



MOVE YOUR ENVIRONMENT FORWARD

PERIODIC REVIEW REPORT JANUARY 2010 – AUGUST 2023

Independent Leather Tannery

321-333 South Main Street
City of Gloversville, Fulton County, NY
NYSDEC Site Code: B00158

Prepared For:

Mayor Vincent DeSantis
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Gloversville, NY 12078

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HRP #: GLO8016.GW

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General Information

Project/Site Information:

Independent Leather Tannery
(Site ID# B00158)
321-333 South Main Street, Gloversville
City of Gloversville, Fulton County, NY

Consultant Information:

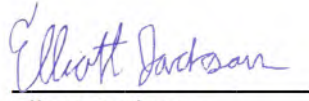
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1.0 EXECUTIVE SUMMARY

This Periodic Review Report (PRR) is prepared for reporting period January 1, 2010 – August 1, 2023 for the Independent Leather Tannery (herein after referred to as the “Site”) under the New York State (NYS), Environmental Restoration Program (ERP) administered by the New York State Department of Environmental Conservation (NYSDEC). This report is intended to meet the requirements of the Site Management Plan (SMP) for the Site, that specified that a PRR will be submitted to the NYSDEC annually. Between January 2010 and August 2023, Site inspections and groundwater monitoring were completed by C.T. Male Associates, P.C. (C.T. Male).

1.1 Site Summary

The Site is located at 321-333 South Main Street in the City of Gloversville, Fulton County, New York (**Figure 1**). The Site is an approximately 3.7-acre area bisected by Cayadutta Creek which flows north to south and is channelized by a concrete and stone retaining wall. The Site is a vacant, undeveloped property. The Site was previously developed with multiple buildings and utilized as a tannery. A Site Plan is provided as **Figure 2**.

Previous investigations performed at the Site found that petroleum related volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs), arsenic, and chromium contamination (identified as contaminants of concern [COCs] for the Site) were present in surface soil, subsurface soil, and groundwater at concentrations exceeding NYSDEC regulatory values. A cover system was installed on the portion of the Site west of Cayadutta Creek by United States Environmental Protection Agency (EPA) as part of an Emergency Removal Action completed in 2002, and on the portion of the Site east of Cayadutta Creek (and an area in the extreme southwest corner of the Site) by the City in 2005 under the ERP.

The Site cover system functions as the sole EC for the Site. Site institutional controls (ICs) include a prohibition on use of the Site for residential purposes, a prohibition on groundwater use, and requirement to comply with the SMP which is enforced by an Environmental Easement on the Site. The SMP requires annual inspections of the Site cover system, biannual groundwater sampling and annual PRR submission to certify the efficacy of Site ECs and ICs.

1.2 Compliance

Two areas of non-compliance were identified with regard to the SMP, detailed below. No other areas of non-compliance were identified.

1. Site monitoring was not completed on the schedule required by the SMP. Specifically, biannual groundwater monitoring was not completed in 2018 and 2022 and annual Site cover inspections were not completed for the years 2015, 2017, 2019, 2021, 2022, and 2023 as required by the SMP.
2. Two sections of creek retaining wall were collapsed and were not repaired by the end of the monitoring period (August 1, 2023) and sufficient photo documentation of the cover system was not available. The collapsed sections of the wall are depicted in **Figure 2**. As a result, the Site cover system EC cannot be certified as in compliance with the SMP.

1.3 Effectiveness of Remedial Program

Taking into account the exceptions described in **Section 1.3** above, the Site ICs and ECs are generally achieving the Site Remedial Action Objectives (RAOs) of eliminating or reducing receptor exposure to Site COCs and eliminating or reducing further release of COCs to groundwater and Cayadutta Creek.

1.4 Recommendations

In November 2023, following this reporting period, creek wall repairs were completed and are documented in a Corrective Action Plan (CAP) dated March 5, 2024, submitted to the NYSDEC under separate cover. Site inspections were completed in November and December 2023 which identified deficiencies with the Site cover system which will be addressed in Spring 2024 in accordance with the CAP. The next Site inspection will be performed in 2024 following completion of corrective actions, to return to the annual inspection schedule required by the SMP. No changes to the Site inspection schedule are recommended at this time.

Groundwater sampling was completed in December 2023 and will be documented in the August 2023 – August 2024 PRR. The next groundwater sampling event will be performed in 2025 to return to the biannual sampling schedule required by the SMP, with subsequent revisions approved by the NYSDEC. No changes to the groundwater monitoring plan are recommended at this time.

2.0 **SITE OVERVIEW**

This document is required as an element of the remedial program at the Independent Leather Tannery (herein after referred to as the "Site") under the New York State Department of Environmental Conservation (NYSDEC) Environmental Restoration Program (ERP). The Site was investigated and remediated in accordance with the ERP, as NYSDEC Site No. B00158. The Site remediation was completed in conformance with pertinent NYS regulations in effect contemporary with remedial actions, succeeded by *DER-10: Technical Guidance for Site Investigation and Remediation* (NYSDEC, May 2010). This report is intended to meet the requirements of the Site Management Plan (SMP) for the Site, that specified that a Periodic Review Report (PRR) will be submitted to the NYSDEC annually. This report is intended to meet the periodic reporting requirements for the period of January 2010 to August 2023. During this period, Site inspections and groundwater monitoring were primarily completed by C.T. Male Associates, P.C. (C.T. Male).

The Site is located at 321-333 South Main Street in the City of Gloversville, Fulton County, New York and is identified as Section 149.13, Block 2, Lot 9 on the City of Gloversville Tax Map. The Site location is depicted on **Figure 1**. The Site is an approximately 3.7-acre area bisected by Cayadutta Creek which flows north to south. The Site is an undeveloped area vegetated mostly with grass, weeds and some trees and shrubs. A driveway paved with crushed stone enters the Site from Hill Street to the south and extends northeast to a wooden bridge crossing Cayadutta Creek. The creek is channelized by retaining walls constructed of laid up stone, concrete block and poured concrete. The Site is bounded by a car wash to the north, the FJ&G Rail Trail to the east, commercial properties to the south and southeast, and an auto repair garage to the west. The Site was previously developed with multiple buildings and utilized as a tannery. A Site Plan is provided as **Figure 2**.

Previous investigations performed at the Site found that petroleum related volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs), arsenic, and chromium contamination were present in surface soil, subsurface soil, and groundwater at concentrations exceeding NYSDEC regulatory values. These contaminant groups were identified as contaminants of concern (COCs) for the Site. From 2001-2002 the United States Environmental Protection Agency (EPA) completed an Emergency Removal Action at the Site which consisted of characterization and disposal of hundreds of containers of chemicals, removal of animal wastes and cleaning of interior building surfaces, closure of storage tanks, demolition of Site buildings and off-site disposal of building materials, and placement of a soil backfill cover on the western side of the Site. In 2005 remedial activities were completed by the City under the NYSDEC ERP. This included excavation and off-site disposal of Site soils on the eastern side of the creek (which included on-site treatment of groundwater during excavation dewatering) and installation of a soil cover system on the eastern side of the creek, and an area in the extreme southwest corner of the Site.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN

3.1 Institutional Controls (ICs)

The Site has a series of ICs in the form of Site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Site are:

- The Site may only be used for commercial/industrial use provided that the long-term engineering controls (ECs) and ICs included in the SMP are employed.
- The Site may not be used for a higher level of use, such as restricted or unrestricted residential use without additional remediation and/or amendment of the Environmental Easement, as approved by the NYSDEC.
- All ECs must be operated and maintained as specified in the SMP.
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- All future activities on the Site that will cause a disturbance beneath the Site cover must be conducted in accordance with the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Fulton County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC.
- Monitoring and maintenance of on-site groundwater monitoring wells as set forth in Section 3.3 of the SMP (as subject to subsequent revisions made by the NYSDEC), as necessary, and as required by the NYSDEC.

3.2 Engineering Controls (ECs)

The EC system for this Site includes the following:

- Exposure to remaining impacts in subsurface soil at the Site is prevented by a cover system in place over the Site. The cover system consists of vegetated imported soil and a crushed stone driveway, each of which are designed to be a minimum of 12 inches thick. An orange geotextile demarcation barrier was installed between Site soils and cover material in the areas of Site cover installed by the City. It is unknown whether a demarcation layer exists under the areas of Site cover installed by the EPA.

3.3 Compliance

As of the end of the January 2010 – August 2023 reporting period the Site remained in compliance with ICs with the exception of completing EC inspections and groundwater monitoring at the frequency specified in the PRR. Biannual groundwater sampling was not completed in 2018 or 2022. Annual Site inspections were not completed in 2015, 2017, 2019, 2021, 2022, or 2023. HRP made

visits to the Site in 2023 related to the repair of two collapsed sections of the eastern creek retaining wall. Although a formal inspection was not completed during these visits, the Site cover was observed to generally be in-tact with the exception of the collapsed sections of wall (i.e. no major excavation or Site redevelopment projects occurred). The collapsed sections of creek wall are depicted on **Figure 2**.

3.4 Corrective Action

Repairs to the creek wall were completed in November 2023. Site inspections were completed in November and December 2023 which identified additional deficiencies of the Site cover system. The next Site cover inspection will be completed in 2024 to return to the annual inspection schedule. Groundwater sampling was completed in December 2023. The next sampling event will be completed in 2025 to return to the biannual sampling schedule.

The completed creek wall repairs are documented in a Corrective Action Plan (CAP) dated March 5, 2024, submitted to the NYSDEC under separate cover. The CAP includes a schedule of actions necessary to address Site cover deficiencies. Corrective actions are to be implemented in Spring 2024.

3.5 Conclusions & Recommendations

Site ICs and ECs are in place with the following exceptions:

- Biannual groundwater sampling was not completed in 2018 or 2022.
- Annual Site inspections were not completed 2015, 2017, 2019, 2021, 2022, or 2023.
- Two sections of the eastern creek retaining wall collapsed and were eroding into the creek (**Figure 2**).

Due to these exceptions Site ICs and ECs cannot be certified as being in compliance with the SMP. A completed certification form stating a CAP will be submitted is included as **Appendix A**.

In November 2023, following this reporting period, creek wall repairs were completed and are documented in a CAP dated March 2, 2024, submitted to the NYSDEC under separate cover. Site inspections were completed in November and December 2023 which identified deficiencies with the Site cover system which will be addressed in Spring 2024 by the CAP. The next Site cover inspection will be performed in 2024 following completion of corrective actions. Groundwater sampling was completed in December 2023 and will be documented in the August 2023 – August 2024 PRR. The next groundwater sampling event will be performed in 2025 to return to the biannual sampling schedule.

