subsurface Soil
(6' to 8')

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LEGEND

Metals Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Feet

Figure 29
Metals in Subsurface Soil
(8' to 10')

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Figure 30
Metals in Subsurface Soil
(10' to 12')

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LEGEND

Metals Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 31
Metals in Subsurface Soil
(12' to 14')

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LEGEND

Metals Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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0 110 220 330 440
Feet

Figure 32
Metals in Subsurface Soil
(14' to 16')

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LEGEND

Metals Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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N

0 110 220 330 440

Feet

Figure 33
Metals in Subsurface Soil
(16' to 18')

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LEGEND

Metals Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
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- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 34
Metals in Subsurface Soil
(18' to 20')

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LEGEND

VOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
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- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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N

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Feet

Figure 35
VOCs in Surface Soil
(0' to 2")

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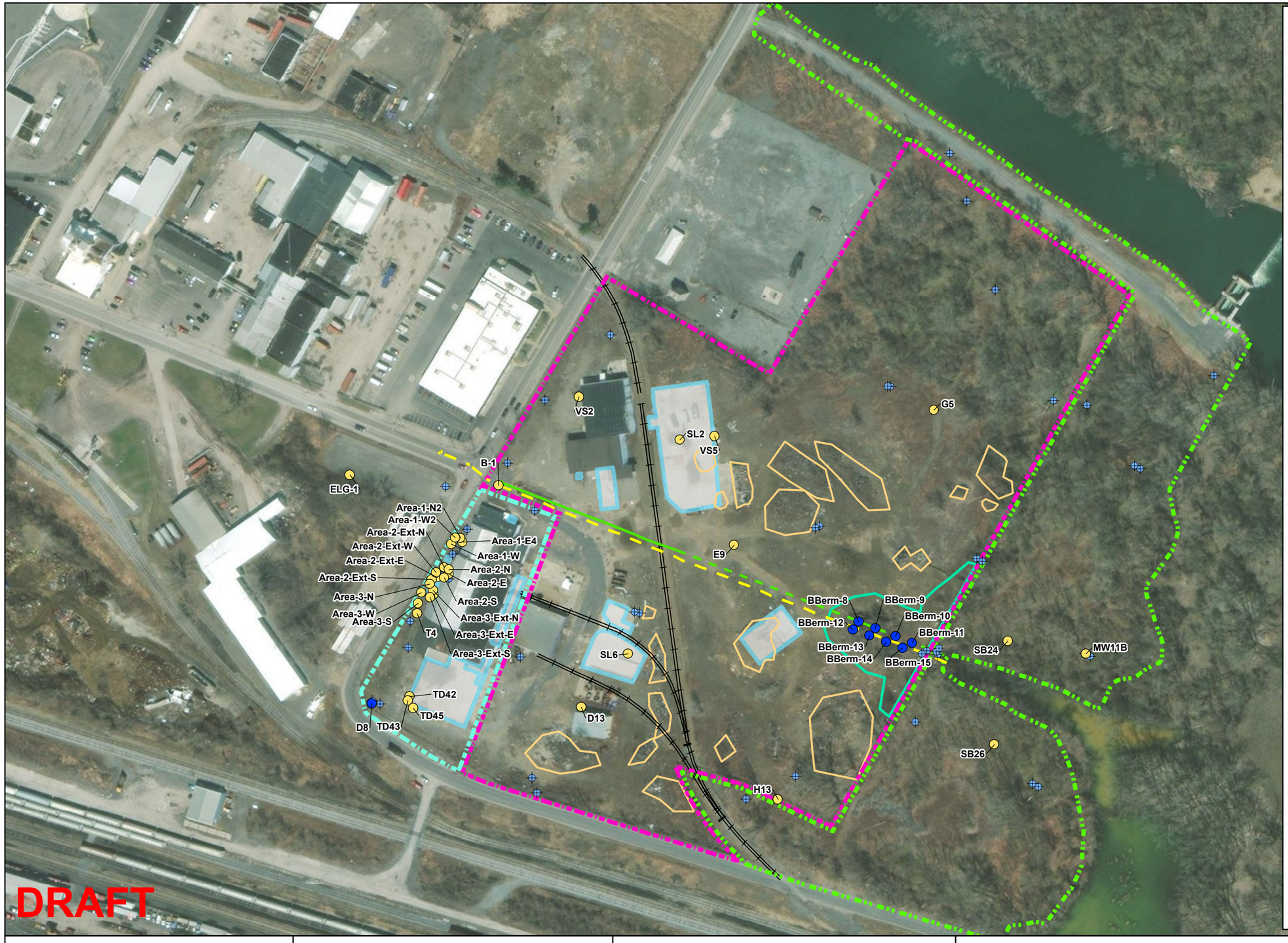
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Figure 36
VOCs in Subsrface Soil
(2" to 2')

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LEGEND

VOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Figure 37
VOCs in Subsurface Soil
(2' to 4')

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LEGEND

VOCs Exceedances:

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- OU1 Boundary
- OU3 Boundary
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- Railroad
- Concrete Slab

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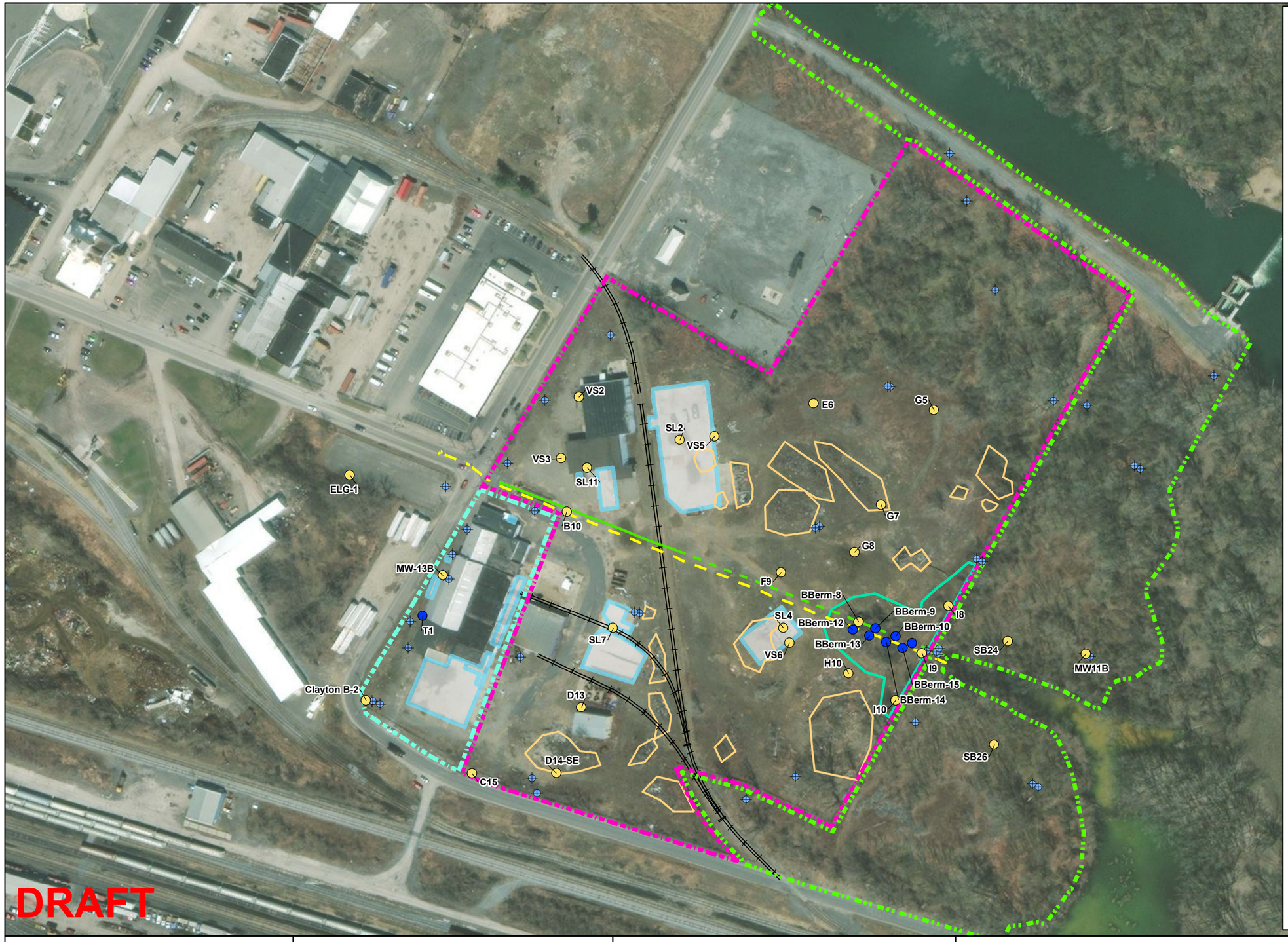
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Figure 38
VOCs in Subsurface Soil
(4' to 6')

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LEGEND

VOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
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- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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0 110 220 330 440
Feet

Figure 39
VOCs in Subsurface Soil
(6' to 8')

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Figure 40
VOCs in Subsurface Soil
(8' to 10')

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LEGEND

VOCs Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
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- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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Feet

Figure 41
VOCs in Subsurface Soil
(10' to 12')

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VOCs Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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0 110 220 330 440

Feet

Figure 40
VOCs in Subsurface Soil
(12' to 14')

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LEGEND

VOCs Exceedances:

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- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
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- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

EHS Support℠

UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Figure 43
VOCs in Subsurface Soil
(14' to 16')

J:\EHSS_GIS\C00999_ELGUniversalWaste\01_Analysis\20220907_UW_Soil_Eco_Figures\20220908_NonPCBSoilFigureECO_GW.mxd

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LEGEND

VOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440

Feet

Figure 45
VOCs in Subsurface Soil
(18' to 20')

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UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 46
VOCs in Subsurface Soil
(20' to 22')

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LEGEND

VOCs Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 47
VOCs in Subsurface Soil
(22' to 24')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

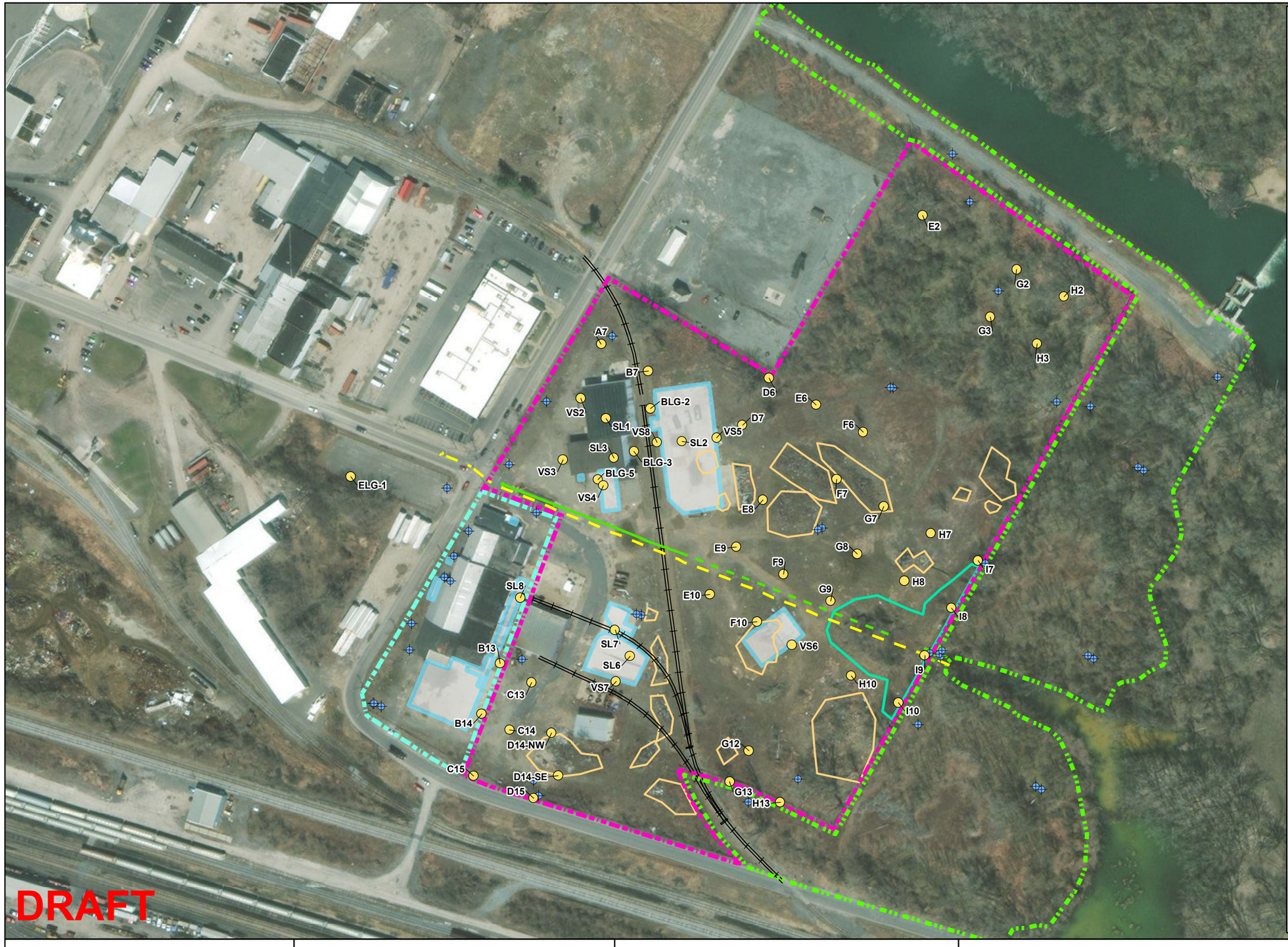
N

0 110 220 330 440
Feet

Figure 48
Herbicides/Pesticides in Surface Soil
(0' to 2")

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 49
Herbicides/Pesticides in Subsrface Soil
(2" to 2')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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UNIVERSAL WASTE
UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 50
Herbicides/Pesticides in Subsurface Soil
(2' to 4')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 51
Herbicides/Pesticides in Subsurface Soil
(4' to 6')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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UTICA, NEW YORK

N

0 110 220 330 440
Feet

Figure 52
Herbicides/Pesticides in Subsurface Soil
(6' to 8')

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LEGEND

Herbicides/Pesticides Exceedances:

- Sample Below NYSDEC SCOs - Protection of Ecological Resources
- Sample Exceeds NYSDEC SCOs - Protection of Ecological Resources
- Monitoring Well
- Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Debris Pile Edge
- Berm Location
- OU1 Boundary
- OU3 Boundary
- Utica Alloys Site
- Railroad
- Concrete Slab

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UTICA, NEW YORK

N

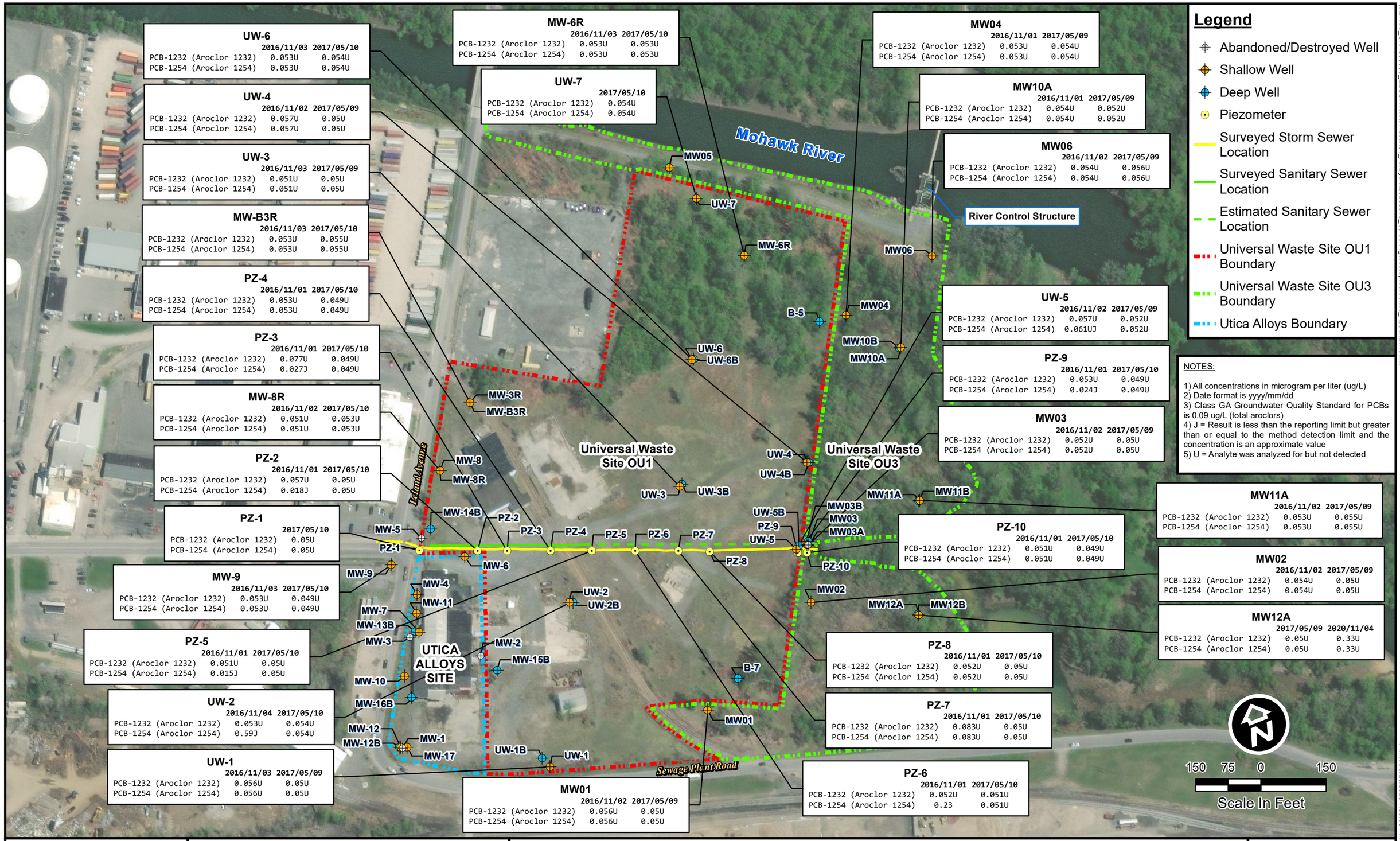
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Feet

Figure 53
Herbicides/Pesticides in Subsurface Soil
(8' to 10')

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Appendix C Groundwater Quality Figures



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UNIVERSAL WASTE UTICA, NEW YORK

POLYCHLORINATED BIPHENYLS (PCBS) DETECTED IN FILL/ALLUVIUM GROUNDWATER

FIGURE T-1

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UNIVERSAL WASTE
UTICA, NEW YORK

POLYCHLORINATED BIPHENYLS (PCBS) DETECTED IN DEEPER GROUNDWATER

FIGURE T-2

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Class GA Groundwater Quality Standards (GQS)	
Analyte	**GQS (ug/L)**
Arsenic	25
Barium	1,000
Iron	300
Manganese	300
Nickel	100
Sodium	20,000

Legend

- Abandoned/Destroyed Well
- Shallow Well
- Deep Well
- Piezometer
- Surveyed Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Universal Waste Site OU1 Boundary
- Universal Waste Site OU3 Boundary
- Utica Alloys Boundary

NOTES:

1) All concentrations in microgram per liter (ug/L)
2) Date format is yyyy-mm-dd
3) U = Analyte was analyzed for but not detected

MW-6R

	2016-11-03	2017-05-10
Iron	9590	7740
Manganese	481	339

UW-6

	2016-11-03	2017-05-10
Arsenic	683	458
Iron	25000	21500
Manganese	570	1030

UW-3

	2016-11-03	2017-05-09
Barium	1390	1000
Iron	18800	17200
Manganese	384	380

MW10A

	2016-11-01	2017-05-09
Iron	16300	3090
Manganese	615	391

UW-4

	2016-11-02	2017-05-09
Arsenic	97.7	11.3
Barium	1130	233
Iron	36300	4020

MW11A

	2016-11-02	2017-05-09
Iron	21400	12800
Manganese	567	441

MW12A

	2016-11-02	2017-05-09
Barium	1860	1690
Iron	37200	38500
Sodium	41800	35800

UW-5

	2016-11-02	2017-05-09
Iron	27300	13200
Manganese	916	592
Nickel	40U	134
Sodium	33900	31700

Mohawk River
River Control Structure
Universal Waste Site OU1
Universal Waste Site OU3
UTICA ALLOYS SITE
Leland Avenue
Wurz Avenue
Sewage Plant Road
MW05
UW-7
MW-6R
MW06
B-5
MW04
MW10B
MW10A
UW-6
UW-6B
MW-3R
MW-B3R
MW-8
MW-8R
UW-3
UW-3B
UW-4
UW-4B
MW11A
MW11B
MW03B
MW03
MW03A
UW-5B
PZ-9
UW-5
PZ-10
MW-14B
PZ-2
PZ-3
PZ-4
PZ-5
PZ-6
PZ-7
PZ-8
MW-5
PZ-1
MW-6
MW-9
MW-4
MW-11
MW-7
MW-13B
MW-3
MW-2
MW-15B
MW-10
MW-16B
MW-12
MW-12B
MW-1
MW-17
UW-1B
UW-1
UW-2
UW-2B
B-7
MW01
MW02
MW12A
MW12B

150 75 0 150
Scale In Feet

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EHS Support	UNIVERSAL WASTE UTICA, NEW YORK	METALS DETECTED ABOVE CLASS GA GROUNDWATER QUALITY STANDARDS IN FILL/ALLUVIUM GROUNDWATER	FIGURE T-3

Class GA Groundwater Quality Standards (GQS)	
Analyte	**GQS (ug/L)**
Arsenic	25
Barium	1,000
Iron	300
Manganese	300
Nickel	100
Sodium	20,000

Legend

- Abandoned/Destroyed Well
- Shallow Well
- Deep Well
- Piezometer
- Surveyed Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Universal Waste Site OU1 Boundary
- Universal Waste Site OU3 Boundary
- Utica Alloys Boundary

NOTES:

1) All concentrations in microgram per liter (ug/L)
2) Date format is yyyy-mm-dd
3) U = Analyte was analyzed for but not detected

B-5

	2016-11-03	2017-05-10
Barium	1420	1410
Iron	24200	27400
Manganese	293	323

UW-6B

	2016-11-03	2017-05-10
Arsenic	6500	2100
Iron	19600	20800
Manganese	419	681
Sodium	25900	34000

MW10B

	2016-11-01	2017-05-09
Arsenic	13.1	45.6
Iron	42000	81000
Manganese	918	1260
Sodium	21000	28900

MW11B

	2016-11-02	2017-05-09
Iron	23400	23500
Manganese	618	712

MW12B

	2016-11-02	2017-05-09
Iron	58900	22200
Manganese	666	571
Sodium	58000	53400

UW-5B

	2016-11-02	2017-05-09
Iron	29700	27900
Manganese	1470	1610
Sodium	71700	80200

Mohawk River
River Control Structure
MW05
UW-7
MW-6R
MW06
B-5
MW04
MW10B
MW10A
UW-6
UW-6B
MW-3R
MW-B3R
Universal Waste Site OU1
Universal Waste Site OU3
MW-8
MW-8R
UW-4
UW-4B
UW-3
UW-3B
MW11A
MW11B
MW03B
MW03
MW03A
UW-5B
PZ-9
UW-5
MW-14B
PZ-2
PZ-3
PZ-4
PZ-5
PZ-6
PZ-7
PZ-8
PZ-10
MW-5
PZ-1
Wurz Avenue
MW-6
MW-9
MW-4
MW-11
UW-2
UW-2B
MW02
MW12A
MW12B
MW-7
MW-13B
MW-3
UTICA ALLOYS SITE
MW-2
MW-15B
B-7
MW-10
MW-16B
MW01
MW-12
MW-12B
MW-1
MW-17
UW-1B
UW-1
Sewage Plant Road
Leland Avenue

150 75 0 150
Scale In Feet

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

METALS DETECTED ABOVE CLASS GA GROUNDWATER QUALITY STANDARDS IN DEEPER GROUNDWATER

FIGURE T-4

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Class GA Groundwater Quality Standards (GQS)	
Analyte	**GQS (ug/L)**
DCE	5
TCE	5
VC	2
cDCE	5
tDCE	5
Benzene	1
Chlorobenzene	5

PZ-2

	2017-05-10	2020-11-10
DCE	38.9J	4.3
TCE	3980	12.6
VC	113	76.5
cDCE	8220	1360
tDCE	31.9J	8.6

MW-6

	2017-05-10	2020-11-06
VC	6.2	1U

PZ-1

	2016-11-01	2017-05-10
VC	6.6	1.8
cDCE	10.3	7.5

MW-4

	2017-05-10	2020-11-04
TCE	46.8	53.7
VC	104	36.8
cDCE	232	104

MW-11

	2017-05-10	2020-11-10
TCE	155	19.3
VC	1U	12.4
cDCE	14.6	95.6

MW-7

	2017-05-10	2020-11-09
TCE	557	661
cDCE	31	90.8

MW-10

	2017-05-10	2020-11-10
TCE	70.2	43.5
cDCE	8.9	20.3

UW-2

	2017-05-10	2020-11-10
Benzene	0.65	4.3
VC	0.7J	8.8
cDCE	3	44.6

MW11A

	2017-10-04	2020-11-03
Benzene	0.85	0.5U
Chlorobenzene	1U	1U
DCE	1U	1U
TCE	1U	1U
VC	1U	1U
cDCE	1U	1U
tDCE	1U	1U

MW12A

	2017-05-09	2020-11-06
1,4-Dichlorobenzene	2.7	1U
Chlorobenzene	19.6	1U
cDCE	1U	5.3

MW03

	2016-11-02	2017-05-09
DCE	86.6	2.5
TCE	3020	0.8J
VC	3930	500
cDCE	22800	1010
tDCE	99.3	4

Legend

- Abandoned/Destroyed Well
- Shallow Well
- Deep Well
- Piezometer
- Surveyed Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Universal Waste Site OU1 Boundary
- Universal Waste Site OU3 Boundary
- Utica Alloys Boundary

NOTES:

1) All concentrations in microgram per liter (ug/L)
2) Date format is yyyy-mm-dd
3) U = Analyte was analyzed for but not detected
4) * = No VOCs were detected above the Class GA GQS during the 2016, 2017, and 2020 site-wide sampling events
5) Constituent Abbreviations:
DCE - 1,1-Dichloroethene
TCE - Trichloroethene
VC - Vinyl Chloride
cDCE - cis-1,2-dichloroethene
tDCE - trans-1,2-dichloroethene

Mohawk River
River Control Structure
Universal Waste Site OU1
Universal Waste Site OU3
UTICA ALLOYS SITE
Lehigh Avenue
Wurz Avenue
Sewage Plant Road
MW05
UW-7
MW-6R
MW06
B-5
MW04
MW10B
MW10A
UW-6
UW-6B
MW-3R
MW-B3R
MW-8
MW-8R
MW-14B
PZ-2
PZ-3
PZ-4
PZ-5
PZ-6
PZ-7
PZ-8
MW-5
PZ-1
MW-6
MW-9
MW-4
MW-11
MW-7
MW-13B
MW-3
MW-2
MW-15B
MW-10
MW-16B
MW-12
MW-12B
MW-1
MW-17
UW-1B
UW-1
UW-2
UW-2B
B-7
MW01
UW-4
UW-4B
UW-3
UW-3B
UW-5B
PZ-9
UW-5
PZ-10
MW03B
MW03
MW03A
MW11A
MW11B
MW02
MW12A
MW12B
150 75 0 150
Scale In Feet

EHS Support

UNIVERSAL WASTE
UTICA, NEW YORK

VOLATILE ORGANIC COMPOUNDS (VOCS) DETECTED ABOVE CLASS GA GROUNDWATER QUALITY STANDARDS IN FILL/ALLUVIUM GROUNDWATER

FIGURE T-5

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Class GA Groundwater Quality Standards (GQS)	
Analyte	**GQS (ug/L)**
DCE	5
TCE	5
VC	2
cDCE	5
tDCE	5
Benzene	1
Chlorobenzene	5

Legend

- Abandoned/Destroyed Well
- Shallow Well
- Deep Well
- Piezometer
- Surveyed Storm Sewer Location
- Surveyed Sanitary Sewer Location
- Estimated Sanitary Sewer Location
- Universal Waste Site OU1 Boundary
- Universal Waste Site OU3 Boundary
- Utica Alloys Boundary

NOTES:

1) All concentrations in microgram per liter (ug/L)
2) Date format is yyyy-mm-dd
3) U = Analyte was analyzed for but not detected
4) * = No VOCs were detected above the Class GA GQS during the 2016, 2017, and 2020 site-wide sampling events
5) Constituent Abbreviations:
DCE - 1,1-Dichloroethene
TCE - Trichloroethene
VC - Vinyl Chloride
cDCE - cis-1,2-dichloroethene
tDCE - trans-1,2-dichloroethene

MW-14B

	2017-05-10	2020-11-03
DCE	16J	10.8
VC	511	529
cDCE	8000	4440
tDCE	25.9J	10.5

MW-13B

	2017-05-10	2020-11-09
DCE	5.7	3.4
VC	340	330
cDCE	1820	991
tDCE	7.1	5.6

MW-16B

	2020-11-05
VC	333
cDCE	451

MW-12B

	2017-05-10	2020-11-04
DCE	110J	17.4J
VC	5890	2180
cDCE	44200	7990
tDCE	132J	34.4

MW-15B

	2017-05-10	2020-11-03
VC	9.3	289
cDCE	3.4	1020

MW11B

	2017-05-09	2020-11-03
Benzene	0.74	0.5U
Chlorobenzene	1U	1U
DCE	2	1U
TCE	1U	1U
VC	302	1U
cDCE	306	1U
tDCE	1.3	1U

MW03B

	2020-11-10
VC	10.9

Mohawk River
Lehigh Avenue
Wurz Avenue
Universal Waste Site OU1
Universal Waste Site OU3
UTICA ALLOYS SITE
River Control Structure
MW05
UW-7
MW-6R
MW06*
B-5
MW04*
UW-6*
UW-6B*
MW10A*
MW10B*
MW-3R
MW-B3R
MW-8
MW-8R*
UW-4*
UW-4B*
UW-3*
UW-3B*
MW11A
MW11B
MW-14B
PZ-2
MW-5
PZ-3*
PZ-4*
PZ-5*
PZ-6*
PZ-7*
UW-5B*
MW03
PZ-1
PZ-9*
PZ-8*
UW-5*
PZ-10*
MW-9*
MW-6
MW-4
MW-11
UW-2
UW-2B*
MW02*
MW12A
MW12B*
MW-7
MW-13B
MW-3
MW-2
MW-15B
B-7*
MW-10
MW-16B
MW01*
MW-12B
MW-1
MW-17
MW-12
UW-1B
UW-1*

150 75 0 150
Scale In Feet

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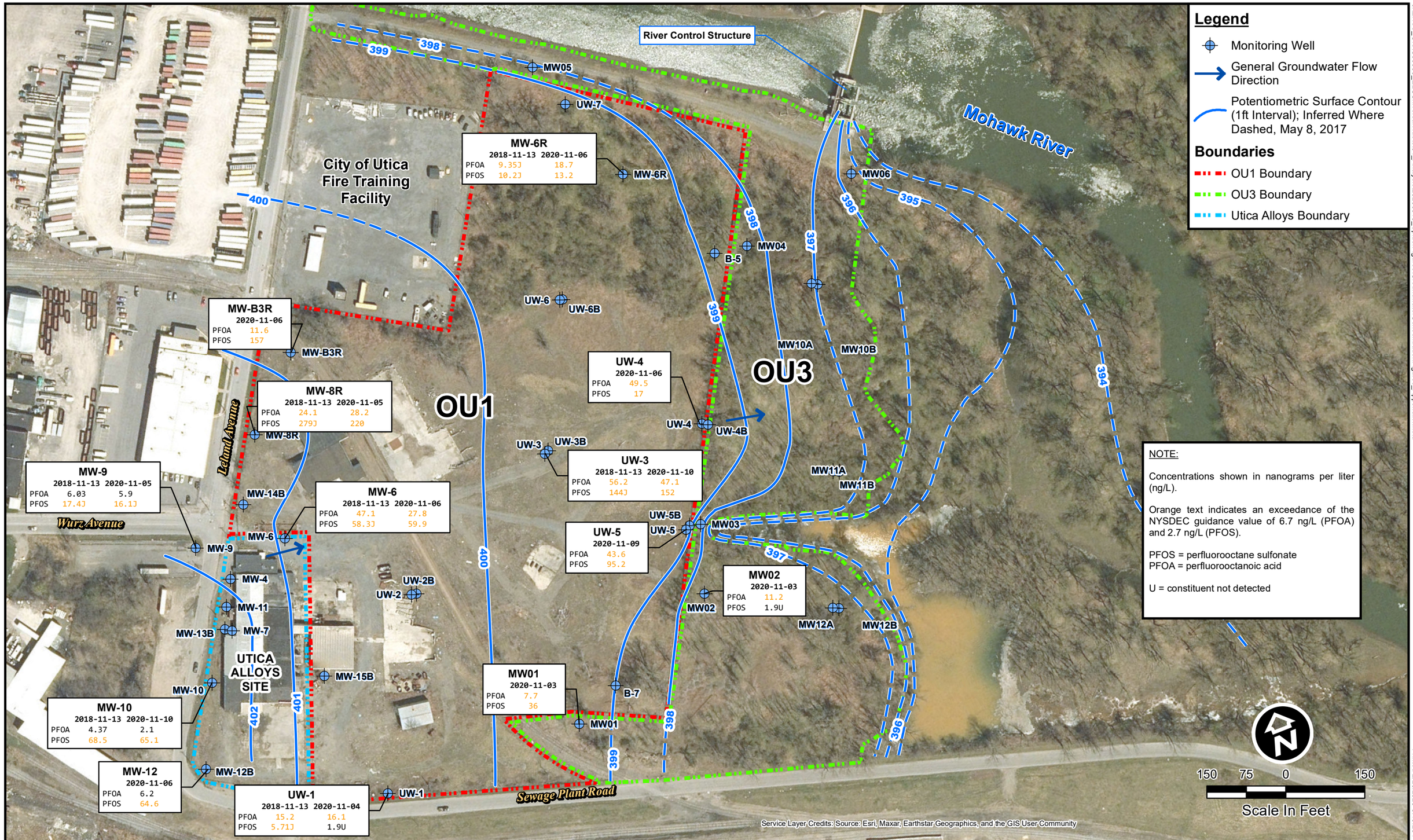
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UTICA, NEW YORK

VOLATILE ORGANIC COMPOUNDS (VOCS)
DETECTED ABOVE CLASS GA GROUNDWATER QUALITY STANDARDS
IN DEEPER GROUNDWATER

FIGURE T-6

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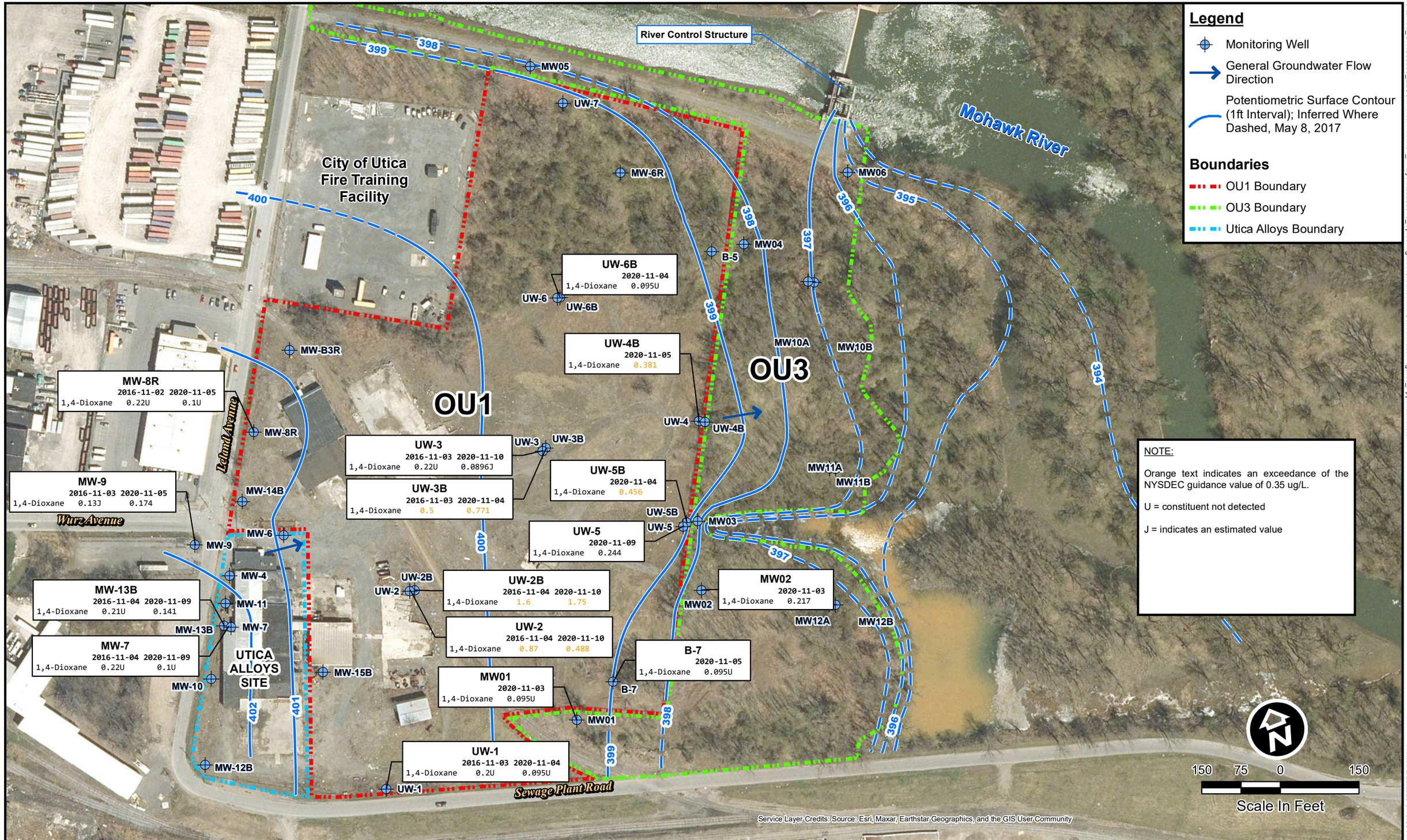
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Universal Waste/Utica Alloys
Utica, New York

PFOA and PFOS in Groundwater – November 2018 and November 2020

Figure T-7

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Universal Waste/Utica Alloys
Utica, New York

1,4 Dioxane in Groundwater – November 2016 and November 2020

Figure T-8

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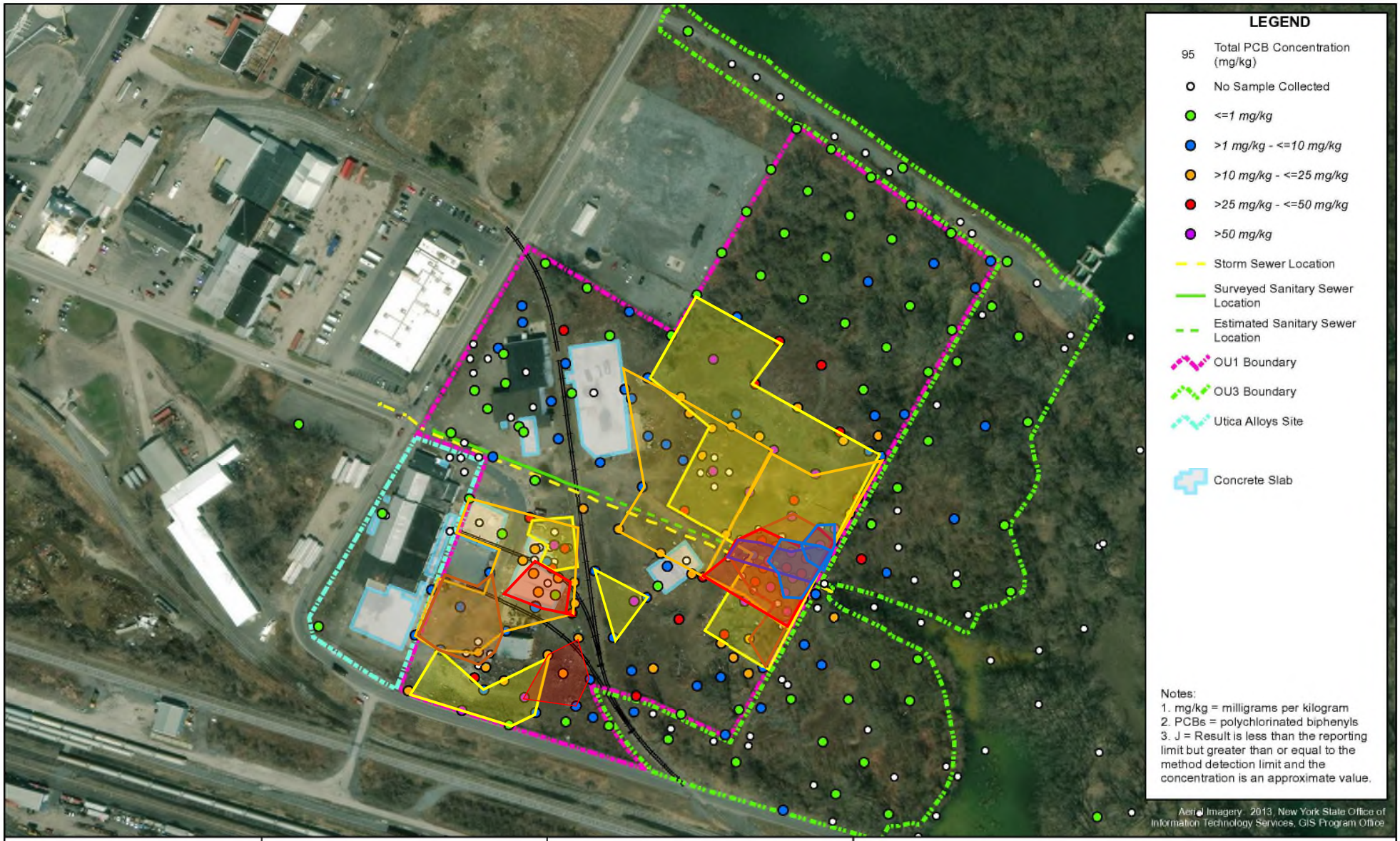
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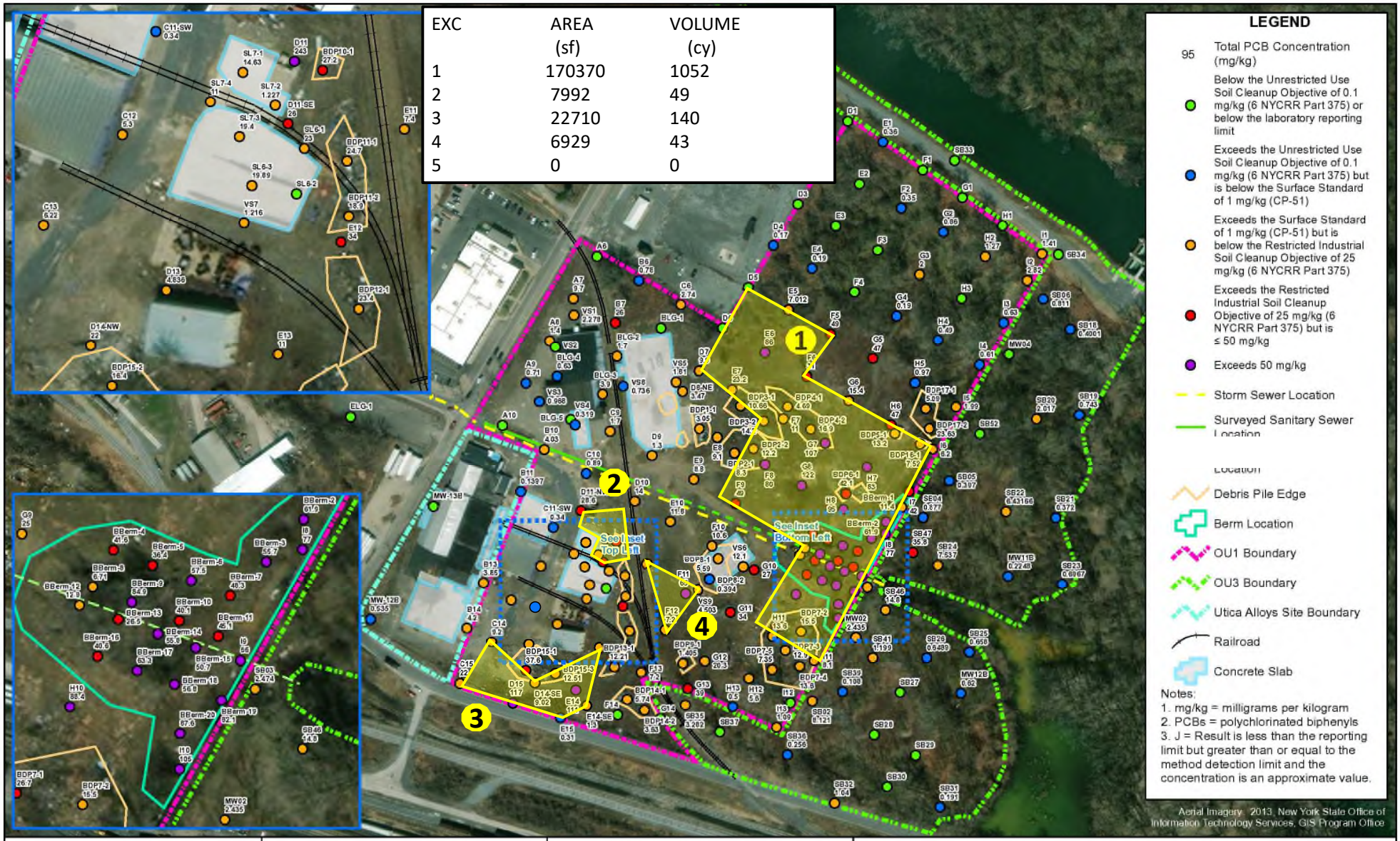
Appendix D RA-2 Figures

Remedial Alternative RA-2

- Remedy
  - Removal and off-site disposal of all soils with PCBs >50 ppm and other collocated COCs (27,500 CY)
  - Excavated areas backfilled with clean fill material to existing land surface
  - TSCA cap (or 2-ft cover), fencing, and signage where soils remain with PCBs >25 ppm
  - 2-ft cover where PCBs, site-related metals, and other COCs remain in surface soil > ESCOs
  - Environmental Covenant for Industrial Use
- Cost = $13.3 MM

- Meets Industrial SCOs, Protection of GW SCOs, and ESCOs
- Deed restriction required


LEGEND
95 Total PCB Concentration (mg/kg)
No Sample Collected
<=1 mg/kg
>1 mg/kg - <=10 mg/kg
>10 mg/kg - <=25 mg/kg
>25 mg/kg - <=50 mg/kg
>50 mg/kg
Storm Sewer Location
Surveyed Sanitary Sewer Location
Estimated Sanitary Sewer Location
OU1 Boundary
OU3 Boundary
Utica Alloys Site
Concrete Slab
Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office
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UTICA, NEW YORK
N
0 110 220 330 440
Feet
FIGURE 1
PCBs Soil Remediation Footprint (0-12')
Scenario 2: PCBs > 50 ppm
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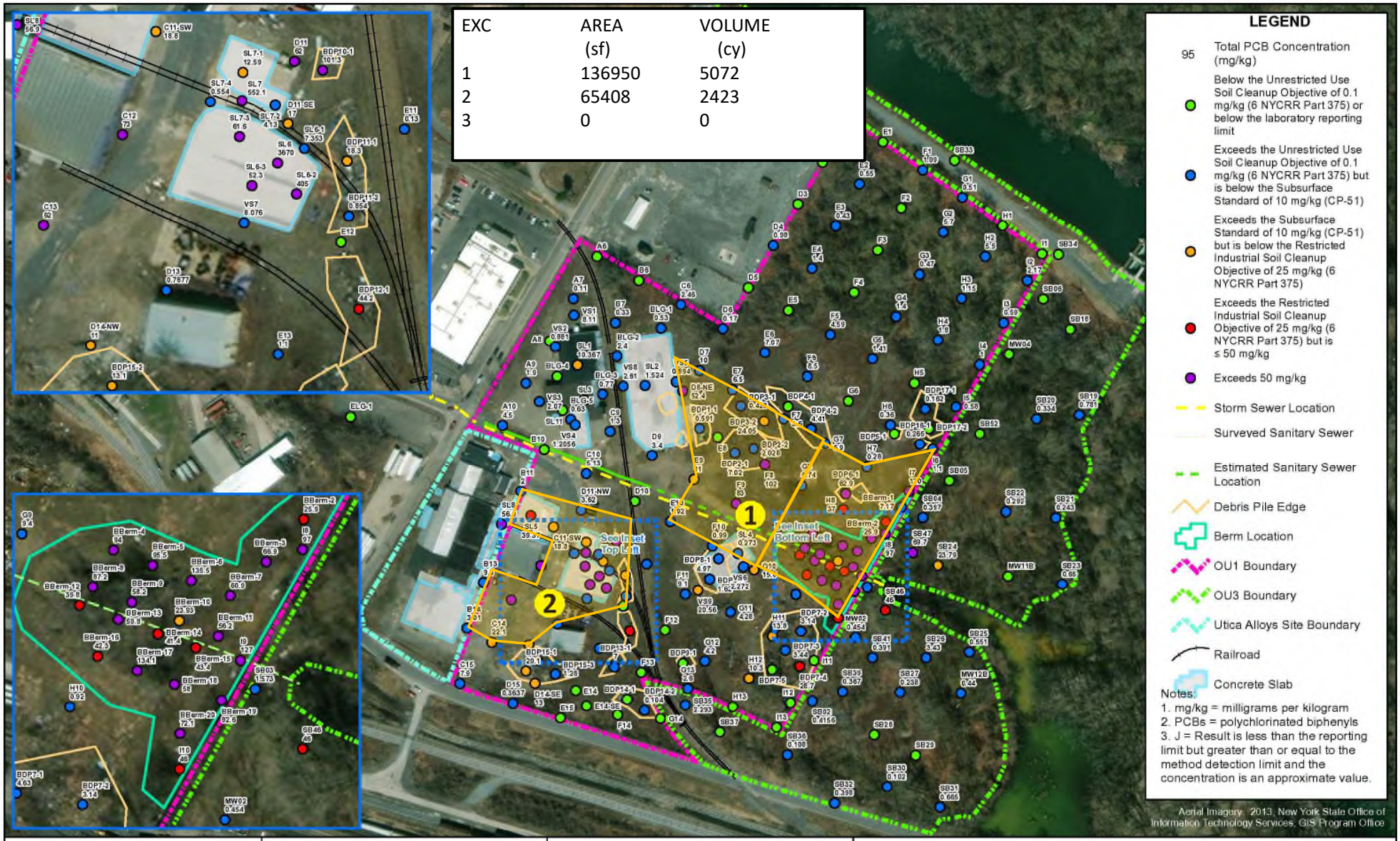
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FIGURE 2
Total PCBs in Surface Soil (0-2")
Scenario 2: PCBs > 50 ppm

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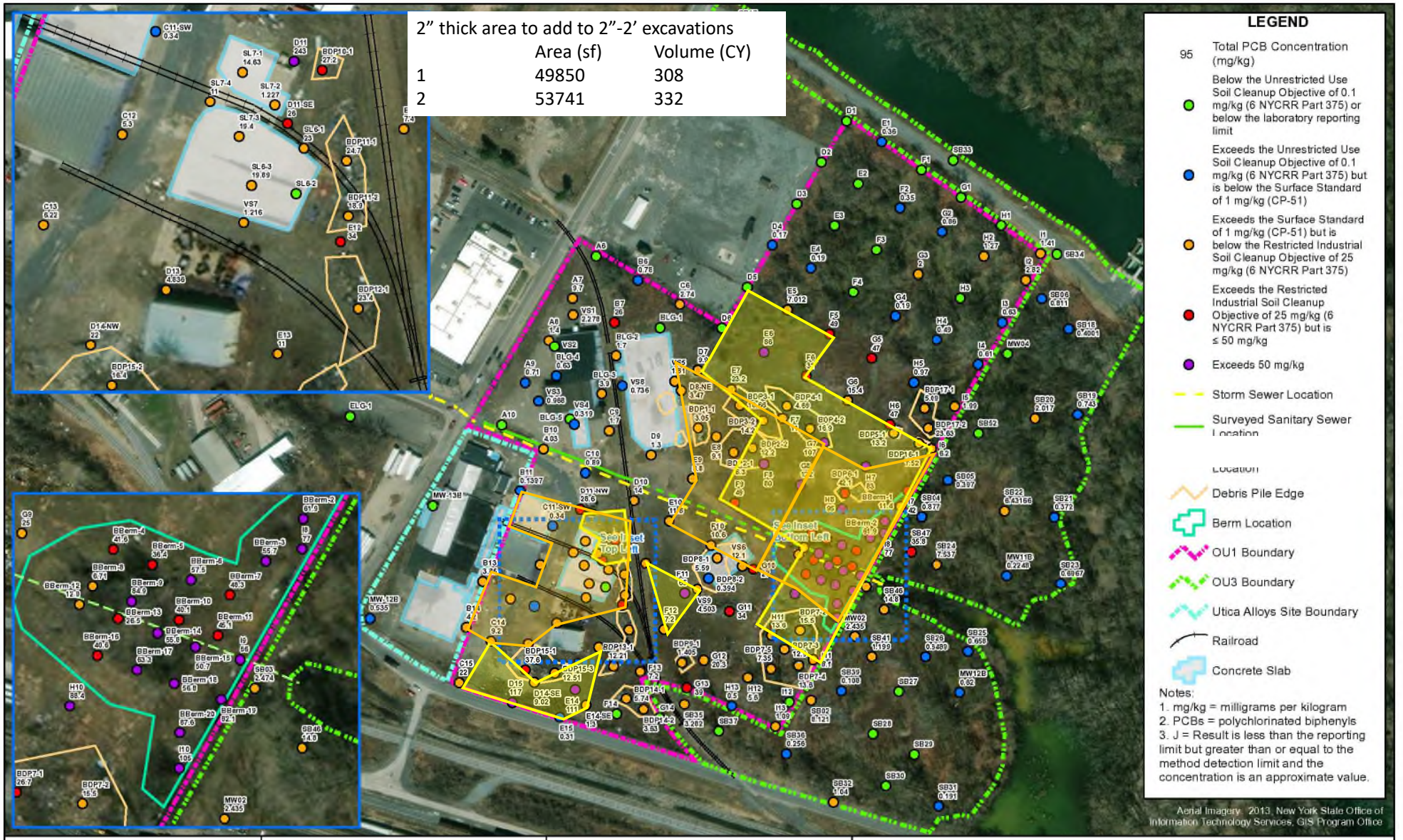
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FIGURE 5
Total PCBs in Subsurface Soil (2”-2’)
Scenario 2: PCBs > 50 ppm

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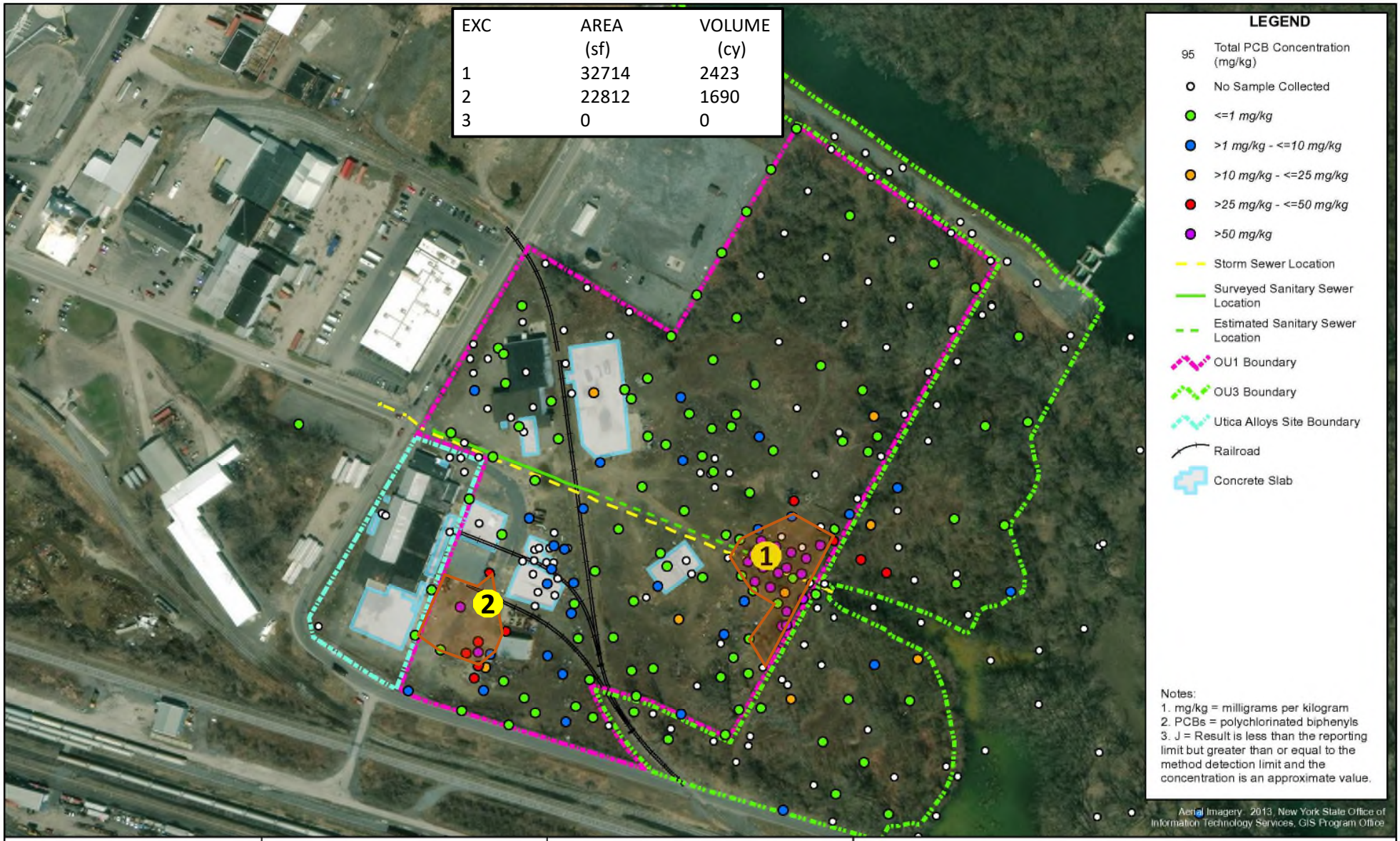
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FIGURE 4
Total PCBs in Surface Soil (0-2’)
Scenario 2: PCBs > 50 ppm