4.0 **MONITORING PLAN COMPLIANCE**

4.1 **Groundwater Monitoring**

4.1.1 **Monitoring Plan as Outlined in the SMP**

The groundwater monitoring plan is outlined in Section 3.3 of the SMP. Revisions to the monitoring plan were made with the approval of the NYSDEC following the 2008 and 2016 groundwater monitoring events. From 2006 to 2008 groundwater sampling was completed annually. Following the 2008 event, the NYSDEC approved the reduction of sampling to a biannual schedule. Following the 2016 event, the NYSDEC approved the removal of select monitoring wells and parameters from the biannual sampling schedule.

The groundwater monitoring plan and revisions are summarized in the table below.

Summary of Long Term Groundwater Monitoring Program (2007-2020)				
Well ID	TCL VOCs	TCL SVOCs	Select Metals ¹	TCL Pesticides
B-2R			X	
B-3			X	
MW-5			X	
MW-6 ²			X ²	X ²
MW-7	X	X ²	X	X ²
MW-8			X	
MW-9 ²			X ²	
MW-10	X	X	X	X ²
MW-11			X	
MW-12			X	
MW-14 ²			X ²	
OFF35	X	X	X	
OFF33	X	X	X ²	
(¹) "Select Metals" include arsenic, chromium, iron, magnesium, manganese, and sodium				
(²) Denotes parameter/well removed from sampling plan after 2016 sampling event				

4.1.2 **Monitoring Completed**

Groundwater monitoring events were completed by C.T. Male in accordance with the schedule described in Section 4.1 above in July 2010, September 2012, August 2014, September 2016, and April 2020. Biannual groundwater monitoring events were not completed in 2018 or 2022. Monitoring well locations are depicted in **Figure 2**. Summary tables and graphs of COC concentrations for sampling events completed during the reporting period and historic sampling events, dating back to 2002, are included in **Appendix B**. A summary of the results and trends for the monitoring of events conducted during this reporting period is presented below. Letter reports were prepared by C.T. Male for each event and were submitted to NYSDEC under separate cover.

Groundwater Flow

Depth to water is 5-10 feet below grade across the Site. Groundwater flows inwards towards Cayadutta Creek. A groundwater flow map from the 2020 monitoring event is included as **Figure 3**.

VOC Impacts

VOCs were not detected at concentrations exceeding NYSDEC Class GA criteria in monitoring wells MW-7 and OFF35 with the exception of one detection of 1,2,4-trimethylbenzene in MW-7 in August 2014. The VOCs, including xylenes, n-propylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene were detected at concentrations exceeding NYSDEC Class GA criteria in monitoring well MW-10. Tables of historic VOC results from all wells sampled during the monitoring period, and graphs of VOC trends from MW-10 are included in **Appendix B**.

SVOC Impacts

SVOCs were not detected at concentrations exceeding NYSDEC Class GA criteria in monitoring wells MW-7 or OFF35. The SVOCs benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding NYSDEC Class GA criteria in monitoring well OFF33. The SVOC naphthalene was detected at concentrations exceeding NYSDEC Class GA criteria in MW-10. Tables of historic SVOC results from all wells sampled during the monitoring period, and graphs of SVOC trends from OFF33 and naphthalene trends from MW-10 are included in **Appendix B**.

Metals Impacts

One or more of the metals analyzed during the monitoring period (arsenic, chromium, iron, magnesium, manganese, and sodium) were detected at concentrations exceeding NYSDEC Class GA criteria in each of the 13 monitoring wells sampled. Tables of historic metal results from all wells are included in **Appendix B**.

Arsenic was not detected at concentrations exceeding NYSDEC Class GA criteria in any of the monitoring wells with the exception of B-2R, B-3, MW-5, MW-7, MW-9, MW-10, MW-11, MW-12, and OFF33. An increasing trend in arsenic concentrations was observed in MW-8. Graphs of arsenic trends from all wells are included in **Appendix B**.

Chromium was not detected at concentrations exceeding NYSDEC Class GA criteria in any of the monitoring wells with the exception of B-3, MW-10, and OFF35. Graphs of chromium trends from all wells are included in **Appendix B**.

4.1.3 Monitoring Deficiencies

Groundwater monitoring was not performed in 2018 or 2022 as required by the biannual schedule in the SMP.

4.1.4 Conclusions and Recommendations

The monitoring of groundwater at the Site was completed in compliance with the monitoring plan outlined in the SMP, with the exception of years 2018 and 2022 in which no groundwater monitoring was completed.

COC concentrations generally remained consistent throughout the monitoring period and were generally consistent with concentrations prior to the monitoring period, with the exception of arsenic concentrations in MW-8 where an increasing trend in arsenic concentrations has been observed and in MW-10 where an increasing trend in xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene,

and naphthalene were observed. Monitoring of several COCs was discontinued with the approval of the NYSDEC during the monitoring event based on observed concentrations consistently below NYSDEC Class GA criteria.

The RAOs for groundwater are being met in that the prevention of ingestion of groundwater containing COCs at concentrations exceeding drinking water standards continue to be employed at the Site. The Site cover system and restrictions on disturbance of the subsurface prevent the further release of COCs into groundwater.

A groundwater monitoring event was completed following the conclusion of this monitoring period in December 2023. The results will be documented in the August 2023 – August 2024 PRR. Groundwater monitoring will return to a biannual schedule with the next event, planned for 2025. No changes to the monitoring plan are recommended at this time.

4.2 Site Cover Inspections

4.2.1 Monitoring Plan as Outlined in the SMP

Annual inspections of the Site cover system are required by Section 6.10 of the SMP. The SMP requires the cover system be evaluated for sloughing, cracks, settlement, erosion, distressed vegetation, and that the Site be evaluated for any changes that may impact the effectiveness of the remedy. The Site owner is to be notified of any necessary repairs or deficiencies needed based on the inspection.

4.2.2 Monitoring Completed

Inspections of the Site cover system were completed annually in accordance with the SMP during the 2010-2023 monitoring period, with the exception of the years 2015, 2017, 2019, 2021, 2022, and 2023. Detailed results of the completed Site inspections, including photographic logs were submitted to NYSDEC under separate cover.

During the monitoring period, no changes to the Site use, major breaches of the Site cover, or major excavation projects were completed, with the exception of repairs to the creek retaining wall. Collapse of the creek retaining walls were observed in five separate locations during the monitoring period. In 2010 an approximately 40-ft long section of the western retaining wall was observed to be collapsed. The section was repaired in 2012 only to collapse again in 2013. By 2016 the section of wall was repaired and remains in-tact as of the completion of the monitoring period. During the 2018 Site cover inspection, two separate sections of the creek wall, on the northeast and northwestern sides of the creek and approximately 20 ft in length each, were observed to have collapsed. Repairs to the two sections were completed in 2019 and are documented in a Creek Wall Close-Out Report prepared by C.T. Male and dated March 2022. Locations of the repaired sections of the creek retaining wall are depicted in **Figure 2**.

In 2023, two additional collapses were identified along the eastern creek wall, approximately 20-30 ft in length. One of the sections was adjacent to wall repairs completed in 2019. HRP was retained by the City of Gloversville to provide engineering designs for the wall repairs which were completed in November 2023 and are documented in the CAP dated March 5, 2023 and submitted to the

NYSDEC under separate cover. The sections of creek wall which remained in disrepair by the end of the PRR monitoring period are depicted on **Figure 2**.

In addition to failures of the creek retaining walls, damage to the Site cover related to animal burrows have consistently been observed throughout the monitoring period. The animal burrows did not fully penetrate the Site cover into subsurface soil below the demarcation layer and the burrows were often not addressed with repairs. Holes in the Site cover, which may be attributed to burrowing animals, were again observed in the Site inspections completed by HRP following the completion of the monitoring period.

The CAP dated March 5, 2024 and submitted to the NYSDEC under separate cover, includes photos from Site cover inspections completed by HRP in November and December 2023 and a schedule for corrective actions to address Site cover deficiencies identified during those inspections.

4.3 Monitoring Deficiencies

Annual inspections were not completed for the years 2015, 2017, 2019, 2021, 2022, and 2023.

4.4 Conclusions and Recommendations

In November 2023, following this reporting period, creek wall repairs were completed and are documented in a CAP dated March 5, 2024, submitted to the NYSDEC under separate cover. Site inspections were completed in November and December 2023 which identified deficiencies with the Site cover system which will be addressed in Spring 2024 in accordance with the CAP. The next Site inspection will be performed in 2024 following completion of corrective actions, to return to the annual inspection schedule required by the SMP. No changes to the Site inspection schedule are recommended at this time.

5.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS & PROTECTIVENESS

The RAOs for this Site, as identified in Section 6 of the 2004 Record of Decision (ROD), are as follows:

- Eliminate or reduce to the extent practicable, exposures of persons at or around the Site to VOCs, SVOCs, and numerous metals (especially chromium and arsenic) in surface soils, subsurface soils, and groundwater at the Site.
- Eliminate or reduce to the extent practicable, the further release and migration of petroleum contaminants (VOCs and SVOCs) from soil into groundwater that may create exceedances of groundwater quality standards.
- Eliminate or reduce to the extent practicable, the release of VOCs, SVOCs, and metal contaminants (especially chromium and arsenic) from surface soil and subsurface soils into the groundwater and the Cayadutta Creek through storm water erosion, infiltration, and/or wind borne dust.

Below is a summary of the effectiveness of the remedy in the achieving the above RAOs:

- Eliminate or reduce to the extent practicable, exposures of persons at or around the Site to VOCs, SVOCs, and numerous metals (especially chromium and arsenic) in surface soils, subsurface soils, and groundwater at the Site.
 - Surface and Subsurface Soils: Implementation and maintenance of a Site cover has prevented exposure of persons at or around the Site to COCs. Additional ICs such as restrictions on Site use have reduced potential exposure of persons at or around the Site to soil contact. As of the end of the monitoring period the creek wall had collapsed in two locations and other minor deficiencies related to the Site cover were present allowing for potential exposure to subsurface soils. This is addressed in the CAP dated March 5, 2024, submitted under separate cover to the NYSDEC.
 - Groundwater: Implementation of the groundwater use restriction IC has prevented exposure to contaminated groundwater to persons at or around the Site.
- Eliminate or reduce to the extent practicable, the further release and migration of petroleum contaminants (VOCs and SVOCs) from soil into groundwater that may create exceedances of groundwater quality standards.
 - Surface and Subsurface Soils: Excavation and off-site disposal of petroleum-impacted soils during remedial activities has addressed potential release and migration of petroleum contaminants from soil to groundwater. Implementation and maintenance of a Site cover system, and implementation of ICs have limited disturbance of surface and subsurface soils to the extent practicable.
 - Groundwater: Continued monitoring has indicated that further release and migration of COCs has not occurred.

- Eliminate or reduce to the extent practicable, the release of VOCs, SVOCs, and metal contaminants (especially chromium and arsenic) from surface soil and subsurface soils into the groundwater and the Cayadutta Creek through storm water erosion, infiltration, and/or wind borne dust.
 - Surface and Subsurface Soils: Excavation and off-site disposal of impacted soils during remedial activities has addressed potential release and migration of contaminants from surface and subsurface soil to groundwater and Cayadutta Creek to the extent practicable. Implementation and maintenance of a Site cover system, and implementation of ICs have prevented disturbance of surface and subsurface soils to the extent practicable. As of the end of the monitoring period the creek wall had collapsed in two locations allowing for potential release of subsurface contamination to Cayadutta Creek. This is addressed in the CAP dated March 5, 2024, submitted under separate cover to the NYSDEC.
 - Groundwater: Continued monitoring has indicated that further release and migration of COCs has not occurred.

6.0 **CONCLUSIONS AND RECOMMENDATIONS**

The periodic review process is used for determining if a remedy continues to be properly managed, and if the remedy continues to be protective of human health and the environment.

6.1 **Conclusions**

The following conclusions discuss the effectiveness of the applicable Site remedial goals derived from the SMP and ROD for the Site and DER-10.

Compliance with the SMP:

1. Site monitoring was not completed on the schedule required by the SMP. Specifically, biannual groundwater monitoring was not completed in 2018 and 2022 and annual Site cover inspections were not completed for the years 2015, 2017, 2019, 2021, 2022, and 2023 as required by the SMP. As a result, ICs cannot be certified as in compliance with the SMP. All other ICs are being enforced in accordance with the SMP and Environmental Easement.
2. Two sections of creek retaining wall were collapsed and were not repaired by the end of the monitoring period (August 1, 2023) and sufficient photo documentation of the cover system was not available. The collapsed sections of the wall are depicted on **Figure 2**. As a result, the Site cover system EC cannot be certified as in compliance with the SMP.

A completed certification form stating a CAP must be submitted is included as **Appendix A**.

Performance and Effectiveness of the Remedy:

Surface and Subsurface Soils:

Implementation and maintenance of a Site cover has prevented exposure of persons at or around the Site to COCs. Additional ICs such as restrictions on Site use have reduced potential exposure of persons at or around the Site to soil contact. Excavation and off-site disposal of impacted soils during remedial activities has addressed potential release and migration of contaminants from surface and subsurface soil to groundwater and Cayadutta Creek to the extent practicable. Implementation and maintenance of a Site cover system, and implementation of ICs have prevented disturbance of surface and subsurface soils to the extent practicable.

As of the end of the monitoring period the creek wall had collapsed in two locations and other minor deficiencies related to the Site cover were present allowing for potential exposure to subsurface soils and potential erosion of soils into Cayadutta Creek. This is addressed in the CAP dated March 5, 2024, submitted under separate cover to the NYSDEC.

Groundwater:

Implementation of the groundwater use restriction IC has prevented exposure to contaminated groundwater to persons at or around the Site. Continued monitoring has indicated that further release and migration of COCs has not occurred.

6.2 Recommendations

In November 2023, following this reporting period, creek wall repairs were completed and are documented in a CAP dated March 5, 2024, submitted to the NYSDEC under separate cover. Site inspections were completed in November and December 2023 which identified deficiencies with the Site cover system which will be addressed in Spring 2024 in accordance with the CAP. The next Site inspection will be performed in 2024 following completion of corrective actions, to return to the annual inspection schedule required by the SMP. No changes to the Site inspection schedule are recommended at this time.

Groundwater sampling was completed in December 2023 and will be documented in the August 2023 – August 2024 PRR. The next groundwater sampling event will be performed in 2025 to return to the biannual sampling schedule required by the SMP, with subsequent revisions approved by the NYSDEC. No changes to the groundwater monitoring plan are recommended at this time.

FIGURES

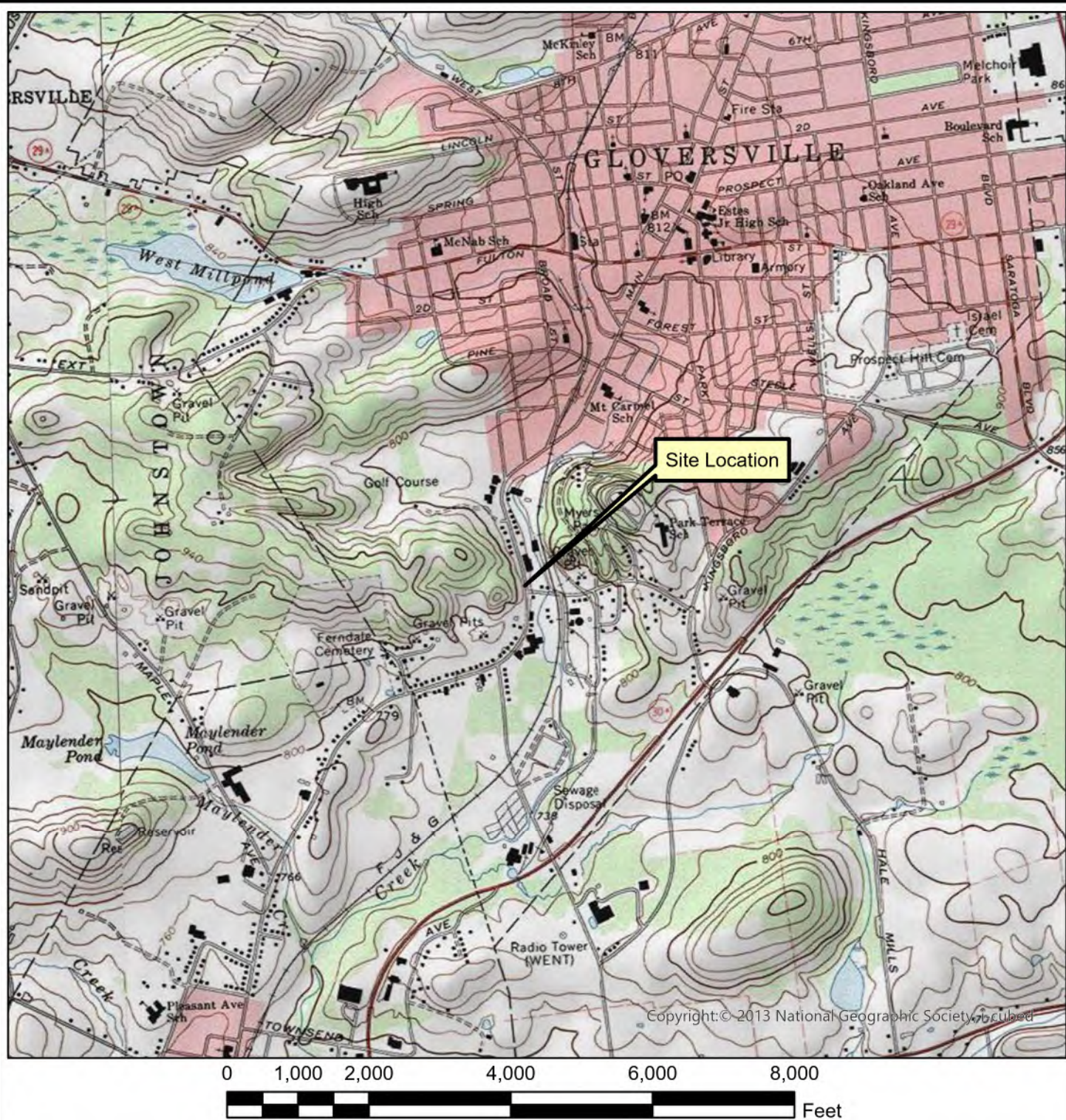
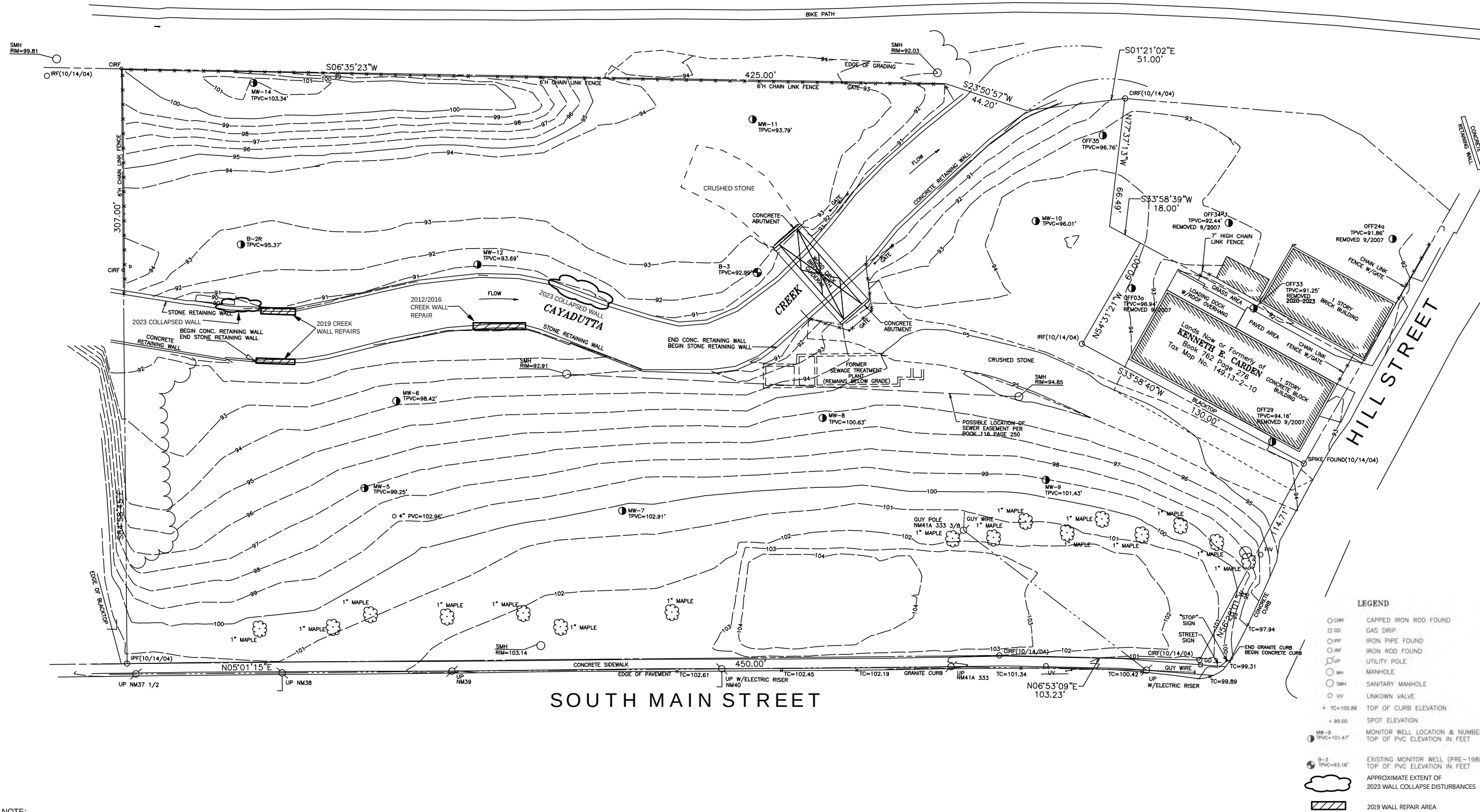


Figure 1
Site Location
Former Independent Leather
321-333 South Main Street
Gloversville, New York
HRP # GLO8016.GW
Scale 1" = 2,000'

USGS Quadrangle Information
 Quad ID: N4300 W7415/7.5
 Name: Gloversville, New York
 Date Rev: 1970
 Date Pub: 2023

HRP
 MOVE YOUR ENVIRONMENT FORWARD
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NOTE:
1) LOCATIONS AND FEATURED DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY
2) MAP REFERENCE: TOPOGRAPHIC SURVEY, 321 SOUTH MAIN STREET, CITY OF GLOVERSVILLE, COUNTY OF FULTON, NY, DATED AUGUST 25, 2006, DWG NO. 06-0631, PREPARED BY C.T. MALE ASSOCIATES, P.C.