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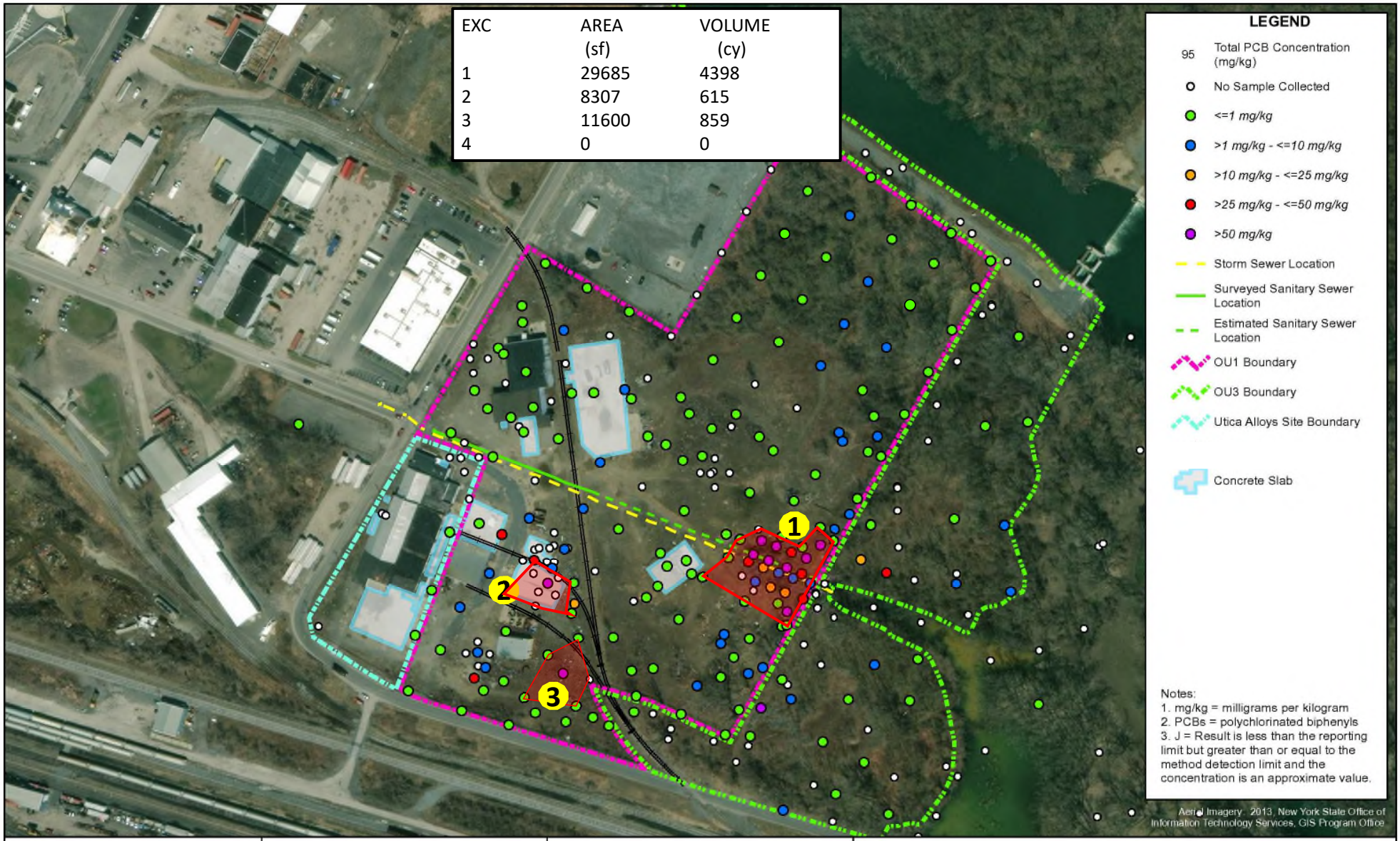
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FIGURE 6
Total PCBs in Subsurface Soil (2'-4')
Scenario 2: PCBs > 50 ppm

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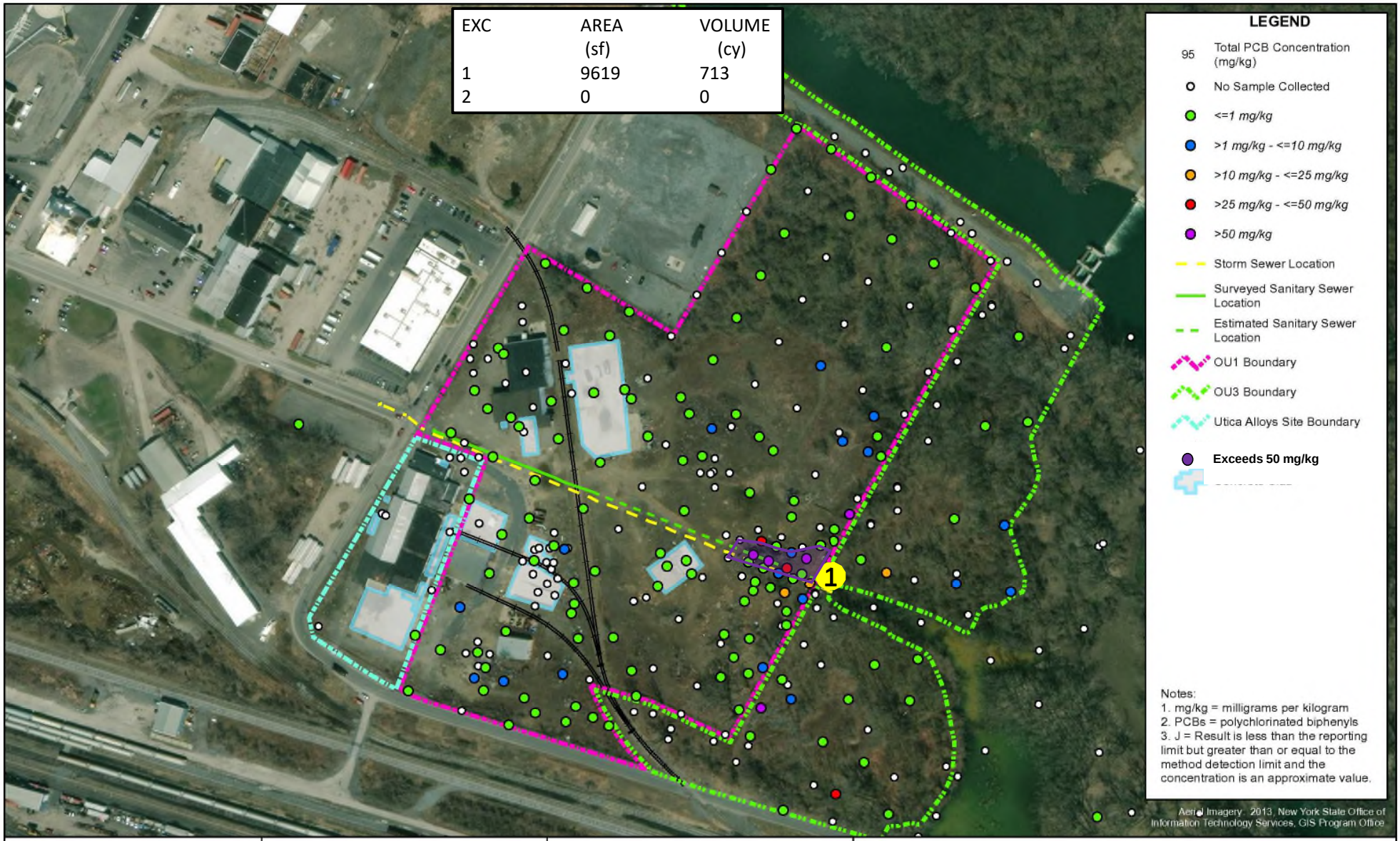
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FIGURE 7
Total PCBs in Subsurface Soil (4'-6')
Scenario 2: PCBs > 50 ppm

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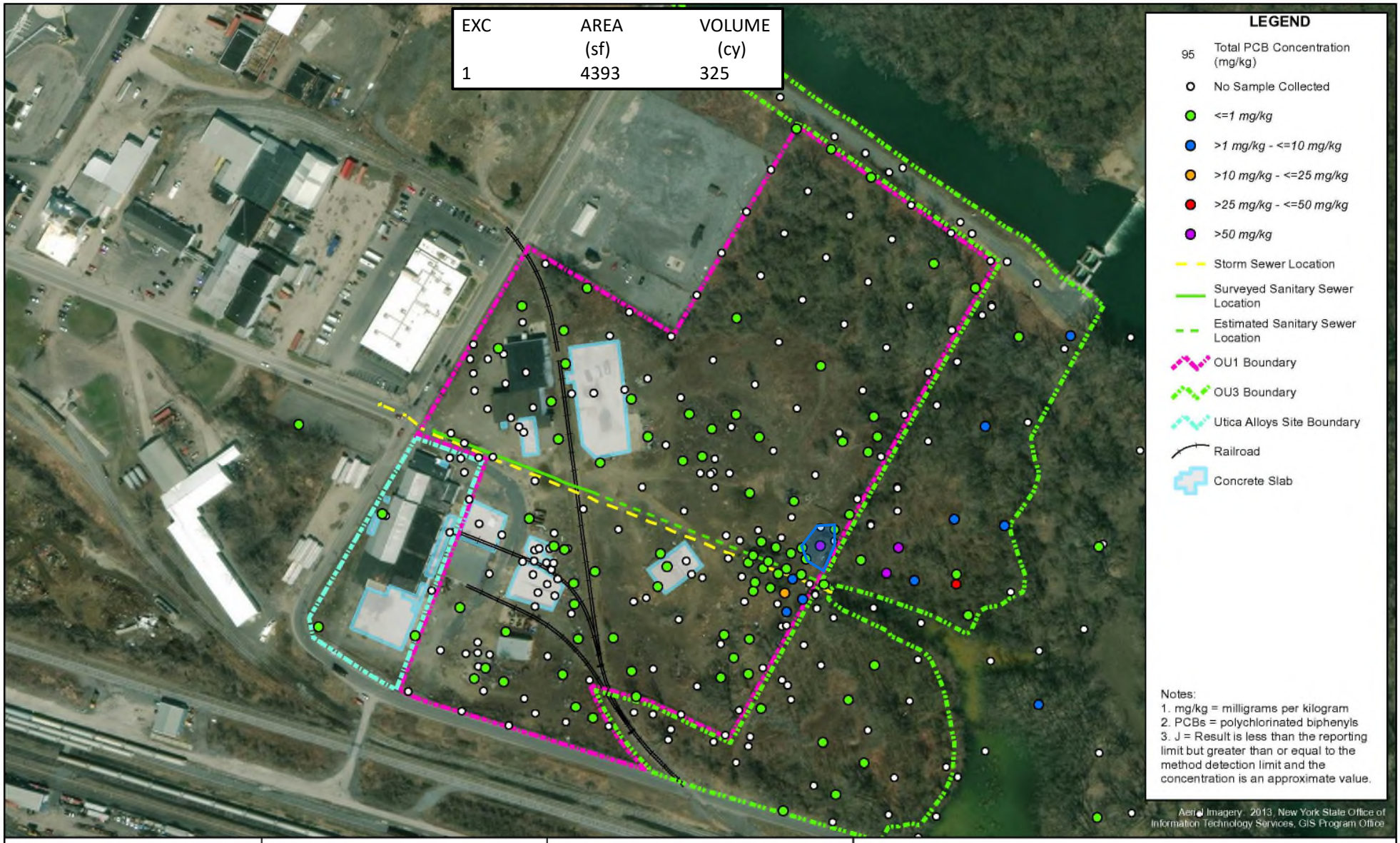
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FIGURE 8
Total PCBs in Subsurface Soil (6'-8')
Scenario 2: PCBs > 50 ppm

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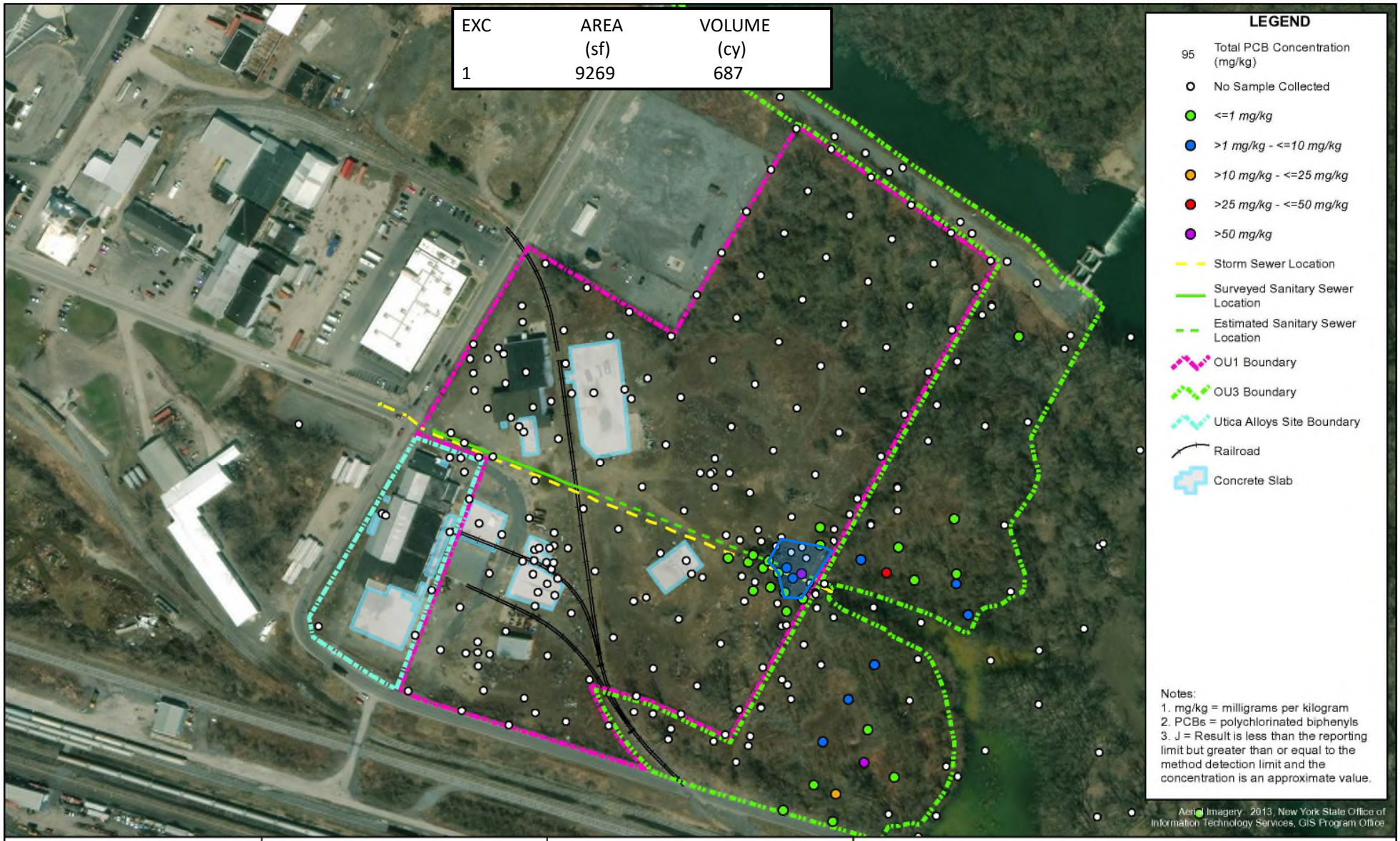
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FIGURE 9
Total PCBs in Subsurface Soil (8'-10')
Scenario 2: PCBs > 50 ppm

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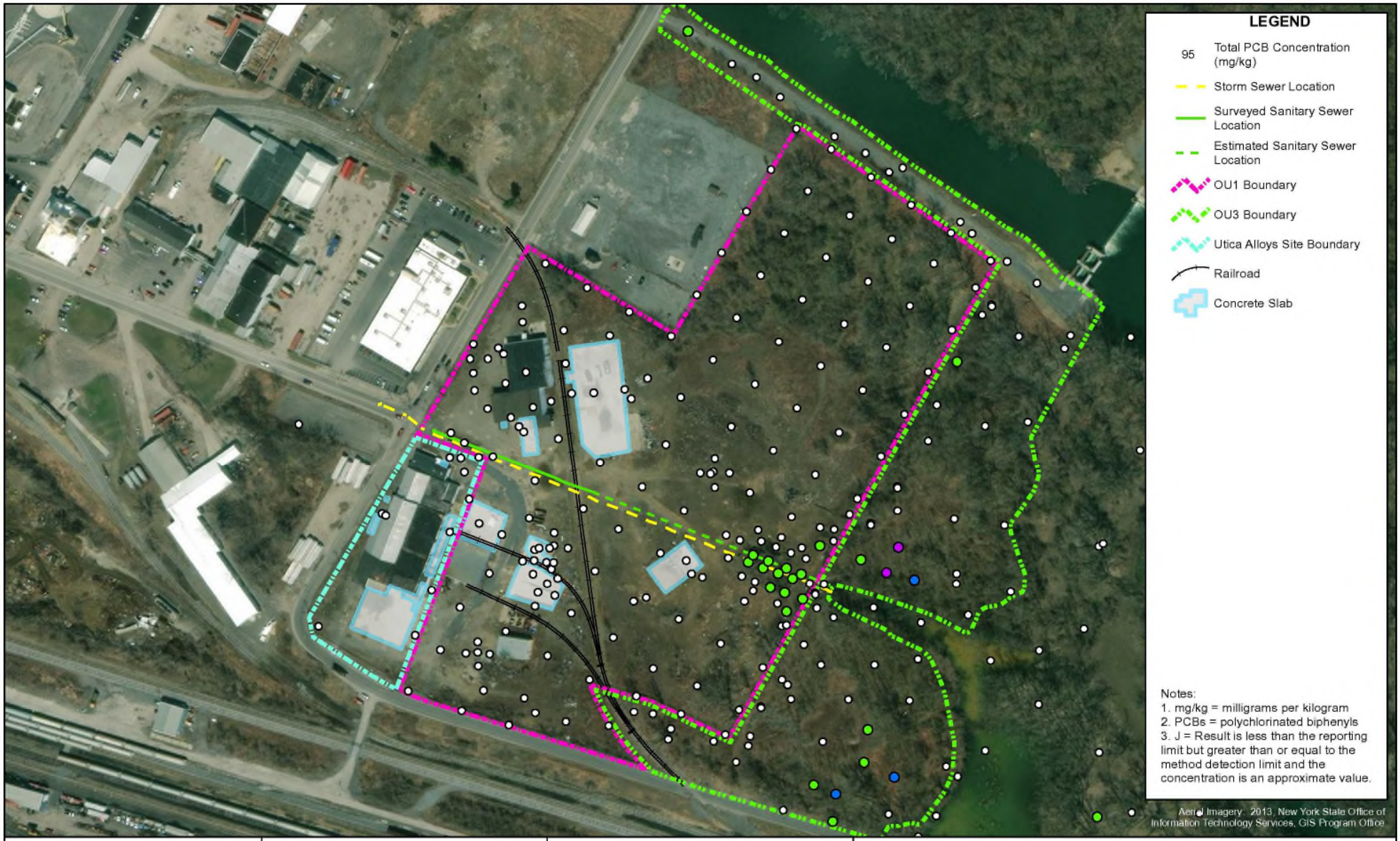
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FIGURE 10
Total PCBs in Subsurface Soil (10'-12')
Scenario 2: PCBs > 50 ppm

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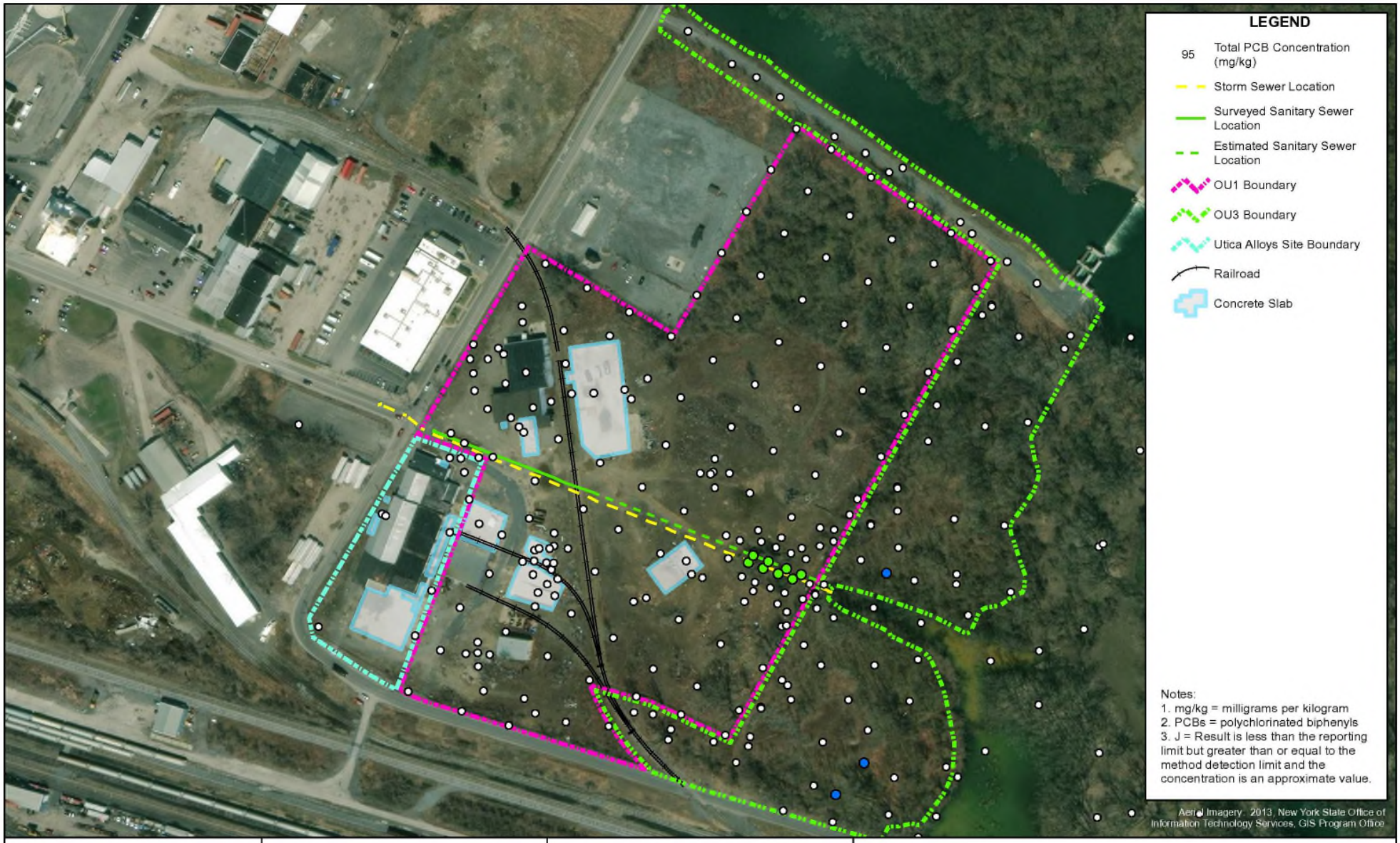
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FIGURE 11
Total PCBs in Subsurface Soil (12'-14')
Scenario 2: PCBs > 50 ppm

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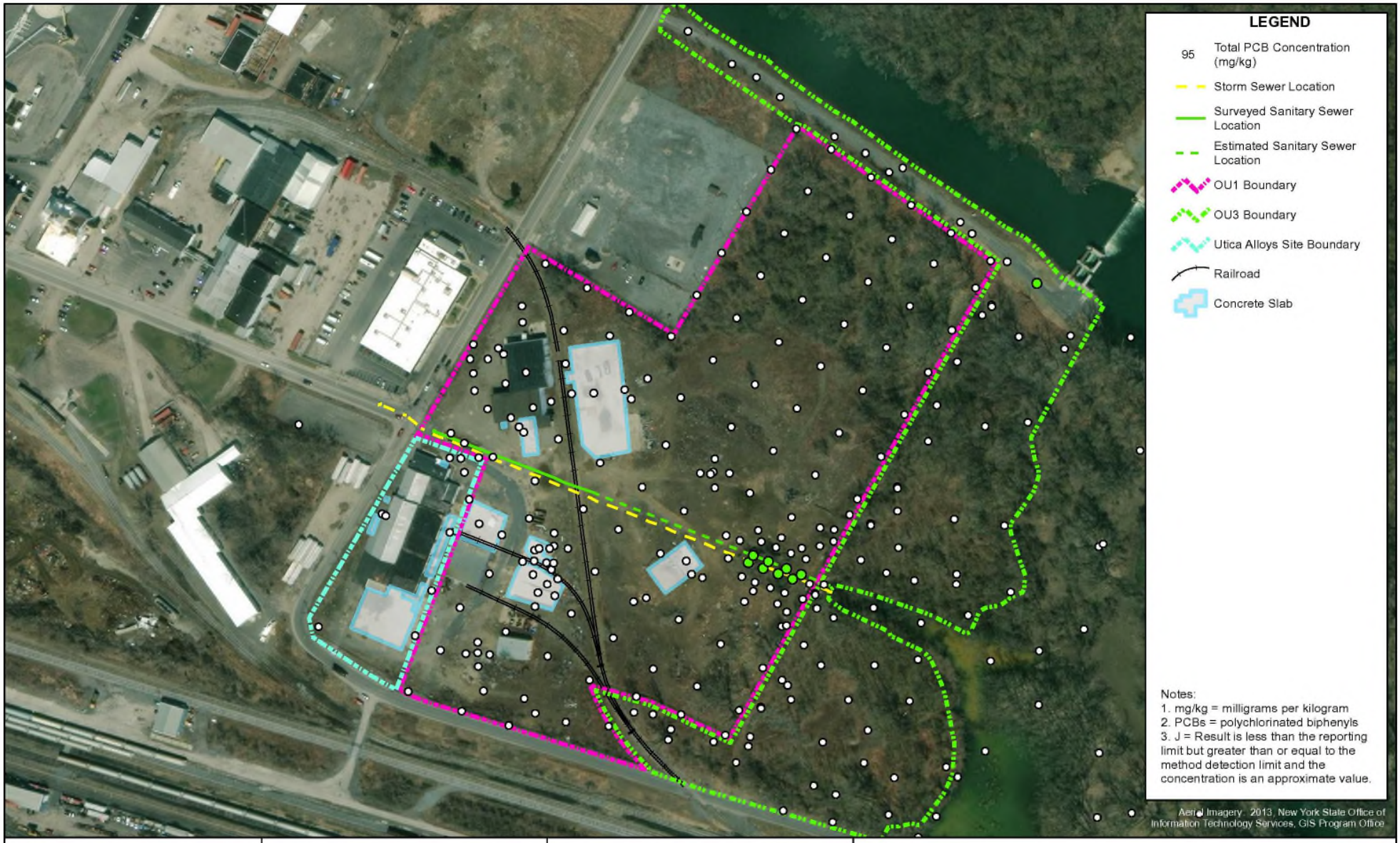
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FIGURE 12
Total PCBs in Subsurface Soil (14'-16')
Scenario 2: PCBs > 50 ppm

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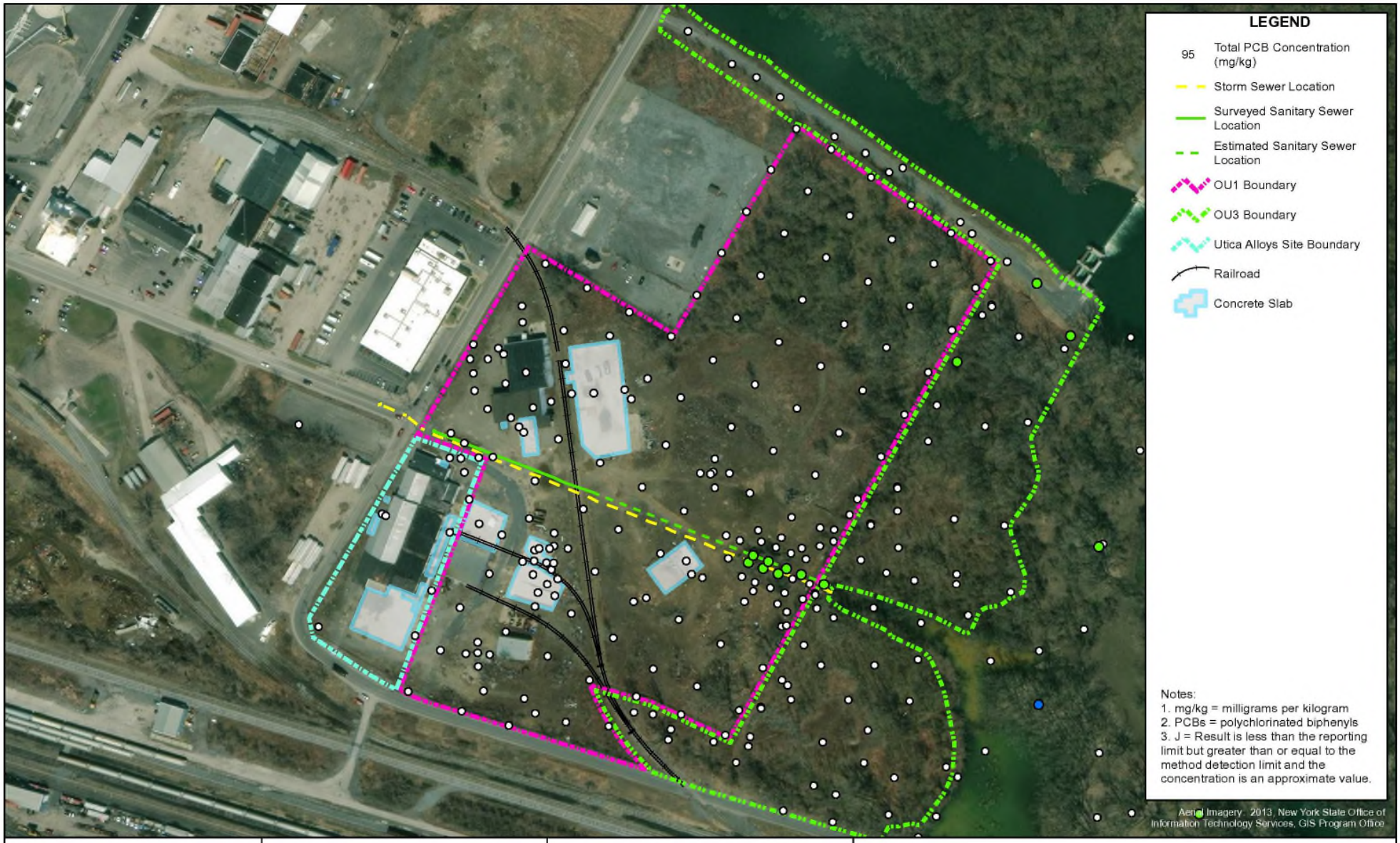
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FIGURE 13
Total PCBs in Subsurface Soil (16'-18')
Scenario 2: PCBs > 50 ppm

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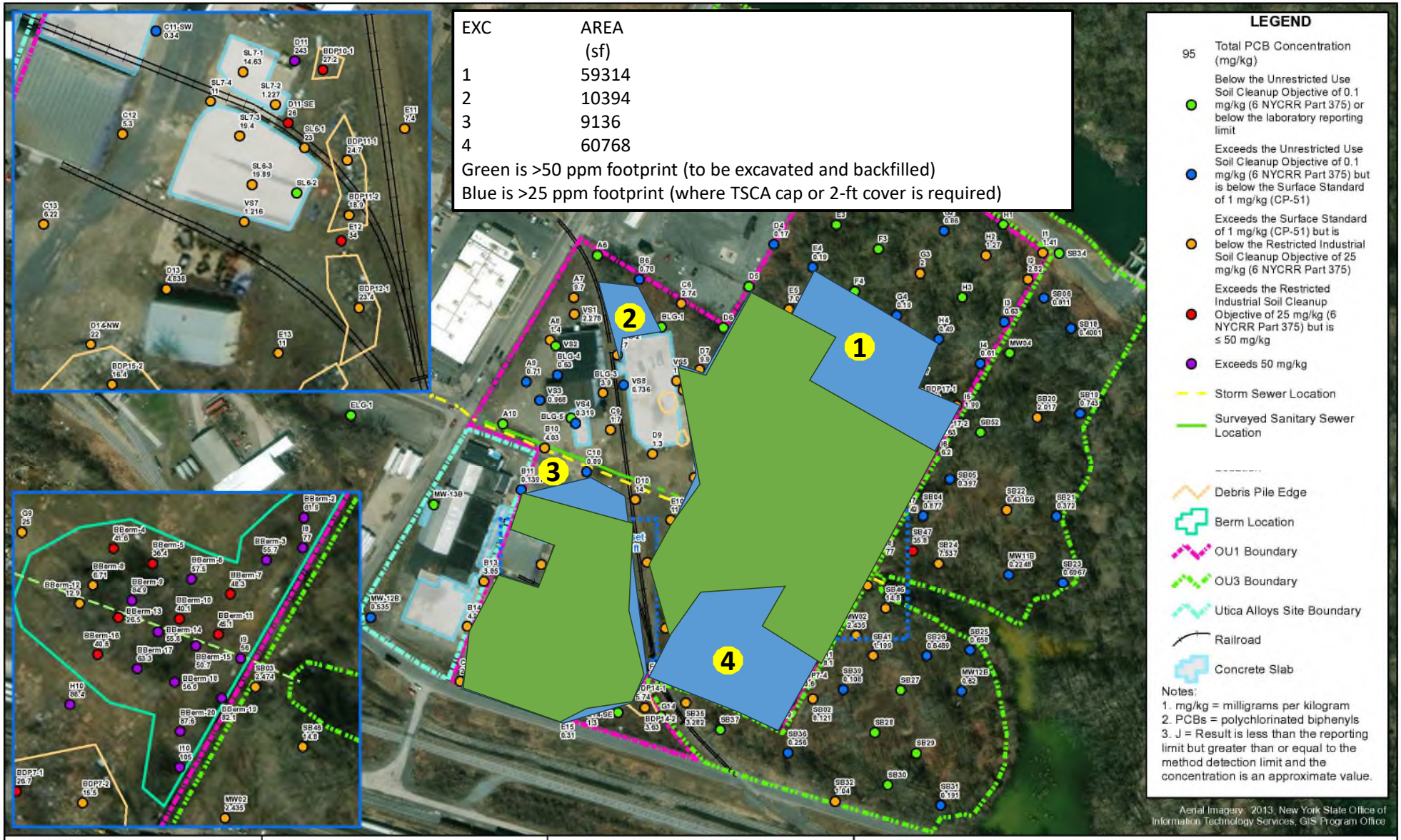
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FIGURE 14
Total PCBs in Subsurface Soil (18'-20')
Scenario 2: PCBs > 50 ppm

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FIGURE 1
Footprint of Soils with PCBs >25 but ≤50 ppm
to be Capped (TSCA) or 2-ft cover

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FIGURE 1
Copper in Surface Soil (0-2") Compared to ESCOs
Scenario 2: PCBs > 50 ppm

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Appendix E RA-3 Figures

Remedial Alternative RA-3

- Remedy
  - Removal and off-site disposal of all soils >25 ppm PCBs and collocated COCs (34,700 CY)
  - Excavated areas backfilled with clean fill material to existing land surface
  - 2-ft cover where PCBs, site-related metals, and other COCs remain in surface soil > ESCOs
  - Environmental Covenant for Industrial Use
- Cost = $14.2MM

- Meets Industrial SCOs, Protection of GW SCOs, and ESCOs
- Requires deed restriction



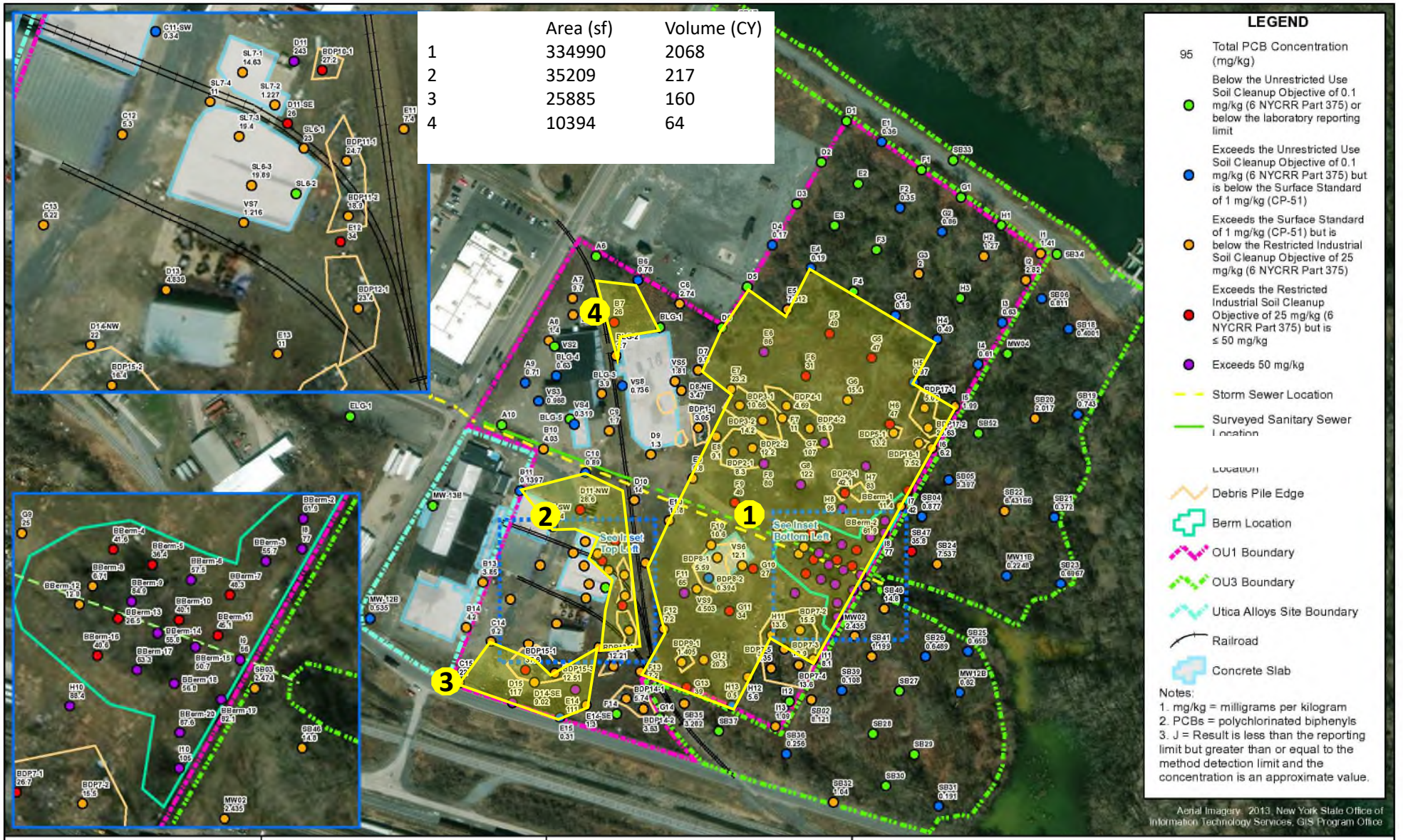
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FIGURE 1
PCBs Soil Remediation Footprint (0-12')
Scenario 3: PCBs > 25 ppm

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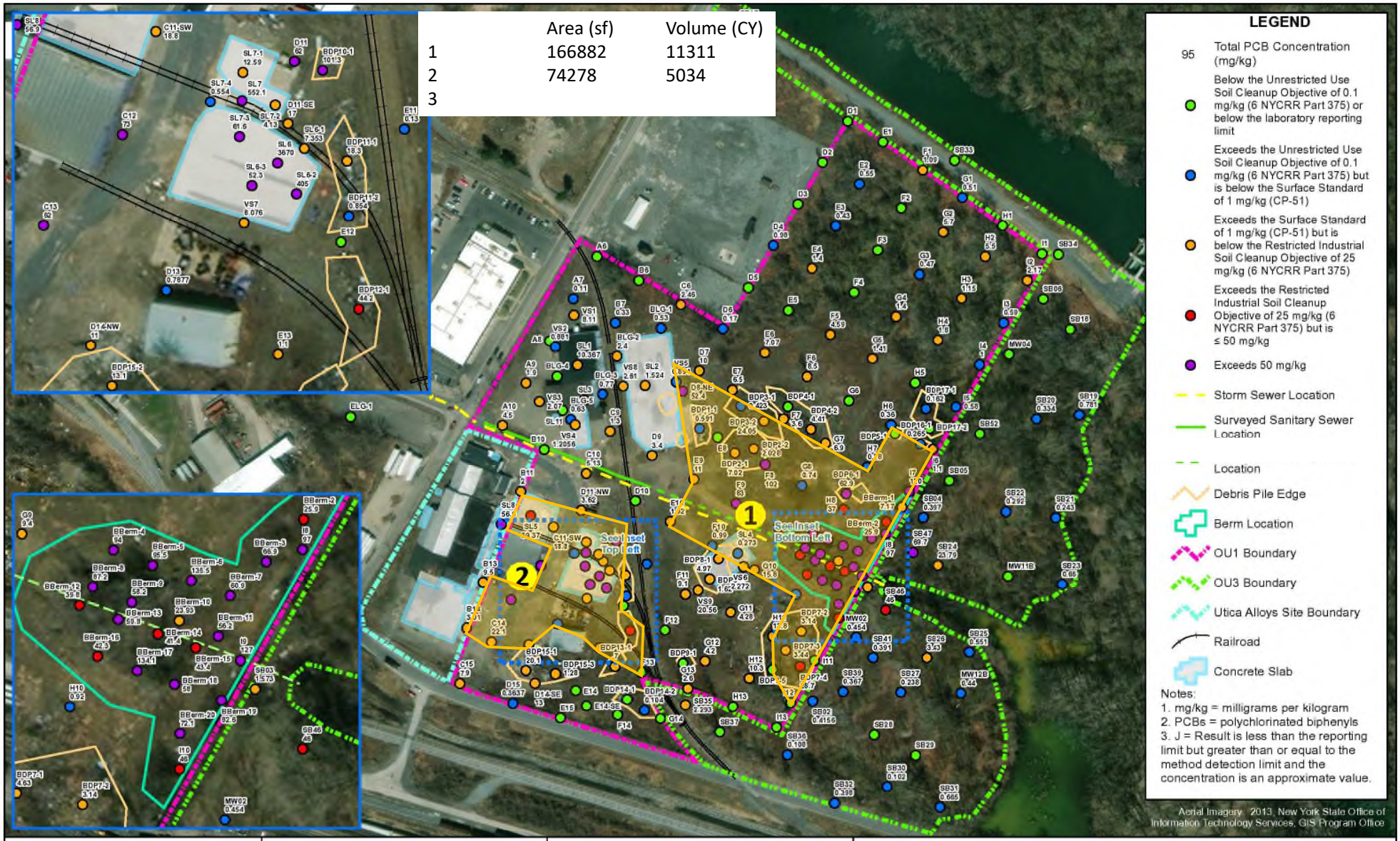
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FIGURE 1
Total PCBs in Surface Soil (0-2")
Scenario 3: PCBs > 25 ppm

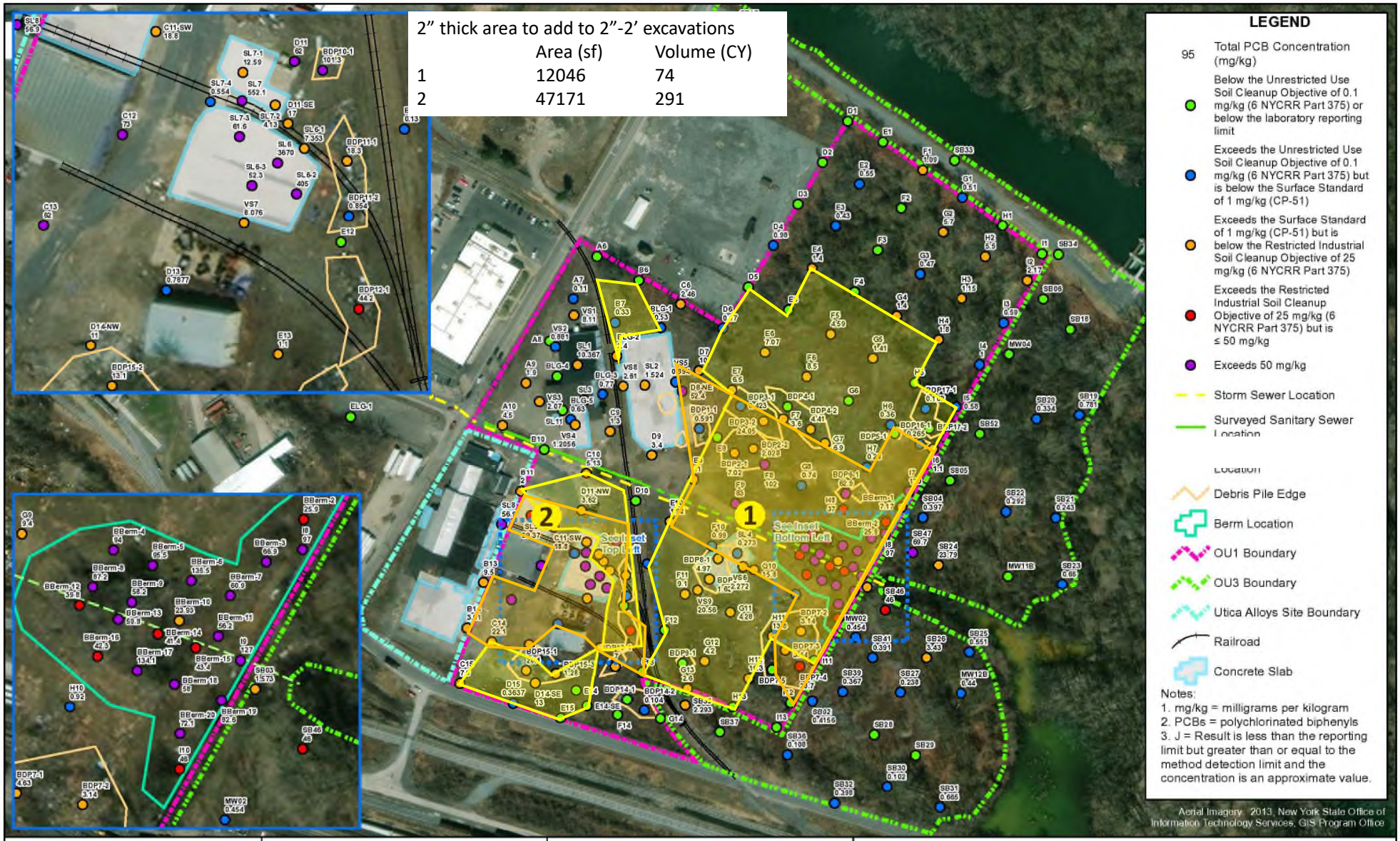
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	Area (sf)	Volume (CY)
1	166882	11311
2	74278	5034
3		

LEGEND
95 Total PCB Concentration (mg/kg)
Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting limit
Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Surface Standard of 1 mg/kg (CP-51)
Exceeds the Surface Standard of 1 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
Exceeds 50 mg/kg
Storm Sewer Location
Surveyed Sanitary Sewer Location
Location
Debris Pile Edge
Berm Location
OU1 Boundary
OU3 Boundary
Utica Alloys Site Boundary
Railroad
Concrete Slab
Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office
1
2
SeeInset Bottom Left
SeeInset Top Left
N
0 110 220 330 440
Feet
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FIGURE 3
Total PCBs in Surface Soil (2”-2’)
Scenario 3: PCBs > 25 ppm
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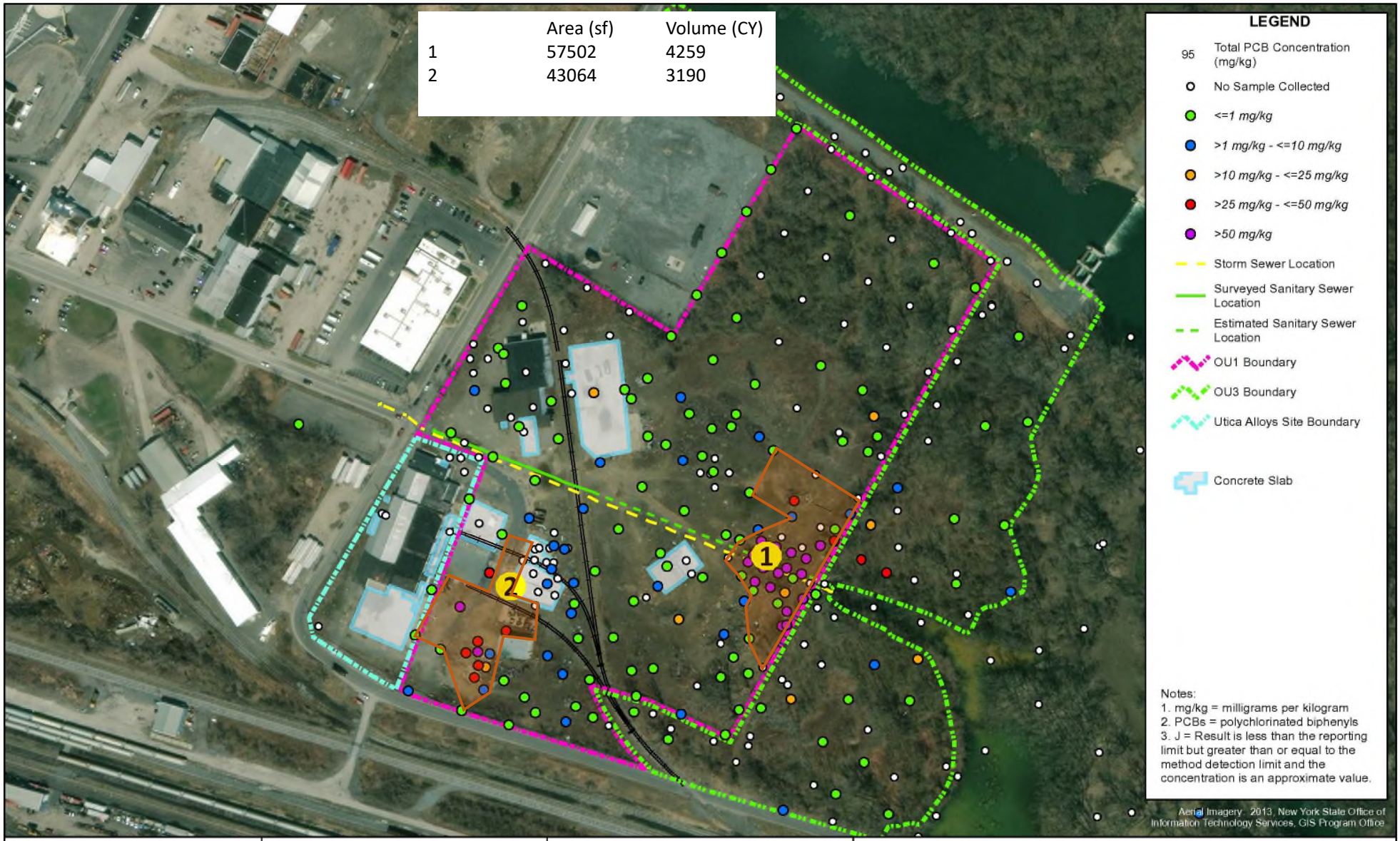
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FIGURE 2
Total PCBs in Surface Soil (0-2’)
Scenario 3: PCBs > 25 ppm

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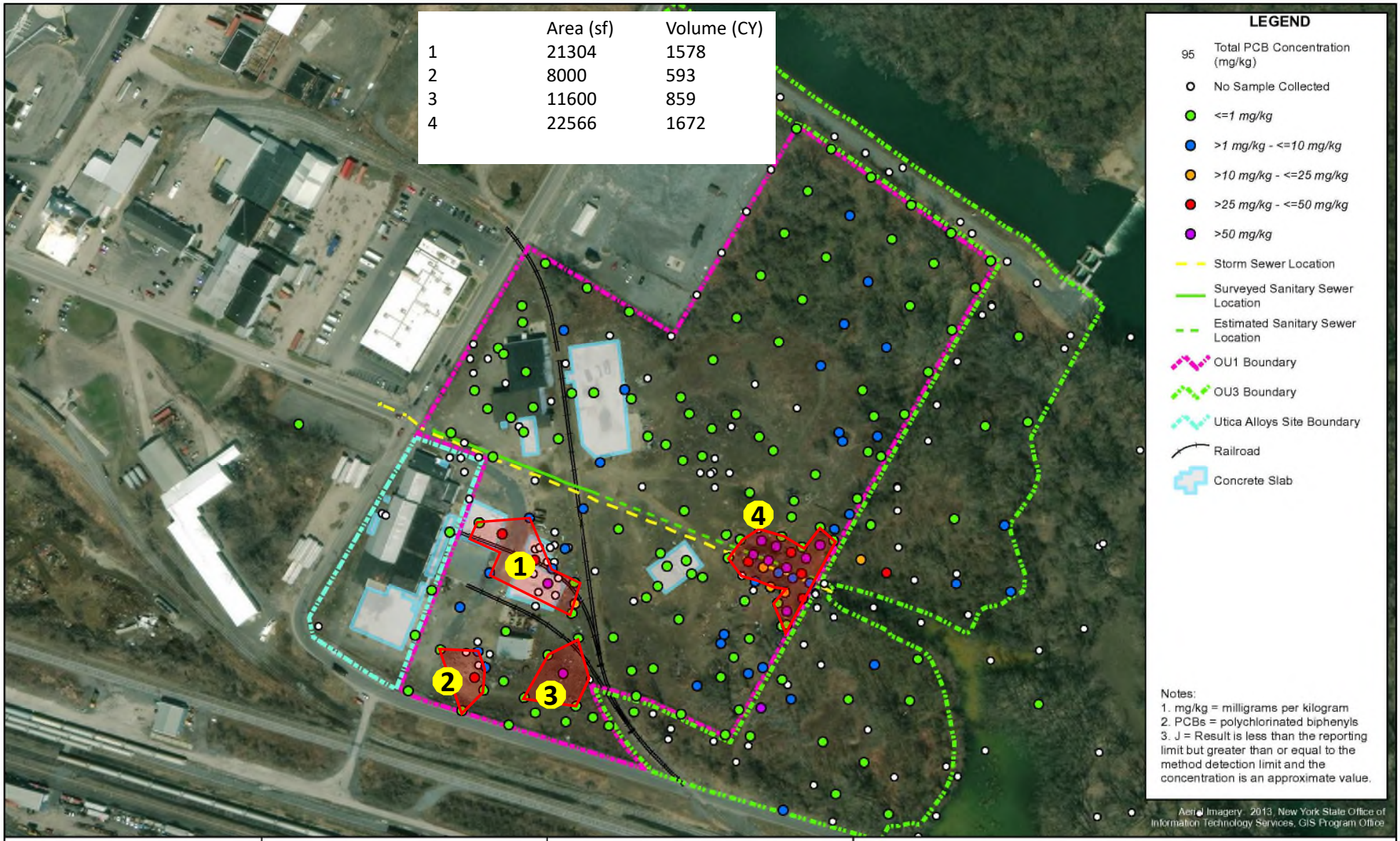
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FIGURE 4
Total PCBs in Subsurface Soil (2'-4')
Scenario 3: PCBs > 25 ppm

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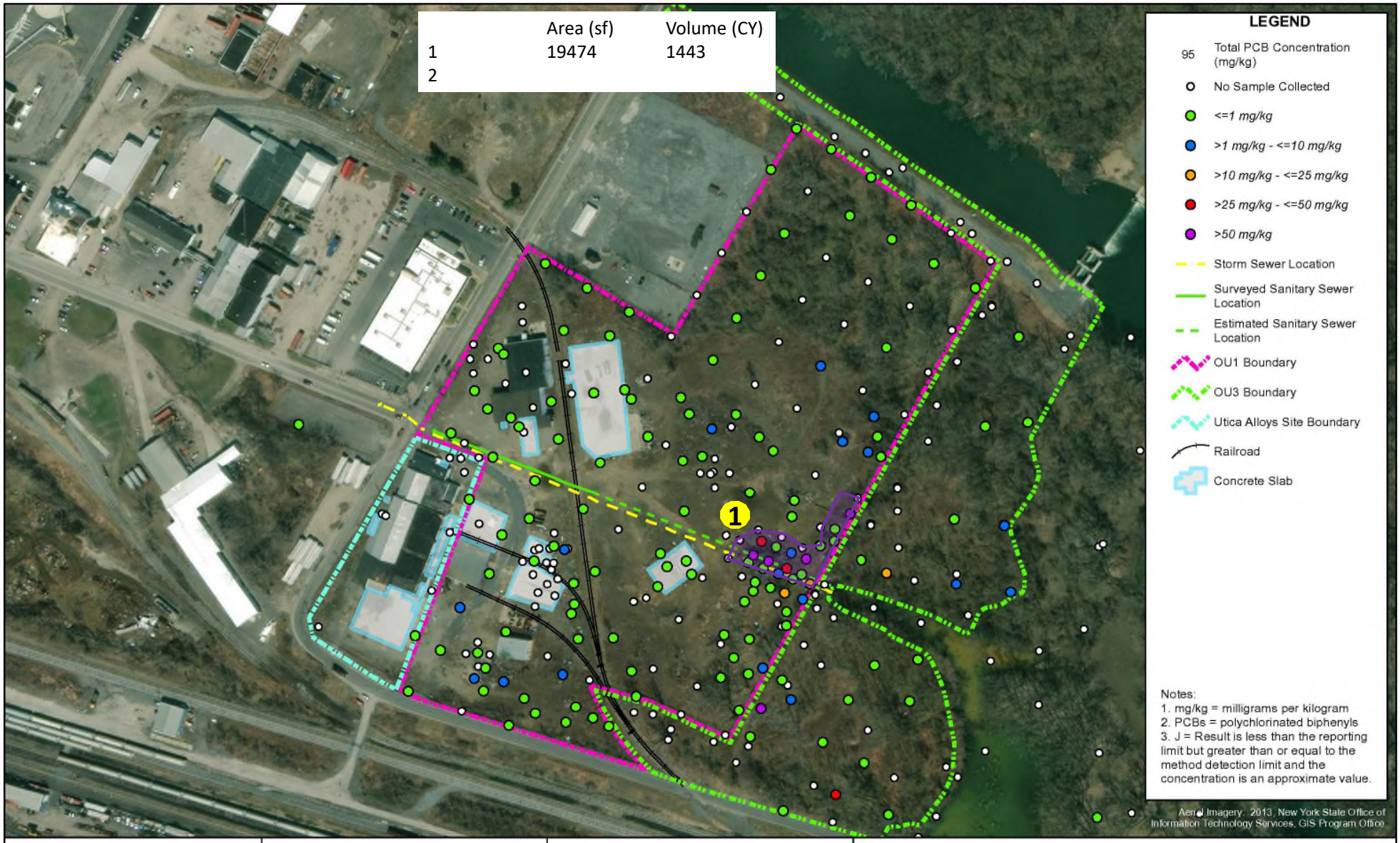
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Feet

FIGURE 5
Total PCBs in Subsurface Soil (4'-6')
Scenario 3: PCBs > 25 ppm

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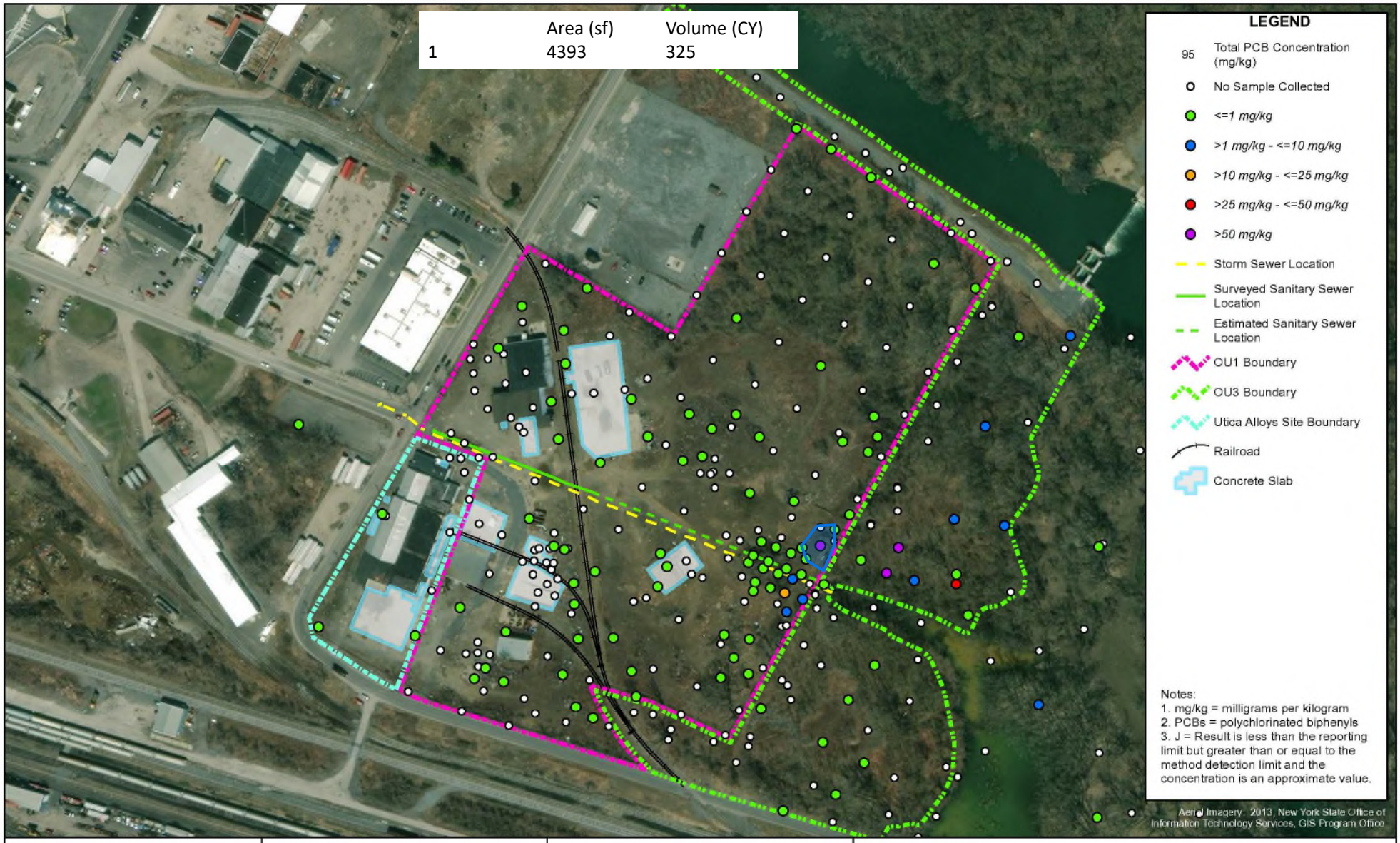
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FIGURE 6
Total PCBs in Subsurface Soil (6'-8')
Scenario 3: PCBs > 25 ppm