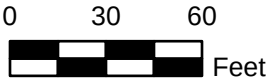
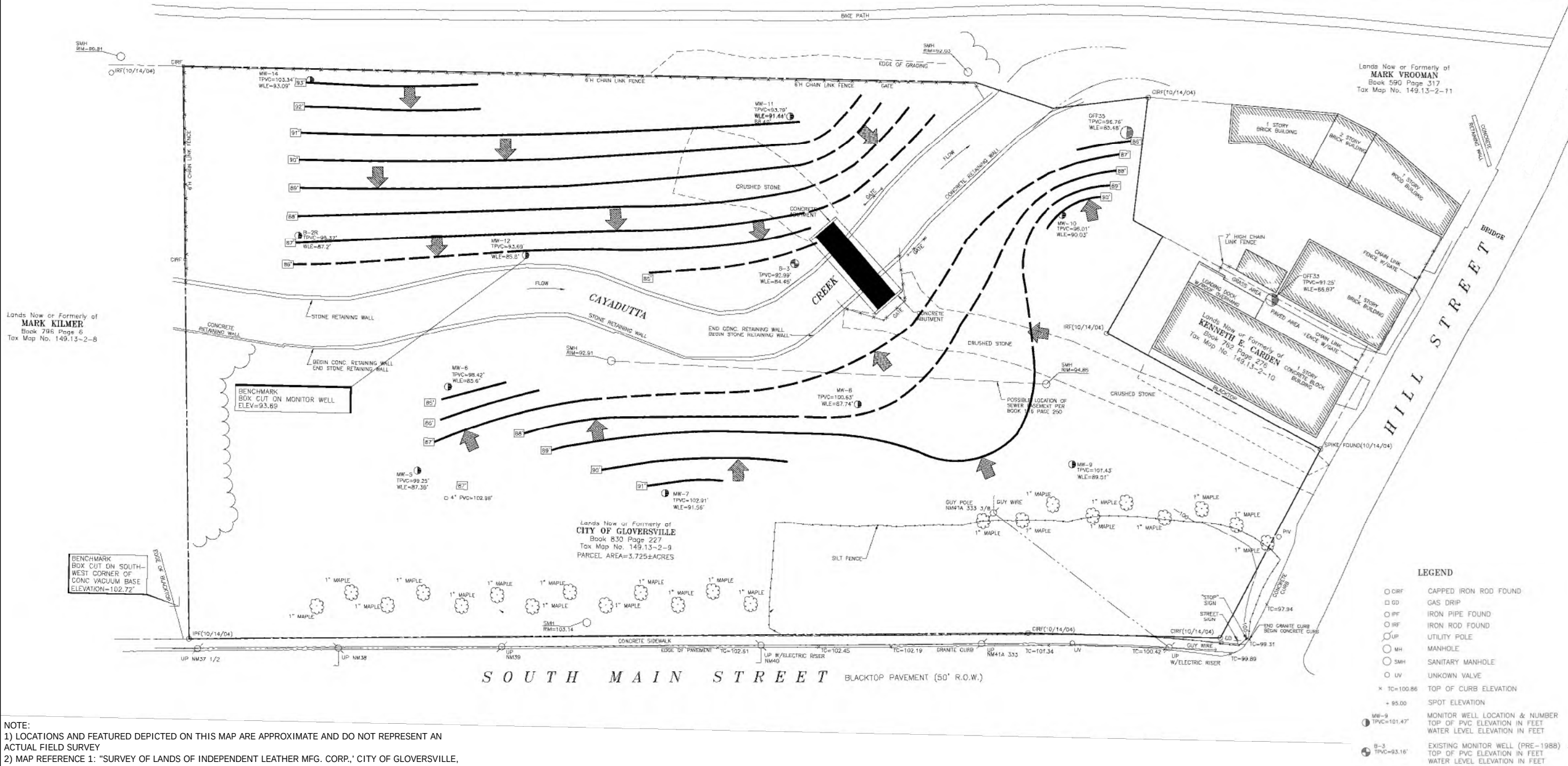
Issue Date: 3/1/2024	Designed By: EWJ	Revisions	
		No.	Date
Project No: GLO8016.GW	Drawn By: EWJ		
Sheet Size: 11x17	Reviewed By: PWM		

Site Plan
(August 2023)

Former Independent
Leather Tannery

3321-333 South Main Street
Gloversville, New York

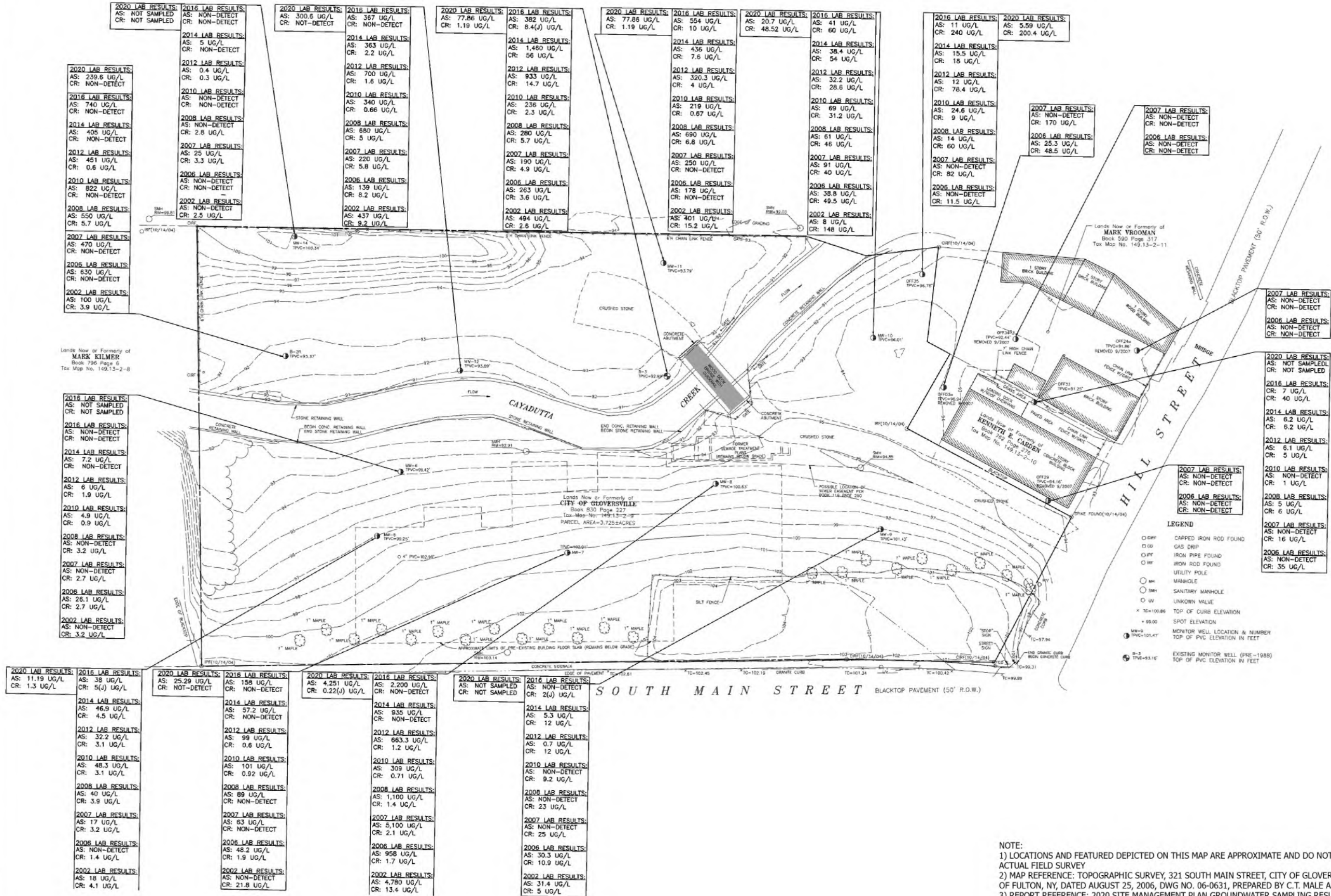
Figure No.
2



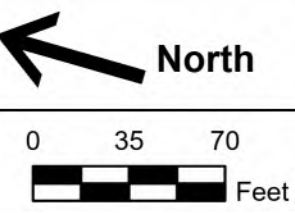
Revisions	No.	Date
Designed By:	EWJ	
Drawn By:	EWJ	
Issue Date:	3/1/2024	
Project No:	GLO8016.GW	
Reviewed By:	PWM	
Sheet Size:	11x17	

Groundwater Contour Map
(C.T. Male; April 30, 2020)

Former Independent
Leather Tannery
321-333 South Main Street
Gloverville, New York



NOTE:
1) LOCATIONS AND FEATURED DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY
2) MAP REFERENCE: TOPOGRAPHIC SURVEY, 321 SOUTH MAIN STREET, CITY OF GLOVERSVILLE, COUNTY OF FULTON, NY, DATED AUGUST 25, 2006, DWG NO. 06-0631, PREPARED BY C.T. MALE ASSOCIATES, P.C.
3) REPORT REFERENCE: 2020 SITE MANAGEMENT PLAN GROUNDWATER SAMPLING RESULTS, FORMER INDEPENDENT LEATHER TANNERY SITE (#B-00158), CITY OF GLOVERSVILLE, FULTON COUNTY, C.T. MALE PROJECT NO. 10.1125



Revisions	No. Date	
	No.	Date
Designed By:	EWJ	
	EWJ	
	GLO8016.GW	
	PWM	
Issue Date:	3/1/2024	
	GLO8016.GW	
	11x17	
	11x17	

Groundwater Results
Arsenic and Chromium
(C.T. Male, 2020)
Former Independent
Leather Tannery
321-333 South Main Street
Gloversville, New York

APPENDIX A

IC/EC Certifications



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **B00158**

Site Name **Independent Leather Tannery**

Site Address: 321-333 South Main Street Zip Code: 12078-
City/Town: Gloversville (C)
County: Fulton
Site Acreage: 3.725

Reporting Period: January 14, 2010 to August 01, 2023

YES NO

1. Is the information above correct?

☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial

☒ ☐

7. Are all ICs in place and functioning as designed?

☐ ☒

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.



Signature of Owner, Remedial Party or Designated Representative

3/2/2024

Date

Description of Institutional ControlsParcelOwnerInstitutional Control

149.13.2.9

City of Gloversville

Ground Water Use Restriction
Soil Management PlanLanduse Restriction
Monitoring Plan
Site Management Plan

Limit the use and development of the property to commercial or industrial uses only; restrict the use of groundwater as a source of potable or process water without necessary water quality treatment as determined by the NYSDOH; and require the property owner to complete and submit to the NYSDEC an annual certification. A long term monitoring program will evaluate residual contamination left on site.

Description of Engineering ControlsParcelEngineering Control

149.13.2.9

Cover System

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☐ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

- (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☐ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

**IC CERTIFICATIONS
SITE NO. B00158**

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____ (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Professional Engineer for the _____
(Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification

Stamp
(Required for PE)

Date

APPENDIX B

Tables and Graphs of Groundwater Results

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID Date Sampled	NYSDEC Class GA Criteria	B-2	B-2R								B-3								
		May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Sep-16	Apr-20	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Sep-16	Apr-20
VOC by EPA Method 8260, (ug/L)																			
Acetone	50	6 J B	ND	ND	NS	NS	NS	NS	NS	NS	8 J M	ND	ND	NS	NS	NS	NS	NS	NS
Benzene	1.0	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
2-Butanone (MEK)	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Carbon disulfide	60	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Chlorobenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Ethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Methylene chloride	5	0.7 J	ND	ND	NS	NS	NS	NS	NS	NS	0.8 J	ND	ND	NS	NS	NS	NS	NS	NS
Toluene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Vinyl chloride	2	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Xylenes (total)	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
tert-Butylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
n-Propylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Isopropylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
1,4-Diethylbenzene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
4-Ethyltoluene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
SVOC by EPA Method 8270, (ug/L)																			
Acenaphthene	20	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Anthracene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Carbazole	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Chrysene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Diethyl phthalate	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Fluoranthene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.6 J	ND	ND	NS	NS	NS	NS	NS	NS
Fluorene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Naphthalene	10	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Phenanthrene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.4 J	ND	ND	NS	NS	NS	NS	NS	NS
Phenol	1.0	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Pyrene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	1 J	ND	ND	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
4-Methylphenol	1	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Pesticides by EPA Method 8081, (ug/L)																			
Aldrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
alpha-BHC	0.01	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
beta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	0.05	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
delta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	0.2	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Endrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Heptachlor	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	0.03	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																			
Arsenic	25	100	630	470	550	822	451	405	740	239.6	494	263	190	280	236	933	1,460	382	77.86
Chromium	50	3.9 B	ND	ND	5.7	ND	0.6 J	10 U	ND	ND	2.6 B	3.6 B	4.9 J	5.7 J	2.3 J	14.7	56	8.4 J	1.19
Iron	300	2,430	727	960	1,190	1,700	1,410	1,500	1,800	475	1,090	4,480	4,000	4,900	2,640	13,300	29,000	5,200	341
Magnesium	35,000	7,740	19,300	19,200	13,600	14,200	10,200	13,000	14,000	10,000	8,780	15,200	14,300	15,300	14,100	10,400	14,000	14,000	10,000
Manganese	300	44.7	167	NS	184	200	149.7	109	160	38.21	160	258	NS	66	93	102	80.8	94	22.79
Sodium	20,000	6,600	50,600	36,900	18,600	27,500	15,500	11,000	14,000	3,440	98,000	11,100	8,300	7,500	8,390	10,200	7,400	9,900	3,780

Legend

<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion
1	Parameter reported at a concentration greater than NYSDEC Class GA Criteria

Notes:

ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated
NA = Not Applicable; NS = Not Sampled; ND = Not Detected
J = estimated concentration; N = spiked sample recovery outside of control limits; DL = laboratory dilution applied
H = alternate peak selection upon analytical review; M = manually integrated compound
B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC Class GA Criteria	MW-5									MW-6								
		May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	Apr-20
VOC by EPA Method 8260, (ug/L)																			
Acetone	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzene	1.0	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2-Butanone (MEK)	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	60	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Toluene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	2	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
tert-Butylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,4-Diethylbenzene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Ethyltoluene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
SVOC by EPA Method 8270, (ug/L)																			
Acenaphthene	20	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Anthracene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	5	ND	4 J	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Carbazole	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Chrysene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Fluorene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Naphthalene	10	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Phenol	1.0	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pyrene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	1	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pesticides by EPA Method 8081, (ug/L)																			
Aldrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	0.016 J	ND	ND	ND	ND	ND	ND	NS
alpha-BHC	0.01	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
beta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	0 J	ND	ND	ND	ND	ND	ND	NS
gamma-BHC (Lindane)	0.05	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
delta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	0.0023 J	ND	ND	ND	ND	ND	ND	NS
gamma-Chlordane	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	0.023 J	ND	ND	ND	ND	ND	ND	NS
4,4'-DDE	0.2	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
Endosulfan I	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	0.0069 J	ND	ND	ND	ND	ND	ND	NS
Endrin aldehyde	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
Endrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
Heptachlor	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
Heptachlor epoxide	0.03	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																			
Arsenic	25	18 B	ND	17 J	40	48.3	32.2	46.9	38	11.19	ND	26.1 B	ND	ND	4.9 J	6	7.2	ND	NS
Chromium	50	4.1 B	1.4 B	3.2 J	3.9 J	3.1 J	3.1	4.5 J	5 J	1.3	3.2 B	2.7 B	2.7 J	3.2 J	0.9 J	1.9	ND	ND	NS
Iron	300	1,210	1,160	3,300	3,800	2,720	3,060	5,500	3,300	2,450	806	2,570	3,000	4,900	1,180	8,800	1,400	2,300	NS
Magnesium	35,000	8,170	12,400	14,700	15,300	15,400	10,400	22,000	12,000	12,100	4170	19,300	10,800	13,700	13,800	9,860	14,000	13,000	NS
Manganese	300	343	89.9	NS	510	410	381	561	315	290.1	33.8	522	NS	180	215	229.9	154	239	NS
Sodium	20,000	76,200	38,600	76,500	72,400	106,000	139,000	140,000	150,000	247,000	52,000	97,800	28,000	63,300	75,200	90,300	96,000	84,000	NS

Legend

<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion
1	Parameter reported at a concentration greater than NYSDEC Class GA Criteria

Notes:

ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated

NA = Not Applicable; NS = Not Sampled; ND = Not Detected

J = estimated concentration; N = spiked sample recovery outside of control limits; DL = laboratory dilution applied

H = alternate peak selection upon analytical review; M = manually integrated compound

B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC Class GA Criteria	MW-10									MW-11								
		May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	Apr-20
VOC by EPA Method 8260, (ug/L)																			
Acetone	50	8 J	ND	ND	11	11 B	19 B	22 J	16 J	ND	11	ND	ND	NS	NS	NS	NS	NS	NS
Benzene	1.0	2 J M	1.3 J	1 J	0.78 J	1 J	0.36 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
2-Butanone (MEK)	50	ND	ND	ND	1.9 J	3.5 J	3.8 J	20 J	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Chlorobenzene	5	5	3.1 J H	2.1 J	2.7 J	4.6 J	1.7 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Ethylbenzene	5	10	2.7 J	1.8 J	ND	1.6 J	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8 J	ND	ND	NS	NS	NS	NS	NS	NS
Toluene	5	0.8 J	0.5 J	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8 J	ND	ND	NS	NS	NS	NS	NS	NS
Xylenes (total)	5	75	4 J	3 J	ND	16	2 J	23 J	22 J	37	ND	ND	ND	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	5	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
n-Propylbenzene	5	ND	ND	ND	ND	ND	2 J	ND	ND	8.7 J	ND	ND	ND	NS	NS	NS	NS	NS	NS
Isopropylbenzene	5	ND	ND	ND	ND	4 J	1 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	15	89	93	110	ND	ND	ND	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	2 J	22 J	26	32	ND	ND	ND	NS	NS	NS	NS	NS	NS
1,4-Diethylbenzene	NP	ND	ND	ND	ND	ND	2 J	13 J	10 J	13	ND	ND	ND	NS	NS	NS	NS	NS	NS
4-Ethyltoluene	NP	ND	ND	ND	ND	ND	3	17 J	16 J	22 J	ND	ND	ND	NS	NS	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	NP	ND	ND	ND	ND	ND	3	7 J	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
SVOC by EPA Method 8270, (ug/L)																			
Acenaphthene	20	ND	ND	ND	ND	ND	ND	0.09 J	0.2	0.37	ND	ND	ND	NS	NS	NS	NS	NS	NS
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NP	ND	ND	ND	ND	ND	ND	ND	ND	0.06 J	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Bis(2-ethylhexyl)phtalate	5	ND	ND	ND	ND	ND	ND	ND	0.95 J	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Carbazole	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Diethyl phtalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Di-n-butyl phtalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	0.08 J	0.13	ND	ND	ND	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Naphthalene	10	1,000	690	450 J	160	360	190	310	680	850	1 J	ND	ND	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	0.05 J	ND	ND	ND	NS	NS	NS	NS	NS	NS
Phenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	NP	8 J	ND	ND	ND	ND	ND	ND	1.6	0.65	ND	ND	ND	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
4-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS
Pesticides by EPA Method 8081, (ug/L)																			
Aldrin	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
alpha-BHC	0.01	ND	0.13	0.043 NJ	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
beta-BHC	0.04	ND	0.024 J	ND	ND	0.017 J	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	0.05	ND	0.0091 J	0.068 NJ	0.01 J	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
delta-BHC	0.04	ND	0.0028 J	0.0094 NJ	0.013 J	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	NP	ND	ND	0.3 NJ	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	0.2	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	5	0.069 J	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Endrin	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Heptachlor	0.04	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	0.03	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																			
Arsenic	25	8 B	38.8 B	91	61	69	32.2	38.4	41	20.7	401	178	250	690	219	320.3	436	554	180.7
Chromium	50	148	49.5	40	46	31.2	28.6	54	60	48.52	15.2	ND	ND	6.8 J	0.67 J	4	7.6 J	10	0.34 J
Iron	300	3,040	12,200	6,200	4,700	4,890	16,800	7,400	18,000	11,000	3,510	7,820	10,100	21,300	7,650	9,660	15,000	14,000	7,930
Magnesium	35,000	72,800	77,000	81,600	41,100	46,700	19,300	35,000	36,000	25,000	8,740	10,700	8,600	11,000	10,500	9,880	9,600	11,000	9,350
Manganese	300	327	286	NS	150	209	163.2	333	230	321.3	345	224	NS	1,400	532	369	238	284	133.6
Sodium	20,000	253,000	98,800	62,100	40,500	42,000	30,800	29,000	29,000	17,100	14,400	8,880	10,600	14,200	10,500	15,000	9,700	11,000	9,890