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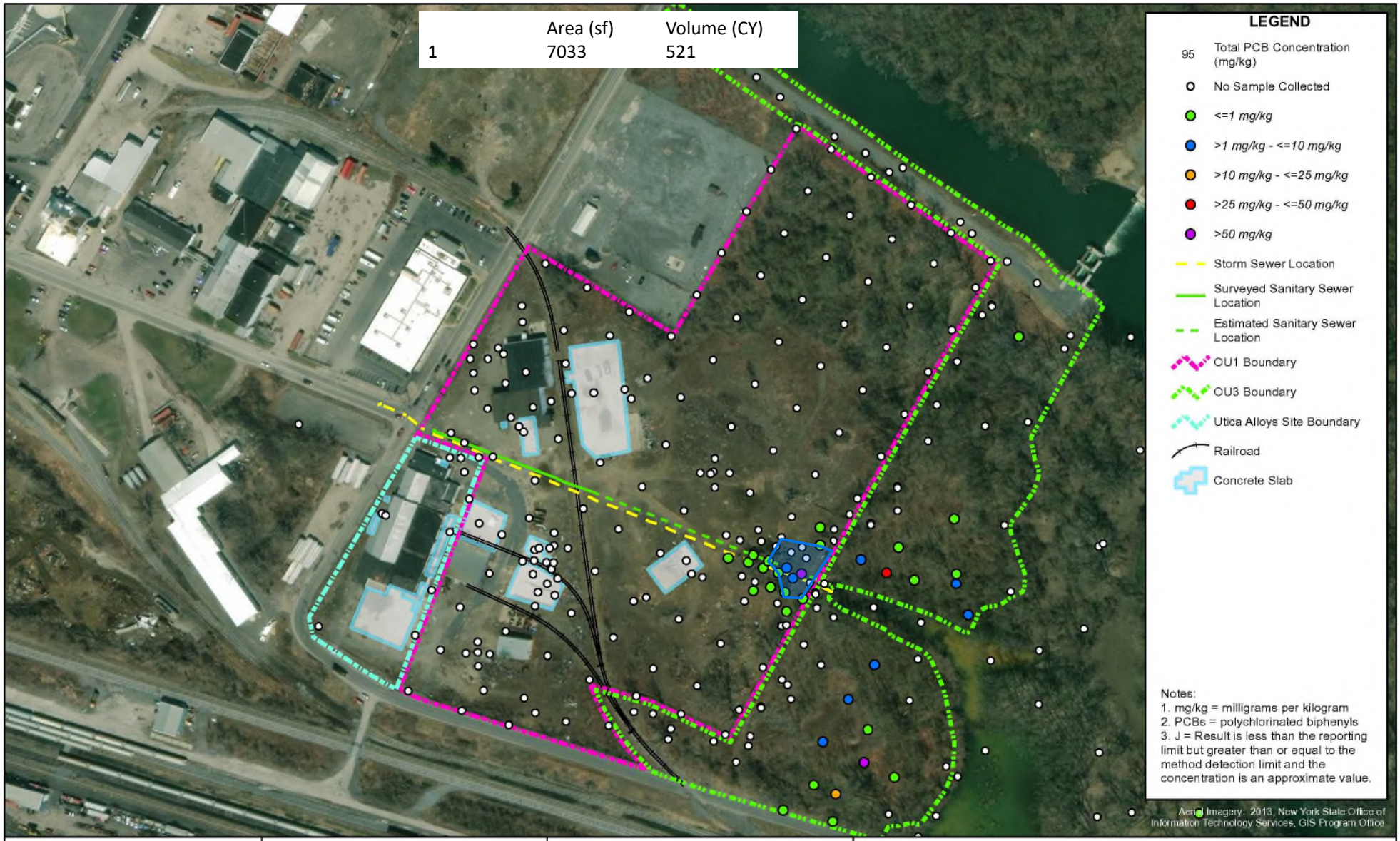
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FIGURE 7
Total PCBs in Subsurface Soil (8-10')
Scenario 3: PCBs > 25 ppm

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FIGURE 8
Total PCBs in Subsurface Soil (10'-12')
Scenario 3 : PCBs > 25 ppm

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0 110 220 330 440
Feet

FIGURE 1
Copper in Surface Soil (0-2") Compared to ESCOs
Scenario 3: PCBs > 25 ppm

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Appendix F RA-4 Figures

Remedial Alternative RA-4

- Remedy
  - Removal and off-site disposal of all soils to CP-51 Standard (NYSDEC commercial standard) (64,000 CY)
    - >1 ppm PCBs in surface soils (0-1 ft)
    - >10 ppm PCBs in subsurface soils (>1 ft)
  - Excavated areas backfilled with clean fill material to existing land surface
  - Capping (TSCA) or 2-ft cover where PCBs remaining >1 and ≤10 ppm and where remaining COCs exceed ESCOs
  - Environmental Covenant for Commercial/Industrial Use
- Cost = $21.4 MM

- Meets Commercial SCOs, Protection of GW SCOs, and ESCOs
- Requires deed restriction



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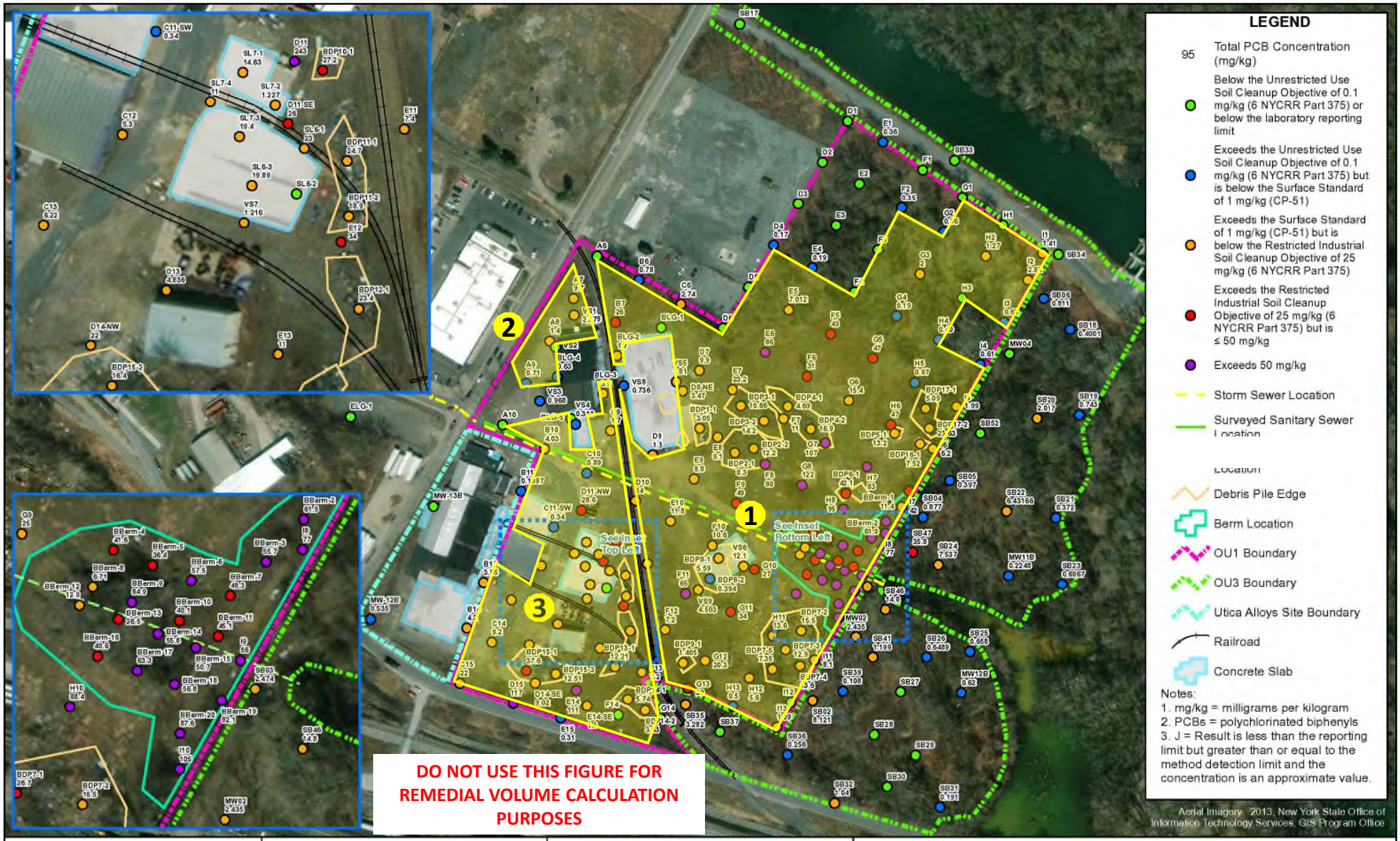
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FIGURE 1
PCBs Soil Remediation Footprint (0-12')
Scenario 4: PCBs to CP-51 Standards

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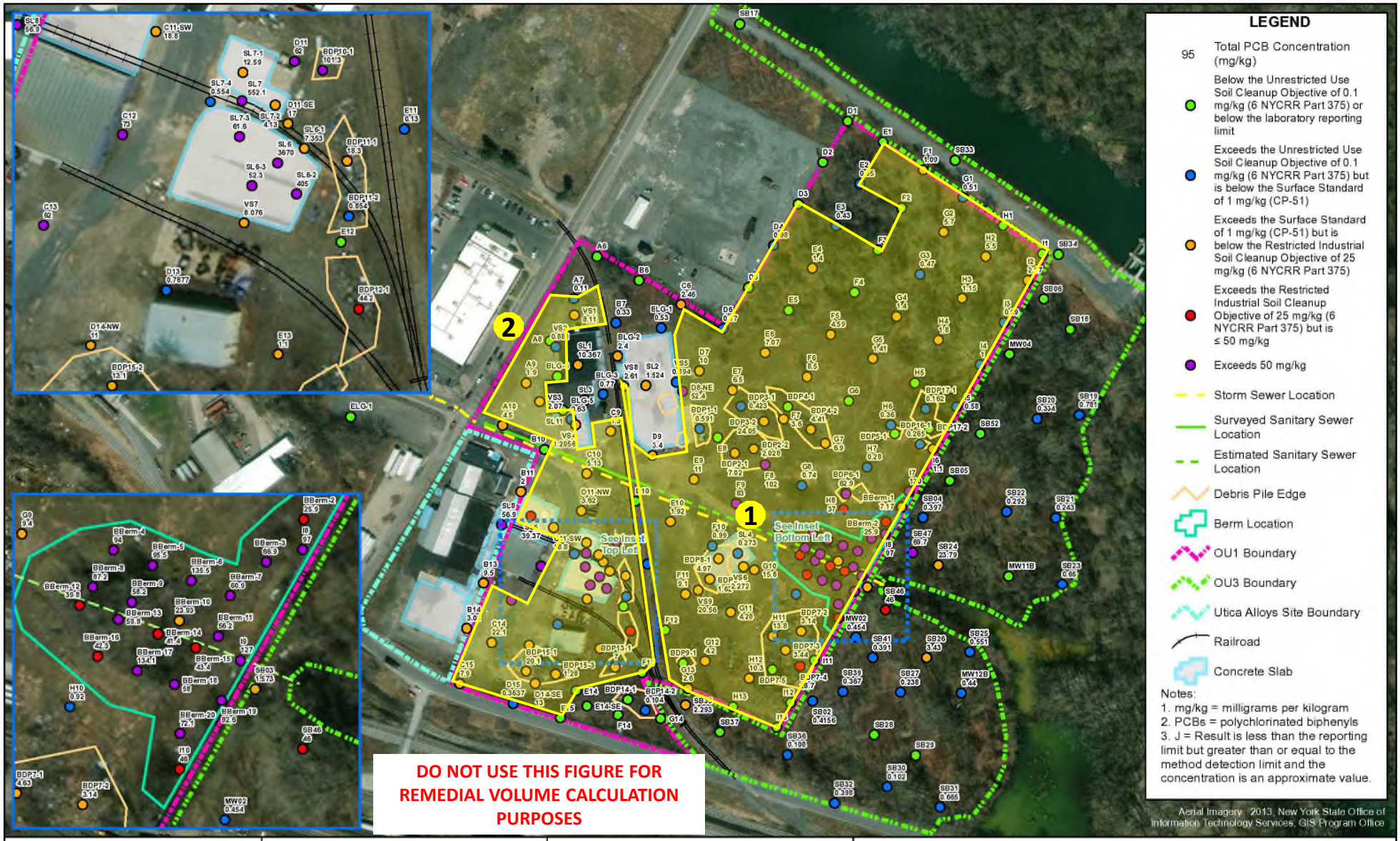
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Feet

FIGURE 2
Total PCBs in Surface Soil (0-2")
Scenario 4: PCBs > 1 ppm

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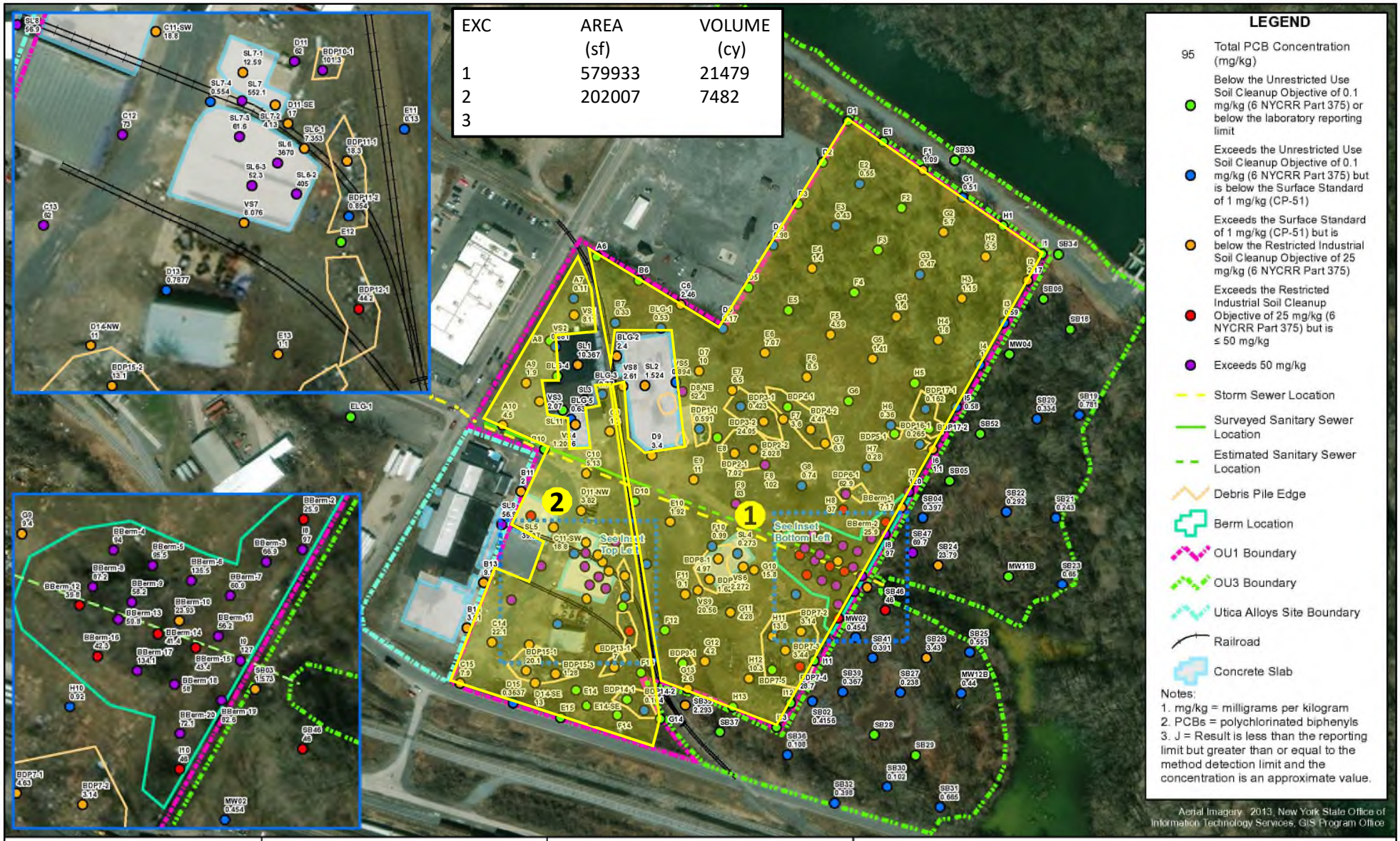
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FIGURE 3
Total PCBs in Surface Soil (2”-1’)
Scenario 4: PCBs > 1 ppm

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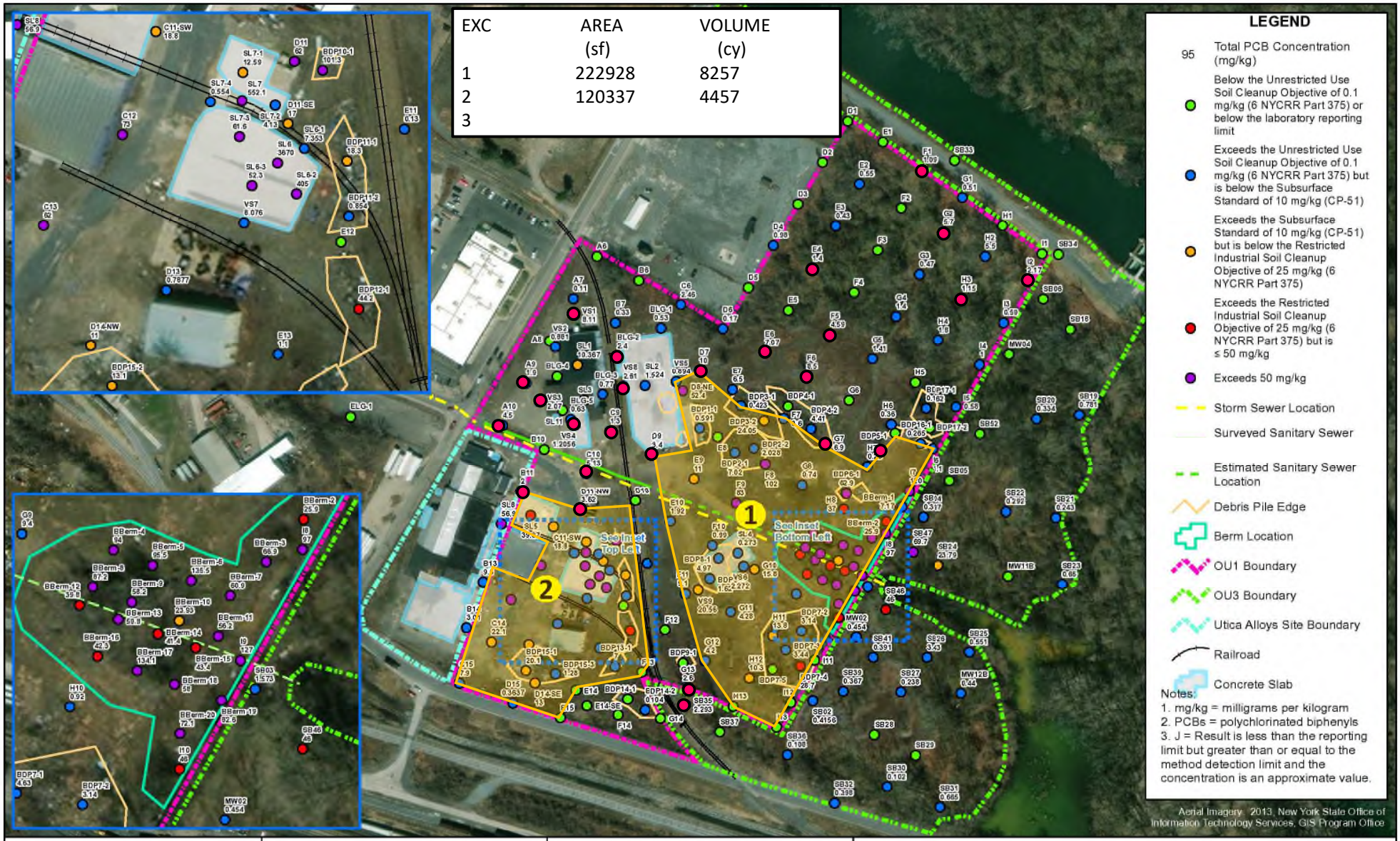
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Feet

FIGURE 4
Total PCBs in Surface Soil (0-1')
Scenario 4: PCBs > 1 ppm

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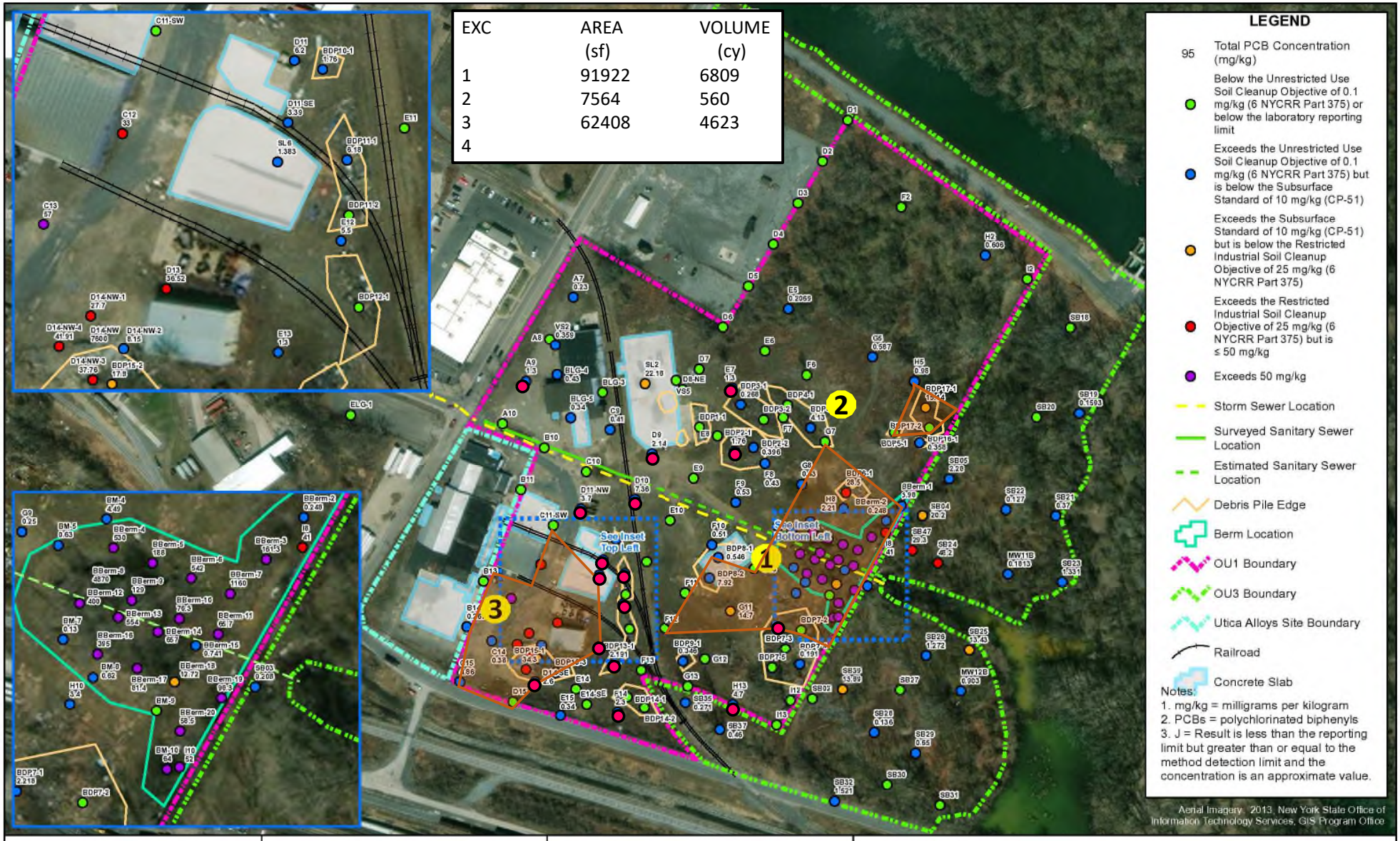
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FIGURE 5
Total PCBs in Subsurface Soil (1'-2')
Scenario 4: PCBs > 10 ppm

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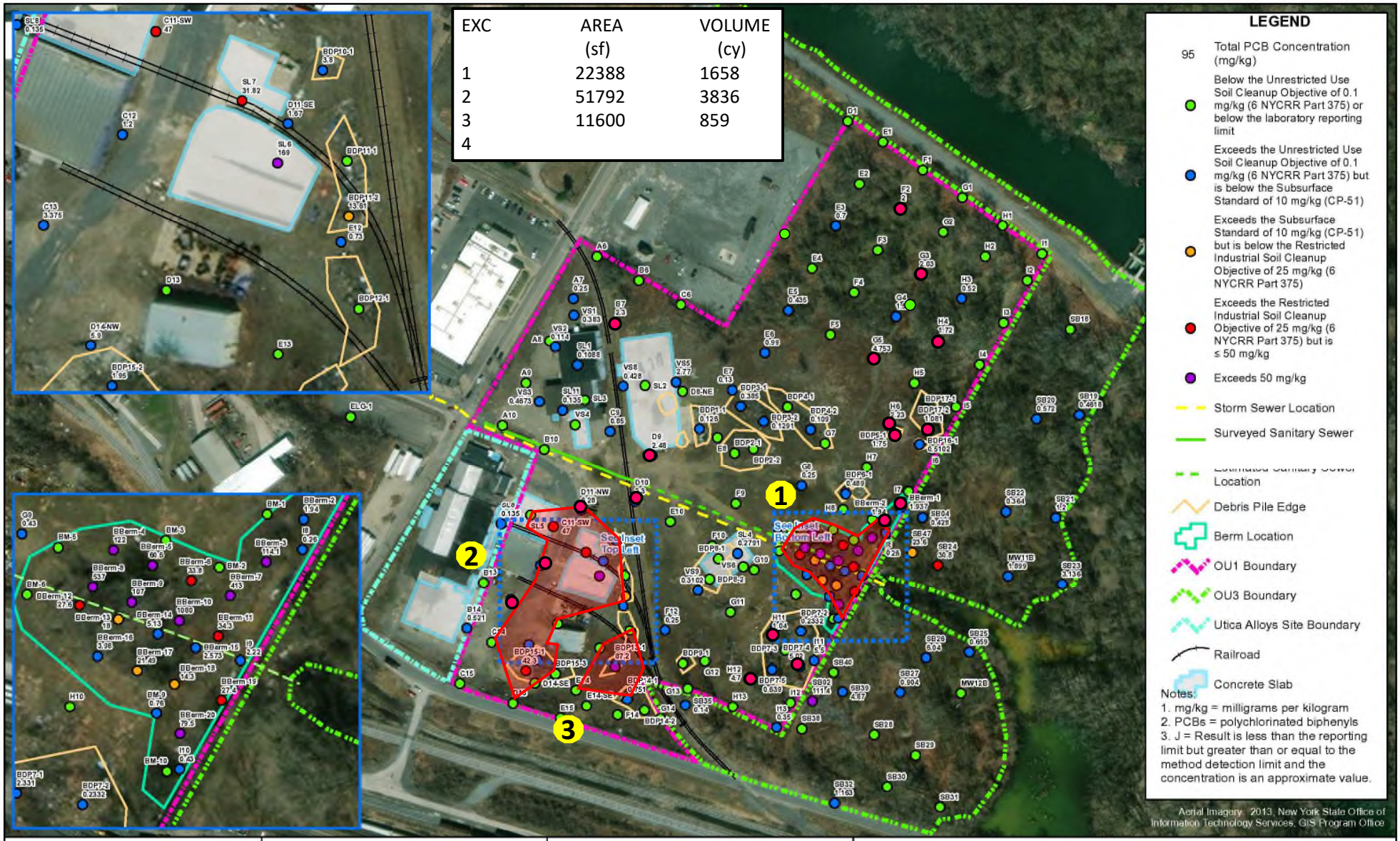
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0 110 220 330 440
Feet

FIGURE 6
Total PCBs in Subsurface Soil (2'-4')
Scenario 4: PCBs > 10 ppm

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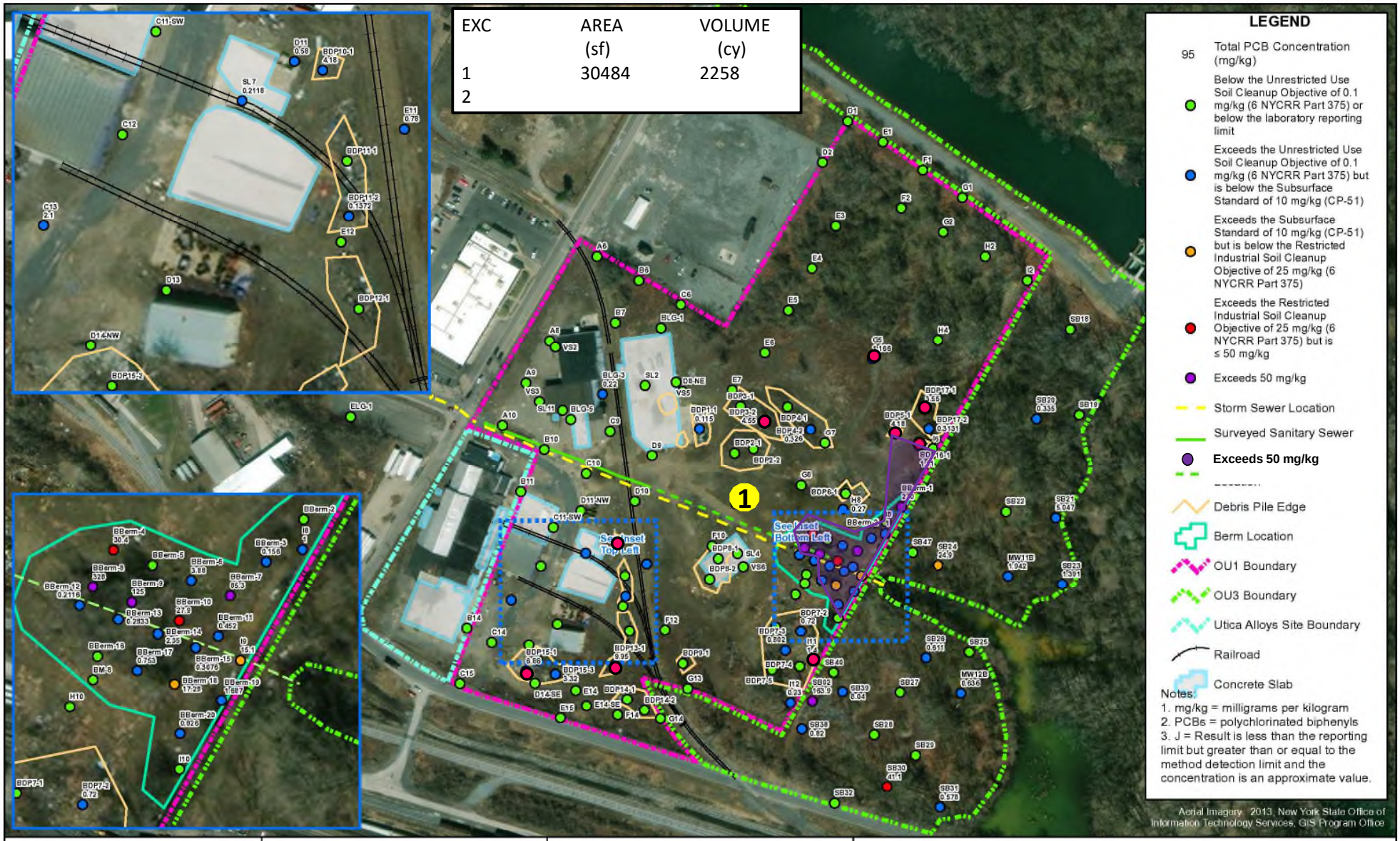
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UTICA, NEW YORK

FIGURE 7
Total PCBs in Subsurface Soil (4'-6')
Scenario 4: PCBs > 10 ppm

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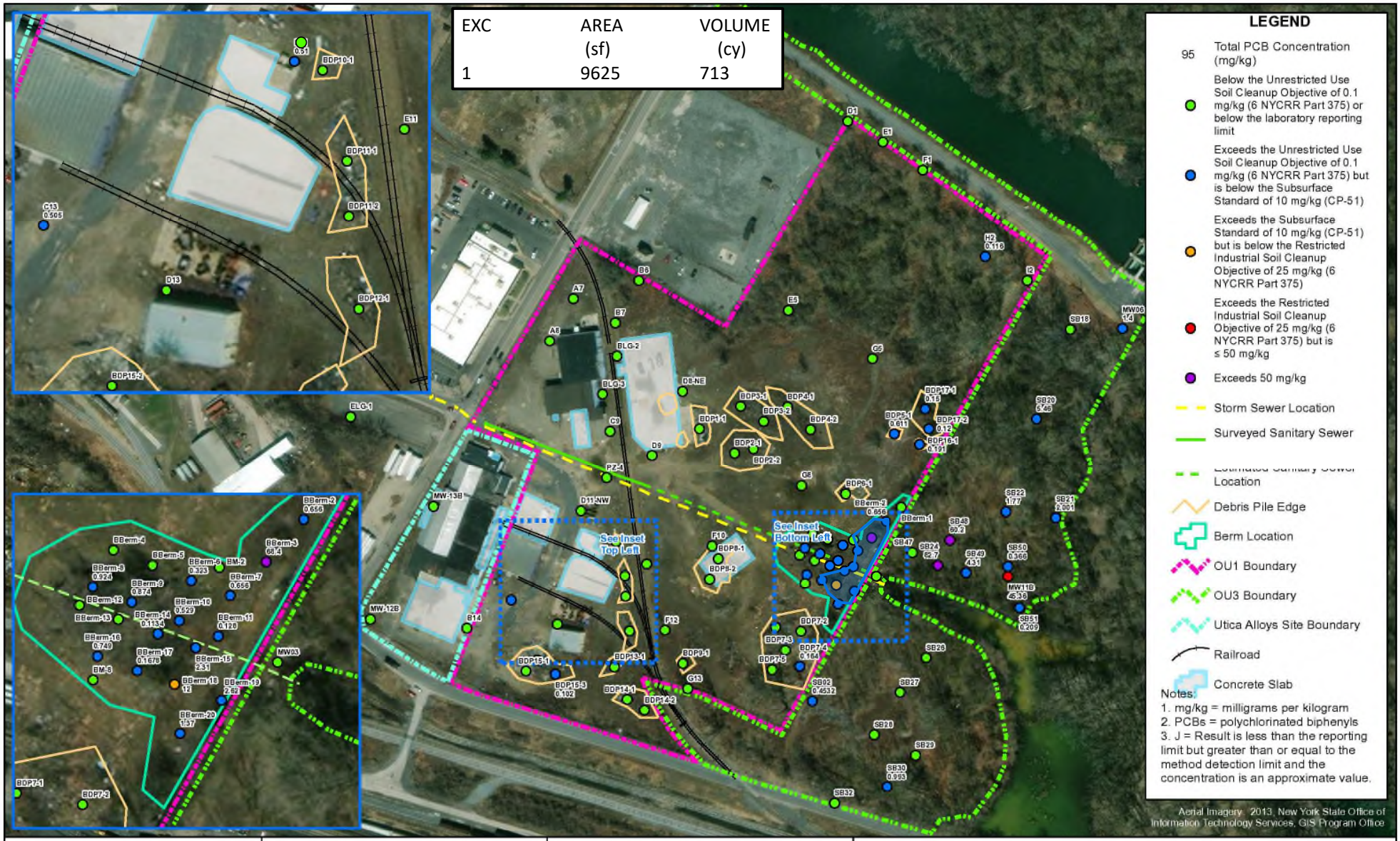
EHS Support

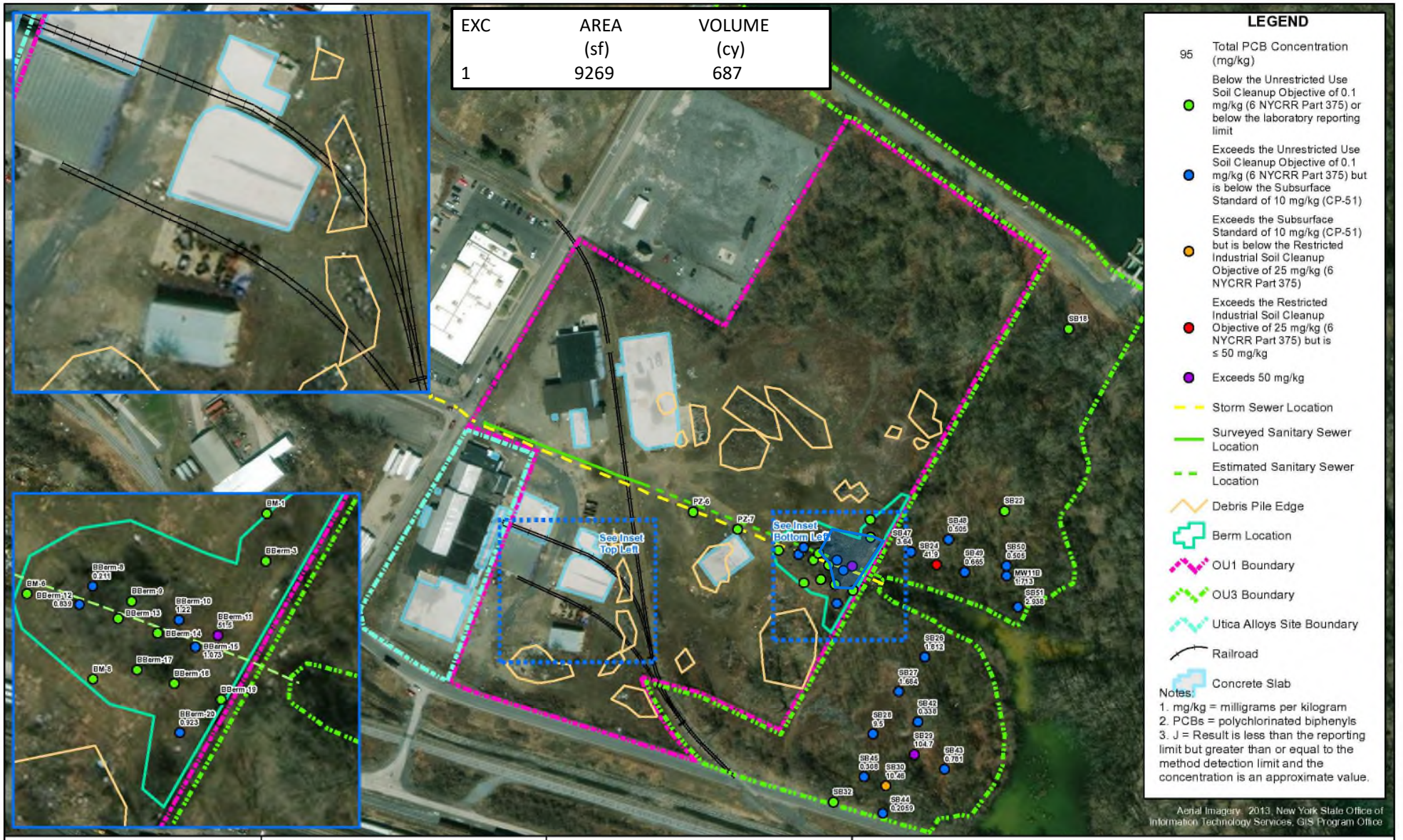
UNIVERSAL WASTE
UTICA, NEW YORK

FIGURE 8
Total PCBs in Subsurface Soil (6'-8')
Scenario 4: PCBs > 10 ppm

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Saved on 3/24/2022


EXC | AREA (sf) | VOLUME (cy)
1 | 9625 | 713
LEGEND
95 Total PCB Concentration (mg/kg)
Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting limit
Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
Exceeds 50 mg/kg
Storm Sewer Location
Surveyed Sanitary Sewer
Location
Debris Pile Edge
Berm Location
OU1 Boundary
OU3 Boundary
Utica Alloys Site Boundary
Railroad
Concrete Slab
Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
See Inset Top Left
See Inset Bottom Left
Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office
EHS Support
UNIVERSAL WASTE
UTICA, NEW YORK
N
0 110 220 330 440
Feet
FIGURE 9
Total PCBs in Subsurface Soil (8'-10')
Scenario 4: PCBs > 10 ppm
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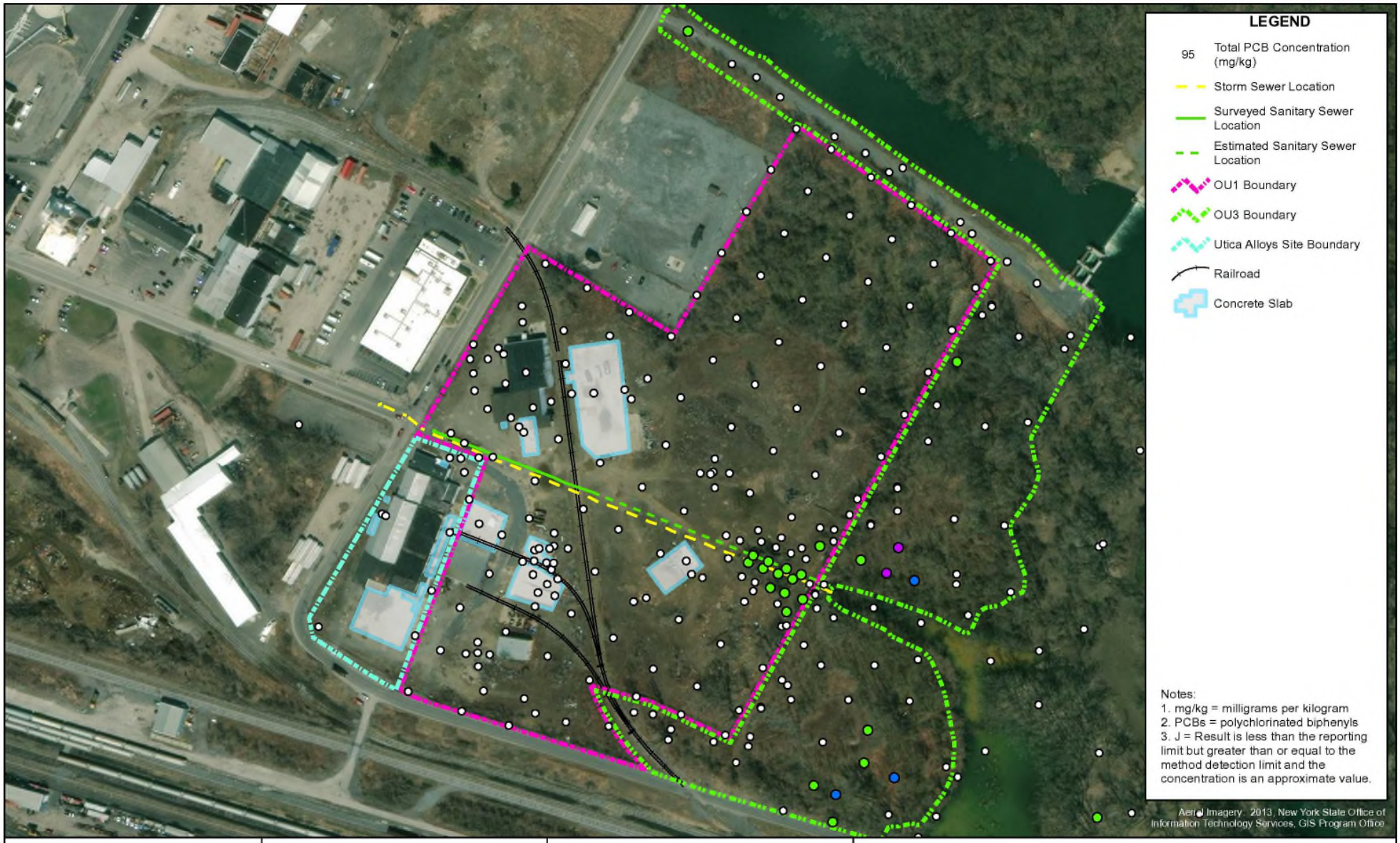
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FIGURE 10
Total PCBs in Subsurface Soil (10'-12')
Scenario 4: PCBs > 10 ppm

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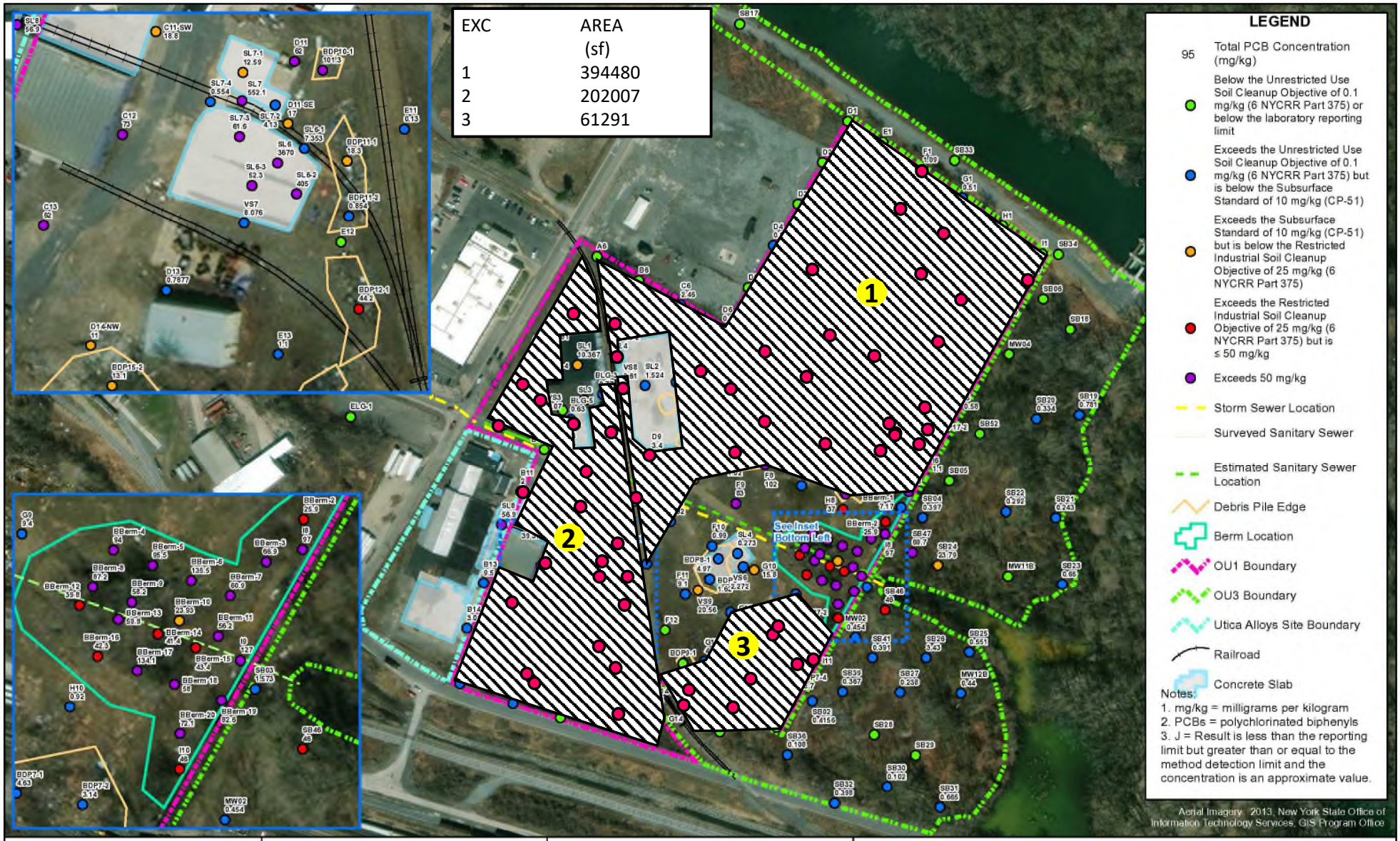
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0 110 220 330 440
Feet

FIGURE 11
Total PCBs in Subsurface Soil (12'-14')
Scenario 4: PCBs > 10 ppm

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0 110 220 330 440
Feet

Area Where PCBs >1 ppm but ≤10 ppm Remain Requiring a TSCA Cap (or 2-ft cover)
(● denotes sample >1 ppm but ≤10 ppm)

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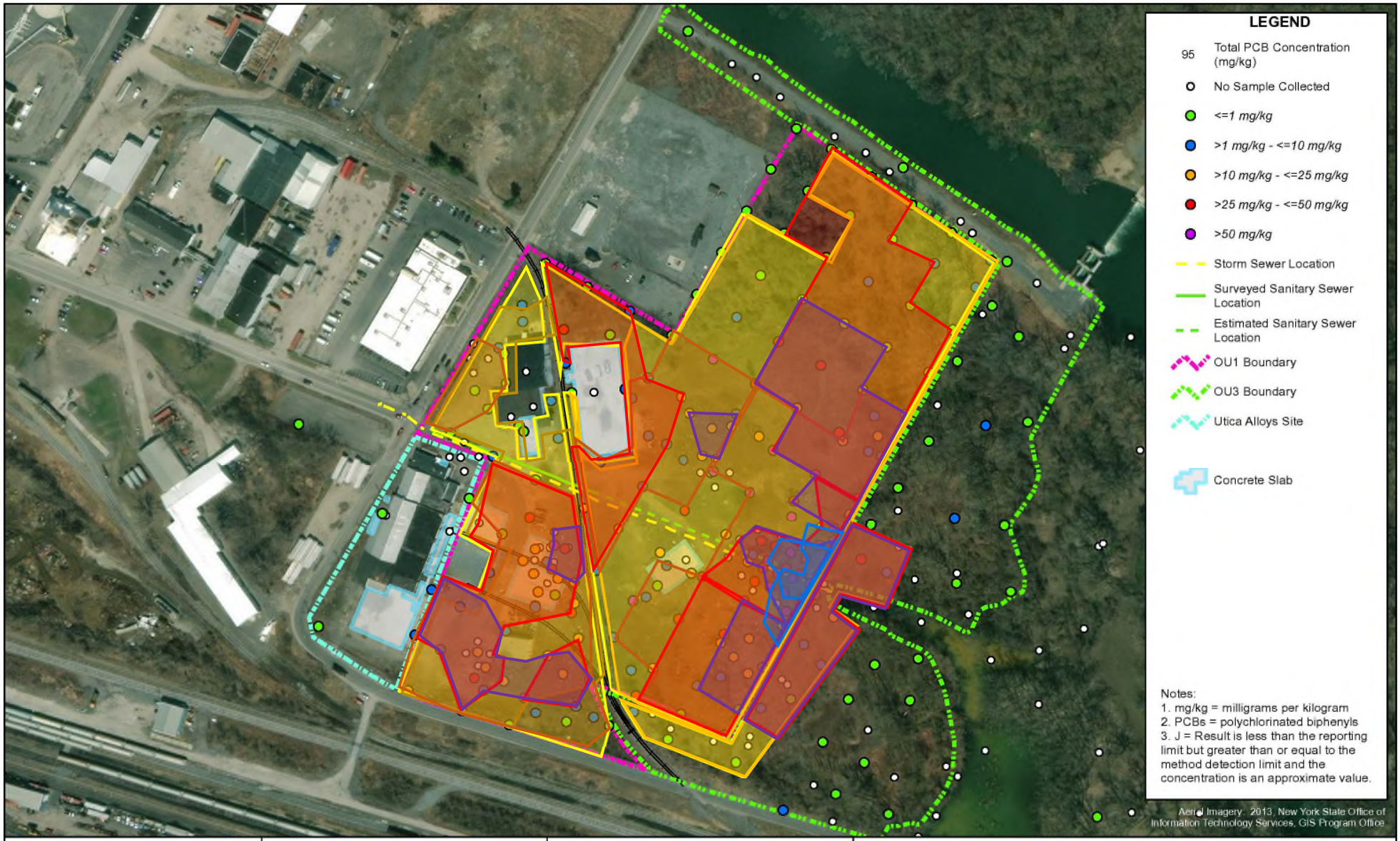
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Appendix G RA-5 Figures

Remedial Alternative RA-5

- Remedy
  - Removal and off-site disposal of all soils with PCBs >1 ppm (154,000 CY)
  - Excavated areas backfilled with clean fill material to existing land surface
  - Environmental Covenant for Residential, Commercial, or Industrial Use
- Cost = $37 MM

- Meets Residential SCOs, Protection of GW SCOs, and ESCOs
- Requires deed restriction



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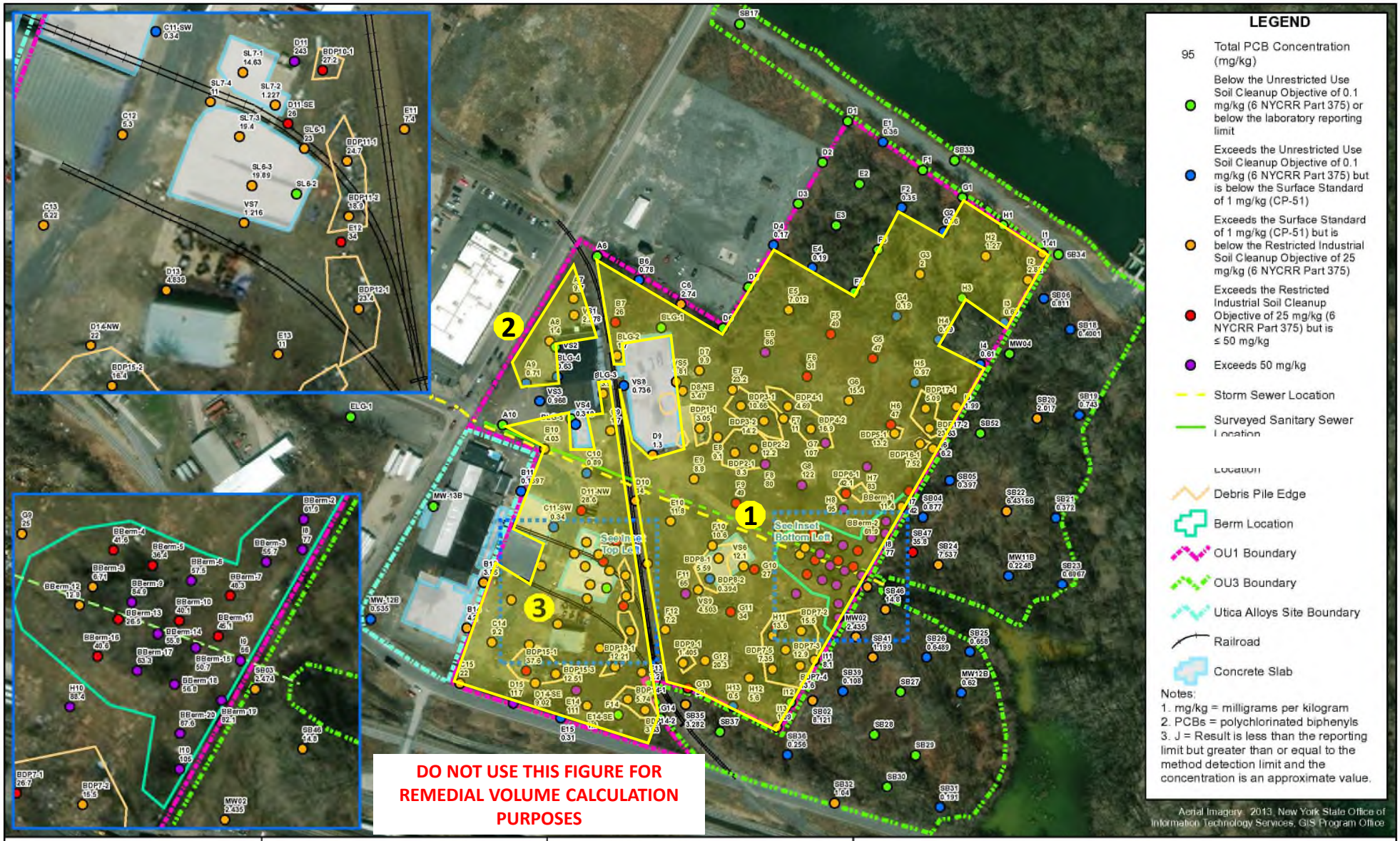
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Feet

FIGURE 1
PCBs Soil Remediation Footprint (0-12')
Scenario 5: PCBs > 1 ppm

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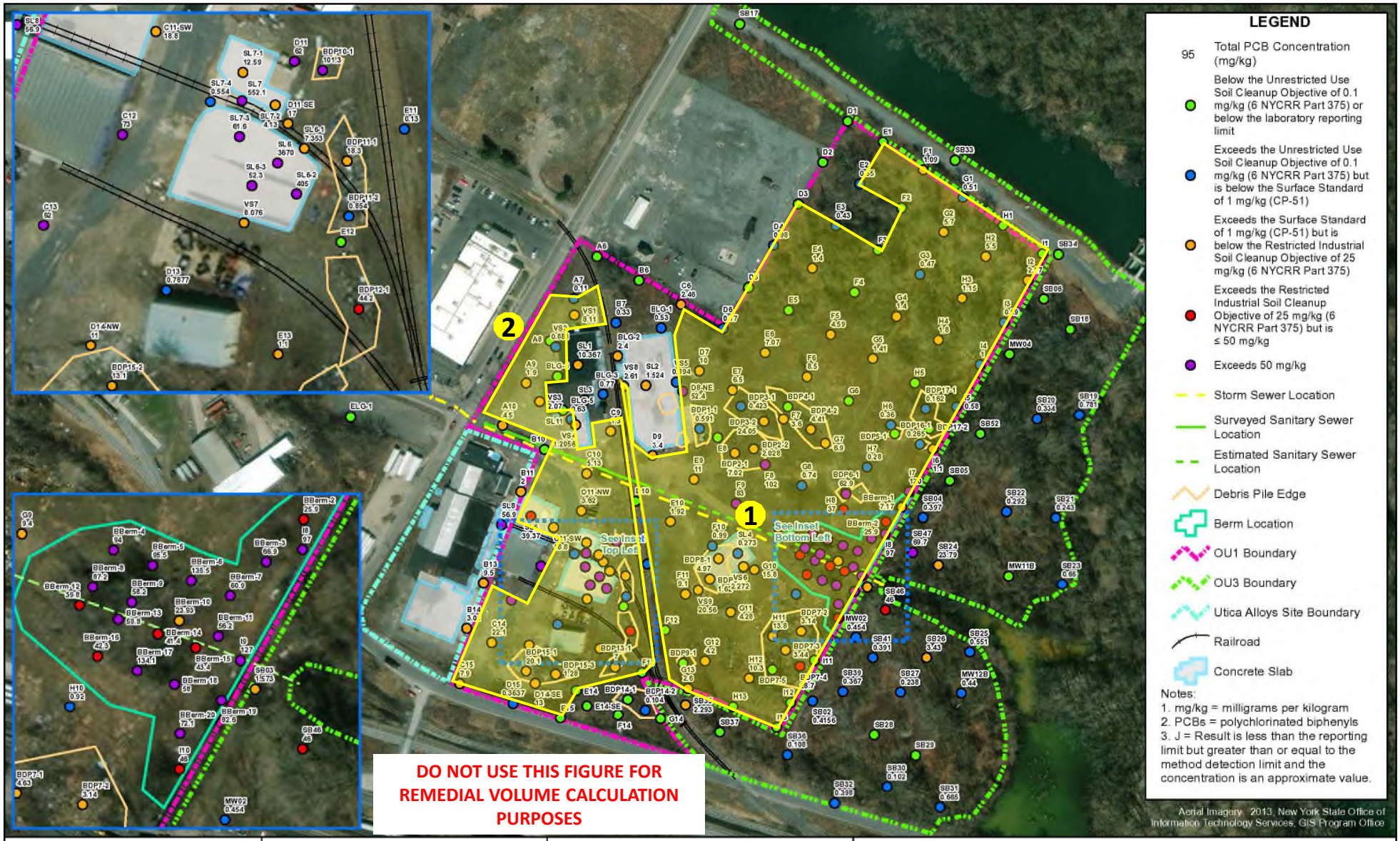
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0 110 220 330 440
Feet