Legend

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Notes:

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B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC Class GA Criteria	MW-12									MW-14								
		May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Sep-16	Apr-20	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Sep-16	Apr-20
VOC by EPA Method 8260, (ug/L)																			
Acetone	50	7 J	ND	ND	NS	NS	NS	NS	NS	NS	5 J	ND	NS	NS	NS	NS	NS	NS	NS
Benzene	1.0	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2-Butanone (MEK)	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	60	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.5 J	ND	NS	NS	NS	NS	NS	NS	NS
Toluene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	2	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
tert-Butylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,4-Diethylbenzene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Ethyltoluene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
SVOC by EPA Method 8270, (ug/L)																			
Acenaphthene	20	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Anthracene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Carbazole	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Chrysene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Fluorene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Naphthalene	10	11	4 J	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Phenol	1.0	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pyrene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	NP	0.5 J	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	1	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pesticides by EPA Method 8081, (ug/L)																			
Aldrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
alpha-BHC	0.01	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
beta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	0.05	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
delta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	0.2	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Endrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Heptachlor	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	0.03	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																			
Arsenic	25	437	139	220	680	340	700	363	367	300.6	ND	ND	25	ND	ND	0.4 J	5	ND	NS
Chromium	50	9.2 B	8.2 B	5.8 J	5 J	0.66 J	1.6	2.2 J	ND	ND	2.5 B	ND	3.3 J	2.8 J	ND	0.3 J	ND	ND	NS
Iron	300	9,500	994	1,600	4,900	468	2,990	1,700	960	3,200	332	193 B	930	340	33.5	30 J	ND	350	NS
Magnesium	35,000	14,400	33,800	16,000	19,600	24,300	15,500	18,000	24,000	21,600	9,450	8,210	8,000	7,000	8,140	7,490	8,900	9,000	NS
Manganese	300	504	365	NS	120	186	192.6	143	157	213.8	206	367	NS	1,200	223	439.2	235	1,700	NS
Sodium	20,000	88,400	182,000	79,600	47,000	27,300	30,200	25,000	29,000	13,800	8,870	12,200	8,600	1,900	9,420	9,590	8,700	20,000	NS

Legend

<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion
1	Parameter reported at a concentration greater than NYSDEC Class GA Criteria

Notes:

ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated

NA = Not Applicable; NS = Not Sampled; ND = Not Detected

J = estimated concentration; N = spiked sample recovery outside of control limits; DL = laboratory dilution applied

H = alternate peak selection upon analytical review; M = manually integrated compound

B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC Class GA Criteria	OFF33								OFF35							
Date Sampled		Mar-06	Apr-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20	Mar-06	Apr-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20
VOC by EPA Method 8260, (ug/L)																	
Acetone	50	ND	ND	1.5 J	1.5 J	7.5	ND	2 J	ND	ND	ND	1.1 J	1.1 J	ND	ND	ND	17
Benzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	1.7 J	ND	1.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Diethylbenzene	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC by EPA Method 8270, (ug/L)																	
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Anthracene	50	ND	0.65 J	ND	ND	0.07 J	ND	ND	0.02 J	ND	ND	ND	ND	ND	ND	ND	NS
Benzo(a)anthracene	0.002	ND	1.9 J	ND	ND	0.24	0.1 J	0.08 J	0.06 J	ND	ND	ND	ND	ND	ND	ND	NS
Benzo(a)pyrene	NP	ND	1.5 J	ND	ND	0.34	0.14 J	0.06 J	0.06 J	ND	ND	ND	ND	ND	ND	ND	NS
Benzo(b)fluoranthene	0.002	ND	2 J	ND	ND	0.27	0.13 J	0.12 J	0.08 J	ND	ND	ND	ND	ND	ND	ND	NS
Benzo(g,h,i)perylene	NP	ND	0.85 J	ND	ND	0.19 J	ND	0.07 J	0.05 J	ND	ND	ND	ND	ND	ND	ND	NS
Benzo(k)fluoranthene	0.002	ND	0.96 J	ND	ND	0.22	ND	0.05 J	0.03 J	ND	ND	ND	ND	ND	ND	ND	NS
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Carbazole	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chrysene	0.002	ND	ND	ND	ND	0.19 J	0.09 J	0.07 J	0.05 J	ND	ND	ND	ND	ND	ND	ND	NS
Dibenzo(a,h)anthracene	NP	ND	ND	ND	ND	0.14 J	0.1 J	ND	0.08 J	ND	ND	ND	ND	ND	ND	ND	NS
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Di-n-butyl phthalate	50	ND	ND	ND	ND	1 J	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	NS
Fluoranthene	50	ND	3.5 J	ND	ND	0.42	0.19 J	0.14 J	0.1	ND	ND	ND	ND	ND	ND	ND	NS
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	0.22	0.18 J	0.06 J	0.06 J	ND	ND	ND	ND	ND	ND	ND	NS
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.08 J	NS
Pentachlorophenol	NP	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	NS
Phenanthrene	50	ND	2.4 J	ND	ND	0.17 J	0.08 J	0.07 J	0.06 J	ND	ND	ND	ND	ND	ND	ND	NS
Phenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Pyrene	50	ND	3.2 J	ND	ND	0.38	0.17 J	0.12 J	0.09 J	ND	ND	ND	ND	ND	ND	ND	NS
2,4,5-Trichlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2,4,6-Trichlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Methylnaphthalene	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07 J	NS
4-Chloro-3-methylphenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
4-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Pesticides by EPA Method 8081, (ug/L)																	
Aldrin	NP	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
alpha-BHC	0.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
beta-BHC	0.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
delta-BHC	0.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	NP	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	NP	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin	NP	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	0.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	0.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																	
Arsenic	25	ND	ND	5 J	ND	6.1	6.2	7	NS	ND	ND	14 J	24.6	12	15.5	11	5.59
Chromium	50	35	16	6 J	1 J	5	6.2 J	40	NS	11.5	82	60	9	78.4	18	240	200.4
Iron	300	1,360	ND	2,500	2,340	5,460	1,300	11,000	NS	6,780	8,100	5,500	5,800	6,030	4,300	6,200	1,900
Magnesium	35,000	5,900	11,900	6,900	6,000	7,550	3,100	7,800	NS	21,700	28,900	18,000	18,300	12,000	16,000	16,000	11,900
Manganese	300	263	9.8 J	64	60.2 J	80.1 J	35.2	123	NS	359	1,100	270	223	210.9	197	185	53.8
Sodium	20,000	16,200	40,500	26,600	9,380	27,500	66,000	42,000	NS	19,700	20,500	18,200	19,100	14,700	19,000	22,000	5,900

Legend

<1

Parameter not detcted above the laboratory reporting limit

1

Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

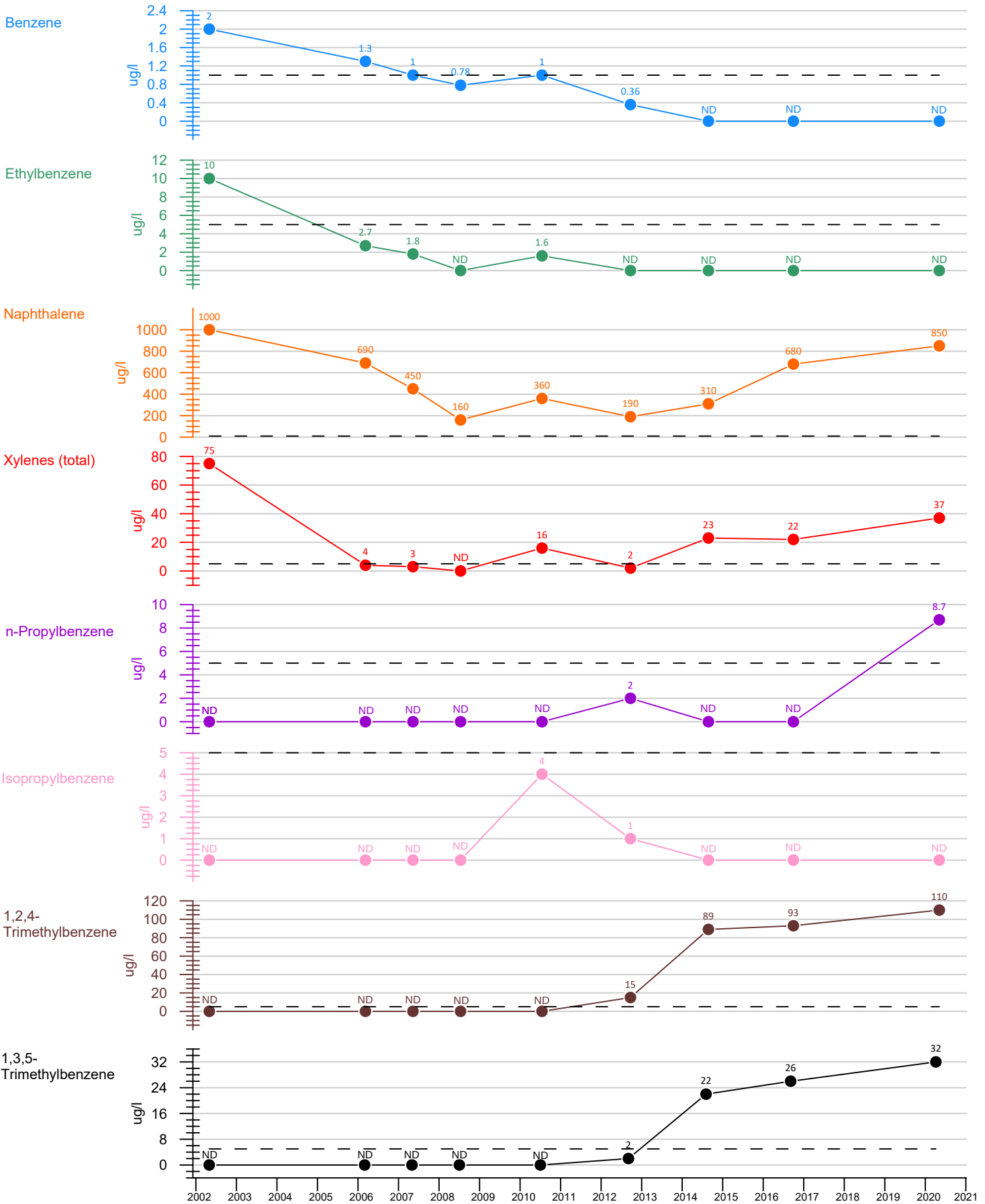
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Parameter reported at a concentration greater than NYSDEC Class GA Criteria