FIGURE 2
Total PCBs in Surface Soil (0-2")
Scenario 5: PCBs > 1 ppm

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UTICA, NEW YORK

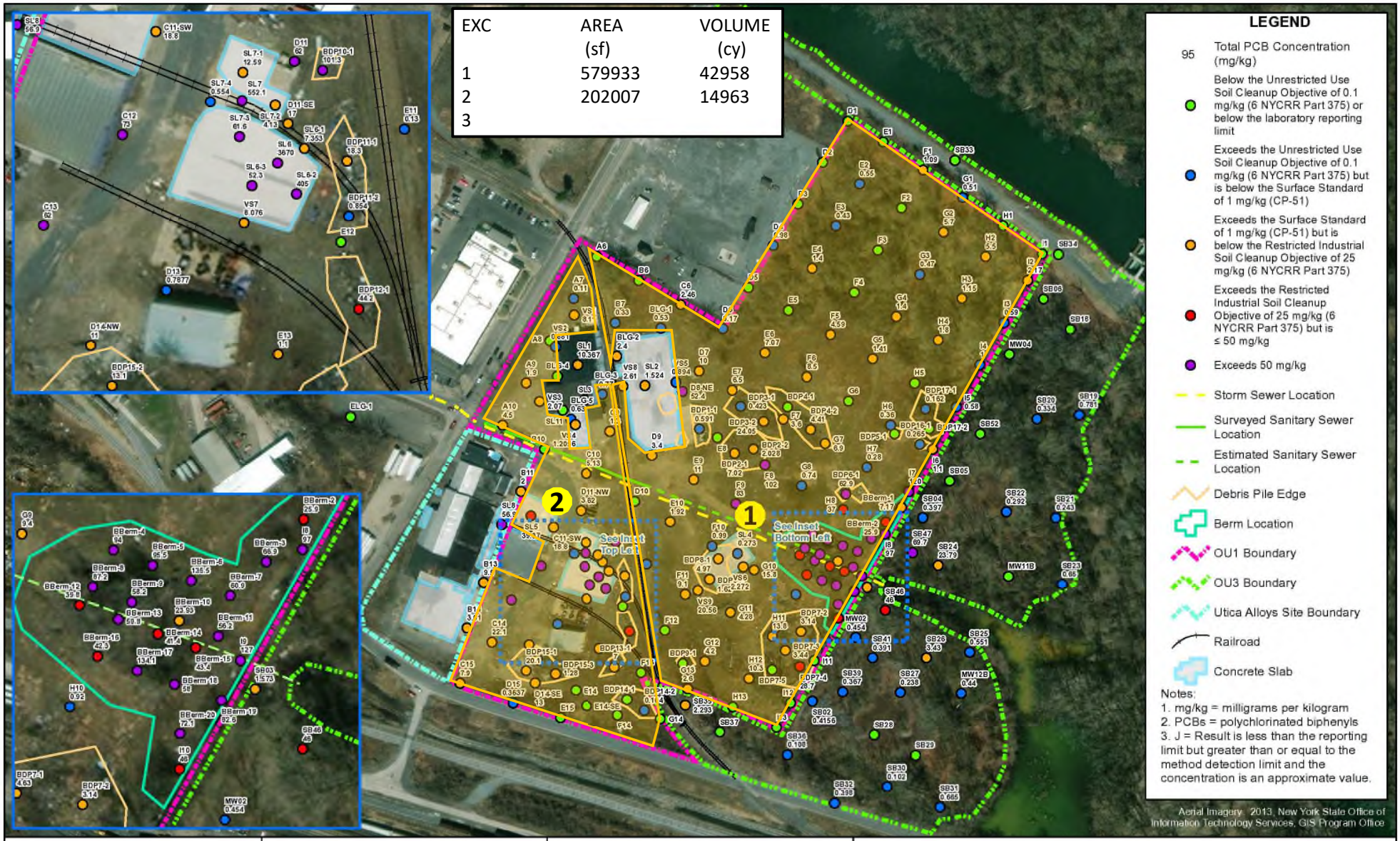
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0 110 220 330 440
Feet

FIGURE 3
Total PCBs in Surface Soil (2”-2’)
Scenario 5: PCBs > 1 ppm

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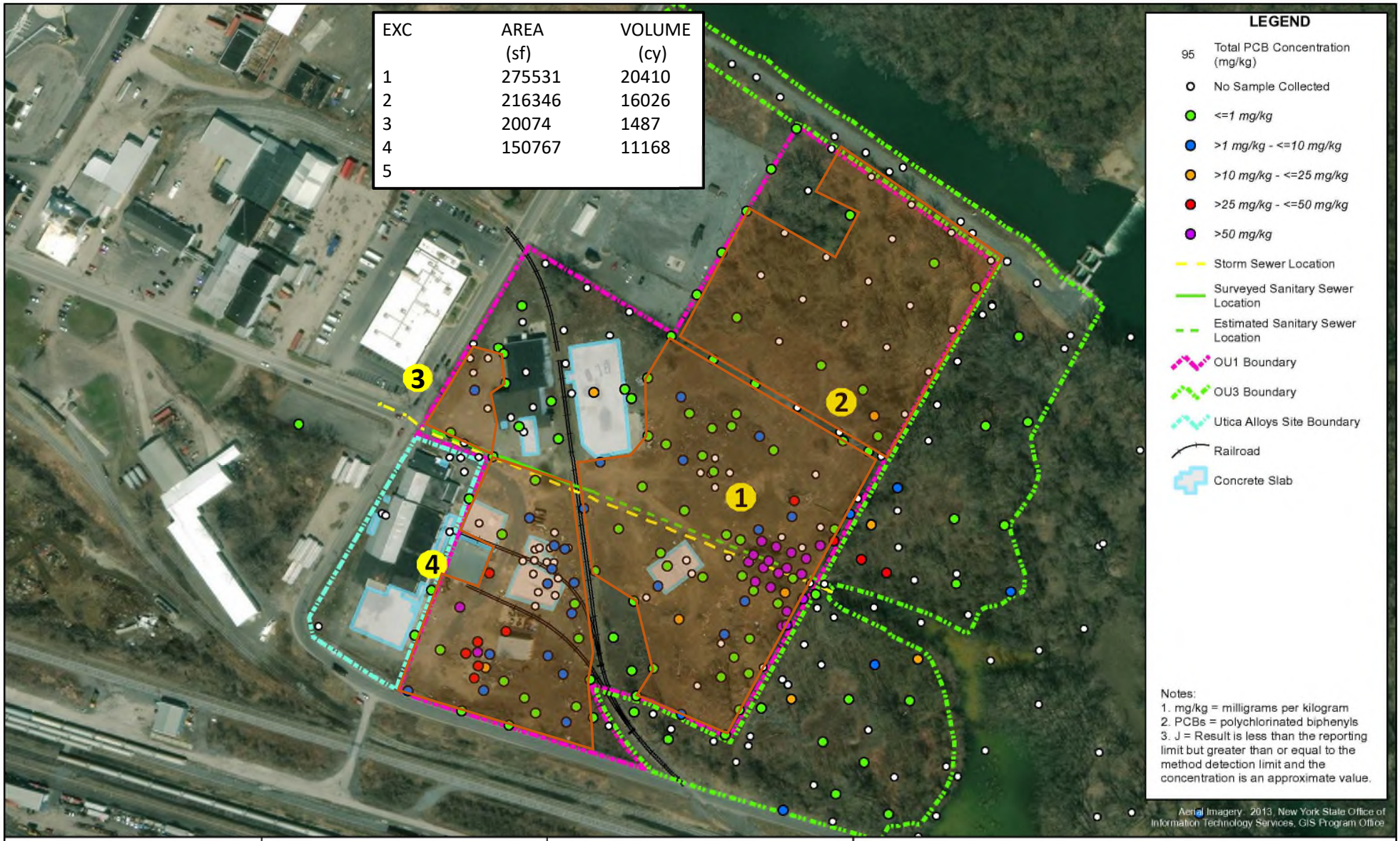
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0 110 220 330 440
Feet

FIGURE 4
Total PCBs in Surface Soil (0-2')
Scenario 5: PCBs > 1 ppm

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FIGURE 6
Total PCBs in Subsurface Soil (2'-4')
Scenario 5: PCBs > 1 ppm

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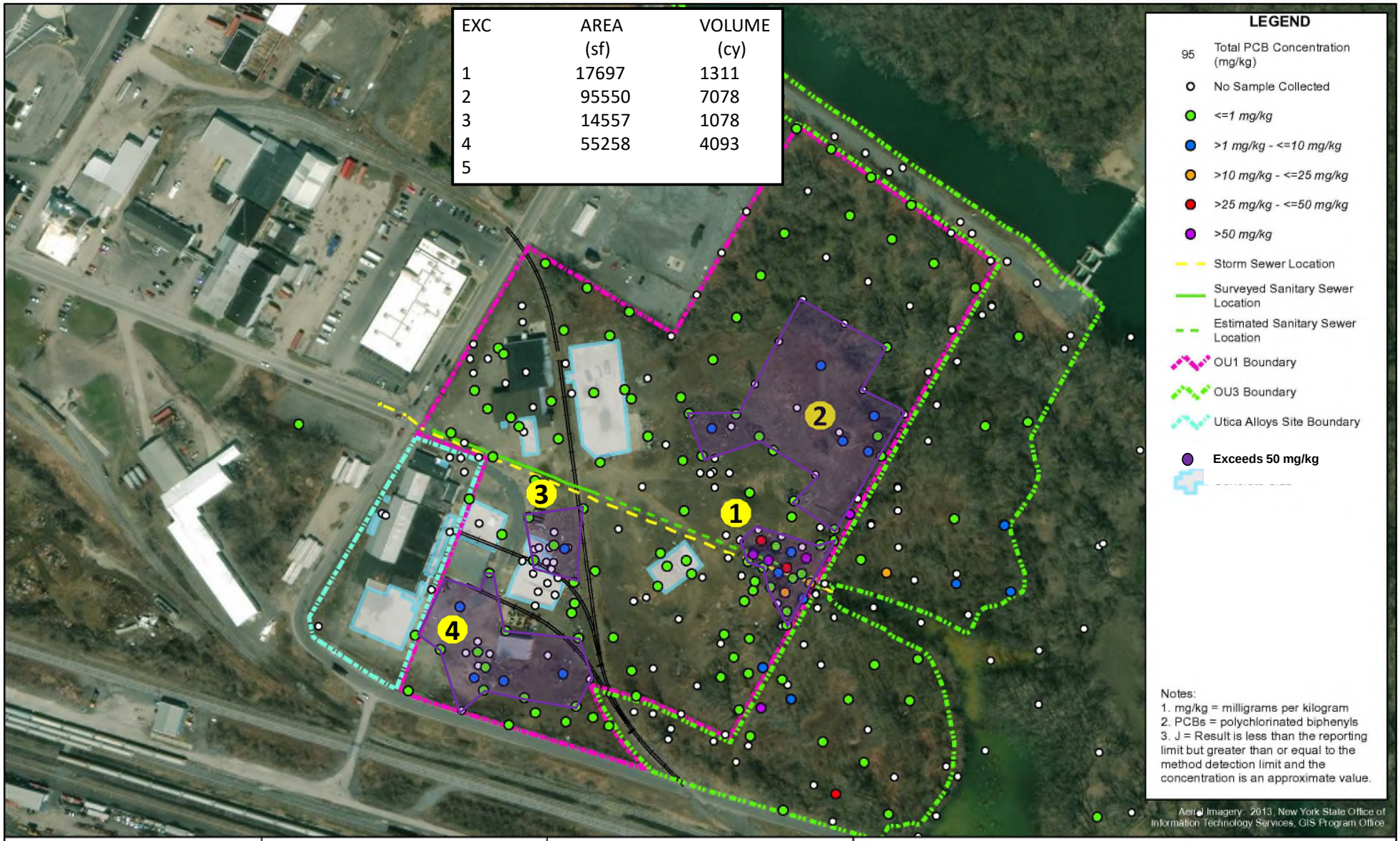
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FIGURE 7
Total PCBs in Subsurface Soil (4'-6')
Scenario 5: PCBs > 1 ppm

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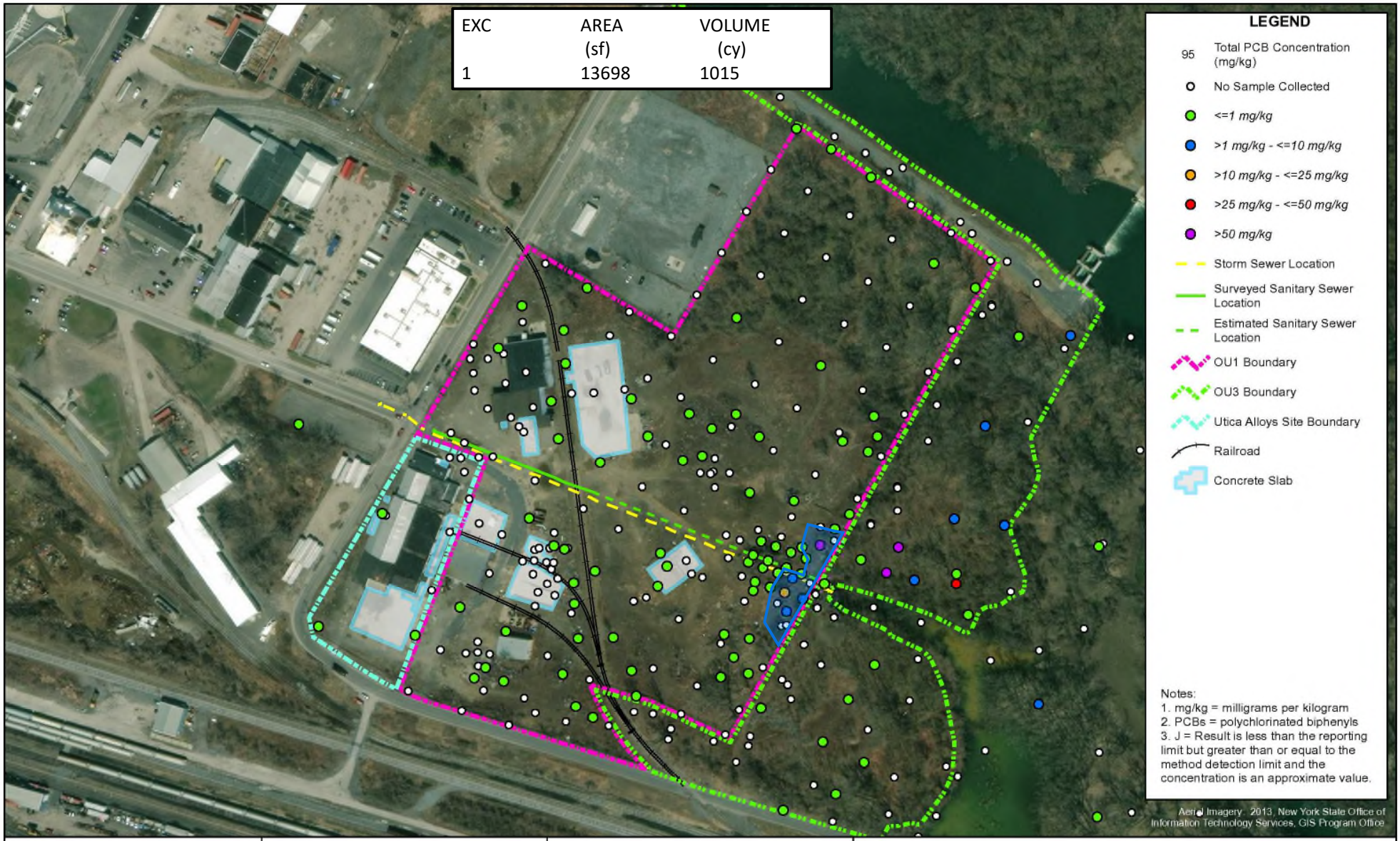
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FIGURE 8
Total PCBs in Subsurface Soil (6'-8')
Scenario 5: PCBs > 1 ppm

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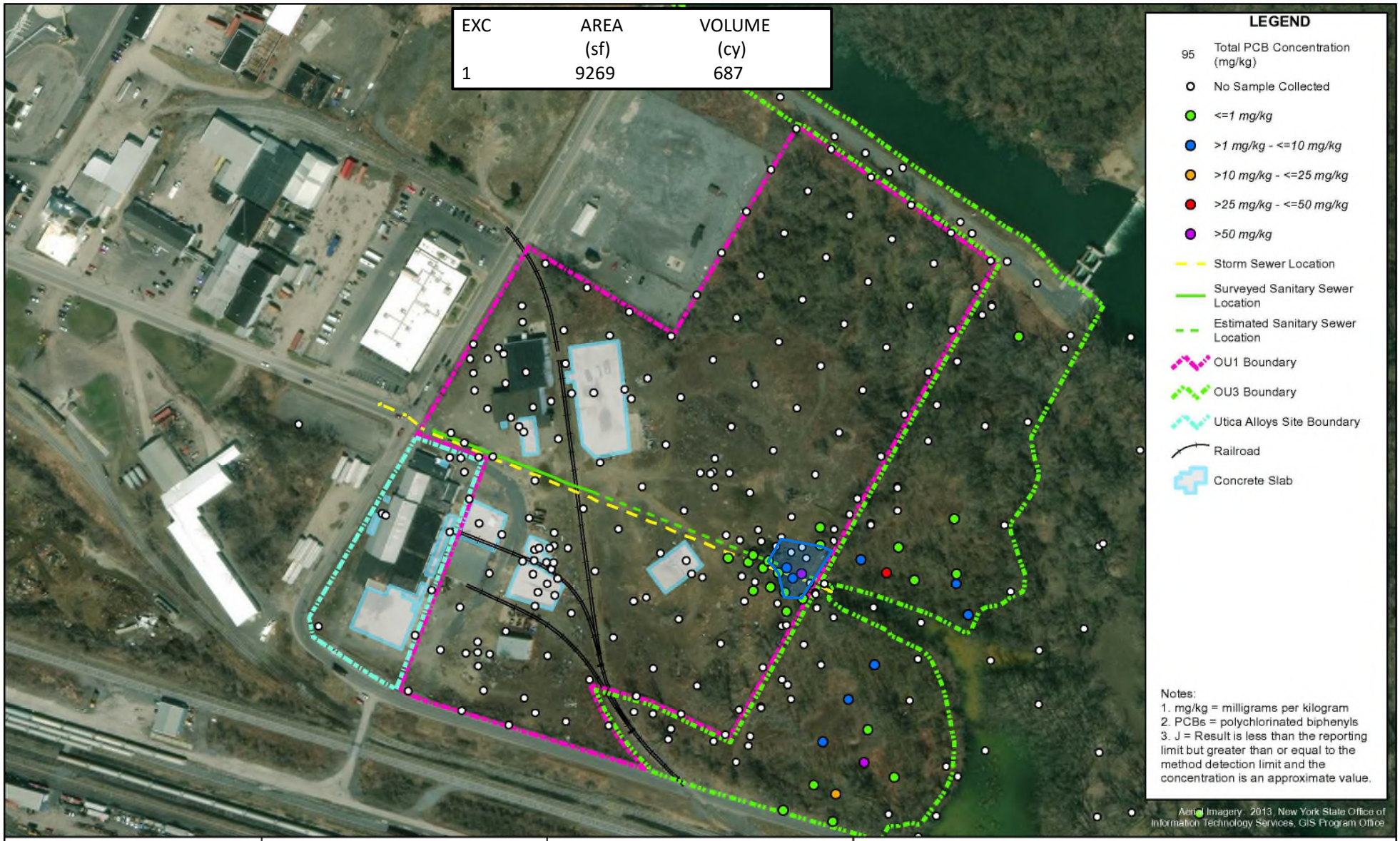
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0 110 220 330 440
Feet

FIGURE 9
Total PCBs in Subsurface Soil (8'-10')
Scenario 5: PCBs > 1 ppm

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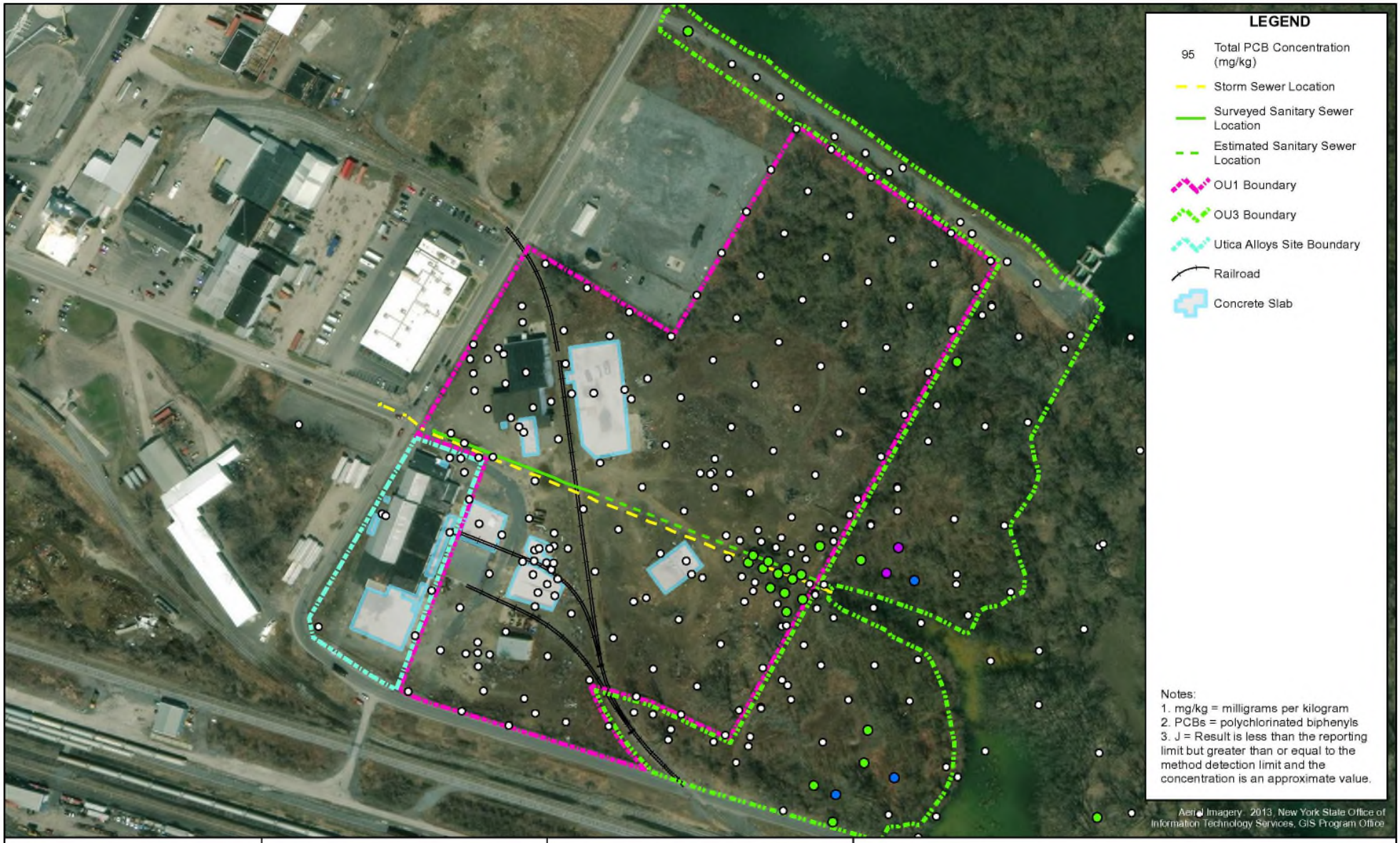
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0 110 220 330 440
Feet

FIGURE 10
Total PCBs in Subsurface Soil (10'-12')
Scenario 5: PCBs > 1 ppm

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N

0 110 220 330 440
Feet

FIGURE 11
Total PCBs in Subsurface Soil (12'-14')
Scenario 5: PCBs > 1 ppm

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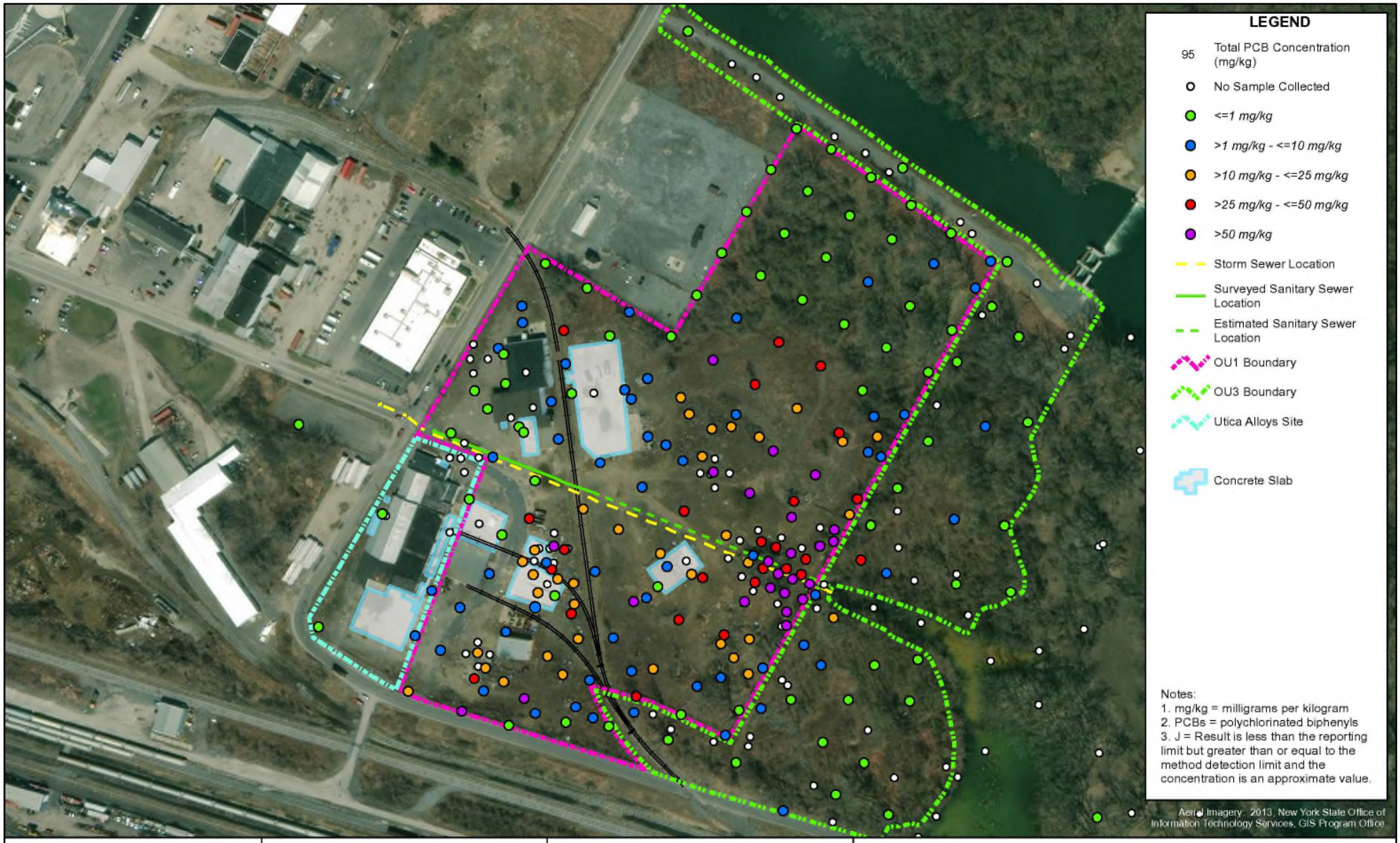
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Appendix H RA-6 Figures

Remedial Alternative RA-6

- Remedy
  - Removal and off-site disposal of all soils with PCBs >0.1 ppm (227,500 CY)
  - Excavated areas backfilled with clean fill material to existing land surface
- Cost = $52.2 MM

- Meets all future uses
- No deed restrictions required



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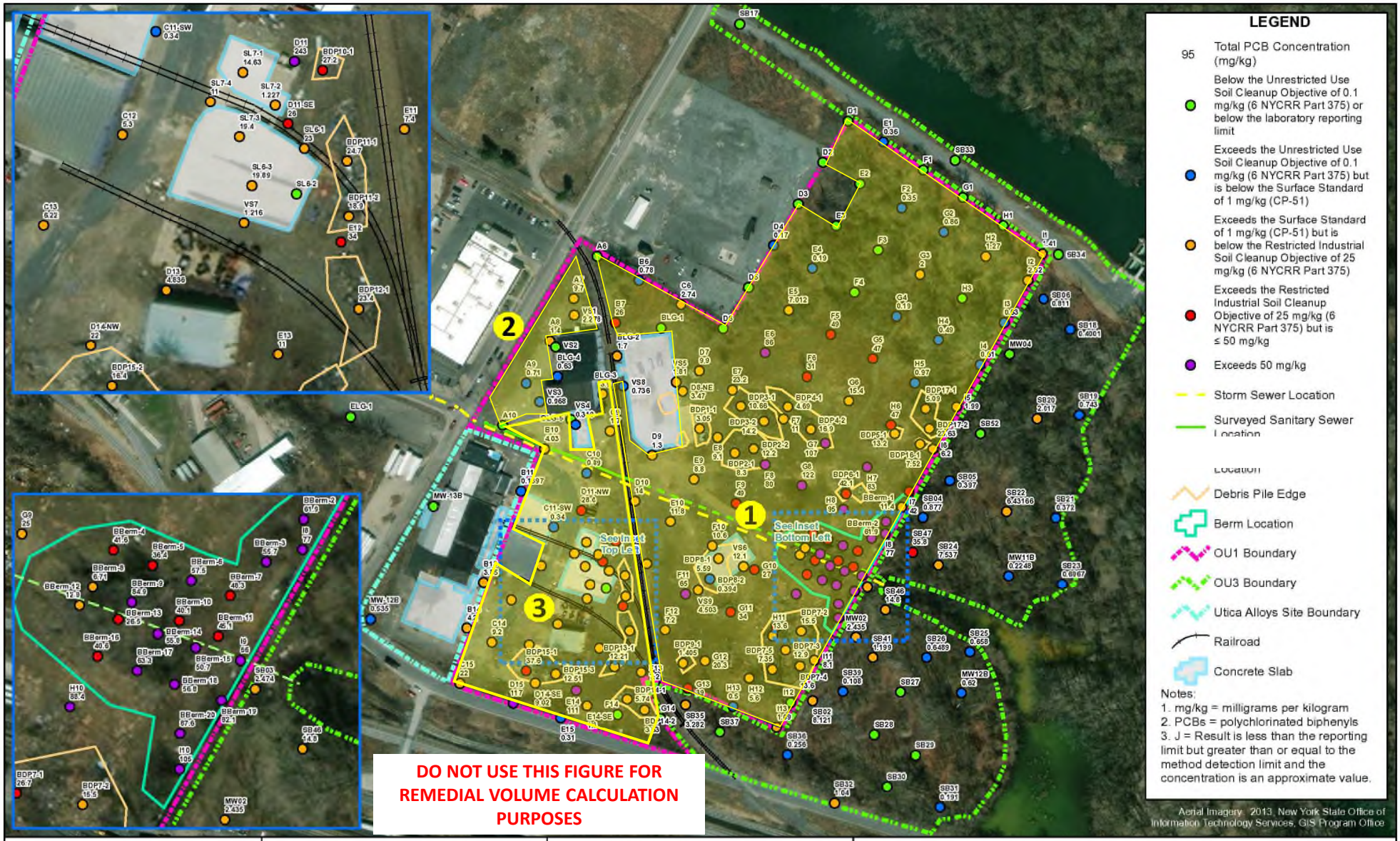
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Feet

FIGURE 1
PCBs Soil Remediation Footprint (0-12')
Scenario 6: PCBs > 0.1 ppm

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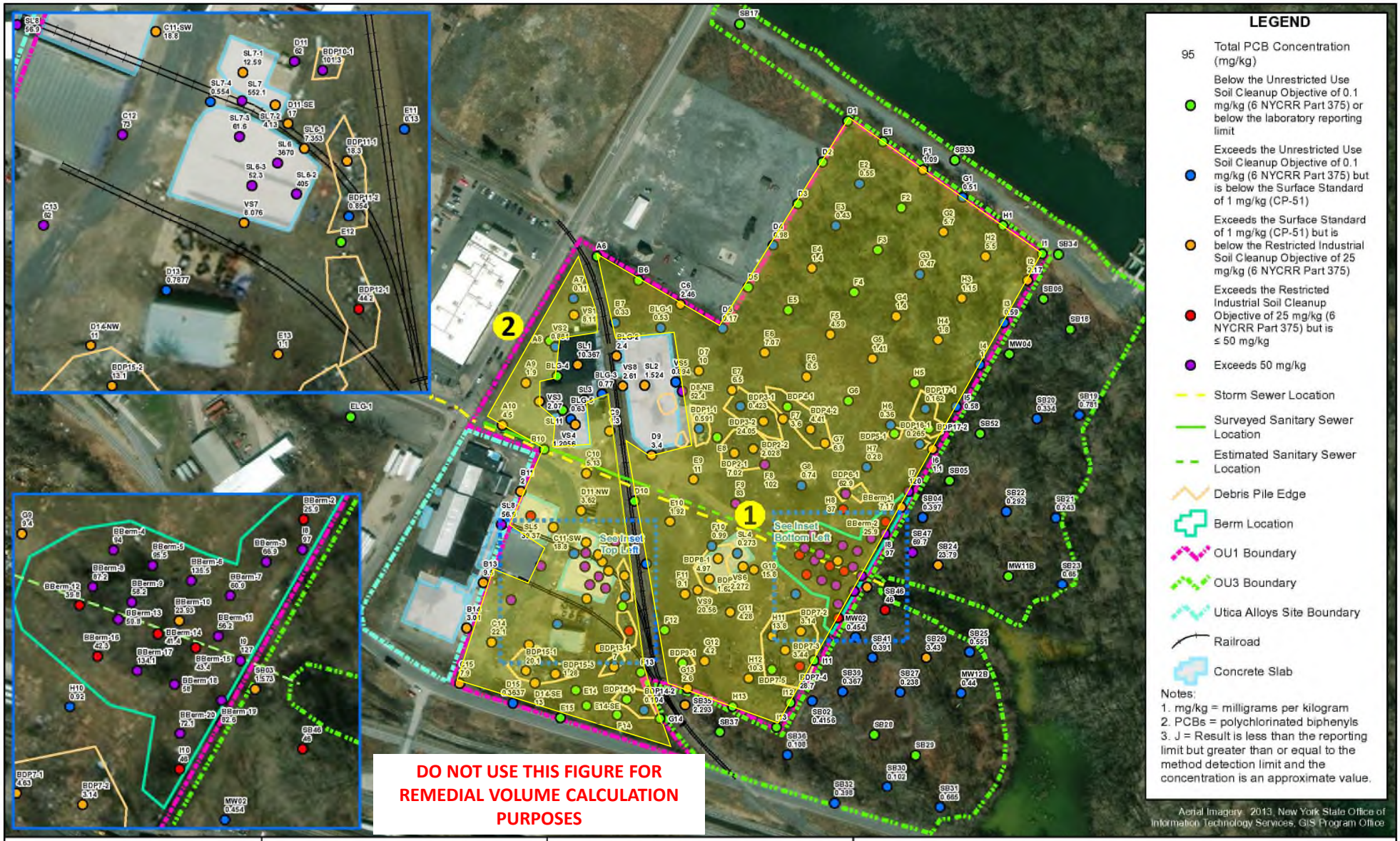
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0 110 220 330 440
Feet

FIGURE 2
Total PCBs in Surface Soil (0-2")
Scenario 6: PCBs > 0.1 ppm

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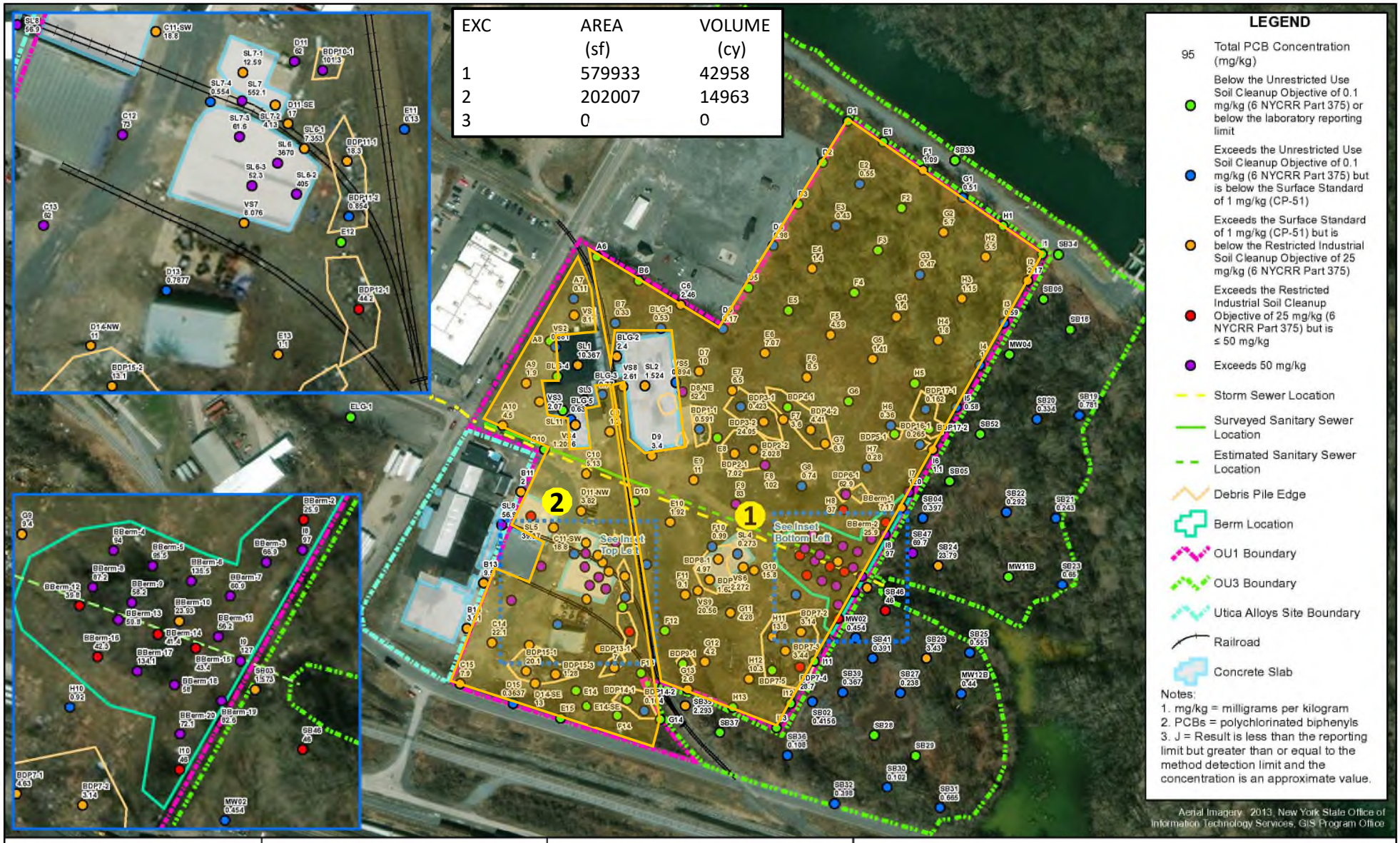
N

0 110 220 330 440
Feet

FIGURE 3
Total PCBs in Surface Soil (2”-2’)
Scenario 6: PCBs > 0.1 ppm

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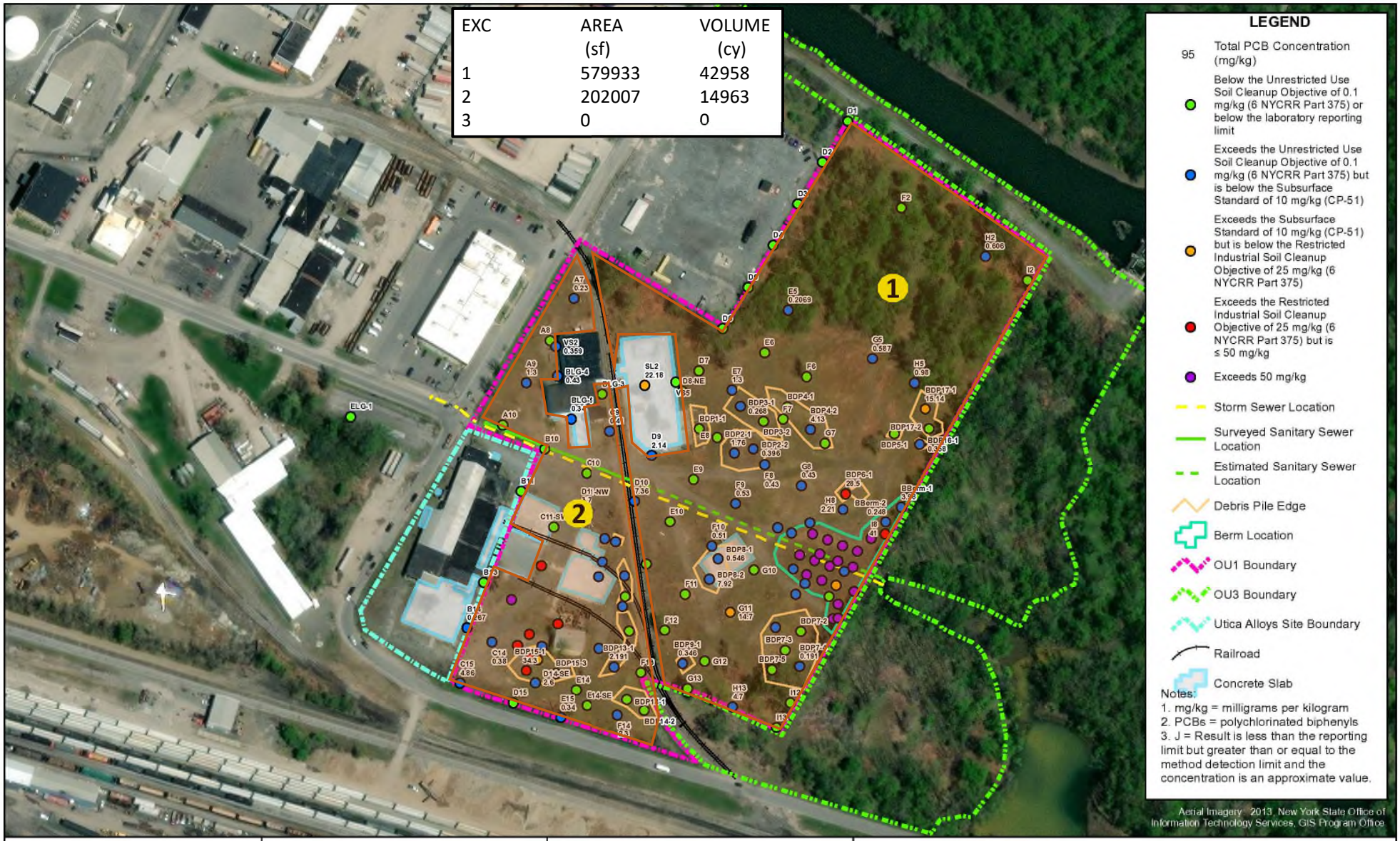
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Feet

FIGURE 4
Total PCBs in Surface Soil (0-2')
Scenario 6: PCBs > 0.1 ppm

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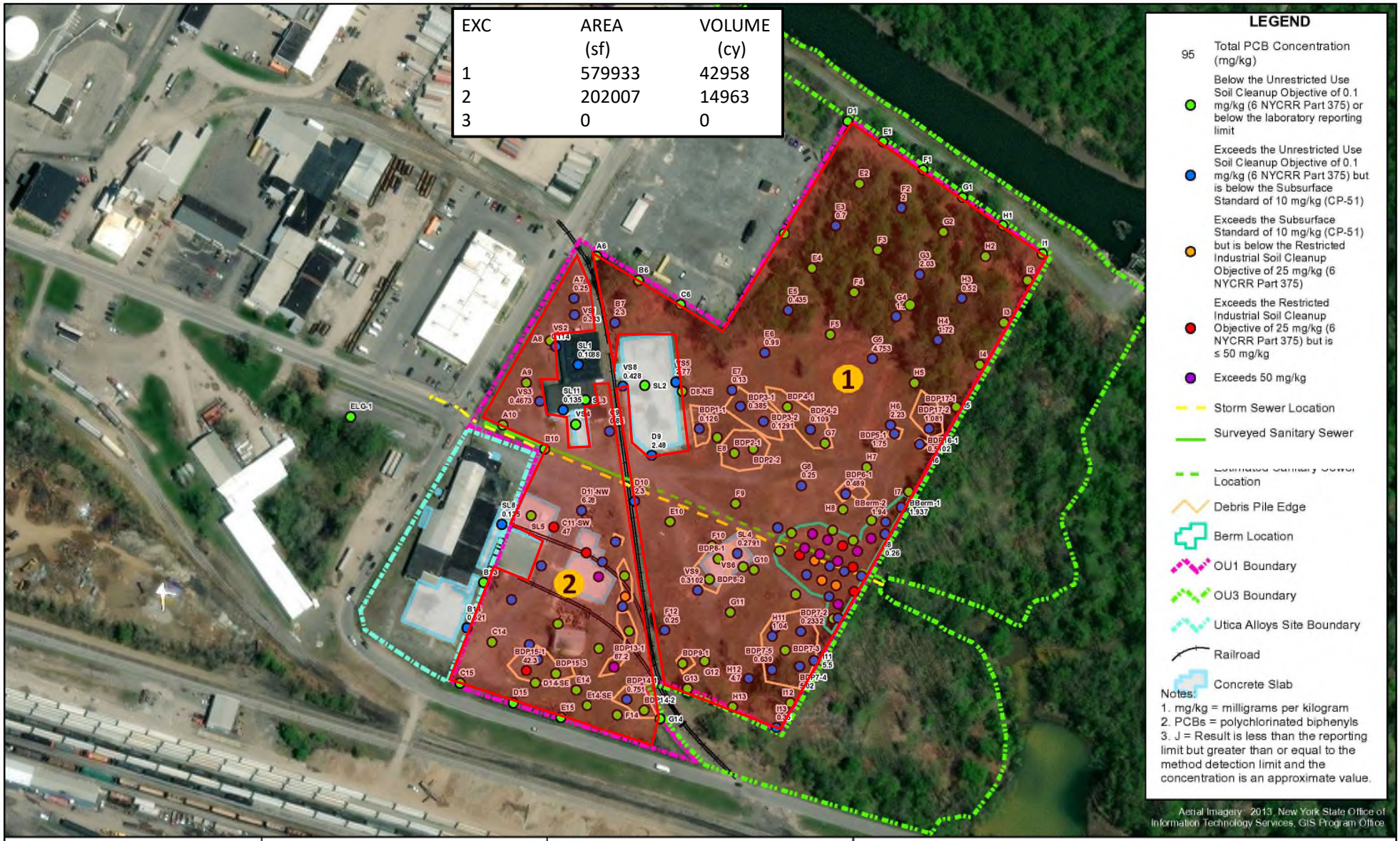
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FIGURE 6
Total PCBs in Subsurface Soil (2'-4')
Scenario 6: PCBs > 0.1 ppm

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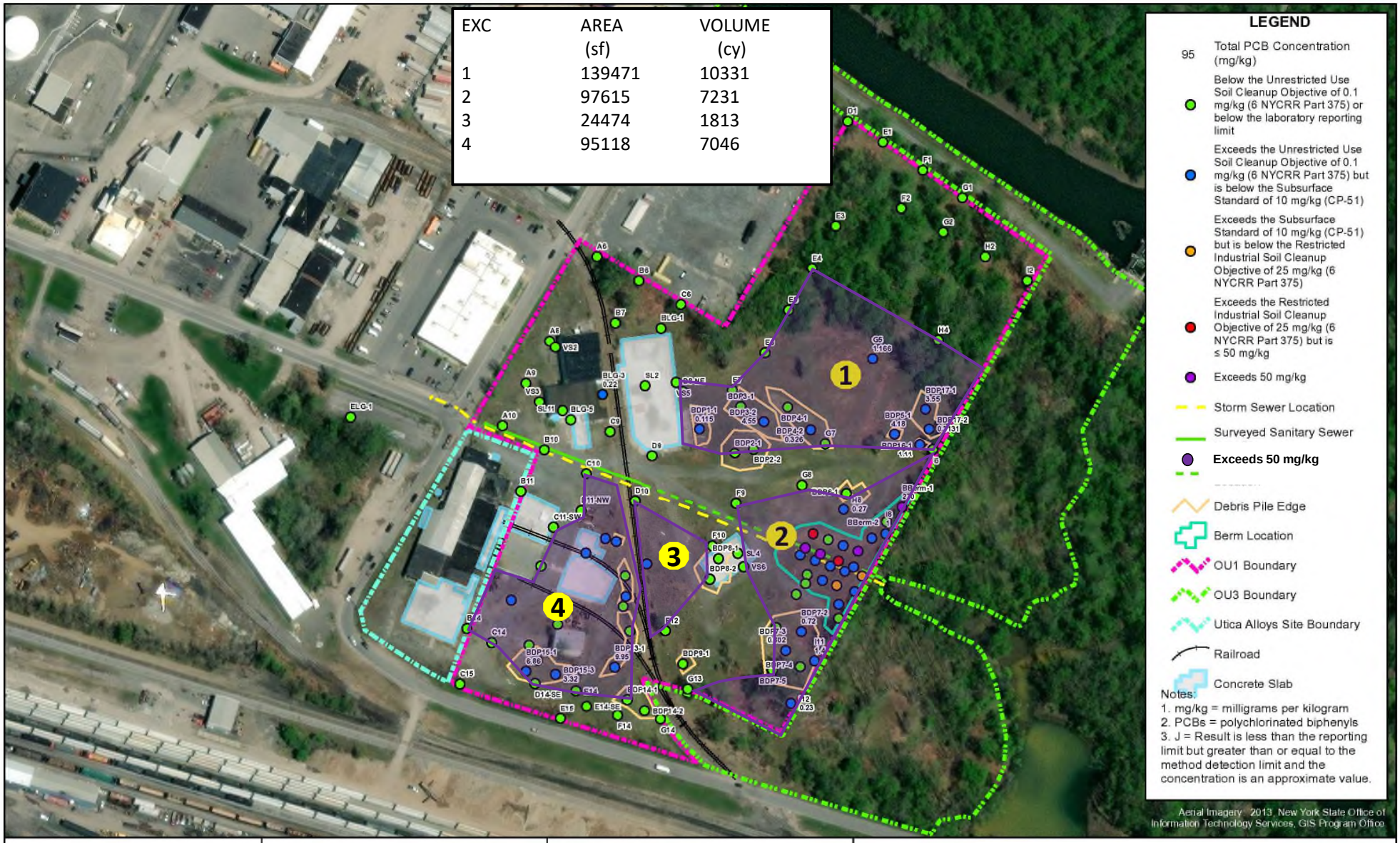
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FIGURE 7
Total PCBs in Subsurface Soil (4'-6')
Scenario 6: PCBs > 0.1 ppm

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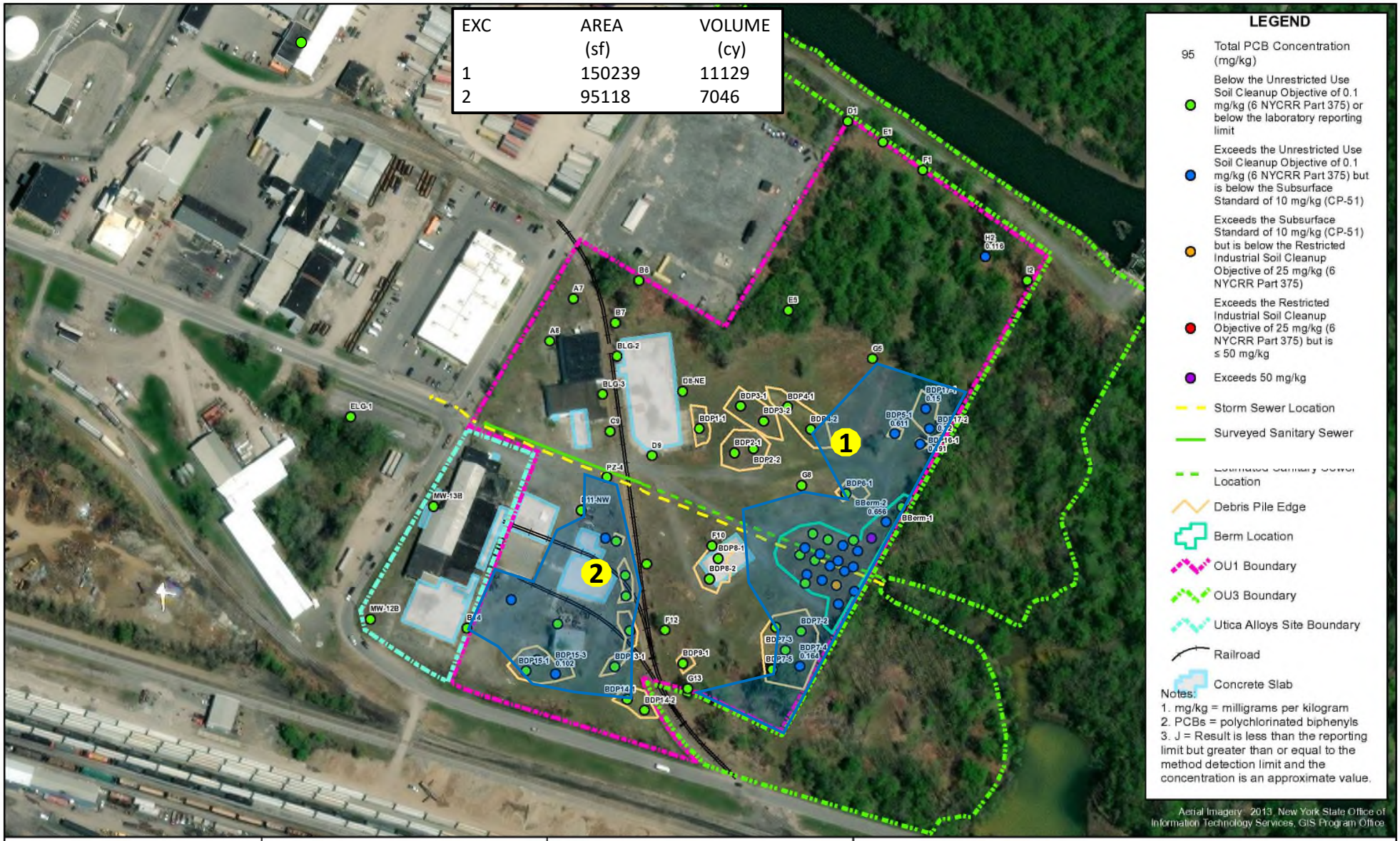
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FIGURE 8
Total PCBs in Subsurface Soil (6'-8')
Scenario 6: PCBs > 0.1 ppm

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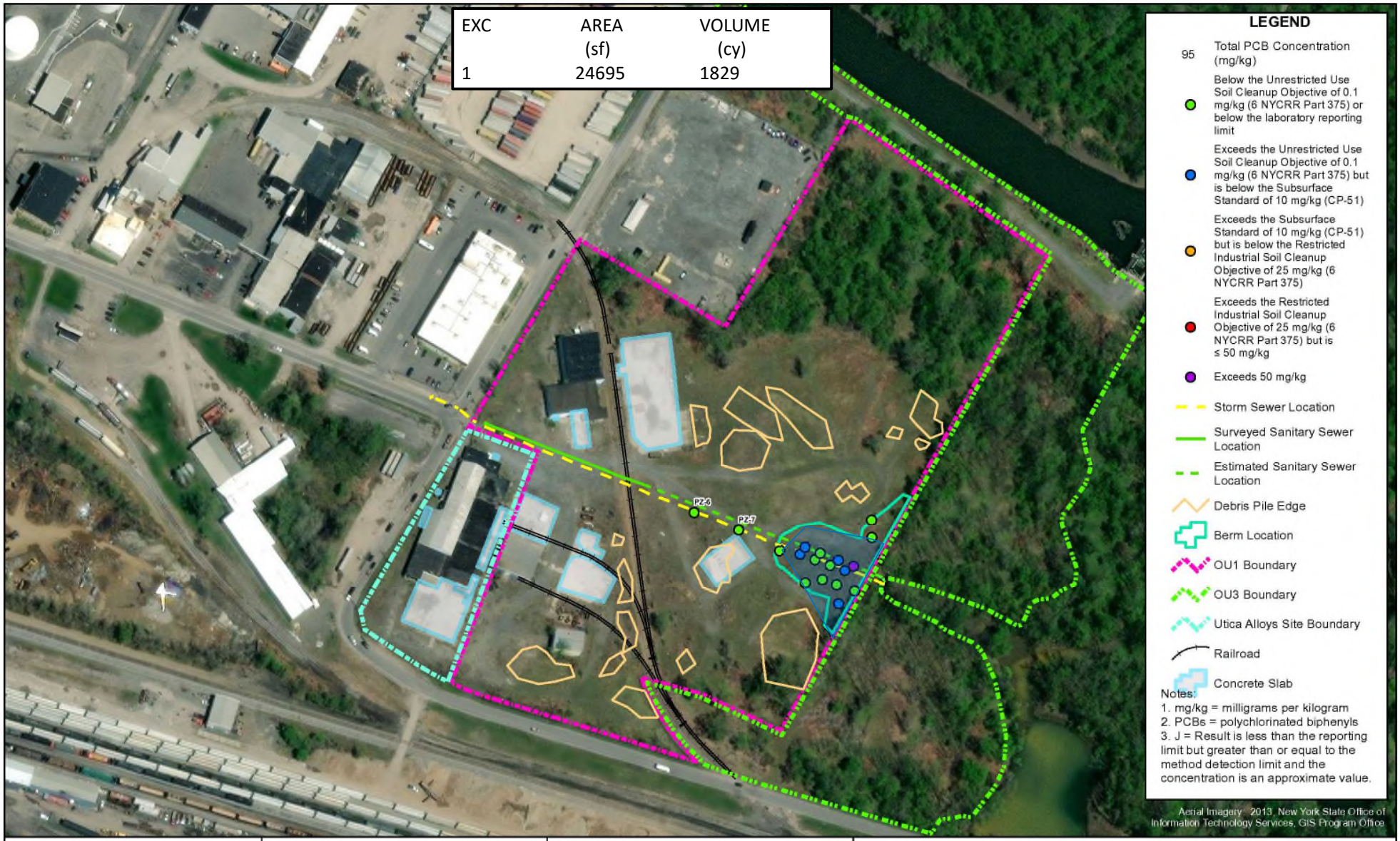
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FIGURE 9
Total PCBs in Subsurface Soil (8'-10')
Scenario 6: PCBs > 0.1 ppm

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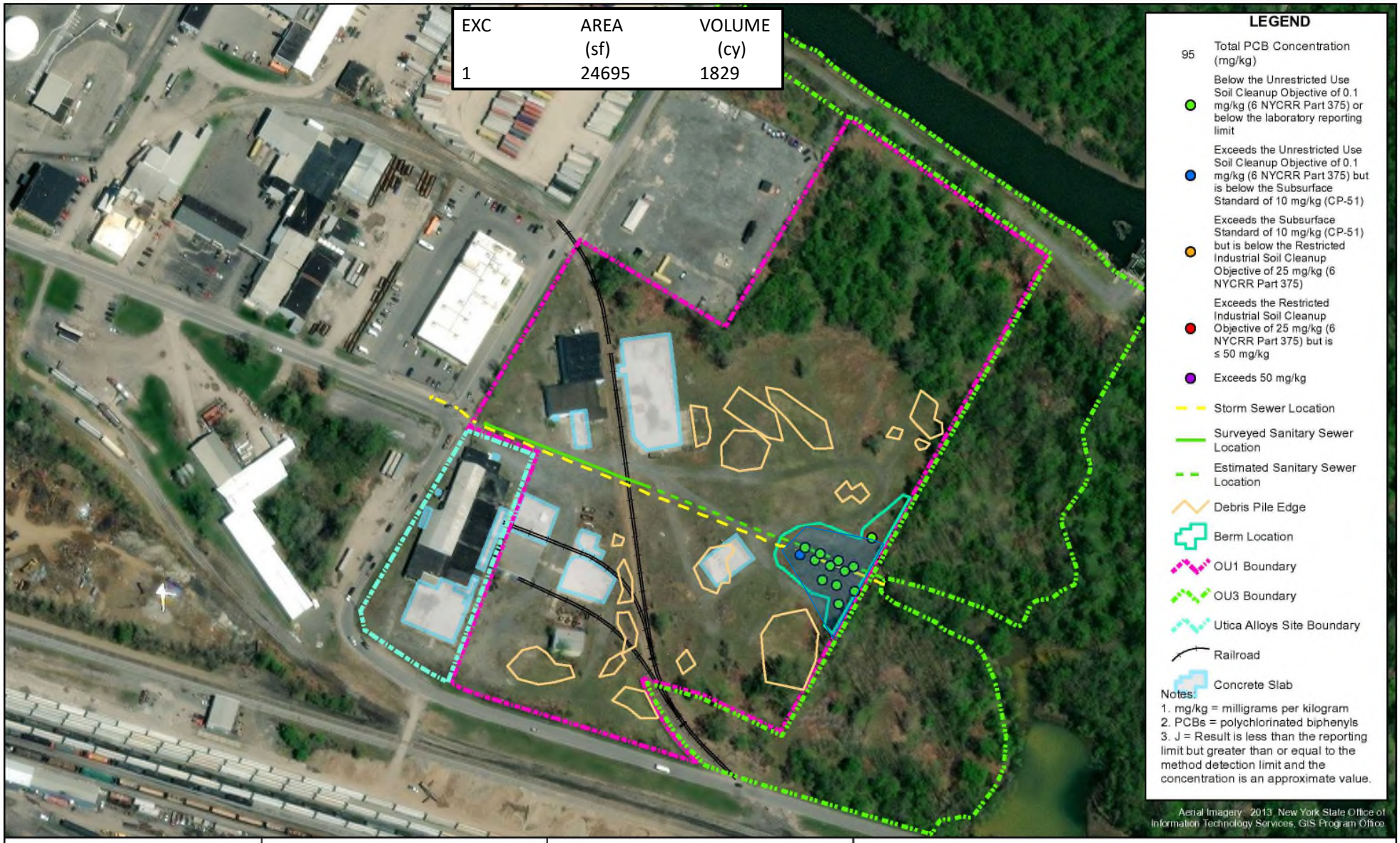
EHS Support

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FIGURE 10
Total PCBs in Subsurface Soil (10'-12')
Scenario 6: PCBs > 0.1 ppm

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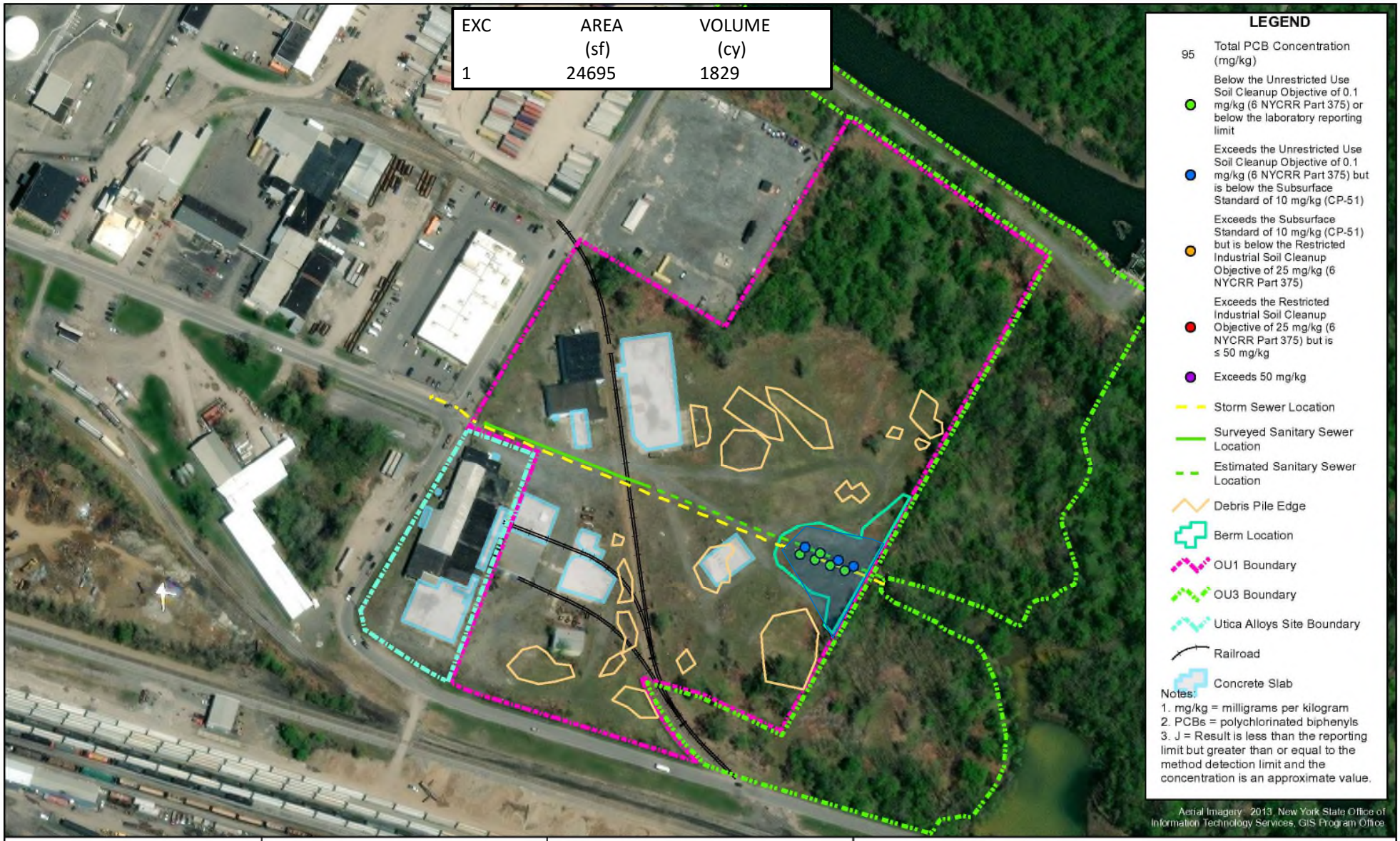
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FIGURE 11
Total PCBs in Subsurface Soil (12'-14')
Scenario 6: PCBs > 0.1 ppm

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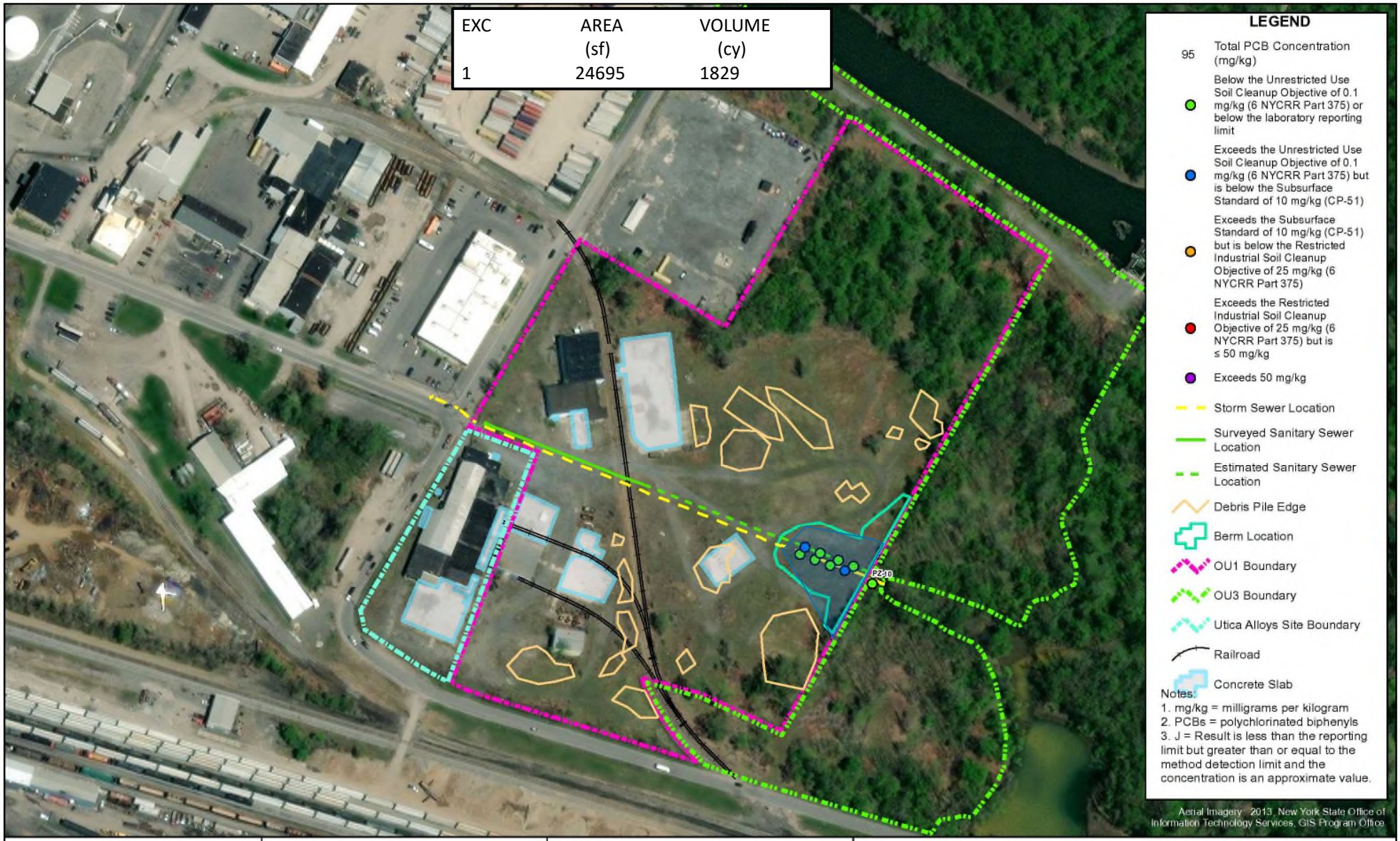
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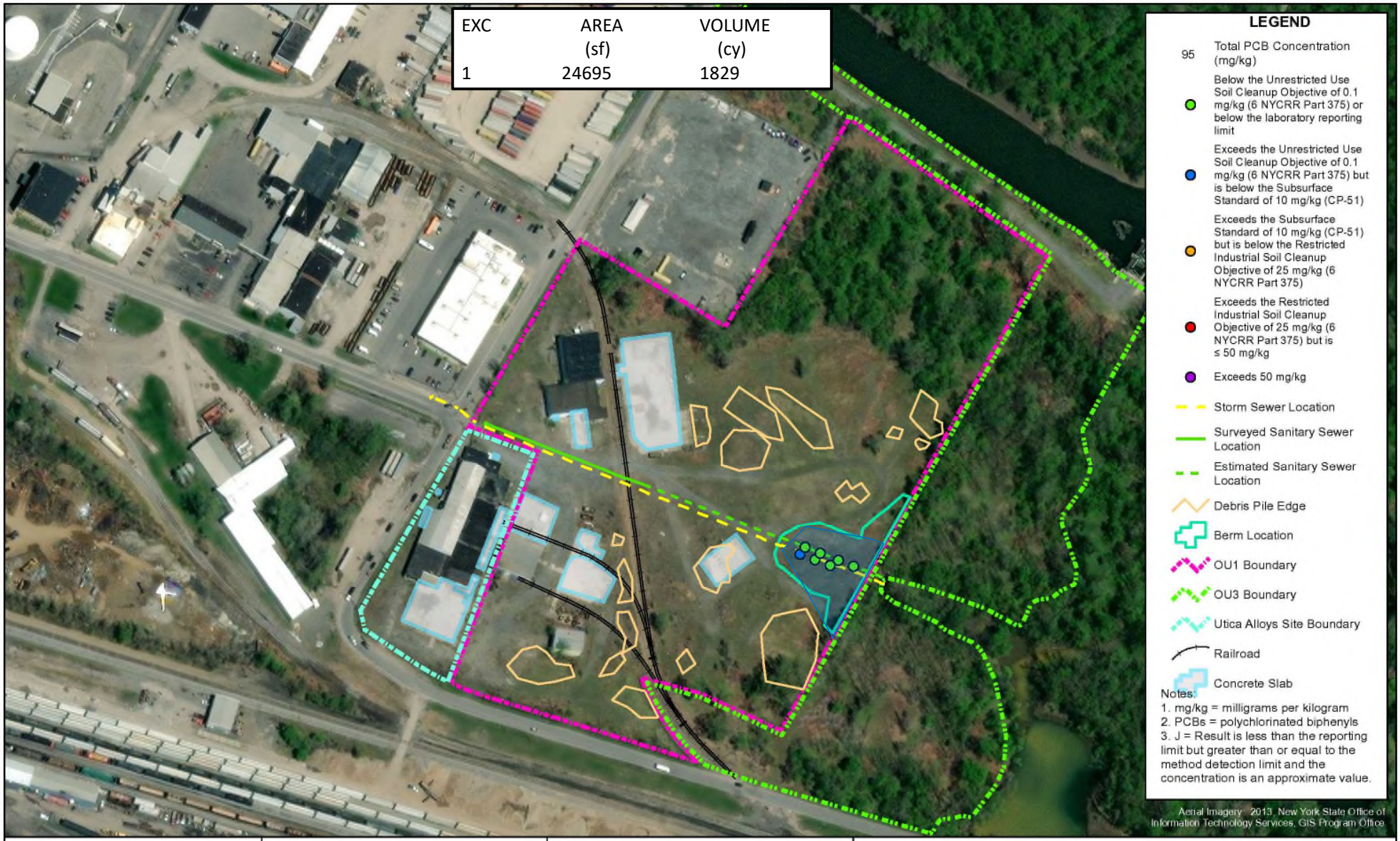
UNIVERSAL WASTE
UTICA, NEW YORK

FIGURE 12
Total PCBs in Subsurface Soil (14'-16')
Scenario 6: PCBs > 0.1 ppm

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EXC AREA (sf) VOLUME (cy)
1 24695 1829
LEGEND
95 Total PCB Concentration (mg/kg)
Below the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) or below the laboratory reporting limit
Exceeds the Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg (6 NYCRR Part 375) but is below the Subsurface Standard of 10 mg/kg (CP-51)
Exceeds the Subsurface Standard of 10 mg/kg (CP-51) but is below the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375)
Exceeds the Restricted Industrial Soil Cleanup Objective of 25 mg/kg (6 NYCRR Part 375) but is ≤ 50 mg/kg
Exceeds 50 mg/kg
Storm Sewer Location
Surveyed Sanitary Sewer Location
Estimated Sanitary Sewer Location
Debris Pile Edge
Berm Location
OU1 Boundary
OU3 Boundary
Utica Alloys Site Boundary
Railroad
Concrete Slab
P2-10
Notes:
1. mg/kg = milligrams per kilogram
2. PCBs = polychlorinated biphenyls
3. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
Aerial Imagery: 2013, New York State Office of Information Technology Services, GIS Program Office
EHS Support
UNIVERSAL WASTE
UTICA, NEW YORK
N
0 110 220 330 440
Feet
FIGURE 13
Total PCBs in Subsurface Soil (16'-18')
Scenario 6: PCBs > 0.1 ppm
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FIGURE 14
Total PCBs in Subsurface Soil (18'-20')
Scenario : PCBs > 0.1 ppm

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Appendix I Engineering Cost Estimates

Planning Level Engineering Estimate for RA-2
Removal of PCBs > 50 mg/kg (New York Hazardous Waste Limit)
Universal Waste
Utica, NY

	Description		Unit	Estimated Quantity	Unit Cost ($)	Total Cost
In-situ Soil Excavation						
1	Planning	a/	ls	1	$15,000	$15,000
2	Mobilization and Setup	a/	ls	1	$35,000	$35,000
3	Perimeter Air Monitoring, PID, Hand Held Dust Trak Monitor	b/c/	day	46	$600	$27,349
4	Excavation Boundary Survey	d/	ls	1	$15,000	$15,000
5	Construct Haul Roads	a/	ls	1	$25,000	$25,000
6	Excavation and Loading	a/e/	cy	27,349	$17	$464,928
7	Geotextile	a/f/	sf	781,940	$0.099	$77,412
8	Backfill (incl. Spread, Grading, and Compaction)	a/g/	cy	32,818	$30	$984,554
9	Soil Cover for Ecological Risk (incl. Spread, Grading, and Compaction)	a/g/	cy	19,349	$30	$580,481
10	TSCA Cap (10" Clay in place)(or 2-ft cover)	a/g/	cy	10,362	$65	$673,550
11	Dust control/suppression (if needed)	h/	ls	1	$5,000	$5,000
12	Hydroseeding	a/f/	sf	0	$0.12	$0
13	Gravel (4 inches in place)	a/f/	cy	8,688	$55	$477,852
14	Dewatering/Onsite Treatment	r/	ls	1	$100,000	$100,000
15	Decon Water/IDW T&D (non-hazardous)	i/	gal	300	$5	$1,500
16	EHS Support Field Oversight	c/j/	day	91	$3,200	$289,860
17	Fencing		lf	900	$15	$13,500
18	Demobilization	a/	ls	1	$15,000	$15,000
	Subtotal Excavation Activities					**$3,800,986**
19	Waste Characterization (pursuant to disposal facility requirements)	k/l/	ea	72	$725	$52,277
20	Non-TSCA, non-haz Soil (no debris) T&D (<50 ppm PCBs)	m/n/	ton	0	$96	$0
21	TSCA Soil (no debris) T&D (>50 ppm PCBs)	m/n/	ton	35,553	$215	$7,643,964
22	Electronic Manifesting Charges	n/	ton	1,778	$25	$44,442
	Subtotal Waste Disposal Costs					**$7,740,683**
	TOTAL EXCAVATION AND WASTE DISPOSAL COSTS					**$11,541,669**
Construction Services						
1	Engineering (20% of excavation costs)	o/	ls			$760,197
2	Construction Mgt/Admin (5% of subtotal construction costs)	p/	ls			$190,049
3	Contingency (20% of subtotal construction costs)	d/	ls			$760,197
	Total Construction Services Costs					**$1,710,443**
	TOTAL CAPITAL COSTS					**$13,252,112**

Annual Operation & Maintenance						
1	Cover Inspection		ls	0	$5,000	$0
2	Topsoil		cy	0	$21	$0
3	Vegetative Cover		acre	0	$21	$0
	Estimated Annual O&M Cost					**$0**
	Total O&M Cost		years	30	$0	**$13,252,112**

Notes:

RA-2 focuses on the removal and containment of impacted soils to eliminate exposure pathways. Surface and subsurface soils with PCB concentrations greater than 50 mg/kg will be removed and disposed of off-site. A TSCA cap (or 2-ft cover), fencing and signage will be installed where PCB concentrations greater than 25 mg/kg remain. A 2-ft cover will be installed where COCs exceed the Industrial Use SCOs, Protection of GW SCOs, and ESCOs. Impacted slabs will be demolished. LNAPL impacted soils will be removed. Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA approved landfill or incinerator. Remaining removed materials will be disposed of at a Subtitle D landfill. ICs will be part of the final remedy, which include a deed restriction for Industrial Use and a Soil Management Plan (SMP). Fencing and signage will be required. Potential future uses include Low Occupancy Area with industrial activities. A Low Occupancy Area is defined by TSCA as any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection is limited to an average of 6.7 hours per week in a calendar year.

a/ Unit price based on Action Environmental estimate dated 6/20/2018
b/ Based on cost of air monitoring equipment used during Pilot Study and other investigation work at Site; includes cost for 4 perimeter stations, 1
c/ Based on ability to excavate, load, backfill, and compact 300 cy/day (rate verified by Action estimate 1/23/18)
d/ Based on cost for similar effort at Site or other sites
e/ Volume based on insitu soil volumes by concentration range (see Insitu Volumes NEW tab)
f/ Area based on excavation areas by concentration range (see Insitu Volumes NEW tab)
g/ Volume equals excavation volume increased by 20% to account for compaction
h/ Assumes minimal dust suppression will be needed based on past activities at the Site
i/ Based on cost provided by Safety Kleen (see Backup tab)
j/ Breakdown provided on EHS Support Oversight tab
k/ Based on disposal facility sampling requirements (see Debris Pile tab) for volume soil for disposal
l/ Current lab costs from Accutest (see Backup tab)
m/ tonnage based on insitu soil volumes by concentration range muliplied by a 1.3 ton:CY conversion factor (tonnage factor from IRM)
n/ Based on Heritage quote dated February 16, 2023
o/ Include development of design drawings and work plan preparation
p/ Includes RFP preparation, bid evaluation, contractor selection, contracting, and admin oversight
q/
r/ Assumes dewatering will be necessary for significant excavations below 6 ft bgs. Onsite treatment will be required due to CVOCs in site GW
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Planning Level Engineering Estimate RA-3
Removal of PCBs in Soil > 25 mg/kg (Industrial Use SCO)
Universal Waste
Utica, NY

	Description		Unit	Estimated Quantity	Unit Cost ($)	Total Cost
In-situ Soil Excavation						
1	Planning	a/	ls	1	$15,000	$15,000
2	Mobilization and Setup	a/	ls	1	$35,000	$35,000
3	Perimeter Air Monitoring, PID, Hand Held Dust Trak Monitor	b/c/	day	58	$600	$34,710
4	Excavation Boundary Survey	d/	ls	1	$15,000	$15,000
5	Construct Haul Roads	a/	ls	1	$25,000	$25,000
6	Excavation and Loading	a/e/	cy	34,710	$17	$590,077
7	Geotextile	a/f/	sf	328,661	$0.099	$32,537
8	Backfill (incl. Spread, Grading, and Compaction)	a/g/	cy	41,652	$30	$1,249,574
9	Soil Cover for Ecological Risk (incl. Spread, Grading, and Compaction)	a/g/	cy	29,214	$30	$876,429
10	TSCA Cap (10" Clay in place)(or 2-ft cover)	a/g/	cy	0	$65	$0
11	Dust control/suppression (if needed)	h/	ls	1	$5,000	$5,000
12	Hydroseeding	a/f/	sf	0	$0.12	$0
13	Gravel (4 inches in place)	a/f/	cy	8,688	$55	$477,852
14	Dewatering/Onsite Treatment	r/	ls	1	$100,000	$100,000
15	Decon Water/IDW T&D (non-hazardous)	i/	gal	300	$5	$1,500
16	EHS Support Field Oversight	c/j/	day	103	$3,200	$329,122
17	Fencing		lf	0	$15	$0
18	Demobilization	a/	ls	1	$15,000	$15,000
	Subtotal Excavation Activities					**$3,801,802**
19	Waste Characterization (pursuant to disposal facility requirements)	k/l/	ea	91	$725	$66,154
20	Non-TSCA, non-haz Soil (no debris) T&D (<50 ppm PCBs)	m/n/	ton	9,570	$96	$918,738
21	TSCA Soil (no debris) T&D (>50 ppm PCBs)	m/n/	ton	35,553	$215	$7,643,964
22	Electronic Manifesting Charges	n/	ton	1,778	$25	$44,442
	Subtotal Waste Disposal Costs					**$8,673,298**
	TOTAL EXCAVATION AND WASTE DISPOSAL COSTS					**$12,475,100**
Construction Services						
1	Engineering (200% of excavation costs)	o/	ls			$760,360
2	Construction Mgt/Admin (5% of subtotal construction costs)	p/	ls			$190,090
3	Contingency (20% of subtotal construction costs)	d/	ls			$760,360
	Total Construction Services Costs					**$1,710,811**
	TOTAL CAPITAL COSTS					**$14,185,911**

Annual Operation & Maintenance						
1	Cover Inspection		ls	0	$5,000	$0
2	Topsoil		cy	0	$21	$0
3	Vegetative Cover		acre	0	$21	$0
	Estimated Annual O&M Cost					**$0**
	Total O&M Cost		years	30	$0	**$14,185,911**

Notes:

RA-3 focuses on the removal and containment of impacted soils to eliminate exposure pathways. Surface and subsurface soils with PCB concentrations greater than the Industrial Use SCO of 25 mg/kg will be removed and disposed of off-site. A two-ft cover will be installed where COCs remain at concentrations exceeding their respective Industrial Use SCOs, Protection of Groundwater SCOs, and ESCOs. Impacted slabs will be demolished. LNAPL impacted soils will be removed. Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill. ICs will be part of the final remedy, which include a deed restriction and a Soil Management Plan (SMP). Potential future uses include Low Occupancy Area with industrial activities. A Low Occupancy Area is defined by TSCA as any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection is limited to an average of 6.7 hours per week in a calendar year.

a/ Unit price based on Action Environmental estimate dated 6/20/2018
b/ Based on cost of air monitoring equipment used during Pilot Study and other investigation work at Site; includes cost for 4 perimeter stations, 1
c/ Based on ability to excavate, load, backfill, and compact 300 cy/day (rate verified by Action estimate 1/23/18)
d/ Based on cost for similar effort at Site or other sites
e/ Volume based on insitu soil volumes by concentration range (see Insitu Volumes NEW tab)
f/ Area based on excavation areas by concentration range (see Insitu Volumes NEW tab)
g/ Volume equals excavation volume increased by 20% to account for compaction
h/ Assumes minimal dust suppression will be needed based on past activities at the Site
i/ Based on cost provided by Safety Kleen (see Backup tab)
j/ Breakdown provided on EHS Support Oversight tab
k/ Based on disposal facility sampling requirements (see Debris Pile tab) for volume soil for disposal
l/ Current lab costs from Accutest (see Backup tab)
m/ tonnage based on insitu soil volumes by concentration range muliplied by a 1.3 ton:CY conversion factor (tonnage factor from IRM)
n/ Based on Heritage quote dated February 16, 2023
o/ Include development of design drawings and work plan preparation
p/ Includes RFP preparation, bid evaluation, contractor selection, contracting, and admin oversight
q/
r/ Assumes dewatering will be necessary for significant excavations below 6 ft bgs. Onsite treatment will be required due to CVOCs in site GW
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Planning Level Engineering Estimate for RA-4
Removal of PCBs in Soils > CP-51 Standards
Universal Waste
Utica, NY

	Description		Unit	Estimated Quantity	Unit Cost ($)	Total Cost
In-situ Soil Excavation						
1	Planning	a/	ls	1	$15,000	$15,000
2	Mobilzation and Setup	a/	ls	1	$35,000	$35,000
3	Perimeter Air Monitoring, PID, Hand Held Dust Trak Monitor	b/c/	day	106	$600	$63,678
4	Excavation Boundary Survey	d/	ls	1	$15,000	$15,000
5	Construct Haul Roads	a/	ls	1	$25,000	$25,000
6	Excavation and Loading	a/e/	cy	63,678	$17	$1,082,528
7	Geotextile	a/f/	sf	781,940	$0.099	$77,412
8	Backfill (incl. Spread, Grading, and Compaction)	a/g/	cy	41,661	$30	$1,249,825
9	Soil Cover for Ecological Risk (incl. Spread, Grading, and Compaction)	a/g/	cy	0	$30	$0
10	TSCA Cap (10" Clay in place)(or 2-ft cover)	d/r/	cy	46,775	$65	$3,040,396
11	Dust control/suppression (if needed)	h/	ls	1	$5,000	$5,000
12	Hydroseeding	a/f/	sf	0	$0.12	$0
13	Gravel (4 inches in place)	a/f/	cy	8,688	$55	$477,852
14	Dewatering/Onsite Treatment	r/	ls	1	$100,000	$100,000
15	Decon Water/IDW T&D (non-hazardous)	i/	gal	300	$5	$1,500
16	EHS Support Field Oversight	c/j/	day	151	$3,200	$483,617
17	Fencing		lf	900	$15	$13,500
18	Demobilization	a/	ls	1	$15,000	$15,000
	Subtotal Excavation Activities					**$6,700,308**
19	Waste Characterization (pursuant to disposal facility requirements)	k/l/	ea	167	$725	$120,758
20	Non-TSCA, non-haz Soil (no debris) T&D (<50 ppm PCBs)	m/n/	ton	47,228	$96	$4,533,909
21	TSCA Soil (no debris) T&D (>50 ppm PCBs)	m/n/	ton	35,553	$215	$7,643,964
22	Electronic Manifesting Charges	n/	ton	1,778	$25	$44,442
	Subtotal Waste Disposal Costs					**$12,343,073**
	TOTAL EXCAVATION AND WASTE DISPOSAL COSTS					**$19,043,382**
Construction Services						
1	Engineering (10% of excavation costs)	o/	ls			$670,031
2	Construction Mgt/Admin (5% of subtotal construction costs)	p/	ls			$335,015
3	Contingency (20% of subtotal construction costs)	d/	ls			$1,340,062
	Total Construction Services Costs					**$2,345,108**
	TOTAL CAPITAL COSTS					**$21,388,490**

Annual Operation & Maintenance						
1	Cover Inspection	a/	ls	30	$5,000	$150,000
2	Topsoil	a/z/	cy	0	$21	$0
3	Vegetative Cover	a/z/	acre	0	$21	$0
	Estimated Annual O&M Cost					**$150,000**
	Total O&M Cost		years	30	$150,000	**$21,538,490**

Notes:

RA-4 focuses on the removal and containment of impacted soils to eliminate exposure pathways. Surface soils (0-1 ft bgs) with PCB concentrations greater than 1 mg/kg and subsurface soils (>1 ft bgs) with PCB concentrations greater than 10 mg/kg will be removed and disposed of off-site. A TSCA cap (or 2-ft cover) will be installed where subsurface soils remain with PCBs concentrations greater than >1 mg/kg but less than 10 mg/kg and a 2-ft cover will be installed where COCs remain abover their respective Commercial Use SCOs, Protection of Groundwater SCOs, and ESCOs. Impacted slabs will be demolished. LNAPL impacted soils will be removed. Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill. ICs will be part of the final remedy, which include a deed restriction and a Soil Management Plan (SMP). Potential uses for the Site include High Occupancy Area with commercial and/or industrial activities. A High Occupancy Area has no limitations on hours of occupancy.

a/ Unit price based on Action Environmental estimate dated 1/23/2018
b/ Based on cost of air monitoring equipment used during investigation work at Site (see Backup tab)
c/ Based on ability to excavate, load, backfill, and compact 300 cy/day (rate verified by Action estimate 1/23/18)
d/ Based on cost for similar effort at Site or other sites
e/ Volume based on insitu soil volumes by concentration range (see Insitu Volumes NEW tab)
f/ Area based on excavation areas by concentration range (see Insitu Volumes NEW tab)
g/ Volume equals excavation volume increased by 20% to account for compaction
h/ Assumes minimal dust suppression will be needed based on past activities at the Site
i/ Based on cost provided by Safety Kleen (see Backup tab)
j/ Breakdown provided on EHS Support Oversight tab
k/ Based on disposal facility sampling requirements (see Debris Pile tab) for volume soil for disposal
l/ Current lab costs from Accutest (see Backup tab)
m/ tonnage based on insitu soil volumes by concentration range muliplied by a 1.3 ton:CY conversion factor
n/ Based on Heritage quote dated February 16, 2023
o/ Include development of design drawings and work plan preparation
p/ Includes RFP preparation, bid evaluation, contractor selection, contracting, and admin oversight
r/ Assumes dewatering will be necessary for significant excavations below 6 ft bgs. Onsite treatment will be required due to CVOCs in site GW
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Planning Level Engineering Estimate for RA-5
Removal and PCBs in Soil > 1 mg/kg (Residential/Commercial Use SCO)
Universal Waste
Utica, NY

	Description		Unit	Estimated Quantity	Unit Cost ($)	Total Cost
In-situ Soil Excavation						
1	Planning	a/	ls	1	$15,000	$15,000
2	Mobilization and Setup	a/	ls	1	$35,000	$35,000
3	Perimeter Air Monitoring, PID, Hand Held Dust Trak Monitor	b/c/	day	256	$600	$153,726
4	Excavation Boundary Survey	d/	ls	1	$15,000	$15,000
5	Construct Haul Roads	a/	ls	1	$25,000	$25,000
6	Excavation and Loading	a/e/	cy	153,726	$17	$2,613,343
7	Geotextile	a/f/	sf	781,940	$0.099	$77,412
8	Backfill (incl. Spread, Grading, and Compaction)	a/g/	cy	178,679	$30	$5,360,374
9	Soil Cover for metals (incl. Spread, Grading, and Compaction)	a/g/	cy	0	$30	$0
10	Dust control/suppression (if needed)	h/	ls	1	$5,000	$5,000
11	Hydroseeding	a/f/	sf	0	$0.12	$0
12	Gravel (4 inches in place)	a/f/	cy	8,688	$55	$477,852
13	Dewatering/Onsite Treatment	r/	ls	1	$100,000	$100,000
14	Decon Water/IDW T&D (non-hazardous)	i/	gal	300	$5	$1,500
15	EHS Support Field Oversight	c/j/	day	271	$3,200	$867,872
16	Demobilization	a/	ls	1	$15,000	$15,000
	Subtotal Excavation Activities					**$9,762,080**
17	Waste Characterization (pursuant to disposal facility requirements)	k/l/	ea	401	$725	$290,499
18	Non-TSCA, non-haz Soil (no debris) T&D (<50 ppm PCBs)	m/n/	ton	164,291	$96	$15,771,895
19	TSCA Soil (no debris) T&D (>50 ppm PCBs)	m/n/	ton	35,553	$215	$7,643,964
20	Electronic Manifesting Charges	n/	ton	1,778	$25	$44,442
	Subtotal Waste Disposal Costs					**$23,750,800**
	TOTAL EXCAVATION AND WASTE DISPOSAL COSTS					**$33,512,880**
Construction Services						
1	Engineering (10% of excavation costs)	o/	ls			$976,208
2	Construction Mgt/Admin (5% of subtotal construction costs)	p/	ls			$488,104
3	Contingency (20% of subtotal construction costs)	d/	ls			$1,952,416
	Total Construction Services Costs					**$3,416,728**
	TOTAL CAPITAL COSTS					**$36,929,608**

Annual Operation & Maintenance						
1	Cover Inspection		ls	0	$5,000	$0
2	Topsoil		cy	0	$21	$0
3	Vegetative Cover		acre	0	$21	$0
	Estimated Annual O&M Cost					**$0**
	Total O&M Cost		years	30	$0	**$36,929,608**

Notes:
RA-5 focuses on the removal and containment of impacted soils to eliminate exposure pathways. Surface and subsurface soils with PCB concentrations greater than the Residential and Commercial Use SCO of 1 mg/kg will be removed and disposed of off-site. No additional remediation is required to address metals or ecological risk as a minimum of 2-ft of backfill will cover all areas of OU1. Impacted slabs will be demolished. Metals will be removed to the Unrestricted SCO. LNAPL impacted soils will be removed. Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill. ICs will be part of the final remedy, which include a deed restriction and a Soil Management Plan (SMP). Potential uses for the Site include High Occupancy Area with residential, commercial and/or industrial activities. A High Occupancy Area has no limitations on hours of occupancy.

a/ Unit price based on Action Environmental estimate dated 1/23/2018
b/ Based on cost of air monitoring equipment used during investigation work at Site (see Backup tab)
c/ Based on ability to excavate, load, backfill, and compact 300 cy/day (rate verified by Action estimate 1/23/18)
d/ Based on cost for similar effort at Site or other sites
e/ Volume based on insitu soil volumes by concentration range (see Insitu Volumes NEW tab)
f/ Area based on excavation areas by concentration range (see Insitu Volumes NEW tab)
g/ Volume equals excavation volume increased by 20% to account for compaction
h/ Assumes minimal dust suppression will be needed based on past activities at the Site
i/ Based on cost provided by Safety Kleen (see Backup tab)
j/ Breakdown provided on EHS Support Oversight tab
k/ Based on disposal facility sampling requirements (see Debris Pile tab) for volume soil for disposal
l/ Current lab costs from Accutest (see Backup tab)
m/ tonnage based on insitu soil volumes by concentration range muliplied by a 1.3 ton:CY conversion factor (tonnage factor from IRM)
n/ Based on Heritage quote dated February 16, 2023
o/ Include development of design drawings and work plan preparation
p/ Includes RFP preparation, bid evaluation, contractor selection, contracting, and admin oversight
q/
r/ Assumes dewatering will be necessary for significant excavations below 6 ft bgs. Onsite treatment will be required due to CVOCs in site GW
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Planning Level Engineering Estimate for RA-6
Removal of PCBs in Soil > 0.1 mg/kg (Unrestricted Use SCO)
Universal Waste
Utica, NY

	Description		Unit	Estimated Quantity	Unit Cost ($)	Total Cost
In-situ Soil Excavation						
1	Planning	a/	ls	1	$15,000	$15,000
2	Mobilization and Setup	a/	ls	1	$35,000	$35,000
3	Perimeter Air Monitoring, PID, Hand Held Dust Trak Monitor	b/c/	day	379	$600	$227,506
4	Excavation Boundary Survey	d/	ls	1	$15,000	$15,000
5	Construct Haul Roads	a/	ls	1	$25,000	$25,000
6	Excavation and Loading	a/e/	cy	227,506	$17	$3,867,601
7	Geotextile	a/f/	sf	781,940	$0.099	$77,412
8	Backfill (incl. Spread, Grading, and Compaction)	a/g/	cy	267,215	$30	$8,016,449
9	Soil Cover for metals (incl. Spread, Grading, and Compaction)	a/g/	cy	0	$30	$0
10	Dust control/suppression (if needed)	h/	ls	1	$5,000	$5,000
11	Hydroseeding	a/f/	sf	0	$0.12	$0
12	Gravel (4 inches in place)	a/f/	cy	8,688	$55	$477,852
13	Dewatering/Onsite Treatment	r/	ls	1	$100,000	$100,000
14	Decon Water/IDW T&D (non-hazardous)	i/	gal	300	$5	$1,500
15	EHS Support Field Oversight	c/j/	day	394	$3,200	$1,261,365
16	Demobilization	a/	ls	1	$15,000	$15,000
	Subtotal Excavation Activities					**$14,139,685**
17	Waste Characterization (pursuant to disposal facility requirements)	k/l/	ea	593	$725	$429,574
18	Non-TSCA, non-haz Soil (no debris) T&D (<50 ppm PCBs)	m/n/	ton	260,204	$96	$24,979,621
19	TSCA Soil (no debris) T&D (>50 ppm PCBs)	m/n/	ton	35,553	$215	$7,643,964
20	Electronic Manifesting Charges	n/	ton	1,778	$25	$44,442
	Subtotal Waste Disposal Costs					**$33,097,600**
	TOTAL EXCAVATION AND WASTE DISPOSAL COSTS					**$47,237,285**
Construction Services						
1	Engineering (10% of excavation costs)	o/	ls			$1,413,968
2	Construction Mgt/Admin (5% of subtotal construction costs)	p/	ls			$706,984
3	Contingency (20% of subtotal construction costs)	d/	ls			$2,827,937
	Total Construction Services Costs					**$4,948,890**
	TOTAL CAPITAL COSTS					**$52,186,175**

Annual Operation & Maintenance						
1	Cover Inspection		ls	0	$5,000	$0
2	Topsoil		cy	0	$21	$0
3	Vegetative Cover		acre	0	$21	$0
	Estimated Annual O&M Cost					**$0**
	Total O&M Cost		years	30	$0	**$52,186,175**

Notes:

RA-6 focuses on the removal of impacted surface and subsurface soils with PCB concentrations greater than the Unrestricted Use SCO of 0.1 mg/kg. Impacted slabs will be demolished. No additional remediation is required to address metals or ecological risk. LNAPL impacted soils will be removed. Impacted materials with PCB concentrations greater than 50 mg/kg will be disposed of at a TSCA approved landfill or incinerator. Remaining removed materials will be disposed of at a Title D landfill. No ICs are required for this alternative. Future use of the Site is only restricted by the City of Utica zoning ordinance.

a/ Unit price based on Action Environmental estimate dated 1/23/2018
b/ Based on cost of air monitoring equipment used during investigation work at Site (see Backup tab)
c/ Based on ability to excavate, load, backfill, and compact 300 cy/day (rate verified by Action estimate 1/23/18)
d/ Based on cost for similar effort at Site or other sites
e/ Volume based on insitu soil volumes by concentration range (see Insitu Volumes NEW tab)
f/ Area based on excavation areas by concentration range (see Insitu Volumes NEW tab)
g/ Volume equals excavation volume increased by 20% to account for compaction
h/ Assumes minimal dust suppression will be needed based on past activities at the Site
i/ Based on cost provided by Safety Kleen (see Backup tab)
j/ Breakdown provided on EHS Support Oversight tab
k/ Based on disposal facility sampling requirements (see Debris Pile tab) for volume soil for disposal
l/ Current lab costs from Accutest (see Backup tab)
m/ tonnage based on insitu soil volumes by concentration range muliplied by a 1.3 ton:CY conversion factor (tonnage factor from IRM)
n/ Based on Heritage quote dated February 16, 2023.
o/ Include development of design drawings and work plan preparation
p/ Includes RFP preparation, bid evaluation, contractor selection, contracting, and admin oversight
q/
r/ Assumes dewatering will be necessary for significant excavations below 6 ft bgs. Onsite treatment will be required due to CVOCs in site GW
s/
t/
u/
v/
w/
x/
y/

z/

Appendix J USEPA Spreadsheets for Environmental Footprint Analysis (SEFA)

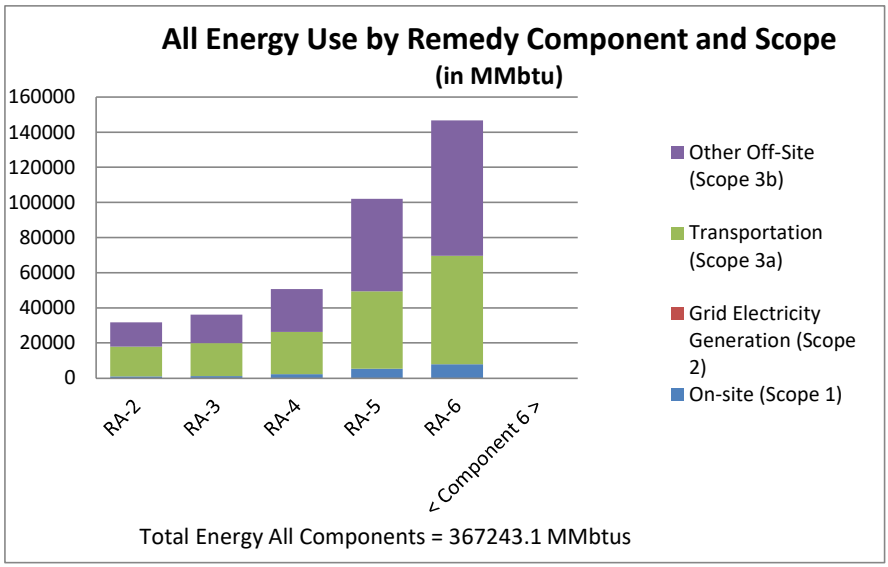
Environmental Footprint Summary

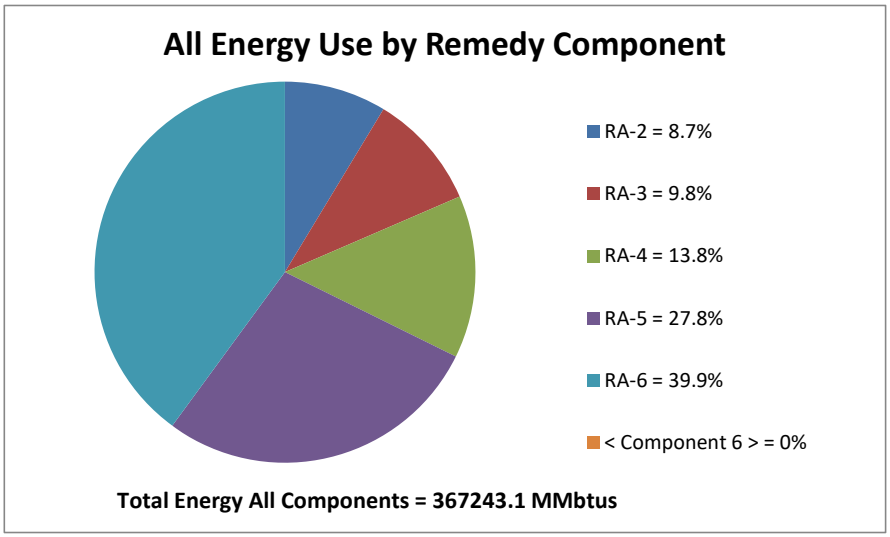
Core Element	Metric		Unit of Measure	Footprint						
				RA-2	RA-3	RA-4	RA-5	RA-6	< Component 6 >	Total
Materials & Waste	M&W-1	Refined materials used on-site	Tons	92,582.1	103,420.2	126,261.2	243,577.1	358,673.9	0.0	924,514.5
	M&W-2	% of refined materials from recycled or reused material	%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%
	M&W-3	Unrefined materials used on-site	Tons	0.000	0.000	0.000	0.000	0.000	0.000	0.0
	M&W-4	% of unrefined materials from recycled or reused material	%							
	M&W-5	On-site hazardous waste disposed of off-site	Tons	35,553.0	35,553.0	35,553.0	35,553.0	35,553.0	0.0	177,765.0
	M&W-6	On-site non-hazardous waste disposed of off-site	Tons	0.0	9,570.0	47,228.0	164,291.0	260,204.0	0.0	481,293.0
	M&W-7	Recycled or reused waste	Tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M&W-8	% of total potential waste recycled or reused	%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%
Water (used on-site)	W-1	Public water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-2	Groundwater use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-3	Surface water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-4	Reclaimed water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-5	Storm water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-6	User-defined water resource #1	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-7	User-defined water resource #2	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-8	Wastewater generated	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Energy	E-1	Total energy used (on-site and off-site)	MMBtu	31,788.5	36,152.2	50,686.3	102,012.1	146,604.1	0.0	367,243.1
	E-2	Energy voluntarily derived from renewable resources								
	E-2A	On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-2B	Voluntary purchase of renewable electricity	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-3	Voluntary purchase of RECs	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-4	On-site grid electricity use	MWh	0.000	0.000	0.000	0.000	0.000	0.000	0.0
Air	A-1	On-site NOx, SOx, and PM emissions	Pounds	745.4	945.6	1,733.9	4,186.6	6,194.1	0.0	13,805.6
	A-2	On-site HAP emissions	Pounds	0.3	0.3	0.6	1.5	2.2	0.0	5.0
	A-3	Total NOx, SOx, and PM emissions	Pounds	54,921.9	64,223.3	97,623.1	208,911.1	303,179.4	0.0	728,858.8
	A-3A	Total NOx emissions	Pounds	30,782.5	34,864.8	48,559.9	96,647.3	138,329.5	0.0	349,184.0
	A-3B	Total SOx emissions	Pounds	7,395.4	8,651.9	12,891.8	27,718.8	40,546.8	0.0	97,204.7
	A-3C	Total PM emissions	Pounds	16,743.9	20,706.7	36,171.3	84,545.0	124,303.1	0.0	282,470.1
	A-4	Total HAP emissions	Pounds	222.4	258.0	387.6	814.7	1,175.3	0.0	2,858.0
	A-5	Total greenhouse gas emissions	Tons CO2e*	2,449.8	2,787.2	3,923.9	7,903.1	11,347.7	0.0	28,411.8
Land & Ecosystems	Qualitative Description									

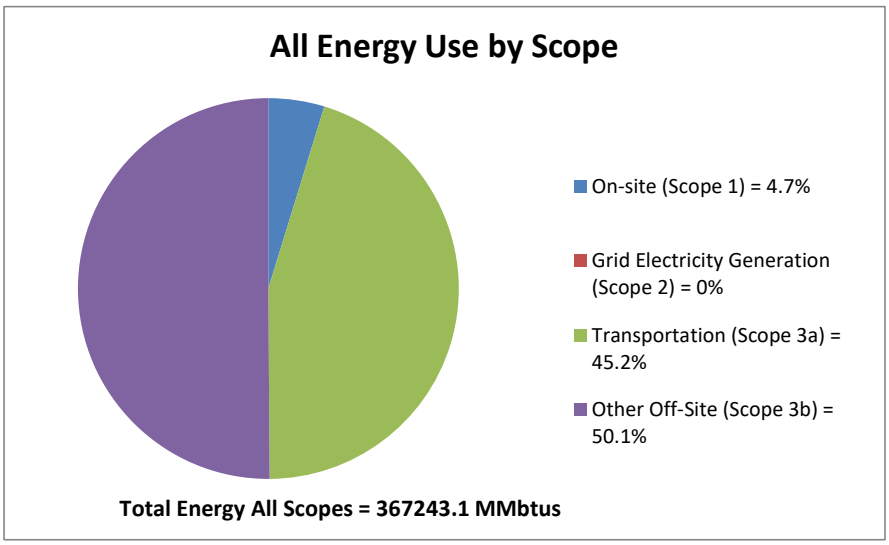
** Total greenhouse gases emissions (in CO2e) include consideration of CO2, CH4, and N2O (Nitrous oxide) emissions.*
"MMBtu" = millions of Btus
"MG" = millions of gallons
"CO2e" = carbon dioxide equivalents of global warming potential
"MWh" = megawatt hours (i.e., thousands of kilowatt-hours or millions of Watt-hours)
"Tons" = short tons (2,000 pounds)

The above metrics are consistent with EPA's Methodology for Understanding and Reducing a Project's Environmental Footprint (EPA 542-R-12-002), February 2012

Notes:


All Energy Use by Remedy Component and Scope
(in MMbtu)
160000
140000
120000
100000
80000
60000
40000
20000
0
RA-2
RA-3
RA-4
RA-5
RA-6
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
Total Energy All Components = 367243.1 MMbtus


All Energy Use by Remedy Component
RA-2 = 8.7%
RA-3 = 9.8%
RA-4 = 13.8%
RA-5 = 27.8%
RA-6 = 39.9%
< Component 6 > = 0%
Total Energy All Components = 367243.1 MMbtus


All Energy Use by Scope
On-site (Scope 1) = 4.7%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 45.2%
Other Off-Site (Scope 3b) = 50.1%
Total Energy All Scopes = 367243.1 MMbtus

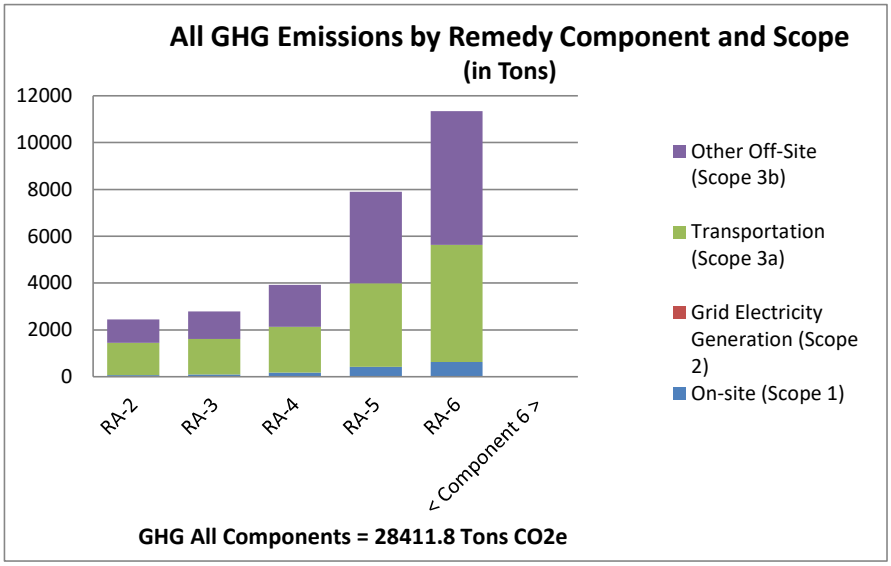
Total Energy
MMbtus

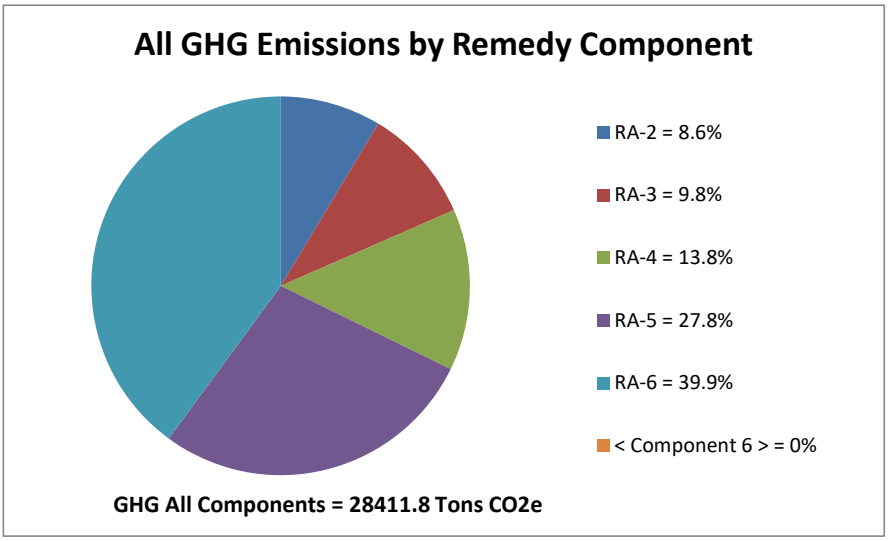
	RA-2	RA-3	RA-4	RA-5	RA-6	< Compon	Total	
On-site (Scope 1)	940.8	1,193.4	2,188.4	5,284.1	7,817.9	0.0	17,424.6	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
nsportation (Scope 3a)	17,024.8	18,745.7	24,154.1	44,130.1	61,815.0	0.0	165,869.6	Trar
ner Off-Site (Scope 3b)	13,822.9	16,213.1	24,343.8	52,597.9	76,971.2	0.0	183,948.9	Oth
Total	31,788.5	36,152.2	50,686.3	102,012.1	146,604.1	0.0	367,243.1	

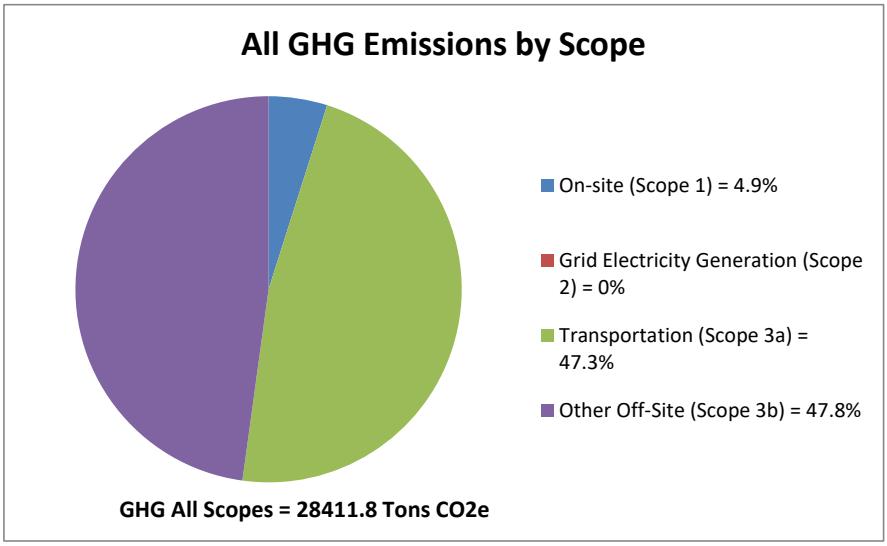
RA-2 = 8.7%
RA-3 = 9.8%
RA-4 = 13.8%
RA-5 = 27.8%
RA-6 = 39.9%
< Component 6 > = 0%

On-site (Scope 1) = 4.7%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 45.2%
Other Off-Site (Scope 3b) = 50.1%

Total Energy All Components = 367243.1 MMbtus
Total Energy All Scopes = 367243.1 MMbtus


All GHG Emissions by Remedy Component and Scope
(in Tons)
12000
10000
8000
6000
4000
2000
0
RA-2
RA-3
RA-4
RA-5
RA-6
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
GHG All Components = 28411.8 Tons CO2e


All GHG Emissions by Remedy Component
RA-2 = 8.6%
RA-3 = 9.8%
RA-4 = 13.8%
RA-5 = 27.8%
RA-6 = 39.9%
< Component 6 > = 0%
GHG All Components = 28411.8 Tons CO2e


All GHG Emissions by Scope
On-site (Scope 1) = 4.9%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 47.3%
Other Off-Site (Scope 3b) = 47.8%
GHG All Scopes = 28411.8 Tons CO2e

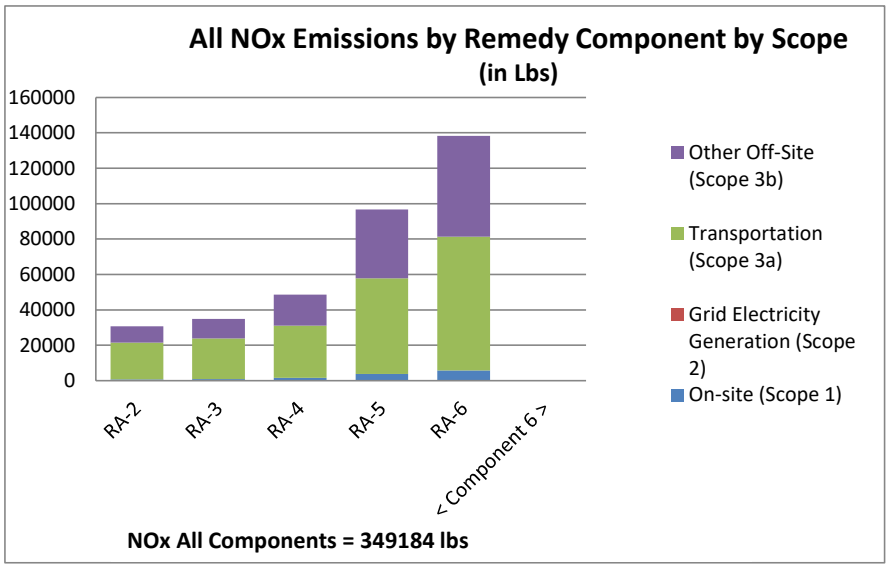
GHG
Tons CO2e

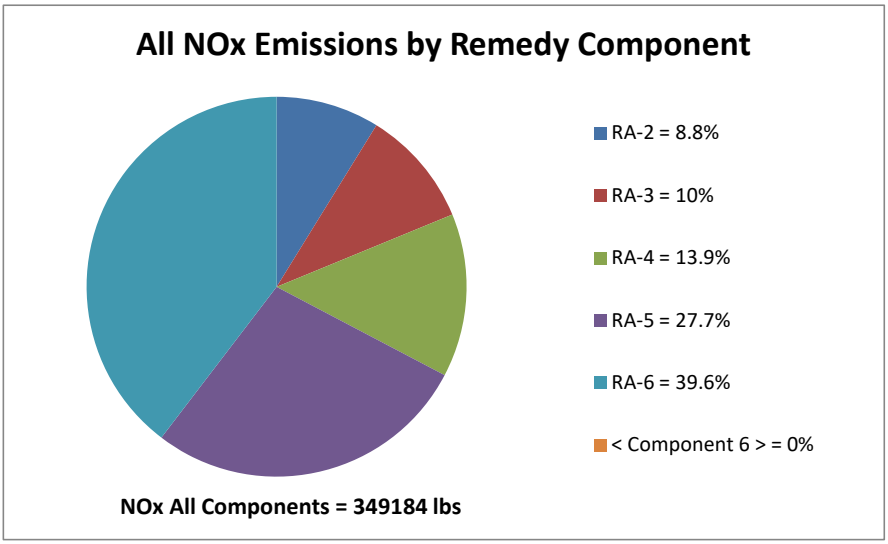
	RA-2	RA-3	RA-4	RA-5	RA-6	< Compone	Total	
On-site (Scope 1)	75.3	95.5	175.1	422.7	625.4	0.0	1,394.0	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
nsportation (Scope 3a)	1,377.9	1,517.2	1,954.9	3,571.7	5,003.0	0.0	13,424.6	Trar
ner Off-Site (Scope 3b)	996.6	1,174.6	1,794.0	3,908.7	5,719.3	0.0	13,593.2	Oth
Total	2,449.8	2,787.2	3,923.9	7,903.1	11,347.7	0.0	28,411.8	