Notes:

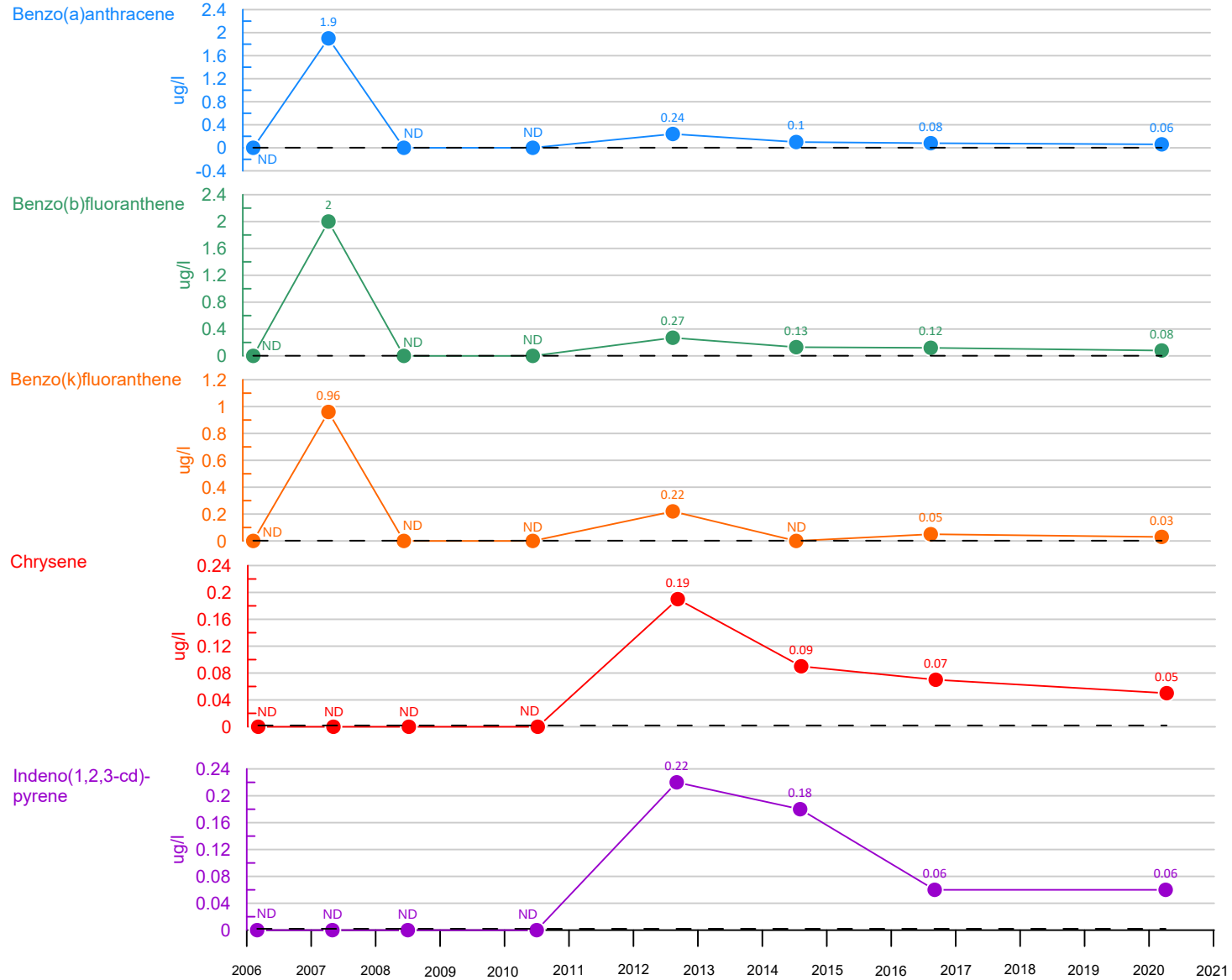
ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated
NA = Not Applicable; NS = Not Sampled; ND = Not Detected
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H = alternate peak selection upon analytical review; M = manually integrated compound
B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Former Independent Leather
Tannery (Site No. B00158)
Groundwater Results 2002-2020
VOCs and SVOCs - MW-10



ND = Non-Detect

Former Independent Leather Tannery Site No. B00158
Groundwater Results 2006-2020
SVOCs - OFF33