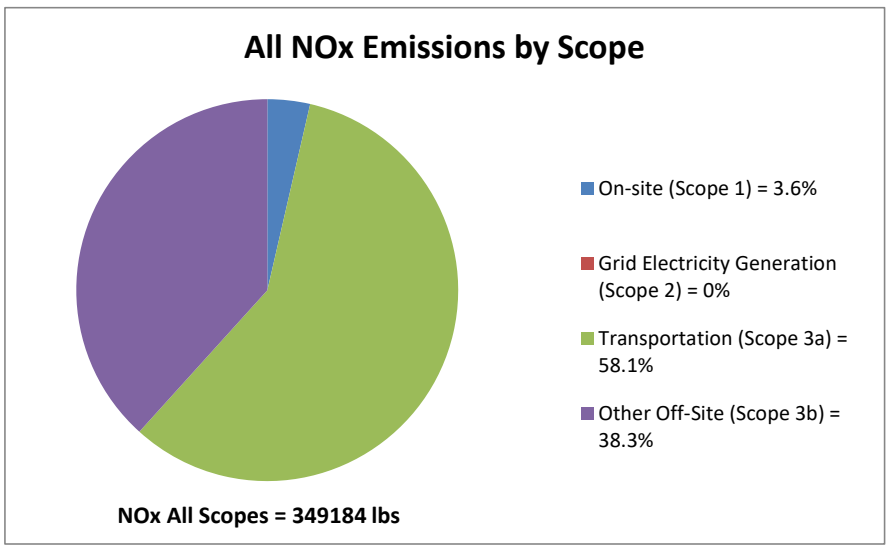
RA-2 = 8.6%
RA-3 = 9.8%
RA-4 = 13.8%
RA-5 = 27.8%
RA-6 = 39.9%
< Component 6 > = 0%

On-site (Scope 1) = 4.9%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 47.3%
Other Off-Site (Scope 3b) = 47.8%

GHG All Components = 28411.8 Tons CO2e
GHG All Scopes = 28411.8 Tons CO2e


All NOx Emissions by Remedy Component by Scope
(in Lbs)
160000
140000
120000
100000
80000
60000
40000
20000
0
RA-2
RA-3
RA-4
RA-5
RA-6
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
NOx All Components = 349184 lbs


All NOx Emissions by Remedy Component
RA-2 = 8.8%
RA-3 = 10%
RA-4 = 13.9%
RA-5 = 27.7%
RA-6 = 39.6%
< Component 6 > = 0%
NOx All Components = 349184 lbs


All NOx Emissions by Scope
On-site (Scope 1) = 3.6%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 58.1%
Other Off-Site (Scope 3b) = 38.3%
NOx All Scopes = 349184 lbs

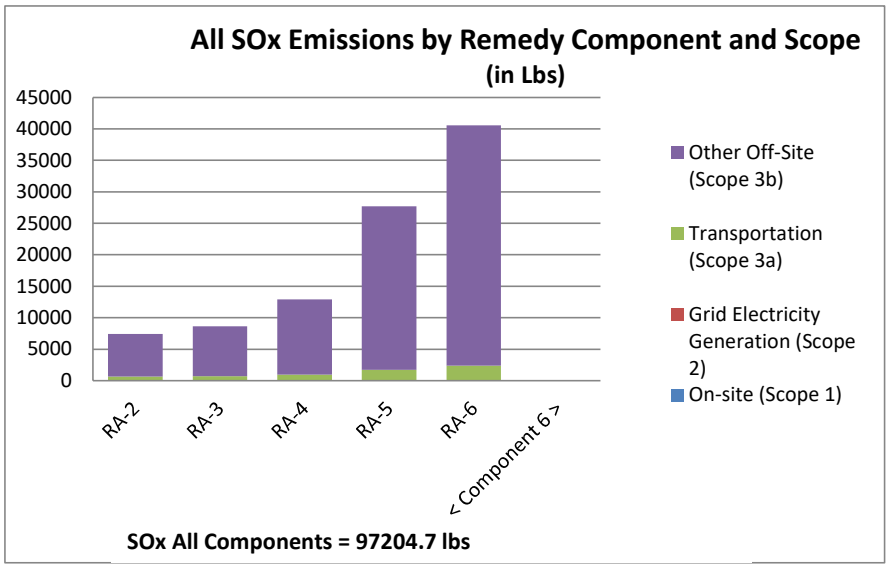
NOx
lbs

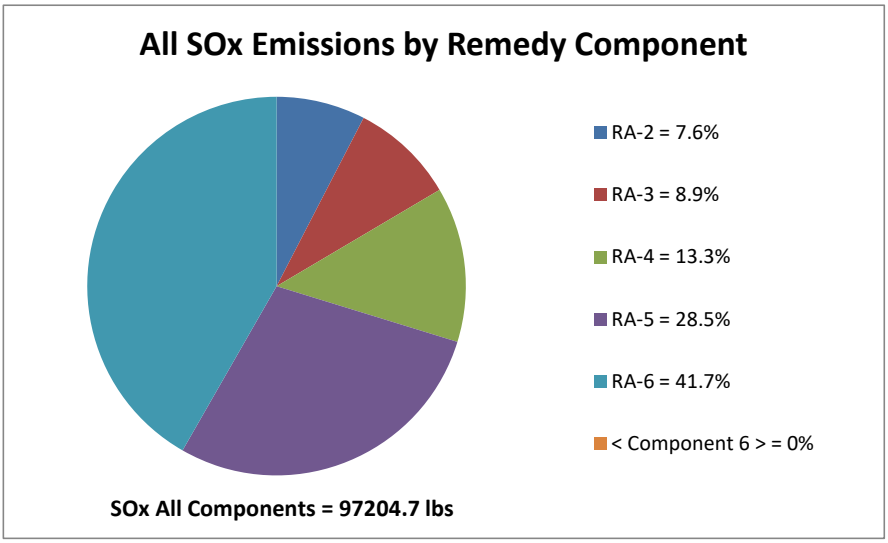
	RA-2	RA-3	RA-4	RA-5	RA-6	< Compon	Total	
On-site (Scope 1)	683.6	867.2	1,590.1	3,839.5	5,680.6	0.0	12,661.1	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
nsportation (Scope 3a)	20,813.8	22,917.4	29,527.9	53,948.6	75,566.9	0.0	202,774.6	Trar
ner Off-Site (Scope 3b)	9,285.1	11,080.2	17,441.9	38,859.2	57,081.9	0.0	133,748.3	Oth
Total	30,782.5	34,864.8	48,559.9	96,647.3	138,329.5	0.0	349,184.0	

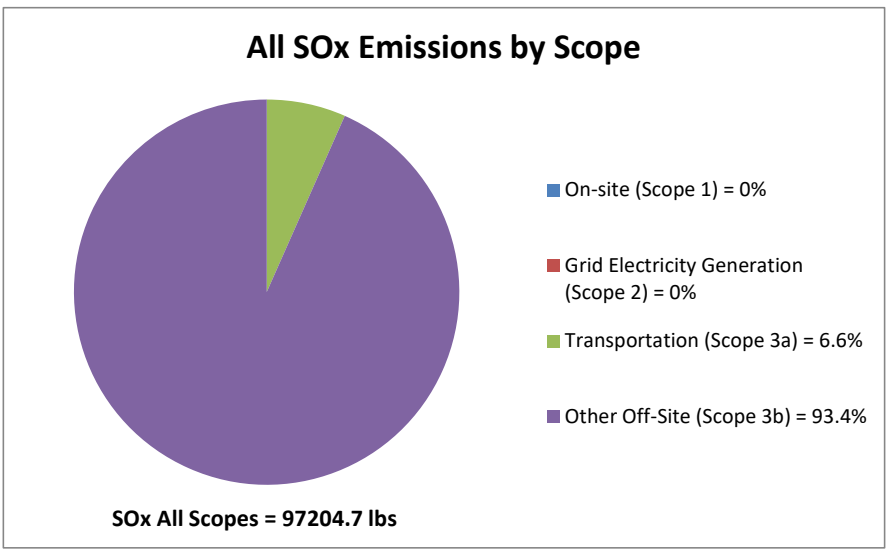
RA-2 = 8.8%
RA-3 = 10%
RA-4 = 13.9%
RA-5 = 27.7%
RA-6 = 39.6%
< Component 6 > = 0%

On-site (Scope 1) = 3.6%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 58.1%
Other Off-Site (Scope 3b) = 38.3%

NOx All Components = 349184 lbs
NOx All Scopes = 349184 lbs


All SOx Emissions by Remedy Component and Scope
(in Lbs)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
RA-2
RA-3
RA-4
RA-5
RA-6
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
SOx All Components = 97204.7 lbs


All SOx Emissions by Remedy Component
RA-2 = 7.6%
RA-3 = 8.9%
RA-4 = 13.3%
RA-5 = 28.5%
RA-6 = 41.7%
< Component 6 > = 0%
SOx All Components = 97204.7 lbs

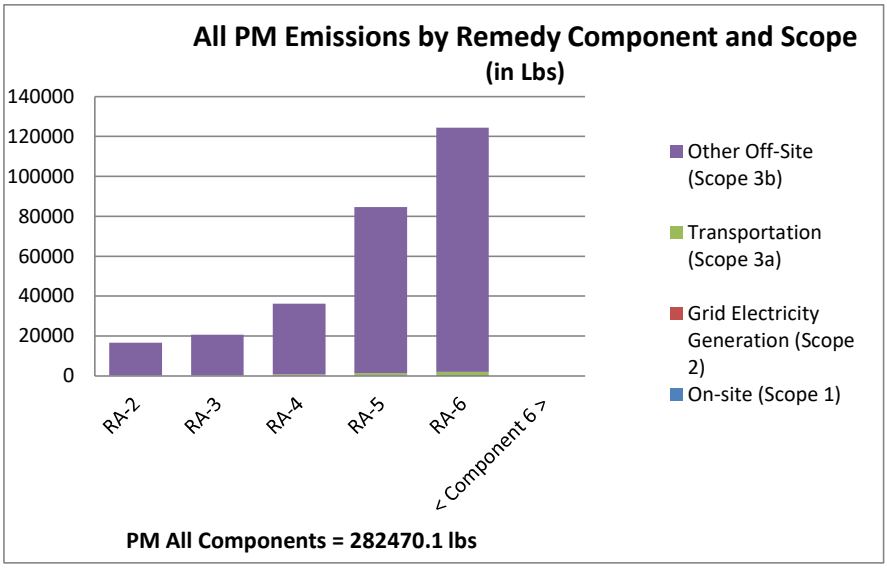

All SOx Emissions by Scope
On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 6.6%
Other Off-Site (Scope 3b) = 93.4%
SOx All Scopes = 97204.7 lbs

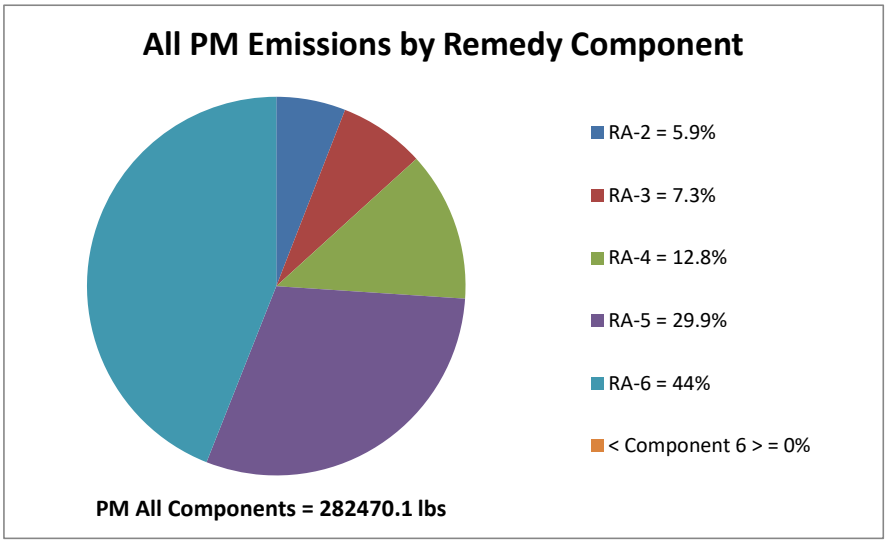
SOx lbs	RA-2	RA-3	RA-4	RA-5	RA-6	< Compon	Total	
On-site (Scope 1)	0.9	1.1	2.0	4.9	7.3	0.0	16.3	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
nsportation (Scope 3a)	661.1	727.9	937.9	1,713.5	2,400.2	0.0	6,440.6	Trar
ıer Off-Site (Scope 3b)	6,733.5	7,922.9	11,951.9	26,000.3	38,139.3	0.0	90,747.9	Oth
Total	7,395.4	8,651.9	12,891.8	27,718.8	40,546.8	0.0	97,204.7	

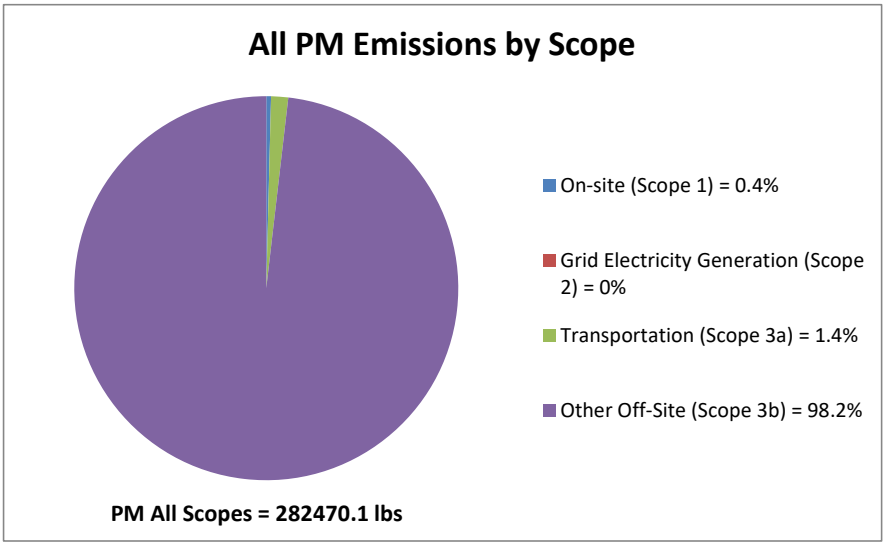
RA-2 = 7.6%
RA-3 = 8.9%
RA-4 = 13.3%
RA-5 = 28.5%
RA-6 = 41.7%
< Component 6 > = 0%

On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 6.6%
Other Off-Site (Scope 3b) = 93.4%

SOx All Components = 97204.7 lbs
SOx All Scopes = 97204.7 lbs


All PM Emissions by Remedy Component and Scope
(in Lbs)
140000
120000
100000
80000
60000
40000
20000
0
RA-2
RA-3
RA-4
RA-5
RA-6
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
PM All Components = 282470.1 lbs


All PM Emissions by Remedy Component
RA-2 = 5.9%
RA-3 = 7.3%
RA-4 = 12.8%
RA-5 = 29.9%
RA-6 = 44%
< Component 6 > = 0%
PM All Components = 282470.1 lbs


All PM Emissions by Scope
On-site (Scope 1) = 0.4%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.4%
Other Off-Site (Scope 3b) = 98.2%
PM All Scopes = 282470.1 lbs

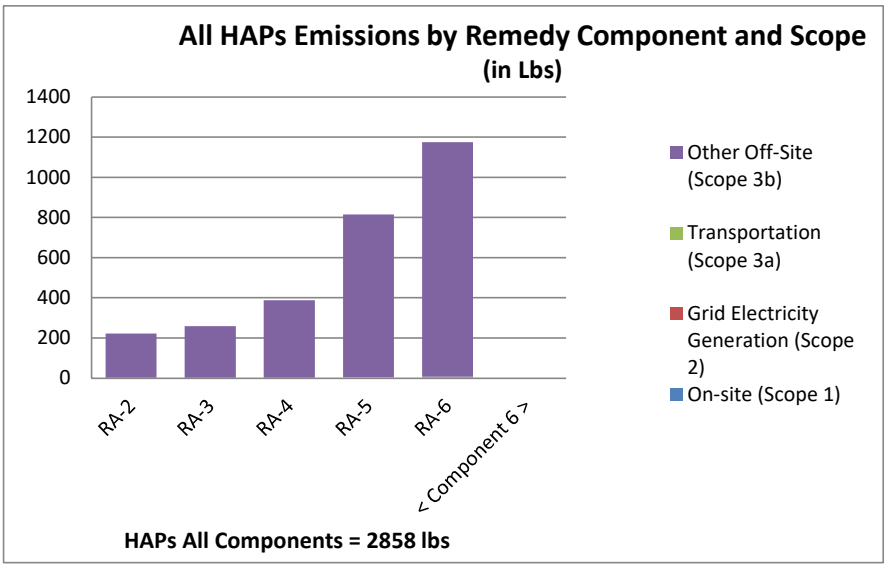
PM
lbs

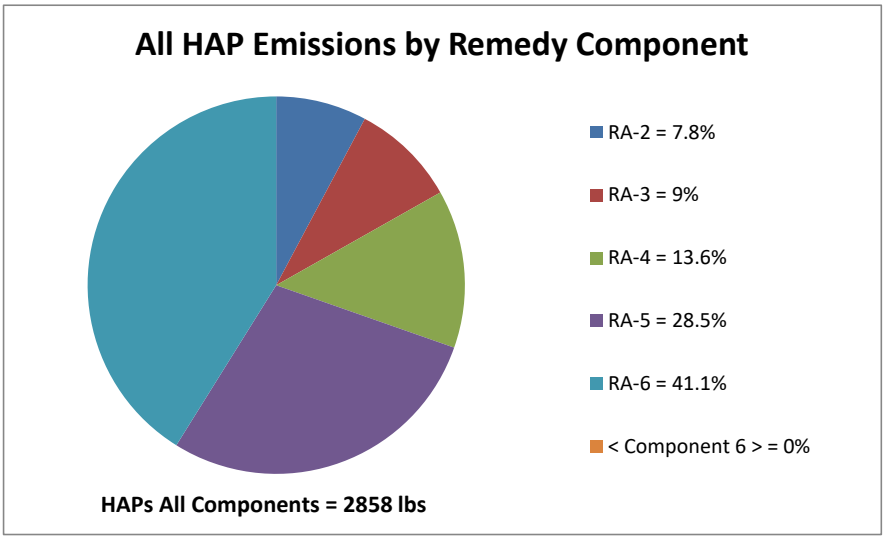
	RA-2	RA-3	RA-4	RA-5	RA-6	< Compon	Total	
On-site (Scope 1)	60.9	77.3	141.7	342.1	506.2	0.0	1,128.2	
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	d Electricity
nsportation (Scope 3a)	416.4	458.5	590.8	1,079.4	1,512.0	0.0	4,057.2	Trar
ner Off-Site (Scope 3b)	16,266.6	20,170.9	35,438.8	83,123.4	122,284.9	0.0	277,284.6	Oth
Total	16,743.9	20,706.7	36,171.3	84,545.0	124,303.1	0.0	282,470.1	

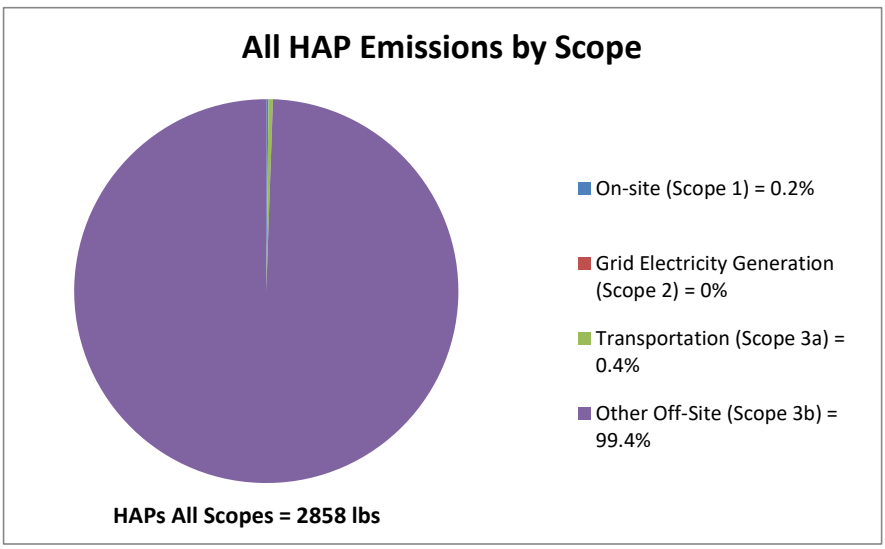
RA-2 = 5.9%
RA-3 = 7.3%
RA-4 = 12.8%
RA-5 = 29.9%
RA-6 = 44%
< Component 6 > = 0%

On-site (Scope 1) = 0.4%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.4%
Other Off-Site (Scope 3b) = 98.2%

PM All Components = 282470.1 lbs
PM All Scopes = 282470.1 lbs


All HAPs Emissions by Remedy Component and Scope
(in Lbs)
1400
1200
1000
800
600
400
200
0
RA-2
RA-3
RA-4
RA-5
RA-6
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
HAPs All Components = 2858 lbs


All HAP Emissions by Remedy Component
RA-2 = 7.8%
RA-3 = 9%
RA-4 = 13.6%
RA-5 = 28.5%
RA-6 = 41.1%
< Component 6 > = 0%
HAPs All Components = 2858 lbs


All HAP Emissions by Scope
On-site (Scope 1) = 0.2%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.4%
Other Off-Site (Scope 3b) = 99.4%
HAPs All Scopes = 2858 lbs

HAPs lbs	RA-2	RA-3	RA-4	RA-5	RA-6	< Compon	Total
On-site (Scope 1)	0.3	0.3	0.6	1.5	2.2	0.0	5.0
Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
nsportation (Scope 3a)	1.1	1.2	1.6	3.0	4.2	0.0	11.1
ner Off-Site (Scope 3b)	221.1	256.5	385.3	810.2	1,168.8	0.0	2,841.9
Total	222.4	258.0	387.6	814.7	1,175.3	0.0	2,858.0

RA-2 = 7.8%
RA-3 = 9%
RA-4 = 13.6%
RA-5 = 28.5%
RA-6 = 41.1%
< Component 6 > = 0%

On-site (Scope 1) = 0.2%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.4%
Other Off-Site (Scope 3b) = 99.4%

HAPs All Components = 2858 lbs
HAPs All Scopes = 2858 lbs

RA-2 - Energy & Air Compiled Results

Category	Total Energy	GHG	NOx	SOx	PM	NOx + SOx + PM	HAPs
	MMbtus	lbs CO2e	lbs	lbs	lbs	lbs	lbs
On-site (Scope 1)	**941**	**150,532**	**684**	**1**	**61**	**745**	**0**
Grid Electricity Generation (Scope 2)	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**
Transportation (Scope 3a)	**17,025**	**2,755,791**	**20,814**	**661**	**416**	**21,891**	**1**
Other Off-Site (Scope 3b)	**13,823**	**1,993,178**	**9,285**	**6,733**	**16,267**	**32,285**	**221**
Remedy Totals	**31,788**	**4,899,501**	**30,783**	**7,395**	**16,744**	**54,922**	**222**

Values that are forwarded to the "Summary" tab are indicated in orange.

Voluntary Renewable Energy Use	Unit	Quantity	
On-site renewable energy generation or use	MMBtu	**0**	
On-site biodiesel use	MMBtu	**0**	
Biodiesel and other renewable resource use for transportation	MMBtu	**0**	
On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	**0**	*(This value is the sum of the three rows above)*
Voluntary purchase of renewable electricity	MWh	**0**	
Voluntary purchase of RECs	MWh	**0**	

This worksheet is not intended for user input. Values on this worksheet are obtained from the following file: SEFA_calculations_(121718).xlsx

RA-3 - Energy & Air Compiled Results

Category	Total Energy	GHG	NOx	SOx	PM	NOx + SOx + PM	HAPs
	MMbtus	lbs CO2e	lbs	lbs	lbs	lbs	lbs
On-site (Scope 1)	**1,193**	**190,949**	**867**	**1**	**77**	**946**	**0**
Grid Electricity Generation (Scope 2)	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Transportation (Scope 3a)	**18,746**	**3,034,348**	**22,917**	**728**	**459**	**24,104**	**1**
Other Off-Site (Scope 3b)	**16,213**	**2,349,196**	**11,080**	**7,923**	**20,171**	**39,174**	**256**
Remedy Totals	**36,152**	**5,574,493**	**34,865**	**8,652**	**20,707**	**64,223**	**258**

Values that are forwarded to the "Summary" tab are indicated in orange.

Voluntary Renewable Energy Use	Unit	Quantity	
On-site renewable energy generation or use	MMBtu	**0**	
On-site biodiesel use	MMBtu	**0**	
Biodiesel and other renewable resource use for transportation	MMBtu	**0**	
On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	**0**	*(This value is the sum of the three rows above)*
Voluntary purchase of renewable electricity	MWh	**0**	
Voluntary purchase of RECs	MWh	**0**	

This worksheet is not intended for user input. Values on this worksheet are obtained from the following file: SEFA_calculations_(121718).xlsx

RA-4 - Energy & Air Compiled Results

Category	Total Energy	GHG	NOx	SOx	PM	NOx + SOx + PM	HAPs
	MMbtus	lbs CO2e	lbs	lbs	lbs	lbs	lbs
On-site (Scope 1)	**2,188**	**350,143**	**1,590**	**2**	**142**	**1,734**	**1**
Grid Electricity Generation (Scope 2)	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Transportation (Scope 3a)	**24,154**	**3,909,802**	**29,528**	**938**	**591**	**31,057**	**2**
Other Off-Site (Scope 3b)	**24,344**	**3,587,908**	**17,442**	**11,952**	**35,439**	**64,833**	**385**
Remedy Totals	**50,686**	**7,847,853**	**48,560**	**12,892**	**36,171**	**97,623**	**388**

Values that are forwarded to the "Summary" tab are indicated in orange.

Voluntary Renewable Energy Use	Unit	Quantity	
On-site renewable energy generation or use	MMBtu	**0**	
On-site biodiesel use	MMBtu	**0**	
Biodiesel and other renewable resource use for transportation	MMBtu	**0**	
On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	**0**	*(This value is the sum of the three rows above)*
Voluntary purchase of renewable electricity	MWh	**0**	
Voluntary purchase of RECs	MWh	**0**	

This worksheet is not intended for user input. Values on this worksheet are obtained from the following file: SEFA_calculations_(121718).xlsx

RA-5 - Energy & Air Compiled Results

Category	Total Energy	GHG	NOx	SOx	PM	NOx + SOx + PM	HAPs
	MMbtus	lbs CO2e	lbs	lbs	lbs	lbs	lbs
On-site (Scope 1)	**5,284**	**845,456**	**3,840**	**5**	**342**	**4,187**	**2**
Grid Electricity Generation (Scope 2)	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Transportation (Scope 3a)	**44,130**	**7,143,305**	**53,949**	**1,714**	**1,079**	**56,742**	**3**
Other Off-Site (Scope 3b)	**52,598**	**7,817,480**	**38,859**	**26,000**	**83,123**	**147,983**	**810**
Remedy Totals	**102,012**	**15,806,241**	**96,647**	**27,719**	**84,545**	**208,911**	**815**

Values that are forwarded to the "Summary" tab are indicated in orange.

Voluntary Renewable Energy Use	Unit	Quantity	
On-site renewable energy generation or use	MMBtu	**0**	
On-site biodiesel use	MMBtu	**0**	
Biodiesel and other renewable resource use for transportation	MMBtu	**0**	
On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	**0**	*(This value is the sum of the three rows above)*
Voluntary purchase of renewable electricity	MWh	**0**	
Voluntary purchase of RECs	MWh	**0**	

This worksheet is not intended for user input. Values on this worksheet are obtained from the following file: SEFA_calculations_(121718).xlsx

RA-6 - Energy & Air Compiled Results

Category	Total Energy	GHG	NOx	SOx	PM	NOx + SOx + PM	HAPs
	MMbtus	lbs CO2e	lbs	lbs	lbs	lbs	lbs
On-site (Scope 1)	**7,818**	**1,250,863**	**5,681**	**7**	**506**	**6,194**	**2**
Grid Electricity Generation (Scope 2)	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Transportation (Scope 3a)	**61,815**	**10,005,942**	**75,567**	**2,400**	**1,512**	**79,479**	**4**
Other Off-Site (Scope 3b)	**76,971**	**11,438,630**	**57,082**	**38,139**	**122,285**	**217,506**	**1,169**
Remedy Totals	**146,604**	**22,695,434**	**138,329**	**40,547**	**124,303**	**303,179**	**1,175**

Values that are forwarded to the "Summary" tab are indicated in orange.

Voluntary Renewable Energy Use	Unit	Quantity	
On-site renewable energy generation or use	MMBtu	**0**	
On-site biodiesel use	MMBtu	**0**	
Biodiesel and other renewable resource use for transportation	MMBtu	**0**	
On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	**0**	*(This value is the sum of the three rows above)*
Voluntary purchase of renewable electricity	MWh	**0**	
Voluntary purchase of RECs	MWh	**0**	

This worksheet is not intended for user input. Values on this worksheet are obtained from the following file: SEFA_calculations_(121718).xlsx

All - Energy & Air Compiled Results

Category	Total Energy	GHG	NOx	SOx	PM	NOx + SOx + PM	HAPs
	MMbtus	lbs CO2e	lbs	lbs	lbs	lbs	lbs
On-site (Scope 1)	**17,425**	**2,787,943**	**12,661**	**16**	**1,128**	**13,806**	**5**
Grid Electricity Generation (Scope 2)	**0.000**	**0**	**0**	**0**	**0**	**0**	**0**
Transportation (Scope 3a)	**165,870**	**26,849,188**	**202,775**	**6,441**	**4,057**	**213,272**	**11**
Other Off-Site (Scope 3b)	**183,949**	**27,186,391**	**133,748**	**90,748**	**277,285**	**501,781**	**2,842**
Remedy Totals	**367,243**	**56,823,522**	**349,184**	**97,205**	**282,470**	**728,859**	**2,858**

Values that are forwarded to the "Summary" tab are indicated in orange.

Voluntary Renewable Energy Use	Unit	Quantity	
On-site renewable energy generation or use	MMBtu	**0**	
On-site biodiesel use	MMBtu	**0**	
Biodiesel and other renewable resource use for transportation	MMBtu	**0**	
On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	**0**	*(This value is the sum of the three rows above)*
Voluntary purchase of renewable electricity	MWh	**0**	
Voluntary purchase of RECs	MWh	**0**	

This worksheet is not intended for user input. Values on this worksheet are obtained from the following file: SEFA_calculations_(121718).xlsx

Input Summary

Remedy Component Number →		1	2	3	4	5	6									Remedy Component Subtotals						
		Column headings in Row 6 must match the name of "Input" tabs in this workbook for Columns C - P in this table to be populated ("0" in Row 4 means "Input" tab is turned Off and will not be grouped to a Remedy Component (Columns Q - V) or used in subsequent calculations)																				
Item		Input Template	Input Template (2)	Input Template (3)	Input Template (4)	Input Template (5)	Input Template (6)	Input Template (7)	Input Template (8)	Input Template (9)	Input Template (10)	Input Template (11)	Input Template (12)	Input Template (13)	Input Template (14)	1	2	3	4	5	6	Total
On-Site																						
On-site Renewable Energy																						
Renewable electricity generated on-site	MWh	0	0	0	0	0										0	0	0	0	0	0	0
Landfill gas combusted on-site for energy use	ccf CH_4	0	0	0	0	0										0	0	0	0	0	0	0
On-site biodiesel use	gal	0	0	0	0	0										0	0	0	0	0	0	0
On-site biodiesel use - Other	gal	0	0	0	0	0										0	0	0	0	0	0	0
User-defined on-site renewable energy use #1	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined on-site renewable energy use #2	TBD	0	0	0	0	0										0	0	0	0	0	0	0
On-Site Conventional Energy																						
Grid electricity	MWh	0	0	0	0	0										0	0	0	0	0	0	0
On-site diesel use - Other	Gal	0	0	0	0	0										0	0	0	0	0	0	0
On-site diesel use <75 hp	Gal	0	0	0	0	0										0	0	0	0	0	0	0
On-site diesel use 75<hp<750	Gal	6768.544	8585.8516	15743.819	38015.11	56243.819										6768.544	8585.8516	15743.819	38015.11	56243.819	0	125357.14
On-site diesel use >750 hp	Gal	0	0	0	0	0										0	0	0	0	0	0	0
On-site gasoline use - Other	Gal	0	0	0	0	0										0	0	0	0	0	0	0
On-site gasoline use <25 hp	Gal	0	0	0	0	0										0	0	0	0	0	0	0
On-site gasoline use >25 hp	Gal	0	0	0	0	0										0	0	0	0	0	0	0
On-site natural gas use	ccf	0	0	0	0	0										0	0	0	0	0	0	0
On-site compressed natural gas use - Other	ccf	0	0	0	0	0										0	0	0	0	0	0	0
On-site compressed natural gas use	ccf	0	0	0	0	0										0	0	0	0	0	0	0
On-site liquified petroleum gas use - Other	gal	0	0	0	0	0										0	0	0	0	0	0	0
On-site liquified petroleum gas use	gal	0	0	0	0	0										0	0	0	0	0	0	0
Other forms of on-site conventional energy use #1	TBD	0	0	0	0	0										0	0	0	0	0	0	0
Other forms of on-site conventional energy use #2	TBD	0	0	0	0	0										0	0	0	0	0	0	0
Other On-site Emissions																						
On-site HAP process emissions	Lbs	0	0	0	0	0										0	0	0	0	0	0	0
On-site GHG emissions	Lbs CO2e	0	0	0	0	0										0	0	0	0	0	0	0
On-site carbon storage	Lbs CO2e	0	0	0	0	0										0	0	0	0	0	0	0
GHG avoided by flaring on-site landfill methane	ccf CH4	0	0	0	0	0										0	0	0	0	0	0	0
Other on-site NOx emissions or reductions	Lbs	0	0	0	0	0										0	0	0	0	0	0	0
Other on-site SOx emissions or reductions	Lbs	0	0	0	0	0										0	0	0	0	0	0	0
Other on-site PM emissions or reductions	Lbs	0	0	0	0	0										0	0	0	0	0	0	0
Electricity Generation																						
Grid electricity	MWh	0	0	0	0	0										0	0	0	0	0	0	0
Voluntary purchase of renewable electricity	MWh	0	0	0	0	0										0	0	0	0	0	0	0
Voluntary purchase of RECs	MWh	0	0	0	0	0										0	0	0	0	0	0	0
Transportation																						
Transportation Fuel Use Breakdown																						
Biodiesel use - Personnel Transport	gal	0	0	0	0	0										0	0	0	0	0	0	0
Biodiesel use - Personnel Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Biodiesel use - Equipment Transport	gal	0	0	0	0	0										0	0	0	0	0	0	0
Biodiesel use - Equipment Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Biodiesel use - Material Transport	gal	0	0	0	0	0										0	0	0	0	0	0	0
Biodiesel use - Material Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Biodiesel use - Waste Transport	gal	0	0	0	0	0										0	0	0	0	0	0	0
Biodiesel use - Waste Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Diesel use - Personnel Transport - other vehicles	gal	311.1	355.6	488.9	844.4	1244.4										311.1	355.6	488.9	844.4	1244.4	0	3244.4
Diesel use - Personnel Transport - car	gal	0	0	0	0	0										0	0	0	0	0	0	0
Diesel use - Personnel Transport - passenger truck	gal	0	0	0	0	0										0	0	0	0	0	0	0
Diesel use - Personnel Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Diesel use - Equipment Transport	gal	16.6	16.6	16.6	16.6	16.6										16.6	16.6	16.6	16.6	16.6	0	83
Diesel use - Equipment Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Diesel use - Material Transport	gal	45651.923	50996.154	62258.974	120107.05	176860.9										45651.923	50996.154	62258.974	120107.05	176860.9	0	455875
Diesel use - Material Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Diesel use - Waste Transport	gal	76441.6	83425.6	110907.8	196338.4	266334.1										76441.6	83425.6	110907.8	196338.4	266334.1	0	733447.5
Diesel use - Waste Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Gasoline use - Personnel Transport - other vehicles	gal	0	0	0	0	0										0	0	0	0	0	0	0
Gasoline use - Personnel Transport - car	gal	18.2	20.6	30.2	54.2	78.8										18.2	20.6	30.2	54.2	78.8	0	202
Gasoline use - Personnel Transport - passenger truck	gal	48.2	54.4	79.8	143.4	208.4										48.2	54.4	79.8	143.4	208.4	0	534.2
Gasoline use - Personnel Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Gasoline use - Equipment Transport	gal	0	0	0	0	0										0	0	0	0	0	0	0
Gasoline use - Equipment Transport - User Defined	gal	0	0	0	0	0										0	0	0	0	0	0	0
Natural Gas use - Personnel Transport	ccf	0	0	0	0	0										0	0	0	0	0	0	0
Natural Gas use - Personnel Transport - User Defined	ccf	0	0	0	0	0										0	0	0	0	0	0	0
Natural Gas use - Equipment Transport	ccf	0	0	0	0	0										0	0	0	0	0	0	0

Input Summary

Remedy Component Number →		1	2	3	4	5	6									Remedy Component Subtotals						
		Column headings in Row 6 must match the name of "Input" tabs in this workbook for Columns C - P in this table to be populated ("0" in Row 4 means "Input" tab is turned Off and will not be grouped to a Remedy Component (Columns Q - V) or used in subsequent calculations)																				
Item		Input Template	Input Template (2)	Input Template (3)	Input Template (4)	Input Template (5)	Input Template (6)	Input Template (7)	Input Template (8)	Input Template (9)	Input Template (10)	Input Template (11)	Input Template (12)	Input Template (13)	Input Template (14)	1	2	3	4	5	6	Total
Conventional Energy																						
Transportation diesel use	gal	122421.22	134793.95	173672.27	317306.45	444456										122421.22	134793.95	173672.27	317306.45	444456	0	1192649.9
Transportation gasoline use	gal	66.4	75	110	197.6	287.2										66.4	75	110	197.6	287.2	0	736.2
Transportation natural gas use	ccf	0	0	0	0	0										0	0	0	0	0	0	0
User-defined conventional energy transportation #1	TBD	10	10	10	10	10										10	10	10	10	10	0	50
User-defined conventional energy transportation #2	TBD	0	0	0	0	0										0	0	0	0	0	0	0
Renewable Energy																						
Transportation biodiesel use	gal	0	0	0	0	0										0	0	0	0	0	0	0
User-defined renewable energy transportation #1	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined renewable energy transportation #2	TBD	0	0	0	0	0										0	0	0	0	0	0	0
Off-Site																						
Construction Materials																						
Aluminum, Rolled Sheet	lb	0	0	0	0	0										0	0	0	0	0	0	0
Asphalt, mastic	lb	0	0	0	0	0										0	0	0	0	0	0	0
Asphalt, paving-grade	lb	0	0	0	0	0										0	0	0	0	0	0	0
Ethanol, Corn, 95%	lb	0	0	0	0	0										0	0	0	0	0	0	0
Ethanol, Corn, 99.7%	lb	0	0	0	0	0										0	0	0	0	0	0	0
Ethanol, Petroleum, 99.7%	lb	0	0	0	0	0										0	0	0	0	0	0	0
Gravel/Sand Mix, 65% Gravel	lb	0	0	0	0	0										0	0	0	0	0	0	0
Gravel/sand/clay	lb	185164200	206840400	252522400	487154200	717347800										185164200	206840400	252522400	487154200	717347800	0	1.849E+09
HDPE	lb	0	0	0	0	0										0	0	0	0	0	0	0
Photovoltaic system (installed)	W	0	0	0	0	0										0	0	0	0	0	0	0
PVC	lb	0	0	0	0	0										0	0	0	0	0	0	0
Portland cement, US average	lb	0	0	0	0	0																
Ready-mixed concrete, 20 MPa	ft3	0	0	0	0	0										0	0	0	0	0	0	0
Round Gravel	lb	0	0	0	0	0										0	0	0	0	0	0	0
Sand	lb	0	0	0	0	0										0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0										0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0										0	0	0	0	0	0	0
Other refined construction materials	lb	0	0	0	0	0										0	0	0	0	0	0	0
Other unrefined construction materials	lb	0	0	0	0	0										0	0	0	0	0	0	0
Treatment Materials & Chemicals																						
Cheese Whey	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Emulsified vegetable oil	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Granular activated carbon, primary	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Granular activated carbon, regenerated	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Hydrogen Peroxide, 50% in H2O	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Iron (II) Sulfate	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Lime, Hydrated, Packed	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Molasses	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Phosphoric Acid, 70% in H2O	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Potassium Permanganate	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Sodium Hydroxide, 50% in H2O	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Other Treatment Chemicals & Materials	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Material Type																						
Total Virgin Refined Materials	tons	92582.1	103420.2	126261.2	243577.1	358673.9										92582.1	103420.2	126261.2	243577.1	358673.9	0	924514.5
Total Recycled Refined Materials	tons	0	0	0	0	0										0	0	0	0	0	0	0
Total Reused Refined Materials	tons	0	0	0	0	0										0	0	0	0	0	0	0
Total Refined Material	tons	92582.1	103420.2	126261.2	243577.1	358673.9										92582.1	103420.2	126261.2	243577.1	358673.9	0	924514.5
Total Virgin Unrefined Materials	tons	0	0	0	0	0										0	0	0	0	0	0	0
Total Recycled Unrefined Materials	tons	0	0	0	0	0										0	0	0	0	0	0	0
Total Reused Unrefined Materials	tons	0	0	0	0	0										0	0	0	0	0	0	0
Total Unrefined Material	tons	0	0	0	0	0										0	0	0	0	0	0	0
Fuel Processing																						
Biodiesel produced	gal	0	0	0	0	0										0	0	0	0	0	0	0
Diesel produced	gal	129189.77	143379.81	189416.09	355321.56	500699.82										129189.77	143379.81	189416.09	355321.56	500699.82	0	1318007
Gasoline produced	gal	66.4	75	110	197.6	287.2										66.4	75	110	197.6	287.2	0	736.2
Compressed natural gas produced	ccf	0	0	0	0	0										0	0	0	0	0	0	0
Liquified petroleum gas produced	gal	0	0	0	0	0										0	0	0	0	0	0	0
Natural gas produced	ccf	0	0	0	0	0										0	0	0	0	0	0	0
Water Use																						
Public Water Supply	gal x 1000	0	0	0	0	0										0	0	0	0	0	0	0
Extracted Groundwater	gal x 1000	0	0	0	0	0										0	0	0	0	0	0	0
Surface Water	gal x 1000	0	0	0	0	0										0	0	0	0	0	0	0
Reclaimed Water	gal x 1000	0	0	0	0	0										0	0	0	0	0	0	0
Collected/Diverted Storm Water	gal x 1000	0	0	0	0	0										0	0	0	0	0	0	0
User-defined water resource #1	gal x 1000	0	0	0	0	0										0	0	0	0	0	0	0
User-defined water resource #2	gal x 1000	0	0	0	0	0										0	0	0	0	0	0	0

Input Summary

Remedy Component Number →		1	2	3	4	5	6									Remedy Component Subtotals						
		Column headings in Row 6 must match the name of "Input" tabs in this workbook for Columns C - P in this table to be populated ("0" in Row 4 means "Input" tab is turned Off and will not be grouped to a Remedy Component (Columns Q - V) or used in subsequent calculations)																				
Item		Input Template	Input Template (2)	Input Template (3)	Input Template (4)	Input Template (5)	Input Template (6)	Input Template (7)	Input Template (8)	Input Template (9)	Input Template (10)	Input Template (11)	Input Template (12)	Input Template (13)	Input Template (14)	1	2	3	4	5	6	Total
Waste/Recycle Handling																						
Hazardous waste incineration	lbs	0	0	0	0	0										0	0	0	0	0	0	0
Off-site waste water treatment (POTW)	gal x 1000	0	0	0	0	0										0	0	0	0	0	0	0
Off-site non-hazardous waste landfill	tons	0	9570	47228	164291	260204										0	9570	47228	164291	260204	0	481293
Off-site hazardous waste landfill	tons	35553	35553	35553	35553	35553										35553	35553	35553	35553	35553	0	177765
Recycled/Reused On-Site	tons	0	0	0	0	0										0	0	0	0	0	0	0
Recycled/Reused Off-Site	tons	0	0	0	0	0										0	0	0	0	0	0	0
Solid Waste Totals																						
Total Non-Hazardous Waste	tons	0	9570	47228	164291	260204										0	9570	47228	164291	260204	0	481293
Total Hazardous Waste	tons	35553	35553	35553	35553	35553										35553	35553	35553	35553	35553	0	177765
Total Recycled/Reused	tons	0	0	0	0	0										0	0	0	0	0	0	0
Total Waste (all types)	tons	35553	45123	82781	199844	295757										35553	45123	82781	199844	295757	0	659058
Lab Services																						
Off-site Laboratory Analysis - Other	sample	72	91	167	401	593										72	91	167	401	593	0	1324
Off-site Laboratory Analysis - Metals	sample	72	91	167	401	593										72	91	167	401	593	0	1324
Off-site Laboratory Analysis - Mercury	sample	72	91	167	401	593										72	91	167	401	593	0	1324
Off-site Laboratory Analysis - Inorganic Anions	sample	0	0	0	0	0										0	0	0	0	0	0	0
Off-site Laboratory Analysis - Alkalinity	sample	72	91	167	401	593										72	91	167	401	593	0	1324
Off-site Laboratory Analysis - Perchlorate	sample	0	0	0	0	0										0	0	0	0	0	0	0
Off-site Laboratory Analysis - Nitrogen/Nitrate	sample	0	0	0	0	0										0	0	0	0	0	0	0
Off-site Laboratory Analysis - Sulfate	sample	0	0	0	0	0										0	0	0	0	0	0	0
Off-site Laboratory Analysis - PCBs	sample	72	91	167	401	593										72	91	167	401	593	0	1324
Off-site Laboratory Analysis - VOCs	sample	72	91	167	401	593										72	91	167	401	593	0	1324
Off-site Laboratory Analysis - SVOCs	sample	72	91	167	401	593										72	91	167	401	593	0	1324
Resource Extraction for Electricity																						
Coal extraction and processing	MWh	0	0	0	0	0										0	0	0	0	0	0	0
Natural gas extraction and processing	MWh	0	0	0	0	0										0	0	0	0	0	0	0
Nuclear fuel extraction and processing	MWh	0	0	0	0	0										0	0	0	0	0	0	0
Oil extraction and processing	MWh	0	0	0	0	0										0	0	0	0	0	0	0
Other fuel extraction and processing	MWh	0	0	0	0	0										0	0	0	0	0	0	0
Electricity Transmission																						
Transmission and distribution losses	MWh	0	0	0	0	0										0	0	0	0	0	0	0

Input Summary

Remedy Component Number →		1	2	3	4	5	6									Remedy Component Subtotals						
		Column headings in Row 6 must match the name of "Input" tabs in this workbook for Columns C - P in this table to be populated ("0" in Row 4 means "Input" tab is turned Off and will not be grouped to a Remedy Component (Columns Q - V) or used in subsequent calculations)																				
Item		Input Template	Input Template (2)	Input Template (3)	Input Template (4)	Input Template (5)	Input Template (6)	Input Template (7)	Input Template (8)	Input Template (9)	Input Template (10)	Input Template (11)	Input Template (12)	Input Template (13)	Input Template (14)	1	2	3	4	5	6	Total
Other																						
User-defined material #1	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #2	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #3	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #4	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #5	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #6	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #7	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #8	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #9	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #10	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #11	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #12	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #13	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #14	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #15	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #16	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #17	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #18	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #19	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined material #20	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined Waste Destinations																						
User-defined recycled/reused on-site #1	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined recycled/reused on-site #2	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined recycled/reused on-site #3	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined recycled/reused off-site #2	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined recycled/reused off-site #3	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined non-hazardous waste destination #1	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined non-hazardous waste destination #2	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined non-hazardous waste destination #3	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined hazardous waste destination #1	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined hazardous waste destination #2	TBD	0	0	0	0	0										0	0	0	0	0	0	0
User-defined hazardous waste destination #3	TBD	0	0	0	0	0										0	0	0	0	0	0	0

Input Worksheet for Input Template

Please specify which Remedy Component this Input worksheet is part of: (Select "Off" to exclude this Input worksheet from calculations and results)	**Component 1**	**RA-2**

General Scope

RA-2 focuses on the removal containment of impacted media to eliminate exposure pathwaysPCBs in soil exceeding its New York Hazardous Waste Limit and containment of Site COCs remaining after excavation exceeding their respective Industrial SCOs or ESCOs.
oApproximately 27,500 cubic yards (CY) of surface and subsurface soils with PCB concentrations greater than 50 mg/kg in will be removed and disposed of off-site along with any collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
oA Toxic Substances Control Act (TSCA) cap (or two-ft soil cover if approved by USEPA), fencing and signage will be installed where PCB concentrations

Example Items Eliminated through Screening Process

Other Notes and References

Personnel Transportation

Participant	Number of Roundtrips to Site	Roundtrip Distance to Site (miles)	Mode of Transportation*	Transport Fuel Type*	Total Distance Transported (miles)	Default Fuel Usage Rate**	Fuel Usage Rate Override**	Fuel Used for Personnel Transport**	Activity or Notes
EHS Support Worker	91	5	Car	Gasoline	455	25		18.2	
EHS Support Worker	14	1000	Airplane	Diesel	14000	45		311.1	
Contractor	91	5	Light-Duty/Passenger Truck	Gasoline	455	18.9		24.1	
Contractor	91	5	Light-Duty/Passenger Truck	Gasoline	455	18.9		24.1	

** See the "Detailed Notes and Explanations" tab for explanation of transport and fuel options.*

*** for biodiesel, B20, diesel, and gasoline, units are gallons for Fuel Used and miles/gallon for Fuel Usage Rate; for natural gas, units are hundreds of cubic feet (ccf) for Fuel Used and ccf/miles for Fuel Usage Rate; for electricity, units are miles/kWh for Fuel Usage Rate and the kWh (Fuel Used) are added to total grid electricity used (cell G69).*

On-Site Equipment Use and Transportation

Equipment Type*	HP*	Load Factor (%)*	Equipment Fuel Type**	Equipment Fuel Usage Rate	Equipment Hours Operated	Fuel Used for On-site Equipment	Equipment weight (tons)	Number of Equipment Roundtrips to Site	Roundtrip Distance to Site (miles)	Total Distance Transported (miles)	Mode of Transportation	Transport Fuel Type***	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Equipment Transport (gallons)	Activity or Notes
Excavator - large (250 HP)	250	75%	Diesel between 75 and 750 hp	10.3021978	365	3760.302198		1	50	50	Truck (mpg)	Diesel	6		8.3	
Loader (200 HP)	200	75%	Diesel between 75 and 750 hp	8.241758242	365	3008.241758		1	50	50	Truck (mpg)	Diesel	6		8.3	

** HP and Load Factor must be entered by user in Columns C and D. Please see the "Detailed Notes and Explanations" tab for further explanation.*

*** For biodiesel, B20, diesel, gasoline, and liquified petroleum gas, units are gallons for Fuel Used for On-site Equipment and gallons/hr for Equipment Fuel Usage Rate; for compressed natural gas units are ccf (hundreds of cubic feet) for Fuel Used for On-site Equipment and ccf/hr for Equipment Fuel Usage Rate.*

**** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation and other aspects of data entry in Columns M, N, and P. Units are gallons for Fuel Used for Equipment Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.*

Input Worksheet for Input Template

Remedy Component that this Input worksheet is part of:	Component 1	RA-2

On-Site Electricity Use

Equipment Type	HP	Load Factor (%)	Efficiency (%)	Electrical Rating (kW)	Hours Used	Energy Used (kWh)	Notes
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
					Estimated Total Electricity Usage Based on Above	0	
					Renewable Electricity Generated On-Site*		
					Total Electricity Usage Based on Personnel Transportation	0	
					Total Grid Electricity Used	0	

**** Electricity generated on-site from renewable resources, for which the facility retains the rights to the renewable energy (i.e., does not sell renewable energy certificates associated with the renewable energy generation).***

On-Site Natural Gas Use

Equipment Type	Power Rating (Btu/hr)	Efficiency (%)	Hours Used	Energy Required (Btu)	Natural Gas Used (ccf)	Notes
					0	
				0		
			Totals	0	0	0

Landfill Gas Combusted On-Site for Energy Use

Equipment Type	Landfill Gas (ccf)	% Methane by volume	Used for electricity?	Landfill Gas Methane Used (ccf)	Notes
				0	
				0	
				0	
			Total	0	

Please see the "Detailed Notes and Explanations" tab for instructions on using the two tables above ("On-site Natural Gas Use" and "Landfill Gas Combusted On-Site for Energy Use"). In the two tables above, ccf = hundreds of cubic feet.

Materials Use and Transportation

Material Type*	Unit	Quantity	Tons	Is the Material Refined or Unrefined?**	Material Source: Virgin, Recycled, or Reused?**	Calculate Item Footprint?**	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation***	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Materials Transport (gallons)	Notes and Description of Materials
Gravel/sand/clay	lb	185164200	92582.1	Refined	Virgin	Yes	25		5478	Yes	273912	Truck (mpg)	Diesel	6		45651.923	
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														

**** Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined Materials" in the dropdown menu.***

***** Selections must be made in Columns F - H in order for the footprint calculations to be performed. Please see the "Detailed Notes and Explanations" tab for further information.***

****** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns L, N, O, and Q. Units are gallons for Fuel Used for Materials Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Input Worksheet for Input Template

Remedy Component that this Input worksheet is part of:	Component 1	RA-2

Waste Disposal and Transportation

Waste Destination*	Unit	Quantity	Tons	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation **	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Waste Transport (gallons)	Notes and Description of Waste
										Diesel				
Off-site hazardous waste landfill	tons	35553	35553	500	1000	68	No	68000	Train (gptm)	Diesel	0.002150075		76441.6	
										Diesel				
			0											
			0											
			0											
			0											
			0											
			0											
			0											
			0											
			0											

**** No footprint is calculated for the Recycled/Reused On-Site and Off-Site selections. Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined" selections in the dropdown menu.***

***** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns I, K, L, and N. Units are gallons for Fuel Used for Waste Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Type of Water Used

Source of Water Used*	Unit	Quantity	Tons	Source Location/Aquifer (optional)	Quality of Water Used (optional)	Water Uses (optional)	Fate of Used Water (optional)
Public Water	gal x 1000		0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				

**** Only the "Public Water" selection has an associated footprint. No footprint is calculated for the other water source selections.***

Note: Information entered in Columns F - V (Source/Quality/Use/Fate) is not compiled or reported by SEFA.

Input Worksheet for Input Template

Remedy Component that this Input worksheet is part of:	Component 1	RA-2

Other Energy Use and Air Emissions

Item		Units	Quantity	Notes
On-Site				
User-defined on-site conventional energy use #1	*User-Defined	TBD		
User-defined on-site conventional energy use #2	*User-Defined	TBD		
On-site HAP process emissions**		lbs		
On-site GHG emissions**		lbs CO2e		
On-site carbon storage**		lbs CO2e		
Landfill gas flared on-site		ccf CH4		
Other on-site NOx emissions or reductions**		lbs		
Other on-site SOx emissions or reductions**		lbs		
Other on-site PM emissions or reductions**		lbs		
Transportation		**Units**	**Quantity**	**Notes**
User-defined conventional energy transportation #1	*User-Defined	TBD	10	
User-defined conventional energy transportation #2	*User-Defined	TBD		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Enter a positive number for emissions and a negative number for reductions, avoidances, or storage***
See the "Detailed Notes and Explanations" tab for use of this table.

Other Voluntary Renewable Energy Use

Item		Units	Quantity	Notes
User-defined on-site renewable energy use #1	*User-Defined	TBD		
User-defined on-site renewable energy use #2	*User-Defined	TBD		
User-defined renewable energy transportation #1	*User-Defined	TBD		
User-defined renewable energy transportation #2	*User-Defined	TBD		
Voluntary purchase of renewable electricity**		MWh		
Voluntary purchase of RECs**		MWh		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Complete information on provider in the table to the right. No footprint reductions are associated with the voluntary purchases.***
See the "Detailed Notes and Explanations" tab for use of this table

Off-Site Laboratory Analysis

Parameter and Notes	Number of Samples	Comments
Off-site Laboratory Analysis - Other	72	
Off-site Laboratory Analysis - Metals	72	
Off-site Laboratory Analysis - Mercury	72	
Off-site Laboratory Analysis - Alkalinity	72	
Off-site Laboratory Analysis - PCBs	72	
Off-site Laboratory Analysis - VOCs	72	
Off-site Laboratory Analysis - SVOCs	72	
Totals	**504**	

Description of purchased renewable electricity (green pricing product or green marketing product)	Provider:	
	Type of product:	
	Type of renewable energy source:	
	Date of renewable system installation:	
Description of purchased RECs	Provider:	
	Type of renewable energy source:	
	Date of renewable system installation:	
	Location of renewable system installation:	

Input Worksheet for Input Template (2)

Please specify which Remedy Component this Input worksheet is part of: (Select "Off" to exclude this Input worksheet from calculations and results)	Component 2	RA-3

General Scope

RA-3 focuses on the removal of PCBs in soil exceeding its industrial SCO and containment of Site COCs remaining after excavation exceeding their respective Industrial Use SCOs and/or ESCOs and off-site disposal of a
oApproximately 33,700 CY of surface and subsurface soils with PCB concentrations greater than the Industrial Use SCO of 25 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
oA 1two-ft clean soil cover will be installed where metals remain at concentrations exceeding their respective Industrial Use SCOs and COCs

Example Items Eliminated through Screening Process

Other Notes and References

Personnel Transportation

Participant	Number of Roundtrips to Site	Roundtrip Distance to Site (miles)	Mode of Transportation*	Transport Fuel Type*	Total Distance Transported (miles)	Default Fuel Usage Rate**	Fuel Usage Rate Override**	Fuel Used for Personnel Transport**	Activity or Notes
EHS Support Worker	103	5	Car	Gasoline	515	25		20.6	
EHS Support Worker	16	1000	Airplane	Diesel	16000	45		355.6	
Contractor	103	5	Light-Duty/Passenger Truck	Gasoline	515	18.9		27.2	
Contractor	103	5	Light-Duty/Passenger Truck	Gasoline	515	18.9		27.2	

** See the "Detailed Notes and Explanations" tab for explanation of transport and fuel options.*

*** for biodiesel, B20, diesel, and gasoline, units are gallons for Fuel Used and miles/gallon for Fuel Usage Rate; for natural gas, units are hundreds of cubic feet (ccf) for Fuel Used and ccf/miles for Fuel Usage Rate; for electricity, units are miles/kWh for Fuel Usage Rate and the kWh (Fuel Used) are added to total grid electricity used (cell G69).*

On-Site Equipment Use and Transportation

Equipment Type*	HP*	Load Factor (%)*	Equipment Fuel Type**	Equipment Fuel Usage Rate	Equipment Hours Operated	Fuel Used for On-site Equipment	Equipment weight (tons)	Number of Equipment Roundtrips to Site	Roundtrip Distance to Site (miles)	Total Distance Transported (miles)	Mode of Transportation	Transport Fuel Type***	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Equipment Transport (gallons)	Activity or Notes
Excavator - large (250 HP)	250	75%	Diesel between 75 and 750 hp	10.3021978	463	4769.917582		1	50	50	Truck (mpg)	Diesel	6		8.3	
Loader (200 HP)	200	75%	Diesel between 75 and 750 hp	8.241758242	463	3815.934066		1	50	50	Truck (mpg)	Diesel	6		8.3	

** HP and Load Factor must be entered by user in Columns C and D. Please see the "Detailed Notes and Explanations" tab for further explanation.*

*** For biodiesel, B20, diesel, gasoline, and liquified petroleum gas, units are gallons for Fuel Used for On-site Equipment and gallons/hr for Equipment Fuel Usage Rate; for compressed natural gas units are ccf (hundreds of cubic feet) for Fuel Used for On-site Equipment and ccf/hr for Equipment Fuel Usage Rate.*

**** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation and other aspects of data entry in Columns M, N, and P. Units are gallons for Fuel Used for Equipment Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.*

Input Worksheet for Input Template (2)

Remedy Component that this Input worksheet is part of:	Component 2	RA-3

On-Site Electricity Use

Equipment Type	HP	Load Factor (%)	Efficiency (%)	Electrical Rating (kW)	Hours Used	Energy Used (kWh)	Notes
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
					Estimated Total Electricity Usage Based on Above	0	
					Renewable Electricity Generated On-Site*		
					Total Electricity Usage Based on Personnel Transportation	0	
					Total Grid Electricity Used	0	

**** Electricity generated on-site from renewable resources, for which the facility retains the rights to the renewable energy (i.e., does not sell renewable energy certificates associated with the renewable energy generation).***

On-Site Natural Gas Use

Equipment Type	Power Rating (Btu/hr)	Efficiency (%)	Hours Used	Energy Required (Btu)	Natural Gas Used (ccf)	Notes
					0	
				0		
			Totals	0	0	0

Landfill Gas Combusted On-Site for Energy Use

Equipment Type	Landfill Gas (ccf)	% Methane by volume	Used for electricity?	Landfill Gas Methane Used (ccf)	Notes
				0	
				0	
				0	
			Total	0	

Please see the "Detailed Notes and Explanations" tab for instructions on using the two tables above ("On-site Natural Gas Use" and "Landfill Gas Combusted On-Site for Energy Use"). In the two tables above, ccf = hundreds of cubic feet.

Materials Use and Transportation

Material Type*	Unit	Quantity	Tons	Is the Material Refined or Unrefined?**	Material Source: Virgin, Recycled, or Reused?**	Calculate Item Footprint?**	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation***	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Materials Transport (gallons)	Notes and Description of Materials
Gravel/sand/clay	lb	206840400	103420.2	Refined	Virgin	Yes	25		6120	Yes	305977	Truck (mpg)	Diesel	6		50996.154	
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														

**** Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined Materials" in the dropdown menu.***

***** Selections must be made in Columns F - H in order for the footprint calculations to be performed. Please see the "Detailed Notes and Explanations" tab for further information.***

****** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns L, N, O, and Q. Units are gallons for Fuel Used for Materials Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Input Worksheet for Input Template (2)

Remedy Component that this Input worksheet is part of:	Component 2	RA-3

Waste Disposal and Transportation

Waste Destination*	Unit	Quantity	Tons	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation **	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Waste Transport (gallons)	Notes and Description of Waste
										Diesel				
										Diesel				
										Diesel				
Off-site non-hazardous waste landfill	tons	9570	9570	25	37	566	Yes	41904	Truck (mpg)	Diesel	6		6984.0	
Off-site hazardous waste landfill	tons	35553	35553	500	1000	68	No	68000	Train (gptm)	Diesel	0.002150075		76441.6	
			0											
			0											
			0											
			0											
			0											
			0											
			0											

**** No footprint is calculated for the Recycled/Reused On-Site and Off-Site selections. Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined" selections in the dropdown menu.***

***** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns I, K, L, and N. Units are gallons for Fuel Used for Waste Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Type of Water Used

Source of Water Used*	Unit	Quantity	Tons	Source Location/Aquifer (optional)	Quality of Water Used (optional)	Water Uses (optional)	Fate of Used Water (optional)
Public Water	gal x 1000		0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				

**** Only the "Public Water" selection has an associated footprint. No footprint is calculated for the other water source selections.***

Note: Information entered in Columns F - V (Source/Quality/Use/Fate) is not compiled or reported by SEFA.

Input Worksheet for Input Template (2)

Remedy Component that this Input worksheet is part of:	Component 2	RA-3

Other Energy Use and Air Emissions

Item		Units	Quantity	Notes
On-Site				
User-defined on-site conventional energy use #1	*User-Defined	TBD		
User-defined on-site conventional energy use #2	*User-Defined	TBD		
On-site HAP process emissions**		lbs		
On-site GHG emissions**		lbs CO2e		
On-site carbon storage**		lbs CO2e		
Landfill gas flared on-site		ccf CH4		
Other on-site NOx emissions or reductions**		lbs		
Other on-site SOx emissions or reductions**		lbs		
Other on-site PM emissions or reductions**		lbs		
Transportation		**Units**	**Quantity**	**Notes**
User-defined conventional energy transportation #1	*User-Defined	TBD	10	
User-defined conventional energy transportation #2	*User-Defined	TBD		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Enter a positive number for emissions and a negative number for reductions, avoidances, or storage***
See the "Detailed Notes and Explanations" tab for use of this table.

Other Voluntary Renewable Energy Use

Item		Units	Quantity	Notes
User-defined on-site renewable energy use #1	*User-Defined	TBD		
User-defined on-site renewable energy use #2	*User-Defined	TBD		
User-defined renewable energy transportation #1	*User-Defined	TBD		
User-defined renewable energy transportation #2	*User-Defined	TBD		
Voluntary purchase of renewable electricity**		MWh		
Voluntary purchase of RECs**		MWh		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Complete information on provider in the table to the right. No footprint reductions are associated with the voluntary purchases.***
See the "Detailed Notes and Explanations" tab for use of this table

Off-Site Laboratory Analysis

Parameter and Notes	Number of Samples	Comments
Off-site Laboratory Analysis - Other	91	
Off-site Laboratory Analysis - Metals	91	
Off-site Laboratory Analysis - Mercury	91	
Off-site Laboratory Analysis - Alkalinity	91	
Off-site Laboratory Analysis - PCBs	91	
Off-site Laboratory Analysis - VOCs	91	
Off-site Laboratory Analysis - SVOCs	91	
Totals	**637**	

Description of purchased renewable electricity (green pricing product or green marketing product)	Provider:	
	Type of product:	
	Type of renewable energy source:	
	Date of renewable system installation:	
Description of purchased RECs	Provider:	
	Type of renewable energy source:	
	Date of renewable system installation:	
	Location of renewable system installation:	

Input Worksheet for Input Template (3)

Please specify which Remedy Component this Input worksheet is part of: (Select "Off" to exclude this Input worksheet from calculations and results)	Component 3	RA-4

General Scope

RA-4 focuses on the removal of PCBs in soil exceeding the CP-51 Commercial Use criteria and containment of Site COCs remaining after excavation exceeding their respective Commercial Use SCOs and/or ESCOs.
oRA-4 focuses on the removal and offsite disposal of aApproximately 64,000 CY of surface soils (0-1 ft bgs) with PCB concentrations greater than 1 mg/kg and subsurface soils (>1 ft bgs) with PCB concentrations greater than 10 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.

Example Items Eliminated through Screening Process

Other Notes and References

Personnel Transportation

Participant	Number of Roundtrips to Site	Roundtrip Distance to Site (miles)	Mode of Transportation*	Transport Fuel Type*	Total Distance Transported (miles)	Default Fuel Usage Rate**	Fuel Usage Rate Override**	Fuel Used for Personnel Transport**	Activity or Notes
EHS Support Worker	151	5	Car	Gasoline	755	25		30.2	
EHS Support Worker	22	1000	Airplane	Diesel	22000	45		488.9	
Contractor	151	5	Light-Duty/Passenger Truck	Gasoline	755	18.9		39.9	
Contractor	151	5	Light-Duty/Passenger Truck	Gasoline	755	18.9		39.9	

** See the "Detailed Notes and Explanations" tab for explanation of transport and fuel options.*

*** for biodiesel, B20, diesel, and gasoline, units are gallons for Fuel Used and miles/gallon for Fuel Usage Rate; for natural gas, units are hundreds of cubic feet (ccf) for Fuel Used and ccf/miles for Fuel Usage Rate; for electricity, units are miles/kWh for Fuel Usage Rate and the kWh (Fuel Used) are added to total grid electricity used (cell G69).*

On-Site Equipment Use and Transportation

Equipment Type*	HP*	Load Factor (%)*	Equipment Fuel Type**	Equipment Fuel Usage Rate	Equipment Hours Operated	Fuel Used for On-site Equipment	Equipment weight (tons)	Number of Equipment Roundtrips to Site	Roundtrip Distance to Site (miles)	Total Distance Transported (miles)	Mode of Transportation	Transport Fuel Type***	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Equipment Transport (gallons)	Activity or Notes
Excavator - large (250 HP)	250	75%	Diesel between 75 and 750 hp	10.3021978	849	8746.565934		1	50	50	Truck (mpg)	Diesel	6		8.3	
Loader (200 HP)	200	75%	Diesel between 75 and 750 hp	8.241758242	849	6997.252747		1	50	50	Truck (mpg)	Diesel	6		8.3	

** HP and Load Factor must be entered by user in Columns C and D. Please see the "Detailed Notes and Explanations" tab for further explanation.*

*** For biodiesel, B20, diesel, gasoline, and liquified petroleum gas, units are gallons for Fuel Used for On-site Equipment and gallons/hr for Equipment Fuel Usage Rate; for compressed natural gas units are ccf (hundreds of cubic feet) for Fuel Used for On-site Equipment and ccf/hr for Equipment Fuel Usage Rate.*

**** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation and other aspects of data entry in Columns M, N, and P. Units are gallons for Fuel Used for Equipment Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.*

Input Worksheet for Input Template (3)

Remedy Component that this Input worksheet is part of:	Component 3	RA-4

On-Site Electricity Use

Equipment Type	HP	Load Factor (%)	Efficiency (%)	Electrical Rating (kW)	Hours Used	Energy Used (kWh)	Notes
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
					Estimated Total Electricity Usage Based on Above	0	
					Renewable Electricity Generated On-Site*		
					Total Electricity Usage Based on Personnel Transportation	0	
					Total Grid Electricity Used	0	

**** Electricity generated on-site from renewable resources, for which the facility retains the rights to the renewable energy (i.e., does not sell renewable energy certificates associated with the renewable energy generation).***

On-Site Natural Gas Use

Equipment Type	Power Rating (Btu/hr)	Efficiency (%)	Hours Used	Energy Required (Btu)	Natural Gas Used (ccf)	Notes
					0	
				0		
			Totals	0	0	0

Landfill Gas Combusted On-Site for Energy Use

Equipment Type	Landfill Gas (ccf)	% Methane by volume	Used for electricity?	Landfill Gas Methane Used (ccf)	Notes
				0	
				0	
				0	
			Total	0	

Please see the "Detailed Notes and Explanations" tab for instructions on using the two tables above ("On-site Natural Gas Use" and "Landfill Gas Combusted On-Site for Energy Use"). In the two tables above, ccf = hundreds of cubic feet.

Materials Use and Transportation

Material Type*	Unit	Quantity	Tons	Is the Material Refined or Unrefined?**	Material Source: Virgin, Recycled, or Reused?**	Calculate Item Footprint?**	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation***	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Materials Transport (gallons)	Notes and Description of Materials
Gravel/sand/clay	lb	252522400	126261.2	Refined	Virgin	Yes	25		7471	Yes	373554	Truck (mpg)	Diesel	6		62258.974	
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														

**** Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined Materials" in the dropdown menu.***

***** Selections must be made in Columns F - H in order for the footprint calculations to be performed. Please see the "Detailed Notes and Explanations" tab for further information.***

****** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns L, N, O, and Q. Units are gallons for Fuel Used for Materials Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Input Worksheet for Input Template (3)

Remedy Component that this Input worksheet is part of:	Component 3	RA-4

Waste Disposal and Transportation

Waste Destination*	Unit	Quantity	Tons	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation **	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Waste Transport (gallons)	Notes and Description of Waste
										Diesel				
										Diesel				
										Diesel				
Off-site non-hazardous waste landfill	tons	47228	47228	25	37	2795	Yes	206797	Truck (mpg)	Diesel	6		34466.2	
Off-site hazardous waste landfill	tons	35553	35553	500	1000	68	No	68000	Train (gptm)	Diesel	0.002150075		76441.6	
			0											
			0											
			0											
			0											
			0											
			0											
			0											

**** No footprint is calculated for the Recycled/Reused On-Site and Off-Site selections. Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined" selections in the dropdown menu.***

***** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns I, K, L, and N. Units are gallons for Fuel Used for Waste Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Type of Water Used

Source of Water Used*	Unit	Quantity	Tons	Source Location/Aquifer (optional)	Quality of Water Used (optional)	Water Uses (optional)	Fate of Used Water (optional)
Public Water	gal x 1000		0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				

**** Only the "Public Water" selection has an associated footprint. No footprint is calculated for the other water source selections.***

Note: Information entered in Columns F - V (Source/Quality/Use/Fate) is not compiled or reported by SEFA.

Input Worksheet for Input Template (3)

Remedy Component that this Input worksheet is part of:	Component 3	RA-4

Other Energy Use and Air Emissions

Item		Units	Quantity	Notes
On-Site				
User-defined on-site conventional energy use #1	*User-Defined	TBD		
User-defined on-site conventional energy use #2	*User-Defined	TBD		
On-site HAP process emissions**		lbs		
On-site GHG emissions**		lbs CO2e		
On-site carbon storage**		lbs CO2e		
Landfill gas flared on-site		ccf CH4		
Other on-site NOx emissions or reductions**		lbs		
Other on-site SOx emissions or reductions**		lbs		
Other on-site PM emissions or reductions**		lbs		
Transportation		**Units**	**Quantity**	**Notes**
User-defined conventional energy transportation #1	*User-Defined	TBD	10	
User-defined conventional energy transportation #2	*User-Defined	TBD		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Enter a positive number for emissions and a negative number for reductions, avoidances, or storage***
See the "Detailed Notes and Explanations" tab for use of this table.

Other Voluntary Renewable Energy Use

Item		Units	Quantity	Notes
User-defined on-site renewable energy use #1	*User-Defined	TBD		
User-defined on-site renewable energy use #2	*User-Defined	TBD		
User-defined renewable energy transportation #1	*User-Defined	TBD		
User-defined renewable energy transportation #2	*User-Defined	TBD		
Voluntary purchase of renewable electricity**		MWh		
Voluntary purchase of RECs**		MWh		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Complete information on provider in the table to the right. No footprint reductions are associated with the voluntary purchases.***
See the "Detailed Notes and Explanations" tab for use of this table

Off-Site Laboratory Analysis

Parameter and Notes	Number of Samples	Comments
Off-site Laboratory Analysis - Other	167	
Off-site Laboratory Analysis - Metals	167	
Off-site Laboratory Analysis - Mercury	167	
Off-site Laboratory Analysis - Alkalinity	167	
Off-site Laboratory Analysis - PCBs	167	
Off-site Laboratory Analysis - VOCs	167	
Off-site Laboratory Analysis - SVOCs	167	
Totals	**1169**	

Description of purchased renewable electricity (green pricing product or green marketing product)	Provider:	
	Type of product:	
	Type of renewable energy source:	
	Date of renewable system installation:	
Description of purchased RECs	Provider:	
	Type of renewable energy source:	
	Date of renewable system installation:	
	Location of renewable system installation:	

Input Worksheet for Input Template (4)

Please specify which Remedy Component this Input worksheet is part of: (Select "Off" to exclude this Input worksheet from calculations and results)	**Component 4**	**RA-5**

General Scope

RA-5 focuses on the removal of PCBs in soil exceeding its Residential and Commercial Use SCO and containment of Site COCs remaining after excavation exceeding their respective Residential Use SCOs and/or ESCOs.
oRA-5 focuses on the removal of aApproximately 154,000 CY of surface and subsurface soils with PCB concentrations greater than the Residential and Commercial Use SCO of 1 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.

Example Items Eliminated through Screening Process

Other Notes and References

Personnel Transportation

Participant	Number of Roundtrips to Site	Roundtrip Distance to Site (miles)	Mode of Transportation*	Transport Fuel Type*	Total Distance Transported (miles)	Default Fuel Usage Rate**	Fuel Usage Rate Override**	Fuel Used for Personnel Transport**	Activity or Notes
EHS Support Worker	271	5	Car	Gasoline	1355	25		54.2	
EHS Support Worker	38	1000	Airplane	Diesel	38000	45		844.4	
Contractor	271	5	Light-Duty/Passenger Truck	Gasoline	1355	18.9		71.7	
Contractor	271	5	Light-Duty/Passenger Truck	Gasoline	1355	18.9		71.7	

**** See the "Detailed Notes and Explanations" tab for explanation of transport and fuel options.***

***** for biodiesel, B20, diesel, and gasoline, units are gallons for Fuel Used and miles/gallon for Fuel Usage Rate; for natural gas, units are hundreds of cubic feet (ccf) for Fuel Used and ccf/miles for Fuel Usage Rate; for electricity, units are miles/kWh for Fuel Usage Rate and the kWh (Fuel Used) are added to total grid electricity used (cell G69).***

On-Site Equipment Use and Transportation

Equipment Type*	HP*	Load Factor (%)*	Equipment Fuel Type**	Equipment Fuel Usage Rate	Equipment Hours Operated	Fuel Used for On-site Equipment	Equipment weight (tons)	Number of Equipment Roundtrips to Site	Roundtrip Distance to Site (miles)	Total Distance Transported (miles)	Mode of Transportation	Transport Fuel Type***	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Equipment Transport (gallons)	Activity or Notes
Excavator - large (250 HP)	250	75%	Diesel between 75 and 750 hp	10.3021978	2050	21119.50549		1	50	50	Truck (mpg)	Diesel	6		8.3	
Loader (200 HP)	200	75%	Diesel between 75 and 750 hp	8.241758242	2050	16895.6044		1	50	50	Truck (mpg)	Diesel	6		8.3	

**** HP and Load Factor must be entered by user in Columns C and D. Please see the "Detailed Notes and Explanations" tab for further explanation.***

***** For biodiesel, B20, diesel, gasoline, and liquified petroleum gas, units are gallons for Fuel Used for On-site Equipment and gallons/hr for Equipment Fuel Usage Rate; for compressed natural gas units are ccf (hundreds of cubic feet) for Fuel Used for On-site Equipment and ccf/hr for Equipment Fuel Usage Rate.***

****** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation and other aspects of data entry in Columns M, N, and P. Units are gallons for Fuel Used for Equipment Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Input Worksheet for Input Template (4)

Remedy Component that this Input worksheet is part of:	Component 4	RA-5

On-Site Electricity Use

Equipment Type	HP	Load Factor (%)	Efficiency (%)	Electrical Rating (kW)	Hours Used	Energy Used (kWh)	Notes
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
					Estimated Total Electricity Usage Based on Above	0	
					Renewable Electricity Generated On-Site*		
					Total Electricity Usage Based on Personnel Transportation	0	
					Total Grid Electricity Used	0	

**** Electricity generated on-site from renewable resources, for which the facility retains the rights to the renewable energy (i.e., does not sell renewable energy certificates associated with the renewable energy generation).***

On-Site Natural Gas Use

Equipment Type	Power Rating (Btu/hr)	Efficiency (%)	Hours Used	Energy Required (Btu)	Natural Gas Used (ccf)	Notes
					0	
				0		
			Totals	0	0	0

Landfill Gas Combusted On-Site for Energy Use

Equipment Type	Landfill Gas (ccf)	% Methane by volume	Used for electricity?	Landfill Gas Methane Used (ccf)	Notes
				0	
				0	
				0	
			Total	0	

Please see the "Detailed Notes and Explanations" tab for instructions on using the two tables above ("On-site Natural Gas Use" and "Landfill Gas Combusted On-Site for Energy Use"). In the two tables above, ccf = hundreds of cubic feet.

Materials Use and Transportation

Material Type*	Unit	Quantity	Tons	Is the Material Refined or Unrefined?**	Material Source: Virgin, Recycled, or Reused?**	Calculate Item Footprint?**	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation***	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Materials Transport (gallons)	Notes and Description of Materials
Gravel/sand/clay	lb	487154200	243577.1	Refined	Virgin	Yes	25		14413	Yes	720642	Truck (mpg)	Diesel	6		120107.051	
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
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			0														
			0														
			0														
			0														
			0														
			0														

**** Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined Materials" in the dropdown menu.***

***** Selections must be made in Columns F - H in order for the footprint calculations to be performed. Please see the "Detailed Notes and Explanations" tab for further information.***

****** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns L, N, O, and Q. Units are gallons for Fuel Used for Materials Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Input Worksheet for Input Template (4)

Remedy Component that this Input worksheet is part of:	Component 4	RA-5

Waste Disposal and Transportation

Waste Destination*	Unit	Quantity	Tons	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation **	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Waste Transport (gallons)	Notes and Description of Waste
										Diesel				
										Diesel				
										Diesel				
Off-site non-hazardous waste landfill	tons	164291	164291	25	37	9721	Yes	719381	Truck (mpg)	Diesel	6		119896.8	
Off-site hazardous waste landfill	tons	35553	35553	500	1000	68	No	68000	Train (gptm)	Diesel	0.002150075		76441.6	
			0											
			0											
			0											
			0											
			0											
			0											
			0											

**** No footprint is calculated for the Recycled/Reused On-Site and Off-Site selections. Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined" selections in the dropdown menu.***

***** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns I, K, L, and N. Units are gallons for Fuel Used for Waste Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Type of Water Used

Source of Water Used*	Unit	Quantity	Tons	Source Location/Aquifer (optional)	Quality of Water Used (optional)	Water Uses (optional)	Fate of Used Water (optional)
Public Water	gal x 1000		0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				

**** Only the "Public Water" selection has an associated footprint. No footprint is calculated for the other water source selections.***

Note: Information entered in Columns F - V (Source/Quality/Use/Fate) is not compiled or reported by SEFA.

Input Worksheet for Input Template (4)

Remedy Component that this Input worksheet is part of:	Component 4	RA-5

Other Energy Use and Air Emissions

Item		Units	Quantity	Notes
On-Site				
User-defined on-site conventional energy use #1	*User-Defined	TBD		
User-defined on-site conventional energy use #2	*User-Defined	TBD		
On-site HAP process emissions**		lbs		
On-site GHG emissions**		lbs CO2e		
On-site carbon storage**		lbs CO2e		
Landfill gas flared on-site		ccf CH4		
Other on-site NOx emissions or reductions**		lbs		
Other on-site SOx emissions or reductions**		lbs		
Other on-site PM emissions or reductions**		lbs		
Transportation		**Units**	**Quantity**	**Notes**
User-defined conventional energy transportation #1	*User-Defined	TBD	10	
User-defined conventional energy transportation #2	*User-Defined	TBD		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Enter a positive number for emissions and a negative number for reductions, avoidances, or storage***
See the "Detailed Notes and Explanations" tab for use of this table.

Other Voluntary Renewable Energy Use

Item		Units	Quantity	Notes
User-defined on-site renewable energy use #1	*User-Defined	TBD		
User-defined on-site renewable energy use #2	*User-Defined	TBD		
User-defined renewable energy transportation #1	*User-Defined	TBD		
User-defined renewable energy transportation #2	*User-Defined	TBD		
Voluntary purchase of renewable electricity**		MWh		
Voluntary purchase of RECs**		MWh		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Complete information on provider in the table to the right. No footprint reductions are associated with the voluntary purchases.***
See the "Detailed Notes and Explanations" tab for use of this table

Off-Site Laboratory Analysis

Parameter and Notes	Number of Samples	Comments
Off-site Laboratory Analysis - Other	401	
Off-site Laboratory Analysis - Metals	401	
Off-site Laboratory Analysis - Mercury	401	
Off-site Laboratory Analysis - Alkalinity	401	
Off-site Laboratory Analysis - PCBs	401	
Off-site Laboratory Analysis - VOCs	401	
Off-site Laboratory Analysis - SVOCs	401	
Totals	**2807**	

Description of purchased renewable electricity (green pricing product or green marketing product)	Provider:	
	Type of product:	
	Type of renewable energy source:	
	Date of renewable system installation:	
Description of purchased RECs	Provider:	
	Type of renewable energy source:	
	Date of renewable system installation:	
	Location of renewable system installation:	

Input Worksheet for Input Template (5)

Please specify which Remedy Component this Input worksheet is part of: (Select "Off" to exclude this Input worksheet from calculations and results)	Component 5	RA-6

General Scope

RA-6 focuses on the removal of PCBs in soil to its Unrestricted Use SCO.
oRA-6 focuses on the removal of aApproximately 227,500 CY of surface and subsurface soils with PCB concentrations greater than the Unrestricted Use SCO of 0.1 mg/kg will be removed and disposed of off-site along with other collocated COCs. The excavated areas will be filled with clean backfill to existing land surface.
oNo additional remediation is required to address other COCs or ecological risk as all COCs will be removed to below the Unrestricted Use SCOs.

Example Items Eliminated through Screening Process

Other Notes and References

Personnel Transportation

Participant	Number of Roundtrips to Site	Roundtrip Distance to Site (miles)	Mode of Transportation*	Transport Fuel Type*	Total Distance Transported (miles)	Default Fuel Usage Rate**	Fuel Usage Rate Override**	Fuel Used for Personnel Transport**	Activity or Notes
EHS Support Worker	394	5	Car	Gasoline	1970	25		78.8	
EHS Support Worker	56	1000	Airplane	Diesel	56000	45		1244.4	
Contractor	394	5	Light-Duty/Passenger Truck	Gasoline	1970	18.9		104.2	
Contractor	394	5	Light-Duty/Passenger Truck	Gasoline	1970	18.9		104.2	

**** See the "Detailed Notes and Explanations" tab for explanation of transport and fuel options.***

***** for biodiesel, B20, diesel, and gasoline, units are gallons for Fuel Used and miles/gallon for Fuel Usage Rate; for natural gas, units are hundreds of cubic feet (ccf) for Fuel Used and ccf/miles for Fuel Usage Rate; for electricity, units are miles/kWh for Fuel Usage Rate and the kWh (Fuel Used) are added to total grid electricity used (cell G69).***

On-Site Equipment Use and Transportation

Equipment Type*	HP*	Load Factor (%)*	Equipment Fuel Type**	Equipment Fuel Usage Rate	Equipment Hours Operated	Fuel Used for On-site Equipment	Equipment weight (tons)	Number of Equipment Roundtrips to Site	Roundtrip Distance to Site (miles)	Total Distance Transported (miles)	Mode of Transportation	Transport Fuel Type***	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Equipment Transport (gallons)	Activity or Notes
Excavator - large (250 HP)	250	75%	Diesel between 75 and 750 hp	10.3021978	3033	31246.56593		1	50	50	Truck (mpg)	Diesel	6		8.3	
Loader (200 HP)	200	75%	Diesel between 75 and 750 hp	8.241758242	3033	24997.25275		1	50	50	Truck (mpg)	Diesel	6		8.3	

**** HP and Load Factor must be entered by user in Columns C and D. Please see the "Detailed Notes and Explanations" tab for further explanation.***

***** For biodiesel, B20, diesel, gasoline, and liquified petroleum gas, units are gallons for Fuel Used for On-site Equipment and gallons/hr for Equipment Fuel Usage Rate; for compressed natural gas units are ccf (hundreds of cubic feet) for Fuel Used for On-site Equipment and ccf/hr for Equipment Fuel Usage Rate.***

****** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation and other aspects of data entry in Columns M, N, and P. Units are gallons for Fuel Used for Equipment Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Input Worksheet for Input Template (5)

Remedy Component that this Input worksheet is part of:	Component 5	RA-6

On-Site Electricity Use

Equipment Type	HP	Load Factor (%)	Efficiency (%)	Electrical Rating (kW)	Hours Used	Energy Used (kWh)	Notes
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with HP, Efficiency, and Hours>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known kW rating>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
<Equip. with known total Energy Used>							
					Estimated Total Electricity Usage Based on Above	0	
					Renewable Electricity Generated On-Site*		
					Total Electricity Usage Based on Personnel Transportation	0	
					Total Grid Electricity Used	0	

**** Electricity generated on-site from renewable resources, for which the facility retains the rights to the renewable energy (i.e., does not sell renewable energy certificates associated with the renewable energy generation).***

On-Site Natural Gas Use

Equipment Type	Power Rating (Btu/hr)	Efficiency (%)	Hours Used	Energy Required (Btu)	Natural Gas Used (ccf)	Notes
					0	
				0		
			Totals	0	0	0

Landfill Gas Combusted On-Site for Energy Use

Equipment Type	Landfill Gas (ccf)	% Methane by volume	Used for electricity?	Landfill Gas Methane Used (ccf)	Notes
				0	
				0	
				0	
			Total	0	

Please see the "Detailed Notes and Explanations" tab for instructions on using the two tables above ("On-site Natural Gas Use" and "Landfill Gas Combusted On-Site for Energy Use"). In the two tables above, ccf = hundreds of cubic feet.

Materials Use and Transportation

Material Type*	Unit	Quantity	Tons	Is the Material Refined or Unrefined?**	Material Source: Virgin, Recycled, or Reused?**	Calculate Item Footprint?**	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation***	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Materials Transport (gallons)	Notes and Description of Materials
Gravel/sand/clay	lb	717347800	358673.9	Refined	Virgin	Yes	25		21223	Yes	1061165	Truck (mpg)	Diesel	6		176860.897	
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														
			0														

**** Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined Materials" in the dropdown menu.***

***** Selections must be made in Columns F - H in order for the footprint calculations to be performed. Please see the "Detailed Notes and Explanations" tab for further information.***

****** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns L, N, O, and Q. Units are gallons for Fuel Used for Materials Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Input Worksheet for Input Template (5)

Remedy Component that this Input worksheet is part of:	Component 5	RA-6

Waste Disposal and Transportation

Waste Destination*	Unit	Quantity	Tons	Default One-way Distance to Site (miles)	One-way Distance to Site Override (miles)	Number of One-way Trips to Site	Include Return Trip in Calculations?	Total Distance Transported (miles)	Mode of Transportation **	Transport Fuel Type	Default Transport Fuel Usage Rate (gptm or mpg)	Transport Fuel Usage Rate Override (gptm or mpg)	Fuel Used for Waste Transport (gallons)	Notes and Description of Waste
										Diesel				
										Diesel				
		0	0			0				Diesel				
Off-site non-hazardous waste landfill	tons	260204	260204	25	37	15397	Yes	1139355	Truck (mpg)	Diesel	6		189892.5	
Off-site hazardous waste landfill	tons	35553	35553	500	1000	68	No	68000	Train (gptm)	Diesel	0.002150075		76441.6	
			0											
			0											
			0											
			0											
			0											
			0											
			0											

**** No footprint is calculated for the Recycled/Reused On-Site and Off-Site selections. Please see the "Detailed Notes and Explanations" tab for instructions on specifying "User-Defined" selections in the dropdown menu.***

***** Please see the "Detailed Notes and Explanations" tab for instructions on selecting mode of transportation, accounting for empty return trips, and other aspects of data entry in Columns I, K, L, and N. Units are gallons for Fuel Used for Waste Transport and miles/gallon (mpg) or gallons per ton-mile (gptm) for Transport Fuel Usage Rate.***

Type of Water Used

Source of Water Used*	Unit	Quantity	Tons	Source Location/Aquifer (optional)	Quality of Water Used (optional)	Water Uses (optional)	Fate of Used Water (optional)
Public Water	gal x 1000		0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				
			0				

**** Only the "Public Water" selection has an associated footprint. No footprint is calculated for the other water source selections.***

Note: Information entered in Columns F - V (Source/Quality/Use/Fate) is not compiled or reported by SEFA.

Input Worksheet for Input Template (5)

Remedy Component that this Input worksheet is part of:	Component 5	RA-6

Other Energy Use and Air Emissions

Item		Units	Quantity	Notes
On-Site				
User-defined on-site conventional energy use #1	*User-Defined	TBD		
User-defined on-site conventional energy use #2	*User-Defined	TBD		
On-site HAP process emissions**		lbs		
On-site GHG emissions**		lbs CO2e		
On-site carbon storage**		lbs CO2e		
Landfill gas flared on-site		ccf CH4		
Other on-site NOx emissions or reductions**		lbs		
Other on-site SOx emissions or reductions**		lbs		
Other on-site PM emissions or reductions**		lbs		
Transportation		**Units**	**Quantity**	**Notes**
User-defined conventional energy transportation #1	*User-Defined	TBD	10	
User-defined conventional energy transportation #2	*User-Defined	TBD		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Enter a positive number for emissions and a negative number for reductions, avoidances, or storage***
See the "Detailed Notes and Explanations" tab for use of this table.

Other Voluntary Renewable Energy Use

Item		Units	Quantity	Notes
User-defined on-site renewable energy use #1	*User-Defined	TBD		
User-defined on-site renewable energy use #2	*User-Defined	TBD		
User-defined renewable energy transportation #1	*User-Defined	TBD		
User-defined renewable energy transportation #2	*User-Defined	TBD		
Voluntary purchase of renewable electricity**		MWh		
Voluntary purchase of RECs**		MWh		

**** Enter units and conversion factors on "User Defined Factors" tab***
***** Complete information on provider in the table to the right. No footprint reductions are associated with the voluntary purchases.***
See the "Detailed Notes and Explanations" tab for use of this table

Off-Site Laboratory Analysis

Parameter and Notes	Number of Samples	Comments
Off-site Laboratory Analysis - Other	593	
Off-site Laboratory Analysis - Metals	593	
Off-site Laboratory Analysis - Mercury	593	
Off-site Laboratory Analysis - Alkalinity	593	
Off-site Laboratory Analysis - PCBs	593	
Off-site Laboratory Analysis - VOCs	593	
Off-site Laboratory Analysis - SVOCs	593	
Totals	**4151**	

Description of purchased renewable electricity (green pricing product or green marketing product)	Provider:	
	Type of product:	
	Type of renewable energy source:	
	Date of renewable system installation:	
Description of purchased RECs	Provider:	
	Type of renewable energy source:	
	Date of renewable system installation:	
	Location of renewable system installation:	

RA-2 - On-Site Footprint (Scope 1)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
On-Site														
On-site Renewable Energy														
Renewable electricity generated on-site	MWh	0	3.413	0										
Landfill gas combusted on-site for energy use	ccf CH4	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined on-site renewable energy use #1	gal	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined on-site renewable energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
On-site Conventional Energy														
On-site grid electricity	MWh	0	3.413	0										
On-site diesel use - Other	Gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	Gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	Gal	6768.544	0.139	940.8276	22.24	150532.4	0.101	683.6229	0.00013	0.879911	0.009	60.9169	0.00004	0.270742
On-site diesel use >750 hp	Gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
On-site gasoline use - Other	Gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	Gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	Gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site compressed natural gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed natural gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site liquified petroleum gas use - Other	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Other forms of on-site conventional energy use #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of on-site conventional energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Conventional Energy Subtotals				**941**		**150,532**		**684**		**1**		**61**		**0**
Notes:														

Other On-site Emissions														
On-site HAP process emissions	lbs	0											1	0
On-site GHG emissions	lbs CO2e	0			1	0								
On-site carbon storage	lbs CO2e	0			1	0								
GHG avoided by flaring on-site landfill methane	Lbs	0			-262	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Other on-site NOx emissions or reductions	lbs	0					1	0						
Other on-site SOx emissions or reductions	lbs	0							1	0				
Other on-site PM emissions or reductions	lbs	0									1	0		
User-defined recycled/reused on-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused on-site #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
On-site Totals				**940.83**		**150,532**		**684**		**1**		**61**		**0**

RA-2 - Electricity Generation Footprint (Scope 2)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Electricity Generation														
Grid electricity	MWh	0	6.929	0	1124.3	0	2.2421	0	4.607887	0	0.057518	0	0.210237	0
Voluntary purchase of renewable electricity	MWh	0												
Voluntary purchase of RECs	MWh	0												
Notes:														

RA-2 - Transportation Footprint (Scope 3a)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Conventional Energy														
Transportation diesel use	gal	122421.2	0.139	17016.55	22.5	2754478	0.17	20811.61	0.0054	661.0746	0.0034	416.2322	5.2E-06	0.63659
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	18.2	0.124	2.2568	19.77	359.814	0.027	0.4914	0.00036	0.006552	0.003	0.0546	0.0067	0.12194
Transportation gasoline use - passenger truck	gal	48.2	0.124	5.9768	19.79	953.878	0.035	1.687	0.00036	0.017352	0.003	0.1446	0.00661	0.318602
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
User-defined conventional energy transportation #1	TBD	10	0	0	0	0	0	0	0	0	0	0	0	0
User-defined conventional energy transportation #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Conventional Energy Subtotals				**17,025**		**2,755,791**		**20,814**		**661**		**416**		**1**
Notes:														
Renewable Energy														
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined renewable energy transportation #1	TBD	0	Biodiesel		0	0	0	0	0	0	0	0	Ref.	
User-defined renewable energy transportation #2	TBD	0	mpg or pmp		0	0	0	0	0	0	0	0	0	0
Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Transportation Totals				**17025**		**2755791**		**20814**		**661**		**416**		**1**

RA-2 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Construction Materials														
Aluminum, Rolled Sheet	lb	0	0.0633	0	9.15	0	0.0148	0	0.0283	0	0.0088	0	0.00102	0
Asphalt, mastic	lb	0	0.0412	0	0.85	0	0.00271	0	0.00798	0	0.000766	0	0.00107	0
Asphalt, paving-grade	lb	0	0.5	0	8.58	0	0.0299	0	0.0969	0	0.0091	0	0.0133	0
Ethanol, Corn, 95%	lb	0	0.0318	0	-0.0199	0	0.00425	0	0.00303	0	0.000469	0	8.46E-05	0
Ethanol, Corn, 99.7%	lb	0	0.0324	0	0.0591	0	0.00431	0	0.0031	0	0.000472	0	0.000087	0
Ethanol, Petroleum, 99.7%	lb	0	0.0205	0	1.25	0	0.00199	0	0.00214	0	0.000277	0	5.89E-05	0
Gravel/Sand Mix, 65% Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Gravel/sand/clay	lb	1.85E+08	0.000028	5184.598	0.00335	620300.1	1.65E-05	3055.209	0.000015	2777.463	0.000002	370.3284	2.05E-10	0.037959
HDPE	lb	0	0.0332	0	1.94	0	0.00325	0	0.00409	0	0.000439	0	6.41E-05	0
Photovoltaic system (installed)	W	0	0.0336	0	4.47	0	0.015	0	0.032	0	0.00063	0	2.9E-06	0
PVC	lb	0	0.0262	0	2.02	0	0.004	0	0.00274	0	0.000372	0	0.000375	0
Portland cement, US average	lb	0	0.0139	0	1.34	0	0.00654	0	0.0104	0	0.00378	0	0.00097	0
Ready-mixed concrete, 20 MPa	ft3	0	0.217	0	19.5	0	0.0975	0	0.154	0	0.057	0	0.0141	0
Round Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Sand	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Stainless Steel	lb	0	0.0116	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.000144	0
Steel	lb	0	0.0044	0	1.1	0	0.0014	0	0.0017	0	0.00056	0	0.000067	0
Other refined construction materials	lb	0	0.01885	0	2.115	0	0.004038	0	0.005133	0	0.001443	0	0.000163	0
Other unrefined construction materials	lb	0	0.000028	0	0.00335	0	1.65E-05	0	0.000015	0	0.000002	0	2.05E-10	0

Notes:

RA-2 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Treatment Materials & Chemicals														
Cheese Whey	lbs	0	0.0025	0	0.031	0	0.000062	0	0.000033	0	0.000002	0	NP	
Emulsified vegetable oil	lbs	0	0.0077	0	3.44	0	0.0066	0	0.0019	0	0.000033	0	NP	
Granular activated carbon, primary	lbs	0	0.0356	0	4.82	0	0.0793	0	0.128	0	0.000987	0	0.000657	0
Granular activated carbon, regenerated	lbs	0	0.00873	0	1.7	0	0.00733	0	0.0129	0	0.000886	0	0.000671	0
Hydrogen Peroxide, 50% in H2O	lbs	0	0.00979	0	1.19	0	0.00142	0	0.0024	0	0.000308	0	6.29E-05	0
Iron (II) Sulfate	lbs	0	0.00147	0	0.167	0	0.000316	0	0.000589	0	0.000103	0	0.000023	0
Lime, Hydrated, Packed	lbs	0	0.00206	0	0.762	0	0.000513	0	0.000358	0	0.00013	0	6.57E-06	0
Molasses	lbs	0	0.0044	0	0.48	0	0.0011	0	0.00024	0	4.1E-06	0	NP	
Phosphoric Acid, 70% in H2O	lbs	0	0.0067	0	0.882	0	0.00282	0	0.0294	0	0.00171	0	0.000163	0
Potassium Permanganate	lbs	0	0.00981	0	1.16	0	0.00234	0	0.0032	0	0.000422	0	0.000122	0
Sodium Hydroxide, 50% in H2O	lbs	0	0.00977	0	1.09	0	0.00194	0	0.00352	0	0.000403	0	0.000129	0
Other Treatment Chemicals & Materials	lbs	0	0.015	0	1.67	0	0.003	0	0.0065	0	0.00061	0	0.000016	0
Notes:														
Fuel Processing														
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Diesel produced	gal	129189.8	0.017	2196.226	3.02	390153.1	0.0051	658.8678	0.0062	800.9766	0.0017	219.6226	0.0011	142.1087
Gasoline produced	gal	66.4	0.033	2.1912	2.8	185.92	0.0046	0.30544	0.005	0.332	0.0015	0.0996	0.001	0.0664
Liquefied Petroleum Gas Produced	gal	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Natural Gas - Compressed Produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Natural Gas Produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Fuel Processing Subtotals				**2198.417**		**390339**		**659.1733**		**801.3086**		**219.7222**		**142.1751**
Notes:														
Public water	gal x 1000	0	0.0092	0	5	0	0.0097	0	0.0059	0	0.016	0	0.000015	0
User-defined water resource #1	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined water resource #2	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														

RA-2 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Off-Site Services														
Hazardous waste incineration	lb	0	0.00609	0	2.43	0	0.0016	0	0.00167	0	0.000209	0	0.000087	0
Off-site waste water treatment (POTW)	gal x 1000	0	0.015	0	4.4	0	0.016	0	0.015	0	NP		NP	
Off-site non-hazardous waste landfill	ton	0	0.16	0	25	0	0.14	0	0.075	0	0.4	0	0.0014	0
Off-site hazardous waste landfill	ton	35553	0.18	6399.54	27.5	977707.5	0.154	5475.162	0.0825	2933.123	0.44	15643.32	0.00154	54.75162
Off-site Laboratory Analysis - Other	sample	72	0.058071	4.181114	6.853438	493.4476	0.131402	9.460941	0.303876	21.87906	0.04557	3.281027	0.033017	2.37719
Off-site Laboratory Analysis - Metals	sample	72	0.212	15.264	27.4693	1977.79	0.6423	46.2456	1.5072	108.5184	0.2264	16.3008	0.1643	11.8296
Off-site Laboratory Analysis - Mercury	sample	72	0.073171	5.268346	9.325458	671.433	0.212744	15.31756	0.49824	35.87325	0.074736	5.380988	0.054233	3.904788
Off-site Laboratory Analysis - Inorganic Anions	sample	0	0.007402	0	0.645948	0	0.006768	0	0.014793	0	0.002202	0	0.001554	0
Off-site Laboratory Analysis - Alkalinity	sample	72	0.01744	1.255668	1.338192	96.34984	0.007011	0.504765	0.01325	0.953975	0.00194	0.139683	0.001283	0.092382
Off-site Laboratory Analysis - Perchlorate	sample	0	0.023885	0	1.871705	0	0.007981	0	0.014154	0	0.002055	0	0.001287	0
Off-site Laboratory Analysis - Nitrogen/Nitrate	sample	0	0.033648	0	4.29897	0	0.095459	0	0.222665	0	0.03351	0	0.024251	0
Off-site Laboratory Analysis - Sulfate	sample	0	0.014122	0	1.472673	0	0.007981	0	0.013602	0	0.00198	0	0.001202	0
Off-site Laboratory Analysis - PCBs	sample	72	0.051277	3.691937	5.224902	376.1929	0.083334	6.000039	0.190477	13.71438	0.028439	2.047632	0.021208	1.526994
Off-site Laboratory Analysis - VOCs	sample	72	0.076204	5.486723	9.016814	649.2106	0.104498	7.523859	0.227074	16.34931	0.033951	2.44446	0.023589	1.698424
Off-site Laboratory Analysis - SVOCs	sample	72	0.07156	5.152333	7.870422	566.6704	0.145945	10.50801	0.337304	24.28587	0.050485	3.634944	0.037258	2.682557
Notes:														
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Extraction Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	112.43	0	0.22421	0	0.460789	0	0.005752	0	0.021024	0
Notes:														

RA-2 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
User-defined Materials														
User-defined material #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #4	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #5	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #6	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #7	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #8	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #9	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #10	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #11	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #12	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #13	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #14	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #15	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #16	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #17	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #18	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #19	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #20	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
User-defined Waste Destinations														
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #3	TBD	0	y(MMBtu/u		(lbs CO2e/u		Ox(lbs/unit)		Ox(lbs/unit)		M(lbs/unit)		APs(lbs/unit	
User-defined non-hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
Off-site Totals				**13822.85**		**1993178**		**9285.105**		**6733.468**		**16266.6**		**221.0767**

RA-2 - Intermediate Totals

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Total Grid Electricity Footprint														
On-site grid electricity	MWh	0	3.413	0										
Electricity Generation														
Grid electricity	MWh	0	6.929	0	1124.3	0	2.2421	0	4.607887	0	0.057518	0	0.210237	0
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	112.43	0	0.22421	0	0.460789	0	0.005752	0	0.021024	0
Total Grid Electricity Footprint				**0**		**0**		**0**		**0**		**0**		**0**
Total Fuel Footprints														
Total Gasoline Footprint														
On-site gasoline use - Other	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	18.2	0.124	2.2568	19.77	359.814	0.027	0.4914	0.00036	0.006552	0.003	0.0546	0.0067	0.12194
Transportation gasoline use - passenger truck	gal	48.2	0.124	5.9768	19.79	953.878	0.035	1.687	0.00036	0.017352	0.003	0.1446	0.00661	0.318602
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Gasoline produced	gal	66.4	0.033	2.1912	2.8	185.92	0.0046	0.30544	0.005	0.332	0.0015	0.0996	0.001	0.0664
Total Gasoline Footprint		**66.4**		**10.4248**		**1499.612**		**2.48384**		**0.355904**		**0.2988**		**0.506942**
Total Diesel Footprint														
On-site diesel use - Other	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	gal	6768.544	0.139	940.8276	22.24	150532.4	0.101	683.6229	0.00013	0.879911	0.009	60.9169	0.00004	0.270742
On-site diesel use >750 hp	gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
Transportation diesel use	gal	122421.2	0.139	17016.55	22.5	2754478	0.17	20811.61	0.0054	661.0746	0.0034	416.2322	5.2E-06	0.63659
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Diesel produced	gal	129189.8	0.017	2196.226	3.02	390153.1	0.0051	658.8678	0.0062	800.9766	0.0017	219.6226	0.0011	142.1087

Total Diesel Footprint		**129189.8**		**20153.6**		**3295163**		**22154.1**		**1462.931**		**696.7717**		**143.0161**
Total Biodiesel Footprint														
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Total Biodiesel Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Natural Gas Footprint														
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Natural gas produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Liquified Petroleum Gas Footprint														
On-site liquified petroleum gas use - Other	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Liquified petroleum gas produced	ccf	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Compressed Gas Footprint														
On-site compressed gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
Compressed gas produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Notes:														

Note: Please refer to the "Default Conversions" tab for references for the default conversion factors used on this calculation sheet.

Space below available for notes and calculations:

RA-3 - On-Site Footprint (Scope 1)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
On-Site														
On-site Renewable Energy														
Renewable electricity generated on-site	MWh	0	3.413	0										
Landfill gas combusted on-site for energy use	ccf CH4	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined on-site renewable energy use #1	gal	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined on-site renewable energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
On-site Conventional Energy														
On-site grid electricity	MWh	0	3.413	0										
On-site diesel use - Other	Gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	Gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	Gal	8585.852	0.139	1193.433	22.24	190949.3	0.101	867.171	0.00013	1.116161	0.009	77.27266	0.00004	0.343434
On-site diesel use >750 hp	Gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
On-site gasoline use - Other	Gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	Gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	Gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site compressed natural gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed natural gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site liquified petroleum gas use - Other	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Other forms of on-site conventional energy use #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of on-site conventional energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Conventional Energy Subtotals				**1,193**		**190,949**		**867**		**1**		**77**		**0**
Notes:														
Other On-site Emissions														
On-site HAP process emissions	lbs	0											1	0
On-site GHG emissions	lbs CO2e	0			1	0								
On-site carbon storage	lbs CO2e	0			1	0								
GHG avoided by flaring on-site landfill methane	Lbs	0			-262	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Other on-site NOx emissions or reductions	lbs	0					1	0						
Other on-site SOx emissions or reductions	lbs	0							1	0				

Other on-site PM emissions or reductions	lbs	0									1	0		
User-defined recycled/reused on-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused on-site #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
On-site Totals				**1,193.43**		**190,949**		**867**		**1**		**77**		**0**

RA-3 - Electricity Generation Footprint (Scope 2)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Electricity Generation														
Grid electricity	MWh	0	6.929	0	352	0	1.504	0	1.46966	0	0.07546	0	0.045403	0
Voluntary purchase of renewable electricity	MWh	0												
Voluntary purchase of RECs	MWh	0												
Notes:														

RA-3 - Transportation Footprint (Scope 3a)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Conventional Energy														
Transportation diesel use	gal	134794	0.139	18736.36	22.5	3032864	0.17	22914.97	0.0054	727.8874	0.0034	458.2994	5.2E-06	0.700929
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	20.6	0.124	2.5544	19.77	407.262	0.027	0.5562	0.00036	0.007416	0.003	0.0618	0.0067	0.13802
Transportation gasoline use - passenger truck	gal	54.4	0.124	6.7456	19.79	1076.576	0.035	1.904	0.00036	0.019584	0.003	0.1632	0.00661	0.359584
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
User-defined conventional energy transportation #1	TBD	10	0	0	0	0	0	0	0	0	0	0	0	0
User-defined conventional energy transportation #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Conventional Energy Subtotals				**18,746**		**3,034,348**		**22,917**		**728**		**459**		**1**
Notes:														
Renewable Energy														
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined renewable energy transportation #1	TBD	0	Biodiesel		0	0	0	0	0	0	0	0	Ref.	
User-defined renewable energy transportation #2	TBD	0	mpg or pmp		0	0	0	0	0	0	0	0	0	0
Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Transportation Totals				**18746**		**3034348**		**22917**		**728**		**459**		**1**

RA-3 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Construction Materials														
Aluminum, Rolled Sheet	lb	0	0.0633	0	9.15	0	0.0148	0	0.0283	0	0.0088	0	0.00102	0
Asphalt, mastic	lb	0	0.0412	0	0.85	0	0.00271	0	0.00798	0	0.000766	0	0.00107	0
Asphalt, paving-grade	lb	0	0.5	0	8.58	0	0.0299	0	0.0969	0	0.0091	0	0.0133	0
Ethanol, Corn, 95%	lb	0	0.0318	0	-0.0199	0	0.00425	0	0.00303	0	0.000469	0	8.46E-05	0
Ethanol, Corn, 99.7%	lb	0	0.0324	0	0.0591	0	0.00431	0	0.0031	0	0.000472	0	0.000087	0
Ethanol, Petroleum, 99.7%	lb	0	0.0205	0	1.25	0	0.00199	0	0.00214	0	0.000277	0	5.89E-05	0
Gravel/Sand Mix, 65% Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Gravel/sand/clay	lb	2.07E+08	0.000028	5791.531	0.00335	692915.3	1.65E-05	3412.867	0.000015	3102.606	0.000002	413.6808	2.05E-10	0.042402
HDPE	lb	0	0.0332	0	1.94	0	0.00325	0	0.00409	0	0.000439	0	6.41E-05	0
Photovoltaic system (installed)	W	0	0.0336	0	4.47	0	0.015	0	0.032	0	0.00063	0	2.9E-06	0
PVC	lb	0	0.0262	0	2.02	0	0.004	0	0.00274	0	0.000372	0	0.000375	0
Portland cement, US average	lb	0	0.0139	0	1.34	0	0.00654	0	0.0104	0	0.00378	0	0.00097	0
Ready-mixed concrete, 20 MPa	ft3	0	0.217	0	19.5	0	0.0975	0	0.154	0	0.057	0	0.0141	0
Round Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Sand	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Stainless Steel	lb	0	0.0116	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.000144	0
Steel	lb	0	0.0044	0	1.1	0	0.0014	0	0.0017	0	0.00056	0	0.000067	0
Other refined construction materials	lb	0	0.01885	0	2.115	0	0.004038	0	0.005133	0	0.001443	0	0.000163	0
Other unrefined construction materials	lb	0	0.000028	0	0.00335	0	1.65E-05	0	0.000015	0	0.000002	0	2.05E-10	0

Notes:

RA-3 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Treatment Materials & Chemicals														
Cheese Whey	lbs	0	0.0025	0	0.031	0	0.000062	0	0.000033	0	0.000002	0	NP	
Emulsified vegetable oil	lbs	0	0.0077	0	3.44	0	0.0066	0	0.0019	0	0.000033	0	NP	
Granular activated carbon, primary	lbs	0	0.0356	0	4.82	0	0.0793	0	0.128	0	0.000987	0	0.000657	0
Granular activated carbon, regenerated	lbs	0	0.00873	0	1.7	0	0.00733	0	0.0129	0	0.000886	0	0.000671	0
Hydrogen Peroxide, 50% in H2O	lbs	0	0.00979	0	1.19	0	0.00142	0	0.0024	0	0.000308	0	6.29E-05	0
Iron (II) Sulfate	lbs	0	0.00147	0	0.167	0	0.000316	0	0.000589	0	0.000103	0	0.000023	0
Lime, Hydrated, Packed	lbs	0	0.00206	0	0.762	0	0.000513	0	0.000358	0	0.00013	0	6.57E-06	0
Molasses	lbs	0	0.0044	0	0.48	0	0.0011	0	0.00024	0	4.1E-06	0	NP	
Phosphoric Acid, 70% in H2O	lbs	0	0.0067	0	0.882	0	0.00282	0	0.0294	0	0.00171	0	0.000163	0
Potassium Permanganate	lbs	0	0.00981	0	1.16	0	0.00234	0	0.0032	0	0.000422	0	0.000122	0
Sodium Hydroxide, 50% in H2O	lbs	0	0.00977	0	1.09	0	0.00194	0	0.00352	0	0.000403	0	0.000129	0
Other Treatment Chemicals & Materials	lbs	0	0.015	0	1.67	0	0.003	0	0.0065	0	0.00061	0	0.000016	0
Notes:														
Fuel Processing														
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Diesel produced	gal	143379.8	0.017	2437.457	3.02	433007	0.0051	731.237	0.0062	888.9548	0.0017	243.7457	0.0011	157.7178
Gasoline produced	gal	75	0.033	2.475	2.8	210	0.0046	0.345	0.005	0.375	0.0015	0.1125	0.001	0.075
Liquefied Petroleum Gas Produced	gal	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Natural Gas - Compressed Produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Natural Gas Produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Fuel Processing Subtotals				**2439.932**		**433217**		**731.582**		**889.3298**		**243.8582**		**157.7928**
Notes:														
Public water	gal x 1000	0	0.0092	0	5	0	0.0097	0	0.0059	0	0.016	0	0.000015	0
User-defined water resource #1	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined water resource #2	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														

RA-3 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Off-Site Services														
Hazardous waste incineration	lb	0	0.00609	0	2.43	0	0.0016	0	0.00167	0	0.000209	0	0.000087	0
Off-site waste water treatment (POTW)	gal x 1000	0	0.015	0	4.4	0	0.016	0	0.015	0	NP		NP	
Off-site non-hazardous waste landfill	ton	9570	0.16	1531.2	25	239250	0.14	1339.8	0.075	717.75	0.4	3828	0.0014	13.398
Off-site hazardous waste landfill	ton	35553	0.18	6399.54	27.5	977707.5	0.154	5475.162	0.0825	2933.123	0.44	15643.32	0.00154	54.75162
Off-site Laboratory Analysis - Other	sample	91	0.058071	5.284464	6.853438	623.6629	0.131402	11.95758	0.303876	27.65269	0.04557	4.146854	0.033017	3.004504
Off-site Laboratory Analysis - Metals	sample	91	0.212	19.292	27.4693	2499.706	0.6423	58.4493	1.5072	137.1552	0.2264	20.6024	0.1643	14.9513
Off-site Laboratory Analysis - Mercury	sample	91	0.073171	6.658604	9.325458	848.6167	0.212744	19.35969	0.49824	45.3398	0.074736	6.800971	0.054233	4.935218
Off-site Laboratory Analysis - Inorganic Anions	sample	0	0.007402	0	0.645948	0	0.006768	0	0.014793	0	0.002202	0	0.001554	0
Off-site Laboratory Analysis - Alkalinity	sample	91	0.01744	1.587025	1.338192	121.7755	0.007011	0.637967	0.01325	1.205718	0.00194	0.176544	0.001283	0.11676
Off-site Laboratory Analysis - Perchlorate	sample	0	0.023885	0	1.871705	0	0.007981	0	0.014154	0	0.002055	0	0.001287	0
Off-site Laboratory Analysis - Nitrogen/Nitrate	sample	0	0.033648	0	4.29897	0	0.095459	0	0.222665	0	0.03351	0	0.024251	0
Off-site Laboratory Analysis - Sulfate	sample	0	0.014122	0	1.472673	0	0.007981	0	0.013602	0	0.00198	0	0.001202	0
Off-site Laboratory Analysis - PCBs	sample	91	0.051277	4.666198	5.224902	475.4661	0.083334	7.583383	0.190477	17.33345	0.028439	2.58798	0.021208	1.929951
Off-site Laboratory Analysis - VOCs	sample	91	0.076204	6.934608	9.016814	820.5301	0.104498	9.509322	0.227074	20.66372	0.033951	3.089526	0.023589	2.146619
Off-site Laboratory Analysis - SVOCs	sample	91	0.07156	6.511977	7.870422	716.2084	0.145945	13.28095	0.337304	30.69465	0.050485	4.594166	0.037258	3.390454
Notes:														
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Extraction Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	35.2	0	0.1504	0	0.146966	0	0.007546	0	0.00454	0
Notes:														

RA-3 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
User-defined Materials														
User-defined material #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #4	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #5	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #6	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #7	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #8	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #9	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #10	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #11	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #12	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #13	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #14	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #15	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #16	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #17	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #18	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #19	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
User-defined Waste Destinations														
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #3	TBD	0	y(MMBtu/u		(lbs CO2e/u		Ox(lbs/unit)		Ox(lbs/unit)		M(lbs/unit)		APs(lbs/unit	
User-defined non-hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
Off-site Totals				**16213.14**		**2349196**		**11080.19**		**7922.854**		**20170.86**		**256.4596**

RA-3 - Intermediate Totals

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Total Grid Electricity Footprint														
On-site grid electricity	MWh	0	3.413	0										
Electricity Generation														
Grid electricity	MWh	0	6.929	0	1124.3	0	2.2421	0	4.607887	0	0.057518	0	0.210237	0
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	112.43	0	0.22421	0	0.460789	0	0.005752	0	0.021024	0
Total Grid Electricity Footprint				**0**		**0**		**0**		**0**		**0**		**0**
Total Fuel Footprints														
Total Gasoline Footprint														
On-site gasoline use - Other	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	20.6	0.124	2.5544	19.77	407.262	0.027	0.5562	0.00036	0.007416	0.003	0.0618	0.0067	0.13802
Transportation gasoline use - passenger truck	gal	54.4	0.124	6.7456	19.79	1076.576	0.035	1.904	0.00036	0.019584	0.003	0.1632	0.00661	0.359584
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Gasoline produced	gal	75	0.033	2.475	2.8	210	0.0046	0.345	0.005	0.375	0.0015	0.1125	0.001	0.075
Total Gasoline Footprint		**75**		**11.775**		**1693.838**		**2.8052**		**0.402**		**0.3375**		**0.572604**
Total Diesel Footprint														
On-site diesel use - Other	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	gal	8585.852	0.139	1193.433	22.24	190949.3	0.101	867.171	0.00013	1.116161	0.009	77.27266	0.00004	0.343434
On-site diesel use >750 hp	gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
Transportation diesel use	gal	134794	0.139	18736.36	22.5	3032864	0.17	22914.97	0.0054	727.8874	0.0034	458.2994	5.2E-06	0.700929
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Diesel produced	gal	143379.8	0.017	2437.457	3.02	433007	0.0051	731.237	0.0062	888.9548	0.0017	243.7457	0.0011	157.7178

Total Diesel Footprint		**143379.8**		**22367.25**		**3656820**		**24513.38**		**1617.958**		**779.3178**		**158.7621**
Total Biodiesel Footprint														
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Total Biodiesel Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Natural Gas Footprint														
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Natural gas produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Liquified Petroleum Gas Footprint														
On-site liquified petroleum gas use - Other	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Liquified petroleum gas produced	ccf	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Compressed Gas Footprint														
On-site compressed gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
Compressed gas produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Notes:														

Note: Please refer to the "Default Conversions" tab for references for the default conversion factors used on this calculation sheet.