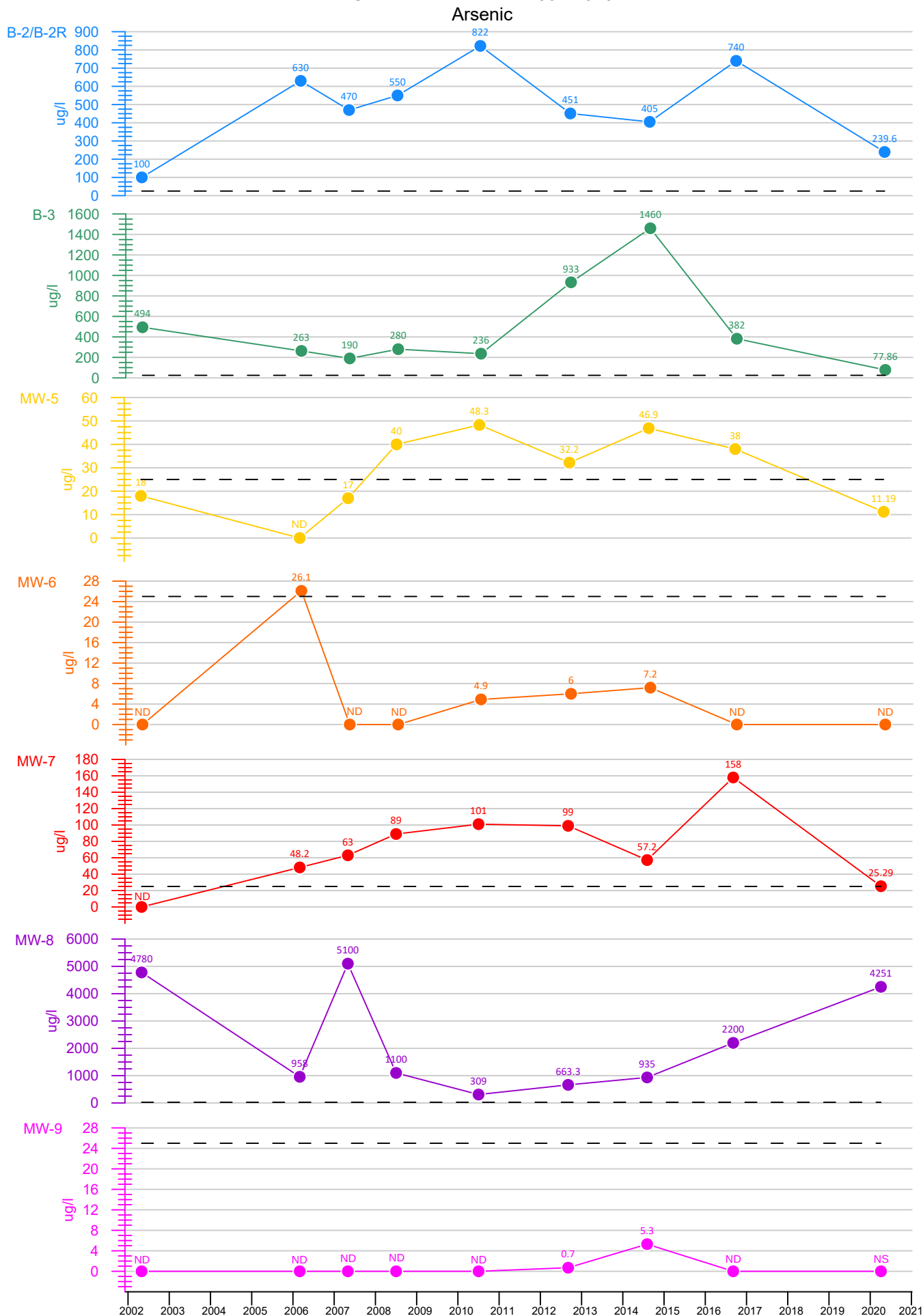


Legend

--- NYSDEC Class GA Criteria

ND = Non-Detect

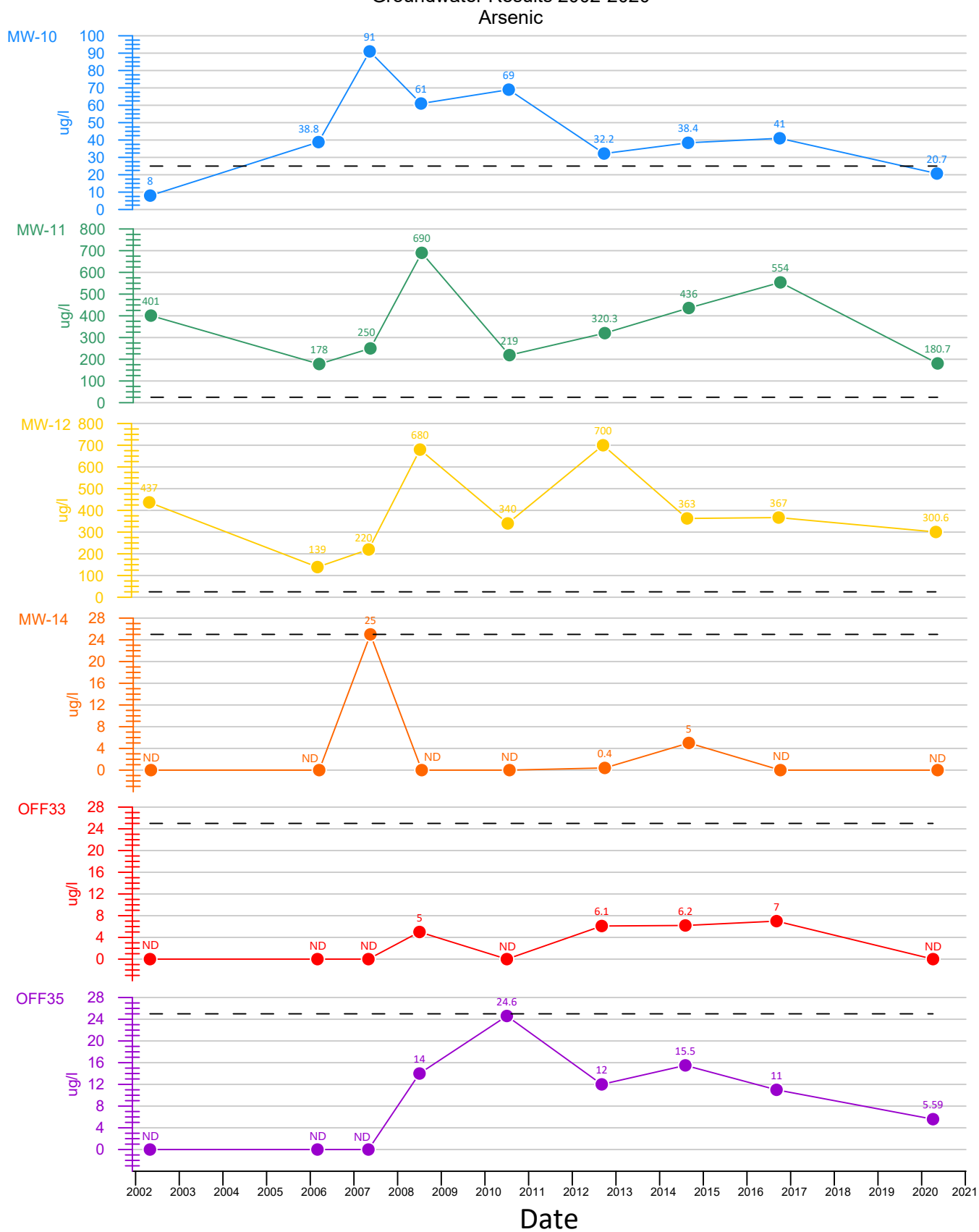
Former Independent Leather Tannery (Site No. B00158) Groundwater Results 2002-2020



Legend

— — NYSDEC Class GA Criteria

ND = Non-Detect
NS = Not Sampled

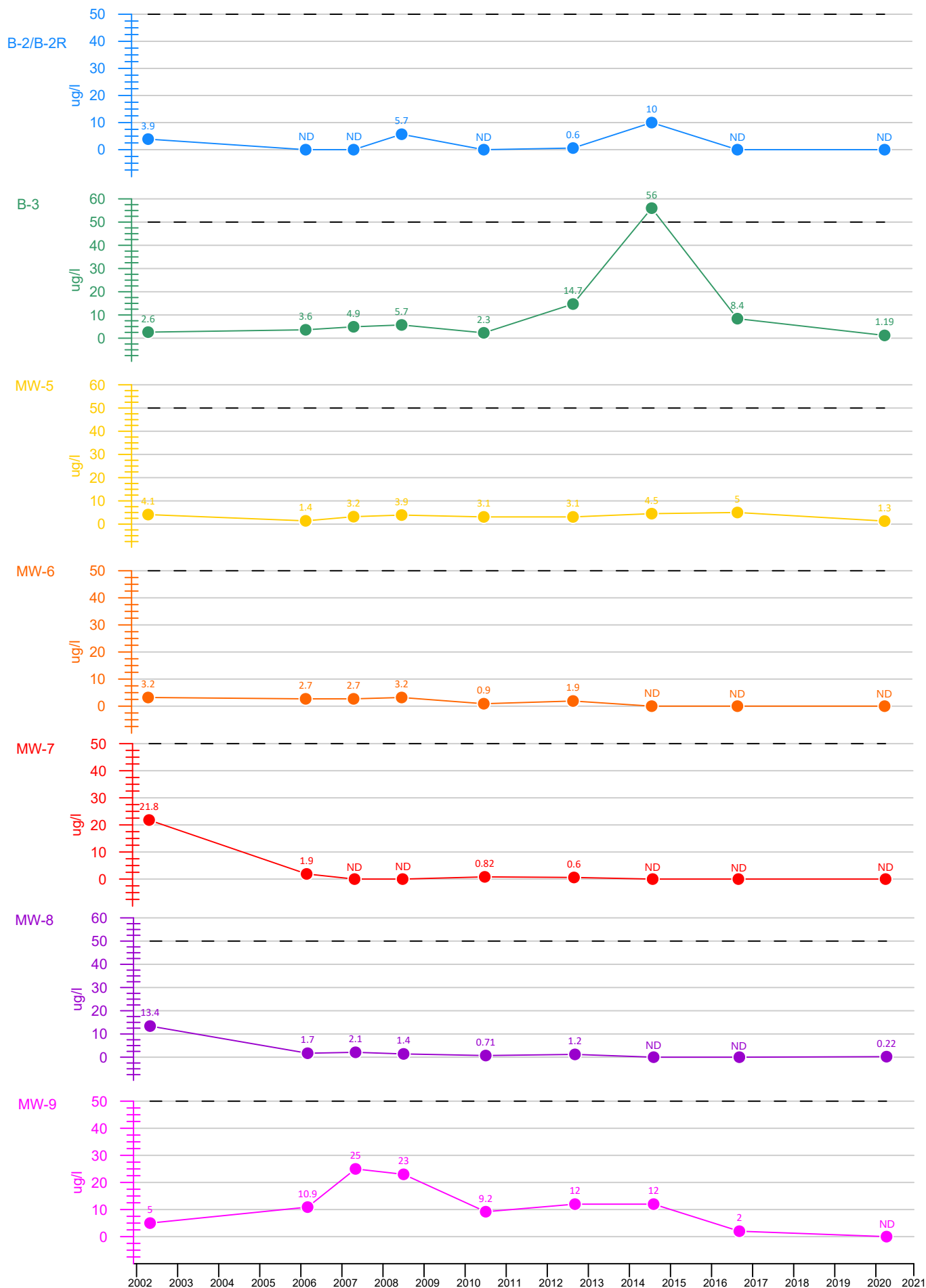


Legend

--- NYSDEC Class GA Criteria

ND = Non Detect

Former Independent Leather Tannery Site No. B00158
Groundwater Results 2002-2020
Chromium



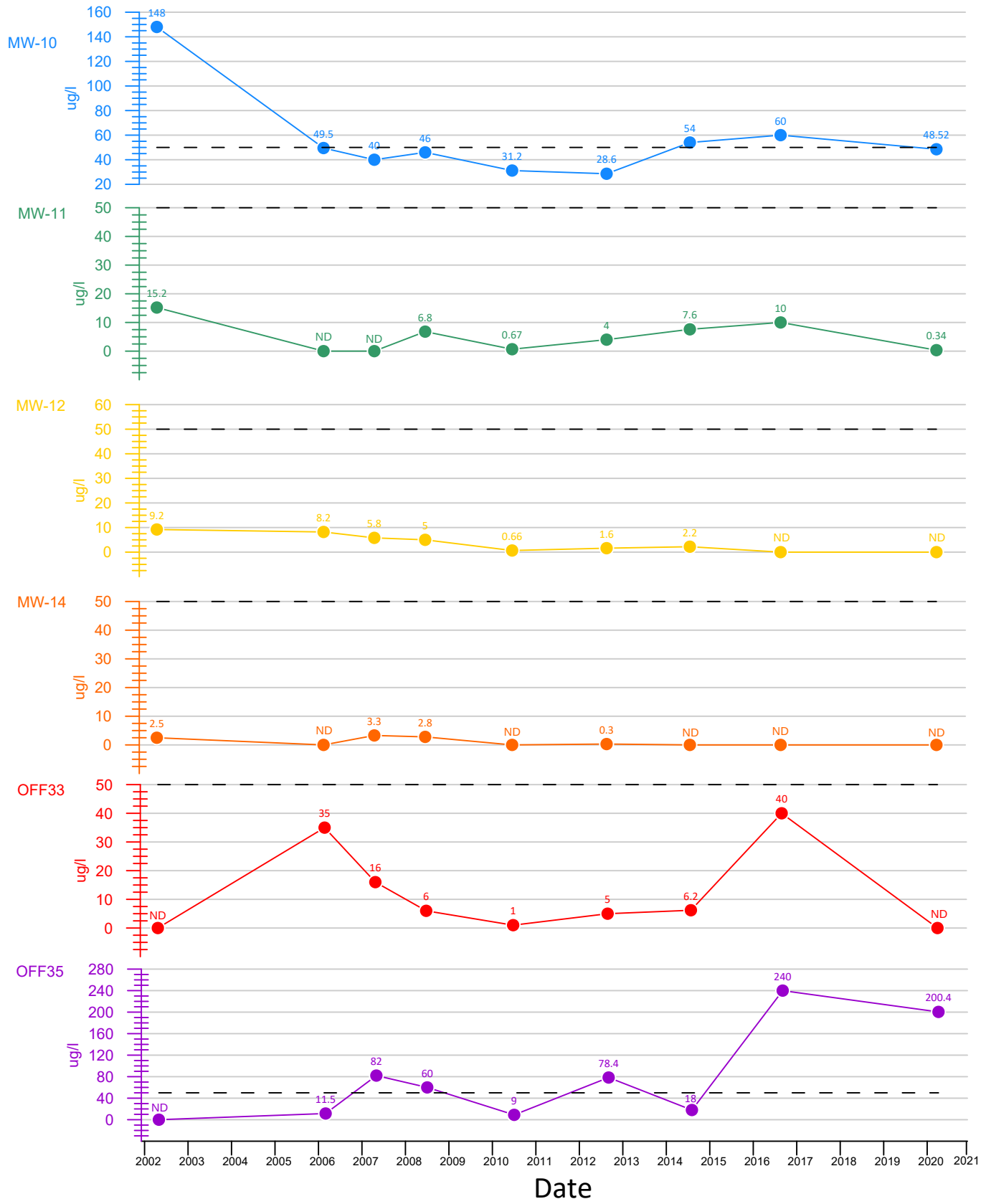
Legend

— — NYSDEC Class GA Criteria

ND = Non-Detect

Date

Former Independent Leather Tannery Site No. B00158
Groundwater Results 2002-2020
Chromium



Legend

- - - NYSDEC Class GA Criteria

ND = Non-Detect