Space below available for notes and calculations:

RA-4 - On-Site Footprint (Scope 1)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
On-Site														
On-site Renewable Energy														
Renewable electricity generated on-site	MWh	0	3.413	0										
Landfill gas combusted on-site for energy use	ccf CH4	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined on-site renewable energy use #1	gal	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined on-site renewable energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
On-site Conventional Energy														
On-site grid electricity	MWh	0	3.413	0										
On-site diesel use - Other	Gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	Gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	Gal	15743.82	0.139	2188.391	22.24	350142.5	0.101	1590.126	0.00013	2.046696	0.009	141.6944	0.00004	0.629753
On-site diesel use >750 hp	Gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
On-site gasoline use - Other	Gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	Gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	Gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site compressed natural gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed natural gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site liquified petroleum gas use - Other	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Other forms of on-site conventional energy use #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of on-site conventional energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Conventional Energy Subtotals				**2,188**		**350,143**		**1,590**		**2**		**142**		**1**
Notes:														
Other On-site Emissions														
On-site HAP process emissions	lbs	0											1	0
On-site GHG emissions	lbs CO2e	0			1	0								
On-site carbon storage	lbs CO2e	0			1	0								
GHG avoided by flaring on-site landfill methane	Lbs	0			-262	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Other on-site NOx emissions or reductions	lbs	0					1	0						
Other on-site SOx emissions or reductions	lbs	0							1	0				

Other on-site PM emissions or reductions	lbs	0									1	0		
User-defined recycled/reused on-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused on-site #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
On-site Totals				**2,188.39**		**350,143**		**1,590**		**2**		**142**		**1**

RA-4 - Electricity Generation Footprint (Scope 2)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Electricity Generation														
Grid electricity	MWh	0	6.929	0	352	0	1.504	0	1.46966	0	0.07546	0	0.045403	0
Voluntary purchase of renewable electricity	MWh	0												
Voluntary purchase of RECs	MWh	0												

Notes:

RA-4 - Transportation Footprint (Scope 3a)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Conventional Energy														
Transportation diesel use	gal	173672.3	0.139	24140.45	22.5	3907626	0.17	29524.29	0.0054	937.8303	0.0034	590.4857	5.2E-06	0.903096
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	30.2	0.124	3.7448	19.77	597.054	0.027	0.8154	0.00036	0.010872	0.003	0.0906	0.0067	0.20234
Transportation gasoline use - passenger truck	gal	79.8	0.124	9.8952	19.79	1579.242	0.035	2.793	0.00036	0.028728	0.003	0.2394	0.00661	0.527478
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
User-defined conventional energy transportation #1	TBD	10	0	0	0	0	0	0	0	0	0	0	0	0
User-defined conventional energy transportation #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Conventional Energy Subtotals				**24,154**		**3,909,802**		**29,528**		**938**		**591**		**2**
Notes:														
Renewable Energy														
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined renewable energy transportation #1	TBD	0	Biodiesel		0	0	0	0	0	0	0	0	Ref.	
User-defined renewable energy transportation #2	TBD	0	mpg or pmp		0	0	0	0	0	0	0	0	0	0
Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Transportation Totals				**24154**		**3909802**		**29528**		**938**		**591**		**2**

RA-4 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Construction Materials														
Aluminum, Rolled Sheet	lb	0	0.0633	0	9.15	0	0.0148	0	0.0283	0	0.0088	0	0.00102	0
Asphalt, mastic	lb	0	0.0412	0	0.85	0	0.00271	0	0.00798	0	0.000766	0	0.00107	0
Asphalt, paving-grade	lb	0	0.5	0	8.58	0	0.0299	0	0.0969	0	0.0091	0	0.0133	0
Ethanol, Corn, 95%	lb	0	0.0318	0	-0.0199	0	0.00425	0	0.00303	0	0.000469	0	8.46E-05	0
Ethanol, Corn, 99.7%	lb	0	0.0324	0	0.0591	0	0.00431	0	0.0031	0	0.000472	0	0.000087	0
Ethanol, Petroleum, 99.7%	lb	0	0.0205	0	1.25	0	0.00199	0	0.00214	0	0.000277	0	5.89E-05	0
Gravel/Sand Mix, 65% Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Gravel/sand/clay	lb	2.53E+08	0.000028	7070.627	0.00335	845950	1.65E-05	4166.62	0.000015	3787.836	0.000002	505.0448	2.05E-10	0.051767
HDPE	lb	0	0.0332	0	1.94	0	0.00325	0	0.00409	0	0.000439	0	6.41E-05	0
Photovoltaic system (installed)	W	0	0.0336	0	4.47	0	0.015	0	0.032	0	0.00063	0	2.9E-06	0
PVC	lb	0	0.0262	0	2.02	0	0.004	0	0.00274	0	0.000372	0	0.000375	0
Portland cement, US average	lb	0	0.0139	0	1.34	0	0.00654	0	0.0104	0	0.00378	0	0.00097	0
Ready-mixed concrete, 20 MPa	ft3	0	0.217	0	19.5	0	0.0975	0	0.154	0	0.057	0	0.0141	0
Round Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Sand	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Stainless Steel	lb	0	0.0116	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.000144	0
Steel	lb	0	0.0044	0	1.1	0	0.0014	0	0.0017	0	0.00056	0	0.000067	0
Other refined construction materials	lb	0	0.01885	0	2.115	0	0.004038	0	0.005133	0	0.001443	0	0.000163	0
Other unrefined construction materials	lb	0	0.000028	0	0.00335	0	1.65E-05	0	0.000015	0	0.000002	0	2.05E-10	0

Notes:

RA-4 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Treatment Materials & Chemicals														
Cheese Whey	lbs	0	0.0025	0	0.031	0	0.000062	0	0.000033	0	0.000002	0	NP	
Emulsified vegetable oil	lbs	0	0.0077	0	3.44	0	0.0066	0	0.0019	0	0.000033	0	NP	
Granular activated carbon, primary	lbs	0	0.0356	0	4.82	0	0.0793	0	0.128	0	0.000987	0	0.000657	0
Granular activated carbon, regenerated	lbs	0	0.00873	0	1.7	0	0.00733	0	0.0129	0	0.000886	0	0.000671	0
Hydrogen Peroxide, 50% in H2O	lbs	0	0.00979	0	1.19	0	0.00142	0	0.0024	0	0.000308	0	6.29E-05	0
Iron (II) Sulfate	lbs	0	0.00147	0	0.167	0	0.000316	0	0.000589	0	0.000103	0	0.000023	0
Lime, Hydrated, Packed	lbs	0	0.00206	0	0.762	0	0.000513	0	0.000358	0	0.00013	0	6.57E-06	0
Molasses	lbs	0	0.0044	0	0.48	0	0.0011	0	0.00024	0	4.1E-06	0	NP	
Phosphoric Acid, 70% in H2O	lbs	0	0.0067	0	0.882	0	0.00282	0	0.0294	0	0.00171	0	0.000163	0
Potassium Permanganate	lbs	0	0.00981	0	1.16	0	0.00234	0	0.0032	0	0.000422	0	0.000122	0
Sodium Hydroxide, 50% in H2O	lbs	0	0.00977	0	1.09	0	0.00194	0	0.00352	0	0.000403	0	0.000129	0
Other Treatment Chemicals & Materials	lbs	0	0.015	0	1.67	0	0.003	0	0.0065	0	0.00061	0	0.000016	0
Notes:														
Fuel Processing														
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Diesel produced	gal	189416.1	0.017	3220.074	3.02	572036.6	0.0051	966.0221	0.0062	1174.38	0.0017	322.0074	0.0011	208.3577
Gasoline produced	gal	110	0.033	3.63	2.8	308	0.0046	0.506	0.005	0.55	0.0015	0.165	0.001	0.11
Liquefied Petroleum Gas Produced	gal	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Natural Gas - Compressed Produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Natural Gas Produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Fuel Processing Subtotals				**3223.704**		**572344.6**		**966.5281**		**1174.93**		**322.1724**		**208.4677**
Notes:														
Public water	gal x 1000	0	0.0092	0	5	0	0.0097	0	0.0059	0	0.016	0	0.000015	0
User-defined water resource #1	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined water resource #2	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														

RA-4 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Off-Site Services														
Hazardous waste incineration	lb	0	0.00609	0	2.43	0	0.0016	0	0.00167	0	0.000209	0	0.000087	0
Off-site waste water treatment (POTW)	gal x 1000	0	0.015	0	4.4	0	0.016	0	0.015	0	NP		NP	
Off-site non-hazardous waste landfill	ton	47228	0.16	7556.48	25	1180700	0.14	6611.92	0.075	3542.1	0.4	18891.2	0.0014	66.1192
Off-site hazardous waste landfill	ton	35553	0.18	6399.54	27.5	977707.5	0.154	5475.162	0.0825	2933.123	0.44	15643.32	0.00154	54.75162
Off-site Laboratory Analysis - Other	sample	167	0.058071	9.697862	6.853438	1144.524	0.131402	21.94413	0.303876	50.74725	0.04557	7.610161	0.033017	5.51376
Off-site Laboratory Analysis - Metals	sample	167	0.212	35.404	27.4693	4587.373	0.6423	107.2641	1.5072	251.7024	0.2264	37.8088	0.1643	27.4381
Off-site Laboratory Analysis - Mercury	sample	167	0.073171	12.21964	9.325458	1557.351	0.212744	35.52823	0.49824	83.20601	0.074736	12.4809	0.054233	9.056938
Off-site Laboratory Analysis - Inorganic Anions	sample	0	0.007402	0	0.645948	0	0.006768	0	0.014793	0	0.002202	0	0.001554	0
Off-site Laboratory Analysis - Alkalinity	sample	167	0.01744	2.912452	1.338192	223.4781	0.007011	1.170775	0.01325	2.212691	0.00194	0.323988	0.001283	0.214274
Off-site Laboratory Analysis - Perchlorate	sample	0	0.023885	0	1.871705	0	0.007981	0	0.014154	0	0.002055	0	0.001287	0
Off-site Laboratory Analysis - Nitrogen/Nitrate	sample	0	0.033648	0	4.29897	0	0.095459	0	0.222665	0	0.03351	0	0.024251	0
Off-site Laboratory Analysis - Sulfate	sample	0	0.014122	0	1.472673	0	0.007981	0	0.013602	0	0.00198	0	0.001202	0
Off-site Laboratory Analysis - PCBs	sample	167	0.051277	8.563242	5.224902	872.5586	0.083334	13.91676	0.190477	31.80973	0.028439	4.74937	0.021208	3.541778
Off-site Laboratory Analysis - VOCs	sample	167	0.076204	12.72615	9.016814	1505.808	0.104498	17.45117	0.227074	37.92132	0.033951	5.66979	0.023589	3.9394
Off-site Laboratory Analysis - SVOCs	sample	167	0.07156	11.95055	7.870422	1314.36	0.145945	24.37273	0.337304	56.32973	0.050485	8.431052	0.037258	6.222043
Notes:														
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Extraction Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	35.2	0	0.1504	0	0.146966	0	0.007546	0	0.00454	0
Notes:														

RA-4 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
User-defined Materials														
User-defined material #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #4	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #5	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #6	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #7	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #8	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #9	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #10	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #11	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #12	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #13	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #14	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #15	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #16	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #17	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #18	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #19	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #20	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
User-defined Waste Destinations														
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #3	TBD	0	y(MMBtu/u		(lbs CO2e/u		Ox(lbs/unit)		Ox(lbs/unit)		M(lbs/unit)		APs(lbs/unit	
User-defined non-hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
Off-site Totals				**24343.82**		**3587908**		**17441.88**		**11951.92**		**35438.81**		**385.3166**

RA-4 - Intermediate Totals

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Total Grid Electricity Footprint														
On-site grid electricity	MWh	0	3.413	0										
Electricity Generation														
Grid electricity	MWh	0	6.929	0	1124.3	0	2.2421	0	4.607887	0	0.057518	0	0.210237	0
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	112.43	0	0.22421	0	0.460789	0	0.005752	0	0.021024	0
Total Grid Electricity Footprint				**0**		**0**		**0**		**0**		**0**		**0**
Total Fuel Footprints														
Total Gasoline Footprint														
On-site gasoline use - Other	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	30.2	0.124	3.7448	19.77	597.054	0.027	0.8154	0.00036	0.010872	0.003	0.0906	0.0067	0.20234
Transportation gasoline use - passenger truck	gal	79.8	0.124	9.8952	19.79	1579.242	0.035	2.793	0.00036	0.028728	0.003	0.2394	0.00661	0.527478
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Gasoline produced	gal	110	0.033	3.63	2.8	308	0.0046	0.506	0.005	0.55	0.0015	0.165	0.001	0.11
Total Gasoline Footprint		**110**		**17.27**		**2484.296**		**4.1144**		**0.5896**		**0.495**		**0.839818**
Total Diesel Footprint														
On-site diesel use - Other	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	gal	15743.82	0.139	2188.391	22.24	350142.5	0.101	1590.126	0.00013	2.046696	0.009	141.6944	0.00004	0.629753
On-site diesel use >750 hp	gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
Transportation diesel use	gal	173672.3	0.139	24140.45	22.5	3907626	0.17	29524.29	0.0054	937.8303	0.0034	590.4857	5.2E-06	0.903096
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Diesel produced	gal	189416.1	0.017	3220.074	3.02	572036.6	0.0051	966.0221	0.0062	1174.38	0.0017	322.0074	0.0011	208.3577

Total Diesel Footprint		**189416.1**		**29548.91**		**4829805**		**32080.43**		**2114.257**		**1054.187**		**209.8906**
Total Biodiesel Footprint														
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Total Biodiesel Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Natural Gas Footprint														
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Natural gas produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Liquified Petroleum Gas Footprint														
On-site liquified petroleum gas use - Other	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Liquified petroleum gas produced	ccf	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Compressed Gas Footprint														
On-site compressed gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
Compressed gas produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Notes:														

Note: Please refer to the "Default Conversions" tab for references for the default conversion factors used on this calculation sheet.

Space below available for notes and calculations:

RA-5 - On-Site Footprint (Scope 1)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
On-Site														
On-site Renewable Energy														
Renewable electricity generated on-site	MWh	0	3.413	0										
Landfill gas combusted on-site for energy use	ccf CH4	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined on-site renewable energy use #1	gal	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined on-site renewable energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
On-site Conventional Energy														
On-site grid electricity	MWh	0	3.413	0										
On-site diesel use - Other	Gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	Gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	Gal	38015.11	0.139	5284.1	22.24	845456	0.101	3839.526	0.00013	4.941964	0.009	342.136	0.00004	1.520604
On-site diesel use >750 hp	Gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
On-site gasoline use - Other	Gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	Gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	Gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site compressed natural gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed natural gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site liquified petroleum gas use - Other	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Other forms of on-site conventional energy use #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of on-site conventional energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Conventional Energy Subtotals				**5,284**		**845,456**		**3,840**		**5**		**342**		**2**
Notes:														
Other On-site Emissions														
On-site HAP process emissions	lbs	0											1	0
On-site GHG emissions	lbs CO2e	0			1	0								
On-site carbon storage	lbs CO2e	0			1	0								
GHG avoided by flaring on-site landfill methane	Lbs	0			-262	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Other on-site NOx emissions or reductions	lbs	0					1	0						
Other on-site SOx emissions or reductions	lbs	0							1	0				

Other on-site PM emissions or reductions	lbs	0									1	0		
User-defined recycled/reused on-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused on-site #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
On-site Totals				**5,284.10**		**845,456**		**3,840**		**5**		**342**		**2**

RA-5 - Electricity Generation Footprint (Scope 2)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Electricity Generation														
Grid electricity	MWh	0	6.929	0	352	0	1.504	0	1.46966	0	0.07546	0	0.045403	0
Voluntary purchase of renewable electricity	MWh	0												
Voluntary purchase of RECs	MWh	0												

Notes:

RA-5 - Transportation Footprint (Scope 3a)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Conventional Energy														
Transportation diesel use	gal	317306.5	0.139	44105.6	22.5	7139395	0.17	53942.1	0.0054	1713.455	0.0034	1078.842	5.2E-06	1.649994
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	54.2	0.124	6.7208	19.77	1071.534	0.027	1.4634	0.00036	0.019512	0.003	0.1626	0.0067	0.36314
Transportation gasoline use - passenger truck	gal	143.4	0.124	17.7816	19.79	2837.886	0.035	5.019	0.00036	0.051624	0.003	0.4302	0.00661	0.947874
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
User-defined conventional energy transportation #1	TBD	10	0	0	0	0	0	0	0	0	0	0	0	0
User-defined conventional energy transportation #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Conventional Energy Subtotals				**44,130**		**7,143,305**		**53,949**		**1,714**		**1,079**		**3**
Notes:														
Renewable Energy														
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined renewable energy transportation #1	TBD	0	Biodiesel		0	0	0	0	0	0	0	0	Ref.	
User-defined renewable energy transportation #2	TBD	0	mpg or pmp		0	0	0	0	0	0	0	0	0	0
Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Transportation Totals				**44130**		**7143305**		**53949**		**1714**		**1079**		**3**

RA-5 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Construction Materials														
Aluminum, Rolled Sheet	lb	0	0.0633	0	9.15	0	0.0148	0	0.0283	0	0.0088	0	0.00102	0
Asphalt, mastic	lb	0	0.0412	0	0.85	0	0.00271	0	0.00798	0	0.000766	0	0.00107	0
Asphalt, paving-grade	lb	0	0.5	0	8.58	0	0.0299	0	0.0969	0	0.0091	0	0.0133	0
Ethanol, Corn, 95%	lb	0	0.0318	0	-0.0199	0	0.00425	0	0.00303	0	0.000469	0	8.46E-05	0
Ethanol, Corn, 99.7%	lb	0	0.0324	0	0.0591	0	0.00431	0	0.0031	0	0.000472	0	0.000087	0
Ethanol, Petroleum, 99.7%	lb	0	0.0205	0	1.25	0	0.00199	0	0.00214	0	0.000277	0	5.89E-05	0
Gravel/Sand Mix, 65% Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Gravel/sand/clay	lb	4.87E+08	0.000028	13640.32	0.00335	1631967	1.65E-05	8038.044	0.000015	7307.313	0.000002	974.3084	2.05E-10	0.099867
HDPE	lb	0	0.0332	0	1.94	0	0.00325	0	0.00409	0	0.000439	0	6.41E-05	0
Photovoltaic system (installed)	W	0	0.0336	0	4.47	0	0.015	0	0.032	0	0.00063	0	2.9E-06	0
PVC	lb	0	0.0262	0	2.02	0	0.004	0	0.00274	0	0.000372	0	0.000375	0
Portland cement, US average	lb	0	0.0139	0	1.34	0	0.00654	0	0.0104	0	0.00378	0	0.00097	0
Ready-mixed concrete, 20 MPa	ft3	0	0.217	0	19.5	0	0.0975	0	0.154	0	0.057	0	0.0141	0
Round Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Sand	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Stainless Steel	lb	0	0.0116	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.000144	0
Steel	lb	0	0.0044	0	1.1	0	0.0014	0	0.0017	0	0.00056	0	0.000067	0
Other refined construction materials	lb	0	0.01885	0	2.115	0	0.004038	0	0.005133	0	0.001443	0	0.000163	0
Other unrefined construction materials	lb	0	0.000028	0	0.00335	0	1.65E-05	0	0.000015	0	0.000002	0	2.05E-10	0

Notes:

RA-5 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Treatment Materials & Chemicals														
Cheese Whey	lbs	0	0.0025	0	0.031	0	0.000062	0	0.000033	0	0.000002	0	NP	
Emulsified vegetable oil	lbs	0	0.0077	0	3.44	0	0.0066	0	0.0019	0	0.000033	0	NP	
Granular activated carbon, primary	lbs	0	0.0356	0	4.82	0	0.0793	0	0.128	0	0.000987	0	0.000657	0
Granular activated carbon, regenerated	lbs	0	0.00873	0	1.7	0	0.00733	0	0.0129	0	0.000886	0	0.000671	0
Hydrogen Peroxide, 50% in H2O	lbs	0	0.00979	0	1.19	0	0.00142	0	0.0024	0	0.000308	0	6.29E-05	0
Iron (II) Sulfate	lbs	0	0.00147	0	0.167	0	0.000316	0	0.000589	0	0.000103	0	0.000023	0
Lime, Hydrated, Packed	lbs	0	0.00206	0	0.762	0	0.000513	0	0.000358	0	0.00013	0	6.57E-06	0
Molasses	lbs	0	0.0044	0	0.48	0	0.0011	0	0.00024	0	4.1E-06	0	NP	
Phosphoric Acid, 70% in H2O	lbs	0	0.0067	0	0.882	0	0.00282	0	0.0294	0	0.00171	0	0.000163	0
Potassium Permanganate	lbs	0	0.00981	0	1.16	0	0.00234	0	0.0032	0	0.000422	0	0.000122	0
Sodium Hydroxide, 50% in H2O	lbs	0	0.00977	0	1.09	0	0.00194	0	0.00352	0	0.000403	0	0.000129	0
Other Treatment Chemicals & Materials	lbs	0	0.015	0	1.67	0	0.003	0	0.0065	0	0.00061	0	0.000016	0
Notes:														
Fuel Processing														
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Diesel produced	gal	355321.6	0.017	6040.467	3.02	1073071	0.0051	1812.14	0.0062	2202.994	0.0017	604.0467	0.0011	390.8537
Gasoline produced	gal	197.6	0.033	6.5208	2.8	553.28	0.0046	0.90896	0.005	0.988	0.0015	0.2964	0.001	0.1976
Liquefied Petroleum Gas Produced	gal	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Natural Gas - Compressed Produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Natural Gas Produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Fuel Processing Subtotals				**6046.987**		**1073624**		**1813.049**		**2203.982**		**604.3431**		**391.0513**
Notes:														
Public water	gal x 1000	0	0.0092	0	5	0	0.0097	0	0.0059	0	0.016	0	0.000015	0
User-defined water resource #1	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined water resource #2	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														

RA-5 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Off-Site Services														
Hazardous waste incineration	lb	0	0.00609	0	2.43	0	0.0016	0	0.00167	0	0.000209	0	0.000087	0
Off-site waste water treatment (POTW)	gal x 1000	0	0.015	0	4.4	0	0.016	0	0.015	0	NP		NP	
Off-site non-hazardous waste landfill	ton	164291	0.16	26286.56	25	4107275	0.14	23000.74	0.075	12321.83	0.4	65716.4	0.0014	230.0074
Off-site hazardous waste landfill	ton	35553	0.18	6399.54	27.5	977707.5	0.154	5475.162	0.0825	2933.123	0.44	15643.32	0.00154	54.75162
Off-site Laboratory Analysis - Other	sample	401	0.058071	23.28648	6.853438	2748.229	0.131402	52.69218	0.303876	121.8542	0.04557	18.2735	0.033017	13.23963
Off-site Laboratory Analysis - Metals	sample	401	0.212	85.012	27.4693	11015.19	0.6423	257.5623	1.5072	604.3872	0.2264	90.7864	0.1643	65.8843
Off-site Laboratory Analysis - Mercury	sample	401	0.073171	29.34176	9.325458	3739.509	0.212744	85.3103	0.49824	199.7941	0.074736	29.96911	0.054233	21.7475
Off-site Laboratory Analysis - Inorganic Anions	sample	0	0.007402	0	0.645948	0	0.006768	0	0.014793	0	0.002202	0	0.001554	0
Off-site Laboratory Analysis - Alkalinity	sample	401	0.01744	6.993373	1.338192	536.6151	0.007011	2.811262	0.01325	5.313108	0.00194	0.777959	0.001283	0.514514
Off-site Laboratory Analysis - Perchlorate	sample	0	0.023885	0	1.871705	0	0.007981	0	0.014154	0	0.002055	0	0.001287	0
Off-site Laboratory Analysis - Nitrogen/Nitrate	sample	0	0.033648	0	4.29897	0	0.095459	0	0.222665	0	0.03351	0	0.024251	0
Off-site Laboratory Analysis - Sulfate	sample	0	0.014122	0	1.472673	0	0.007981	0	0.013602	0	0.00198	0	0.001202	0
Off-site Laboratory Analysis - PCBs	sample	401	0.051277	20.56204	5.224902	2095.186	0.083334	33.41689	0.190477	76.38145	0.028439	11.40418	0.021208	8.504509
Off-site Laboratory Analysis - VOCs	sample	401	0.076204	30.558	9.016814	3615.742	0.104498	41.90371	0.227074	91.05659	0.033951	13.61429	0.023589	9.459277
Off-site Laboratory Analysis - SVOCs	sample	401	0.07156	28.69563	7.870422	3156.039	0.145945	58.52375	0.337304	135.2588	0.050485	20.24462	0.037258	14.94035
Notes:														
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Extraction Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	35.2	0	0.1504	0	0.146966	0	0.007546	0	0.00454	0
Notes:														

RA-5 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
User-defined Materials														
User-defined material #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #4	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #5	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #6	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #7	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #8	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #9	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #10	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #11	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #12	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #13	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #14	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #15	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #16	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #17	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #18	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #19	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #20	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
User-defined Waste Destinations														
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #3	TBD	0	y(MMBtu/u		(lbs CO2e/u		Ox(lbs/unit)		Ox(lbs/unit)		M(lbs/unit)		APs(lbs/unit	
User-defined non-hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
Off-site Totals				**52597.85**		**7817480**		**38859.22**		**26000.29**		**83123.44**		**810.2003**

RA-5 - Intermediate Totals

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Total Grid Electricity Footprint														
On-site grid electricity	MWh	0	3.413	0										
Electricity Generation														
Grid electricity	MWh	0	6.929	0	1124.3	0	2.2421	0	4.607887	0	0.057518	0	0.210237	0
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	112.43	0	0.22421	0	0.460789	0	0.005752	0	0.021024	0
Total Grid Electricity Footprint				**0**		**0**		**0**		**0**		**0**		**0**
Total Fuel Footprints														
Total Gasoline Footprint														
On-site gasoline use - Other	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	54.2	0.124	6.7208	19.77	1071.534	0.027	1.4634	0.00036	0.019512	0.003	0.1626	0.0067	0.36314
Transportation gasoline use - passenger truck	gal	143.4	0.124	17.7816	19.79	2837.886	0.035	5.019	0.00036	0.051624	0.003	0.4302	0.00661	0.947874
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Gasoline produced	gal	197.6	0.033	6.5208	2.8	553.28	0.0046	0.90896	0.005	0.988	0.0015	0.2964	0.001	0.1976
Total Gasoline Footprint		**197.6**		**31.0232**		**4462.7**		**7.39136**		**1.059136**		**0.8892**		**1.508614**
Total Diesel Footprint														
On-site diesel use - Other	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	gal	38015.11	0.139	5284.1	22.24	845456	0.101	3839.526	0.00013	4.941964	0.009	342.136	0.00004	1.520604
On-site diesel use >750 hp	gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
Transportation diesel use	gal	317306.5	0.139	44105.6	22.5	7139395	0.17	53942.1	0.0054	1713.455	0.0034	1078.842	5.2E-06	1.649994
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Diesel produced	gal	355321.6	0.017	6040.467	3.02	1073071	0.0051	1812.14	0.0062	2202.994	0.0017	604.0467	0.0011	390.8537

Total Diesel Footprint		**355321.6**		**55430.16**		**9057922**		**59593.76**		**3921.39**		**2025.025**		**394.0243**
Total Biodiesel Footprint														
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Total Biodiesel Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Natural Gas Footprint														
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Natural gas produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Liquified Petroleum Gas Footprint														
On-site liquified petroleum gas use - Other	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Liquified petroleum gas produced	ccf	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Compressed Gas Footprint														
On-site compressed gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
Compressed gas produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Notes:														

Note: Please refer to the "Default Conversions" tab for references for the default conversion factors used on this calculation sheet.

Space below available for notes and calculations:

RA-6 - On-Site Footprint (Scope 1)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
On-Site														
On-site Renewable Energy														
Renewable electricity generated on-site	MWh	0	3.413	0										
Landfill gas combusted on-site for energy use	ccf CH4	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined on-site renewable energy use #1	gal	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined on-site renewable energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
On-site Conventional Energy														
On-site grid electricity	MWh	0	3.413	0										
On-site diesel use - Other	Gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	Gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	Gal	56243.82	0.139	7817.891	22.24	1250863	0.101	5680.626	0.00013	7.311696	0.009	506.1944	0.00004	2.249753
On-site diesel use >750 hp	Gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
On-site gasoline use - Other	Gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	Gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	Gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site compressed natural gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed natural gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site liquified petroleum gas use - Other	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Other forms of on-site conventional energy use #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of on-site conventional energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Conventional Energy Subtotals				**7,818**		**1,250,863**		**5,681**		**7**		**506**		**2**
Notes:														
Other On-site Emissions														
On-site HAP process emissions	lbs	0											1	0
On-site GHG emissions	lbs CO2e	0			1	0								
On-site carbon storage	lbs CO2e	0			1	0								
GHG avoided by flaring on-site landfill methane	Lbs	0			-262	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Other on-site NOx emissions or reductions	lbs	0					1	0						
Other on-site SOx emissions or reductions	lbs	0							1	0				

Other on-site PM emissions or reductions	lbs	0									1	0		
User-defined recycled/reused on-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused on-site #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
On-site Totals				**7,817.89**		**1,250,863**		**5,681**		**7**		**506**		**2**

RA-6 - Electricity Generation Footprint (Scope 2)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Electricity Generation														
Grid electricity	MWh	0	6.929	0	352	0	1.504	0	1.46966	0	0.07546	0	0.045403	0
Voluntary purchase of renewable electricity	MWh	0												
Voluntary purchase of RECs	MWh	0												

Notes:

RA-6 - Transportation Footprint (Scope 3a)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Conventional Energy														
Transportation diesel use	gal	444456	0.139	61779.38	22.5	10000260	0.17	75557.52	0.0054	2400.062	0.0034	1511.15	5.2E-06	2.311171
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	78.8	0.124	9.7712	19.77	1557.876	0.027	2.1276	0.00036	0.028368	0.003	0.2364	0.0067	0.52796
Transportation gasoline use - passenger truck	gal	208.4	0.124	25.8416	19.79	4124.236	0.035	7.294	0.00036	0.075024	0.003	0.6252	0.00661	1.377524
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
User-defined conventional energy transportation #1	TBD	10	0	0	0	0	0	0	0	0	0	0	0	0
User-defined conventional energy transportation #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Conventional Energy Subtotals				**61,815**		########		**75,567**		**2,400**		**1,512**		**4**
Notes:														
Renewable Energy														
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined renewable energy transportation #1	TBD	0	Biodiesel		0	0	0	0	0	0	0	0	Ref.	
User-defined renewable energy transportation #2	TBD	0	mpg or pmp		0	0	0	0	0	0	0	0	0	0
Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Transportation Totals				**61815**		**10005942**		**75567**		**2400**		**1512**		**4**

RA-6 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Construction Materials														
Aluminum, Rolled Sheet	lb	0	0.0633	0	9.15	0	0.0148	0	0.0283	0	0.0088	0	0.00102	0
Asphalt, mastic	lb	0	0.0412	0	0.85	0	0.00271	0	0.00798	0	0.000766	0	0.00107	0
Asphalt, paving-grade	lb	0	0.5	0	8.58	0	0.0299	0	0.0969	0	0.0091	0	0.0133	0
Ethanol, Corn, 95%	lb	0	0.0318	0	-0.0199	0	0.00425	0	0.00303	0	0.000469	0	8.46E-05	0
Ethanol, Corn, 99.7%	lb	0	0.0324	0	0.0591	0	0.00431	0	0.0031	0	0.000472	0	0.000087	0
Ethanol, Petroleum, 99.7%	lb	0	0.0205	0	1.25	0	0.00199	0	0.00214	0	0.000277	0	5.89E-05	0
Gravel/Sand Mix, 65% Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Gravel/sand/clay	lb	7.17E+08	0.000028	20085.74	0.00335	2403115	1.65E-05	11836.24	0.000015	10760.22	0.000002	1434.696	2.05E-10	0.147056
HDPE	lb	0	0.0332	0	1.94	0	0.00325	0	0.00409	0	0.000439	0	6.41E-05	0
Photovoltaic system (installed)	W	0	0.0336	0	4.47	0	0.015	0	0.032	0	0.00063	0	2.9E-06	0
PVC	lb	0	0.0262	0	2.02	0	0.004	0	0.00274	0	0.000372	0	0.000375	0
Portland cement, US average	lb	0	0.0139	0	1.34	0	0.00654	0	0.0104	0	0.00378	0	0.00097	0
Ready-mixed concrete, 20 MPa	ft3	0	0.217	0	19.5	0	0.0975	0	0.154	0	0.057	0	0.0141	0
Round Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Sand	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Stainless Steel	lb	0	0.0116	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.000144	0
Steel	lb	0	0.0044	0	1.1	0	0.0014	0	0.0017	0	0.00056	0	0.000067	0
Other refined construction materials	lb	0	0.01885	0	2.115	0	0.004038	0	0.005133	0	0.001443	0	0.000163	0
Other unrefined construction materials	lb	0	0.000028	0	0.00335	0	1.65E-05	0	0.000015	0	0.000002	0	2.05E-10	0

Notes:

RA-6 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Treatment Materials & Chemicals														
Cheese Whey	lbs	0	0.0025	0	0.031	0	0.000062	0	0.000033	0	0.000002	0	NP	
Emulsified vegetable oil	lbs	0	0.0077	0	3.44	0	0.0066	0	0.0019	0	0.000033	0	NP	
Granular activated carbon, primary	lbs	0	0.0356	0	4.82	0	0.0793	0	0.128	0	0.000987	0	0.000657	0
Granular activated carbon, regenerated	lbs	0	0.00873	0	1.7	0	0.00733	0	0.0129	0	0.000886	0	0.000671	0
Hydrogen Peroxide, 50% in H2O	lbs	0	0.00979	0	1.19	0	0.00142	0	0.0024	0	0.000308	0	6.29E-05	0
Iron (II) Sulfate	lbs	0	0.00147	0	0.167	0	0.000316	0	0.000589	0	0.000103	0	0.000023	0
Lime, Hydrated, Packed	lbs	0	0.00206	0	0.762	0	0.000513	0	0.000358	0	0.00013	0	6.57E-06	0
Molasses	lbs	0	0.0044	0	0.48	0	0.0011	0	0.00024	0	4.1E-06	0	NP	
Phosphoric Acid, 70% in H2O	lbs	0	0.0067	0	0.882	0	0.00282	0	0.0294	0	0.00171	0	0.000163	0
Potassium Permanganate	lbs	0	0.00981	0	1.16	0	0.00234	0	0.0032	0	0.000422	0	0.000122	0
Sodium Hydroxide, 50% in H2O	lbs	0	0.00977	0	1.09	0	0.00194	0	0.00352	0	0.000403	0	0.000129	0
Other Treatment Chemicals & Materials	lbs	0	0.015	0	1.67	0	0.003	0	0.0065	0	0.00061	0	0.000016	0
Notes:														
Fuel Processing														
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Diesel produced	gal	500699.8	0.017	8511.897	3.02	1512113	0.0051	2553.569	0.0062	3104.339	0.0017	851.1897	0.0011	550.7698
Gasoline produced	gal	287.2	0.033	9.4776	2.8	804.16	0.0046	1.32112	0.005	1.436	0.0015	0.4308	0.001	0.2872
Liquefied Petroleum Gas Produced	gal	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Natural Gas - Compressed Produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Natural Gas Produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Fuel Processing Subtotals				**8521.374**		**1512918**		**2554.89**		**3105.775**		**851.6205**		**551.057**
Notes:														
Public water	gal x 1000	0	0.0092	0	5	0	0.0097	0	0.0059	0	0.016	0	0.000015	0
User-defined water resource #1	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined water resource #2	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														

RA-6 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Off-Site Services														
Hazardous waste incineration	lb	0	0.00609	0	2.43	0	0.0016	0	0.00167	0	0.000209	0	0.000087	0
Off-site waste water treatment (POTW)	gal x 1000	0	0.015	0	4.4	0	0.016	0	0.015	0	NP		NP	
Off-site non-hazardous waste landfill	ton	260204	0.16	41632.64	25	6505100	0.14	36428.56	0.075	19515.3	0.4	104081.6	0.0014	364.2856
Off-site hazardous waste landfill	ton	35553	0.18	6399.54	27.5	977707.5	0.154	5475.162	0.0825	2933.123	0.44	15643.32	0.00154	54.75162
Off-site Laboratory Analysis - Other	sample	593	0.058071	34.43612	6.853438	4064.089	0.131402	77.92136	0.303876	180.1983	0.04557	27.02291	0.033017	19.5788
Off-site Laboratory Analysis - Metals	sample	593	0.212	125.716	27.4693	16289.29	0.6423	380.8839	1.5072	893.7696	0.2264	134.2552	0.1643	97.4299
Off-site Laboratory Analysis - Mercury	sample	593	0.073171	43.39068	9.325458	5529.997	0.212744	126.1571	0.49824	295.4561	0.074736	44.31841	0.054233	32.16026
Off-site Laboratory Analysis - Inorganic Anions	sample	0	0.007402	0	0.645948	0	0.006768	0	0.014793	0	0.002202	0	0.001554	0
Off-site Laboratory Analysis - Alkalinity	sample	593	0.01744	10.34182	1.338192	793.548	0.007011	4.157302	0.01325	7.85704	0.00194	1.150448	0.001283	0.760865
Off-site Laboratory Analysis - Perchlorate	sample	0	0.023885	0	1.871705	0	0.007981	0	0.014154	0	0.002055	0	0.001287	0
Off-site Laboratory Analysis - Nitrogen/Nitrate	sample	0	0.033648	0	4.29897	0	0.095459	0	0.222665	0	0.03351	0	0.024251	0
Off-site Laboratory Analysis - Sulfate	sample	0	0.014122	0	1.472673	0	0.007981	0	0.013602	0	0.00198	0	0.001202	0
Off-site Laboratory Analysis - PCBs	sample	593	0.051277	30.4072	5.224902	3098.367	0.083334	49.41699	0.190477	112.9531	0.028439	16.86453	0.021208	12.57649
Off-site Laboratory Analysis - VOCs	sample	593	0.076204	45.18926	9.016814	5346.971	0.104498	61.96734	0.227074	134.6548	0.033951	20.13285	0.023589	13.98841
Off-site Laboratory Analysis - SVOCs	sample	593	0.07156	42.43519	7.870422	4667.16	0.145945	86.5451	0.337304	200.0212	0.050485	29.93781	0.037258	22.09384
Notes:														
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Extraction Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	35.2	0	0.1504	0	0.146966	0	0.007546	0	0.00454	0
Notes:														

RA-6 - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
User-defined Materials														
User-defined material #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #4	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #5	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #6	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #7	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #8	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #9	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #10	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #11	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #12	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #13	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #14	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #15	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #16	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #17	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #18	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #19	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #20	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
User-defined Waste Destinations														
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #3	TBD	0	y(MMBtu/u		(lbs CO2e/u		Ox(lbs/unit)		Ox(lbs/unit)		M(lbs/unit)		APs(lbs/unit	
User-defined non-hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
Off-site Totals				**76971.21**		**11438630**		**57081.9**		**38139.32**		**122284.9**		**1168.83**

RA-6 - Intermediate Totals

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Total Grid Electricity Footprint														
On-site grid electricity	MWh	0	3.413	0										
Electricity Generation														
Grid electricity	MWh	0	6.929	0	1124.3	0	2.2421	0	4.607887	0	0.057518	0	0.210237	0
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	112.43	0	0.22421	0	0.460789	0	0.005752	0	0.021024	0
Total Grid Electricity Footprint				**0**		**0**		**0**		**0**		**0**		**0**
Total Fuel Footprints														
Total Gasoline Footprint														
On-site gasoline use - Other	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	78.8	0.124	9.7712	19.77	1557.876	0.027	2.1276	0.00036	0.028368	0.003	0.2364	0.0067	0.52796
Transportation gasoline use - passenger truck	gal	208.4	0.124	25.8416	19.79	4124.236	0.035	7.294	0.00036	0.075024	0.003	0.6252	0.00661	1.377524
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Gasoline produced	gal	287.2	0.033	9.4776	2.8	804.16	0.0046	1.32112	0.005	1.436	0.0015	0.4308	0.001	0.2872
Total Gasoline Footprint		**287.2**		**45.0904**		**6486.272**		**10.74272**		**1.539392**		**1.2924**		**2.192684**
Total Diesel Footprint														
On-site diesel use - Other	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	gal	56243.82	0.139	7817.891	22.24	1250863	0.101	5680.626	0.00013	7.311696	0.009	506.1944	0.00004	2.249753
On-site diesel use >750 hp	gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
Transportation diesel use	gal	444456	0.139	61779.38	22.5	10000260	0.17	75557.52	0.0054	2400.062	0.0034	1511.15	5.2E-06	2.311171
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Diesel produced	gal	500699.8	0.017	8511.897	3.02	1512113	0.0051	2553.569	0.0062	3104.339	0.0017	851.1897	0.0011	550.7698

Total Diesel Footprint		**500699.8**		**78109.17**		**12763236**		**83791.71**		**5511.713**		**2868.534**		**555.3307**
Total Biodiesel Footprint														
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Total Biodiesel Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Natural Gas Footprint														
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Natural gas produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Liquified Petroleum Gas Footprint														
On-site liquified petroleum gas use - Other	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Liquified petroleum gas produced	ccf	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Compressed Gas Footprint														
On-site compressed gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
Compressed gas produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Notes:														

Note: Please refer to the "Default Conversions" tab for references for the default conversion factors used on this calculation sheet.

Space below available for notes and calculations:

All Components - On-Site Footprint (Scope 1)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
On-Site														
On-site Renewable Energy														
Renewable electricity generated on-site	MWh	0	3.413	0										
Landfill gas combusted on-site for energy use	ccf CH4	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined on-site renewable energy use #1	gal	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined on-site renewable energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
On-site Conventional Energy														
On-site grid electricity	MWh	0	3.413	0										
On-site diesel use - Other	Gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	Gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	Gal	125357.1	0.139	17424.64	22.24	2787943	0.101	12661.07	0.00013	16.29643	0.009	1128.214	0.00004	5.014286
On-site diesel use >750 hp	Gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
On-site gasoline use - Other	Gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	Gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	Gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
On-site compressed natural gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed natural gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site liquified petroleum gas use - Other	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	gal	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Other forms of on-site conventional energy use #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of on-site conventional energy use #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site Conventional Energy Subtotals				**17,425**		**2,787,943**		**12,661**		**16**		**1,128**		**5**
Notes:														
Other On-site Emissions														
On-site HAP process emissions	lbs	0											1	0
On-site GHG emissions	lbs CO2e	0			1	0								
On-site carbon storage	lbs CO2e	0			1	0								
GHG avoided by flaring on-site landfill methane	Lbs	0			-262	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Other on-site NOx emissions or reductions	lbs	0					1	0						
Other on-site SOx emissions or reductions	lbs	0							1	0				

Other on-site PM emissions or reductions	lbs	0									1	0		
User-defined recycled/reused on-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused on-site #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
On-site Totals				**17,424.64**		**2,787,943**		**12,661**		**16**		**1,128**		**5**

All Components - Electricity Generation Footprint (Scope 2)

Contributors to Footprints	Units	Usage	Energy		GHG		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Electricity Generation														
Grid electricity	MWh	0	6.929	0	N/A*	0	N/A*	0	N/A*	0	N/A*	0	N/A*	0
**** Conversion factors are not applied to grid electricity in the "All Components" tab since multiple fuel mixes may be used. The value for each cell shaded yellow in Row 51 is the sum of values from Components 1 - 6.***														
Voluntary purchase of renewable electricity	MWh	0												
Voluntary purchase of RECs	MWh	0												
Notes:														

All Components - Transportation Footprint (Scope 3a)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Conventional Energy														
Transportation diesel use	gal	1192650	0.139	165778.3	22.5	26834623	0.17	202750.5	0.0054	6440.309	0.0034	4055.01	5.2E-06	6.201779
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	202	0.124	25.048	19.77	3993.54	0.027	5.454	0.00036	0.07272	0.003	0.606	0.0067	1.3534
Transportation gasoline use - passenger truck	gal	534.2	0.124	66.2408	19.79	10571.82	0.035	18.697	0.00036	0.192312	0.003	1.6026	0.00661	3.531062
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
User-defined conventional energy transportation #1	TBD	50	0	0	0	0	0	0	0	0	0	0	0	0
User-defined conventional energy transportation #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Conventional Energy Subtotals				**165,870**		########		**202,775**		**6,441**		**4,057**		**11**
Notes:														
Renewable Energy														
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
User-defined renewable energy transportation #1	TBD	0	Biodiesel		0	0	0	0	0	0	0	0	Ref.	
User-defined renewable energy transportation #2	TBD	0	mpg or pmp		0	0	0	0	0	0	0	0	0	0
Renewable Energy Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Transportation Totals				**165870**		**26849188**		**202775**		**6441**		**4057**		**11**

All Components - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Construction Materials														
Aluminum, Rolled Sheet	lb	0	0.0633	0	9.15	0	0.0148	0	0.0283	0	0.0088	0	0.00102	0
Asphalt, mastic	lb	0	0.0412	0	0.85	0	0.00271	0	0.00798	0	0.000766	0	0.00107	0
Asphalt, paving-grade	lb	0	0.5	0	8.58	0	0.0299	0	0.0969	0	0.0091	0	0.0133	0
Ethanol, Corn, 95%	lb	0	0.0318	0	-0.0199	0	0.00425	0	0.00303	0	0.000469	0	8.46E-05	0
Ethanol, Corn, 99.7%	lb	0	0.0324	0	0.0591	0	0.00431	0	0.0031	0	0.000472	0	0.000087	0
Ethanol, Petroleum, 99.7%	lb	0	0.0205	0	1.25	0	0.00199	0	0.00214	0	0.000277	0	5.89E-05	0
Gravel/Sand Mix, 65% Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Gravel/sand/clay	lb	1.85E+09	0.000028	51772.81	0.00335	6194247	1.65E-05	30508.98	0.000015	27735.44	0.000002	3698.058	2.05E-10	0.379051
HDPE	lb	0	0.0332	0	1.94	0	0.00325	0	0.00409	0	0.000439	0	6.41E-05	0
Photovoltaic system (installed)	W	0	0.0336	0	4.47	0	0.015	0	0.032	0	0.00063	0	2.9E-06	0
PVC	lb	0	0.0262	0	2.02	0	0.004	0	0.00274	0	0.000372	0	0.000375	0
Portland cement, US average	lb	0	0.0139	0	1.34	0	0.00654	0	0.0104	0	0.00378	0	0.00097	0
Ready-mixed concrete, 20 MPa	ft3	0	0.217	0	19.5	0	0.0975	0	0.154	0	0.057	0	0.0141	0
Round Gravel	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Sand	lb	0	2.48E-05	0	0.0024	0	0.000018	0	4.52E-06	0	2.61E-06	0	3.08E-07	0
Stainless Steel	lb	0	0.0116	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.000144	0
Steel	lb	0	0.0044	0	1.1	0	0.0014	0	0.0017	0	0.00056	0	0.000067	0
Other refined construction materials	lb	0	0.01885	0	2.115	0	0.004038	0	0.005133	0	0.001443	0	0.000163	0
Other unrefined construction materials	lb	0	0.000028	0	0.00335	0	1.65E-05	0	0.000015	0	0.000002	0	2.05E-10	0

Notes:

All Components - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Treatment Materials & Chemicals														
Cheese Whey	lbs	0	0.0025	0	0.031	0	0.000062	0	0.000033	0	0.000002	0	NP	
Emulsified vegetable oil	lbs	0	0.0077	0	3.44	0	0.0066	0	0.0019	0	0.000033	0	NP	
Granular activated carbon, primary	lbs	0	0.0356	0	4.82	0	0.0793	0	0.128	0	0.000987	0	0.000657	0
Granular activated carbon, regenerated	lbs	0	0.00873	0	1.7	0	0.00733	0	0.0129	0	0.000886	0	0.000671	0
Hydrogen Peroxide, 50% in H2O	lbs	0	0.00979	0	1.19	0	0.00142	0	0.0024	0	0.000308	0	6.29E-05	0
Iron (II) Sulfate	lbs	0	0.00147	0	0.167	0	0.000316	0	0.000589	0	0.000103	0	0.000023	0
Lime, Hydrated, Packed	lbs	0	0.00206	0	0.762	0	0.000513	0	0.000358	0	0.00013	0	6.57E-06	0
Molasses	lbs	0	0.0044	0	0.48	0	0.0011	0	0.00024	0	4.1E-06	0	NP	
Phosphoric Acid, 70% in H2O	lbs	0	0.0067	0	0.882	0	0.00282	0	0.0294	0	0.00171	0	0.000163	0
Potassium Permanganate	lbs	0	0.00981	0	1.16	0	0.00234	0	0.0032	0	0.000422	0	0.000122	0
Sodium Hydroxide, 50% in H2O	lbs	0	0.00977	0	1.09	0	0.00194	0	0.00352	0	0.000403	0	0.000129	0
Other Treatment Chemicals & Materials	lbs	0	0.015	0	1.67	0	0.003	0	0.0065	0	0.00061	0	0.000016	0
Notes:														
Fuel Processing														
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Diesel produced	gal	1318007	0.017	22406.12	3.02	3980381	0.0051	6721.836	0.0062	8171.644	0.0017	2240.612	0.0011	1449.808
Gasoline produced	gal	736.2	0.033	24.2946	2.8	2061.36	0.0046	3.38652	0.005	3.681	0.0015	1.1043	0.001	0.7362
Liquefied Petroleum Gas Produced	gal	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Natural Gas - Compressed Produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Natural Gas Produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Fuel Processing Subtotals				**22430.41**		**3982443**		**6725.222**		**8175.325**		**2241.716**		**1450.544**
Notes:														
Public water	gal x 1000	0	0.0092	0	5	0	0.0097	0	0.0059	0	0.016	0	0.000015	0
User-defined water resource #1	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined water resource #2	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														

All Components - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Off-Site Services														
Hazardous waste incineration	lb	0	0.00609	0	2.43	0	0.0016	0	0.00167	0	0.000209	0	0.000087	0
Off-site waste water treatment (POTW)	gal x 1000	0	0.015	0	4.4	0	0.016	0	0.015	0	NP		NP	
Off-site non-hazardous waste landfill	ton	481293	0.16	77006.88	25	12032325	0.14	67381.02	0.075	36096.98	0.4	192517.2	0.0014	673.8102
Off-site hazardous waste landfill	ton	177765	0.18	31997.7	27.5	4888538	0.154	27375.81	0.0825	14665.61	0.44	78216.6	0.00154	273.7581
Off-site Laboratory Analysis - Other	sample	1324	0.058071	76.88604	6.853438	9073.952	0.131402	173.9762	0.303876	402.3315	0.04557	60.33445	0.033017	43.71388
Off-site Laboratory Analysis - Metals	sample	1324	0.212	280.688	27.4693	36369.35	0.6423	850.4052	1.5072	1995.533	0.2264	299.7536	0.1643	217.5332
Off-site Laboratory Analysis - Mercury	sample	1324	0.073171	96.87903	9.325458	12346.91	0.212744	281.6729	0.49824	659.6692	0.074736	98.95038	0.054233	71.8047
Off-site Laboratory Analysis - Inorganic Anions	sample	0	0.007402	0	0.645948	0	0.006768	0	0.014793	0	0.002202	0	0.001554	0
Off-site Laboratory Analysis - Alkalinity	sample	1324	0.01744	23.09034	1.338192	1771.766	0.007011	9.282071	0.01325	17.54253	0.00194	2.568624	0.001283	1.698794
Off-site Laboratory Analysis - Perchlorate	sample	0	0.023885	0	1.871705	0	0.007981	0	0.014154	0	0.002055	0	0.001287	0
Off-site Laboratory Analysis - Nitrogen/Nitrate	sample	0	0.033648	0	4.29897	0	0.095459	0	0.222665	0	0.03351	0	0.024251	0
Off-site Laboratory Analysis - Sulfate	sample	0	0.014122	0	1.472673	0	0.007981	0	0.013602	0	0.00198	0	0.001202	0
Off-site Laboratory Analysis - PCBs	sample	1324	0.051277	67.89062	5.224902	6917.77	0.083334	110.3341	0.190477	252.1921	0.028439	37.65369	0.021208	28.07973
Off-site Laboratory Analysis - VOCs	sample	1324	0.076204	100.8947	9.016814	11938.26	0.104498	138.3554	0.227074	300.6457	0.033951	44.95091	0.023589	31.23213
Off-site Laboratory Analysis - SVOCs	sample	1324	0.07156	94.74568	7.870422	10420.44	0.145945	193.2305	0.337304	446.5902	0.050485	66.84259	0.037258	49.32925
Notes:														
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Extraction Subtotals				**0**		**0**		**0**		**0**		**0**		**0**
Notes:														
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0										
Notes:														

All Components - Off-Site Footprint (Scope 3b)

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
User-defined Materials														
User-defined material #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #4	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #5	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #6	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #7	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #8	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #9	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #10	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #11	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #12	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #13	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #14	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #15	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #16	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #17	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #18	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #19	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined material #20	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
User-defined Waste Destinations														
User-defined recycled/reused off-site #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined recycled/reused off-site #3	TBD	0	y(MMBtu/u		(lbs CO2e/u		Ox(lbs/unit)		Ox(lbs/unit)		M(lbs/unit)		APs(lbs/unit	
User-defined non-hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined non-hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #1	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #2	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
User-defined hazardous waste destination #3	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:														
Off-site Totals				**183948.9**		**27186391**		**133748.3**		**90747.85**		**277284.6**		**2841.883**

All Components - Intermediate Totals

Category	Units	Usage	Energy		Greenhouse Gas		NOx		SOx		PM		HAPs	
			Conv. Factor	MMBtus	Conv. Factor	lbs CO2e	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs	Conv. Factor	lbs
Total Grid Electricity Footprint														
On-site grid electricity	MWh	0	3.413	0										
Electricity Generation														
Grid electricity	MWh	0	6.929	0	1124.3	0	2.2421	0	4.607887	0	0.057518	0	0.210237	0
Resource Extraction for Electricity														
Coal extraction and processing	MWh	0	3.1	0	180.0	0	0.8	0	0.2	0	0.0	0	NP	
Natural gas extraction and processing	MWh	0	1.6	0	270.0	0	0.2	0	13.0	0	0.0	0	NP	
Nuclear fuel extraction and processing	MWh	0	0.2	0	25.0	0	0.2	0	0.5	0	0.0	0	NP	
Oil extraction and processing	MWh	0	2.3	0	270.0	0	1.7	0	0.1	0	0.0	0	NP	
Other fuel extraction and processing	MWh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Electricity Transmission														
Transmission and distribution losses	MWh	0	1.0342	0	112.43	0	0.22421	0	0.460789	0	0.005752	0	0.021024	0
Total Grid Electricity Footprint				**0**		**0**		**0**		**0**		**0**		**0**
Total Fuel Footprints														
Total Gasoline Footprint														
On-site gasoline use - Other	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
On-site gasoline use <25 hp	gal	0	0.124	0	17.48	0	0.037	0	0.00025	0	0.165	0	0.00008	0
On-site gasoline use >25 hp	gal	0	0.124	0	19.93	0	0.032	0	0.00029	0	0.002	0	0.00009	0
Transportation gasoline use	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Transportation gasoline use - car	gal	202	0.124	25.048	19.77	3993.54	0.027	5.454	0.00036	0.07272	0.003	0.606	0.0067	1.3534
Transportation gasoline use - passenger truck	gal	534.2	0.124	66.2408	19.79	10571.82	0.035	18.697	0.00036	0.192312	0.003	1.6026	0.00661	3.531062
Transportation gasoline use - User Defined	gal	0	0.124	0	19.6	0	0.11	0	0.0045	0	0.00054	0	0.000039	0
Gasoline produced	gal	736.2	0.033	24.2946	2.8	2061.36	0.0046	3.38652	0.005	3.681	0.0015	1.1043	0.001	0.7362
Total Gasoline Footprint		**736.2**		**115.5834**		**16626.72**		**27.53752**		**3.946032**		**3.3129**		**5.620662**
Total Diesel Footprint														
On-site diesel use - Other	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
On-site diesel use <75 hp	gal	0	0.139	0	22.21	0	0.1565	0	0.000145	0	0.0145	0	0.00004	0
On-site diesel use 75<hp<750	gal	125357.1	0.139	17424.64	22.24	2787943	0.101	12661.07	0.00013	16.29643	0.009	1128.214	0.00004	5.014286
On-site diesel use >750 hp	gal	0	0.139	0	22.24	0	0.149	0	0.00013	0	0.006	0	0.00004	0
Transportation diesel use	gal	1192650	0.139	165778.3	22.5	26834623	0.17	202750.5	0.0054	6440.309	0.0034	4055.01	5.2E-06	6.201779
Transportation diesel use - car	gal	0	0.139	0	22.57	0	0.015	0	0.0002	0	0.003	0	0.00252	0
Transportation diesel use - passenger truck	gal	0	0.139	0	22.545	0	0.0585	0	0.0002	0	0.007	0	0.002605	0
Transportation diesel use - User Defined	gal	0	0.139	0	22.5	0	0.17	0	0.0054	0	0.0034	0	5.2E-06	0
Diesel produced	gal	1318007	0.017	22406.12	3.02	3980381	0.0051	6721.836	0.0062	8171.644	0.0017	2240.612	0.0011	1449.808

Total Diesel Footprint		**1318007**		**205609.1**		**33602947**		**222133.4**		**14628.25**		**7423.836**		**1461.024**
Total Biodiesel Footprint														
On-site biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
On-site biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Transportation biodiesel use - User Defined	gal	0	0.127	0	22.3	0	0.2	0	0	0	0.00099	0	NP	
Biodiesel produced	gal	0	0.029	0	-16.8	0	0.018	0	0.033	0	0.00082	0	NP	
Total Biodiesel Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Natural Gas Footprint														
On-site natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Transportation natural gas use - User Defined	ccf	0	0.103	0	13.1	0	0.01	0	6.3E-06	0	0.00076	0	8.4E-06	0
Natural gas produced	ccf	0	0.0052	0	2.2	0	0.0037	0	0.0046	0	0.000072	0	6.1E-06	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Liquified Petroleum Gas Footprint														
On-site liquified petroleum gas use - Other	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
On-site liquified petroleum gas use	ccf	0	NP		12.69	0	0.021	0	0.00013	0	0.001	0	0	0
Liquified petroleum gas produced	ccf	0	0.088	0	1.47	0	0.0016	0	0.0024	0	0.0007	0	0.0003	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Total Compressed Gas Footprint														
On-site compressed gas use - Other	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
On-site compressed gas use	ccf	0	NP		1957.835	0	16.0325	0	0.023045	0	0.2775	0	0	0
Compressed gas produced	ccf	0	19.983	0	343.92	0	0.4732	0	2.1651	0	0.1846	0	0.2895	0
Total Natural Gas Footprint		**0**		**0**		**0**		**0**		**0**		**0**		**0**
Notes:														

Note: Please refer to the "Default Conversions" tab for references for the default conversion factors used on this calculation sheet.

Space below available for notes and calculations: